

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101118\  
 Data File : VU027583.D  
 Acq On : 11 Oct 2018 08:45  
 Operator : MD/SY  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/16/2018 2:22:49 PM

Quant Time: Oct 12 09:30:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U101118W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 11 09:56:08 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 4.98  | 168  | 110898   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 5.89  | 114  | 188871   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.09  | 117  | 169420   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 78747    | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |      |        |      |
|-----------------------------|--------|-----|----------|------|--------|------|
| System Monitoring Compounds |        |     |          |      |        |      |
| 33) 1,2-Dichloroethane-d4   | 5.32   | 65  | 9234     | 4.99 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 9.98%  |      |
| 35) Dibromofluoromethane    | 4.89   | 113 | 6614     | 5.11 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 10.22% |      |
| 50) Toluene-d8              | 7.57   | 98  | 23238    | 4.80 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 9.60%  |      |
| 62) 4-Bromofluorobenzene    | 10.31  | 95  | 7629     | 4.24 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =    | 8.48%  |      |

| Target Compounds              |      |     |        |       |        | Qvalue |
|-------------------------------|------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.21 | 85  | 6698   | 4.19  | ug/l   | 100    |
| 3) Chloromethane              | 1.33 | 50  | 9978   | 4.61  | ug/l   | 94     |
| 4) Vinyl Chloride             | 1.40 | 62  | 9220   | 4.53  | ug/l   | 97     |
| 5) Bromomethane               | 1.61 | 94  | 4945   | 5.62  | ug/l   | 94     |
| 6) Chloroethane               | 1.69 | 64  | 6356   | 5.20  | ug/l   | 93     |
| 7) Trichlorofluoromethane     | 1.88 | 101 | 10520  | 5.10  | ug/l   | 100    |
| 8) Diethyl Ether              | 2.11 | 74  | 4900   | 5.15  | ug/l   | 96     |
| 9) 1,1,2-Trichlorotrifluoroet | 2.29 | 101 | 5804   | 4.84  | ug/l   | 96     |
| 10) Methyl Iodide             | 2.41 | 142 | 3862   | 4.42  | ug/l   | 97     |
| 11) Tert butyl alcohol        | 2.83 | 59  | 10216  | 26.20 | ug/l   | 98     |
| 12) 1,1-Dichloroethene        | 2.28 | 96  | 5793   | 4.95  | ug/l   | 96     |
| 13) Acrolein                  | 2.20 | 56  | 7952   | 24.30 | ug/l   | 94     |
| 14) Allyl chloride            | 2.59 | 41  | 13231  | 4.76  | ug/l   | 98     |
| 15) Acrylonitrile             | 2.94 | 53  | 25024  | 24.66 | ug/l   | 99     |
| 16) Acetone                   | 2.32 | 43  | 28874  | 26.39 | ug/l   | 98     |
| 17) Carbon Disulfide          | 2.48 | 76  | 19833  | 4.69  | ug/l   | 99     |
| 18) Methyl Acetate            | 2.62 | 43  | 13340  | 5.35  | ug/l   | 98     |
| 19) Methyl tert-butyl Ether   | 3.00 | 73  | 21455  | 4.57  | ug/l   | 97     |
| 20) Methylene Chloride        | 2.70 | 84  | 7686   | 5.04  | ug/l   | 95     |
| 21) trans-1,2-Dichloroethene  | 2.98 | 96  | 6381   | 4.85  | ug/l   | 99     |
| 22) Diisopropyl ether         | 3.58 | 45  | 26737  | 4.73  | ug/l   | 91     |
| 23) Vinyl Acetate             | 3.53 | 43  | 105562 | 21.38 | ug/l   | 100    |
| 24) 1,1-Dichloroethane        | 3.45 | 63  | 14279  | 4.91  | ug/l   | 99     |
| 25) 2-Butanone                | 4.27 | 43  | 38524  | 25.82 | ug/l   | 95     |
| 26) 2,2-Dichloropropane       | 4.23 | 77  | 11429  | 4.79  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene    | 4.23 | 96  | 7210   | 4.79  | ug/l   | 99     |
| 28) Bromochloromethane        | 4.55 | 49  | 7278   | 5.19  | ug/l # | 97     |
| 29) Tetrahydrofuran           | 4.64 | 42  | 23045  | 24.51 | ug/l   | 98     |
| 30) Chloroform                | 4.68 | 83  | 12795  | 4.95  | ug/l   | 99     |
| 31) Cyclohexane               | 5.00 | 56  | 15388  | 4.53  | ug/l # | 84     |
| 32) 1,1,1-Trichloroethane     | 4.92 | 97  | 10462  | 4.81  | ug/l   | 97     |
| 36) 1,1-Dichloropropene       | 5.14 | 75  | 9707   | 4.73  | ug/l   | 96     |
| 37) Ethyl Acetate             | 4.39 | 43  | 13742  | 5.19  | ug/l # | 96     |
| 38) Carbon Tetrachloride      | 5.14 | 117 | 8629   | 4.66  | ug/l   | 95     |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\U101118\  
 Data File : VU027583.D  
 Acq On : 11 Oct 2018 08:45  
 Operator : MD/SY  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 10/16/2018 2:22:49 PM

Quant Time: Oct 12 09:30:36 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U101118W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 11 09:56:08 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 39) Methylcyclohexane          | 6.42  | 83   | 10037    | 4.19   | ug/l   | 98       |
| 40) Benzene                    | 5.39  | 78   | 29256    | 4.90   | ug/l   | 99       |
| 41) Methacrylonitrile          | 4.55  | 41   | 6928     | 4.62   | ug/l   | 98       |
| 42) 1,2-Dichloroethane         | 5.41  | 62   | 10896    | 4.91   | ug/l   | 98       |
| 43) Isopropyl Acetate          | 5.55  | 43   | 18826    | 4.57   | ug/l   | 99       |
| 44) Trichloroethene            | 6.19  | 130  | 6582     | 4.94   | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 6.44  | 63   | 8507     | 4.94   | ug/l   | 97       |
| 46) Dibromomethane             | 6.56  | 93   | 4947     | 5.08   | ug/l   | 96       |
| 47) Bromodichloromethane       | 6.76  | 83   | 9547     | 4.73   | ug/l   | 97       |
| 48) Methyl methacrylate        | 6.63  | 41   | 8971     | 4.38   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 6.62  | 88   | 3527     | 100.14 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 7.46  | 43   | 64507    | 24.12  | ug/l   | 97       |
| 52) Toluene                    | 7.64  | 92   | 16314    | 4.61   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene      | 7.88  | 75   | 10770    | 4.55   | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene    | 7.27  | 75   | 11347    | 4.46   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane      | 8.07  | 97   | 6989     | 4.99   | ug/l   | 97       |
| 56) Ethyl methacrylate         | 8.02  | 69   | 9830     | 4.23   | ug/l   | 96       |
| 57) 1,3-Dichloropropane        | 8.24  | 76   | 12786    | 4.70   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 7.13  | 63   | 29034    | 22.34  | ug/l   | 100      |
| 59) 2-Hexanone                 | 8.37  | 43   | 50081    | 24.14  | ug/l   | 97       |
| 60) Dibromochloromethane       | 8.48  | 129  | 6584     | 4.68   | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 8.59  | 107  | 6928     | 4.65   | ug/l   | 97       |
| 64) Tetrachloroethene          | 8.23  | 164  | 5246     | 4.97   | ug/l   | 98       |
| 65) Chlorobenzene              | 9.12  | 112  | 17447    | 4.89   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 5935     | 4.82   | ug/l   | 98       |
| 67) Ethyl Benzene              | 9.25  | 91   | 28241    | 4.47   | ug/l   | 99       |
| 68) m/p-Xylenes                | 9.38  | 106  | 19933    | 8.62   | ug/l   | 97       |
| 69) o-Xylene                   | 9.78  | 106  | 9870     | 4.49   | ug/l   | 99       |
| 70) Styrene                    | 9.79  | 104  | 15565    | 4.32   | ug/l   | 98       |
| 71) Bromoform                  | 9.96  | 173  | 4799     | 4.85   | ug/l # | 98       |
| 73) Isopropylbenzene           | 10.17 | 105  | 26018    | 4.55   | ug/l   | 100      |
| 74) N-amyl acetate             | 10.02 | 43   | 14560    | 4.45   | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 12038    | 5.36   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 10.49 | 75   | 10812m   | 5.30   | ug/l   |          |
| 77) Bromobenzene               | 10.46 | 156  | 6577     | 4.95   | ug/l   | 96       |
| 78) n-propylbenzene            | 10.59 | 91   | 30586    | 4.45   | ug/l   | 97       |
| 79) 2-Chlorotoluene            | 10.66 | 91   | 20126    | 4.85   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 20839    | 4.48   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 10.51 | 75   | 3202m    | 4.11   | ug/l   |          |
| 82) 4-Chlorotoluene            | 10.77 | 91   | 21331    | 4.53   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 11.10 | 119  | 21614    | 4.80   | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene     | 11.15 | 105  | 20569    | 4.32   | ug/l   | 98       |
| 85) sec-Butylbenzene           | 11.32 | 105  | 24674    | 4.35   | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 11.48 | 119  | 20793    | 4.28   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene        | 11.42 | 146  | 11786    | 4.68   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 11.51 | 146  | 12580    | 4.89   | ug/l   | 94       |
| 89) n-Butylbenzene             | 11.89 | 91   | 18100    | 4.00   | ug/l   | 95       |
| 90) Hexachloroethane           | 12.15 | 117  | 4227     | 4.62   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene        | 11.88 | 146  | 12454    | 5.08   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 2603     | 5.23   | ug/l   | 93       |

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_U\DATA\VU101118\  
Data File : VU027583.D  
Acq On : 11 Oct 2018 08:45  
Operator : MD/SY  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

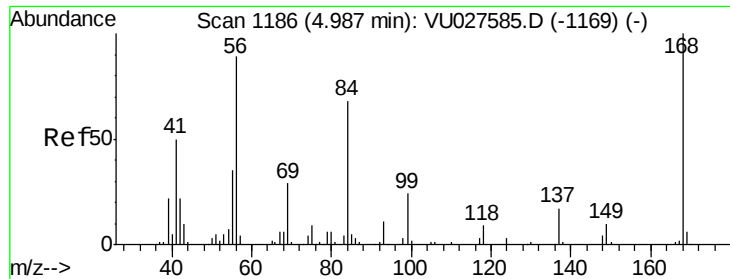
MMDadoda  
10/16/2018 2:22:49 PM

Quant Time: Oct 12 09:30:36 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U101118W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 11 09:56:08 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 13.51 | 180  | 6416     | 4.05 | ug/l  | 95       |
| 94) Hexachlorobutadiene    | 13.69 | 225  | 3786     | 4.73 | ug/l  | 99       |
| 95) Naphthalene            | 13.75 | 128  | 20606    | 3.88 | ug/l  | 98       |
| 96) 1,2,3-Trichlorobenzene | 13.99 | 180  | 7559     | 4.58 | ug/l  | 96       |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 110898

Ion Ratio Lower Upper

168 100

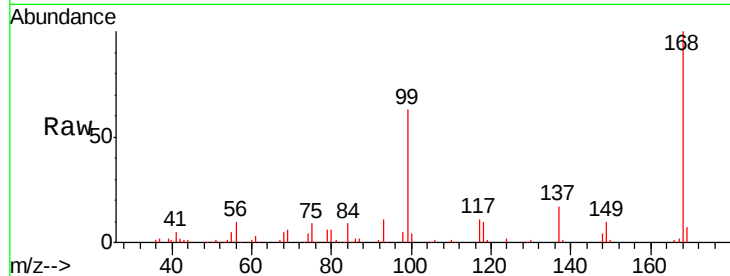
99 62.1 50.8 76.2

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 167.90 (167.60 to 168.60): VU027585.D (-1169) (-)

Ion 98.90 (98.60 to 99.60): VU027585.D (-1169) (-)

4.98

50000

40000

30000

20000

10000

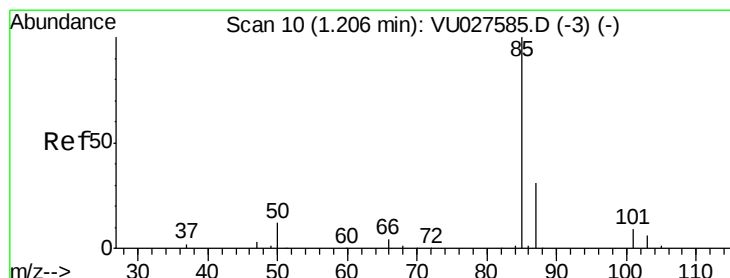
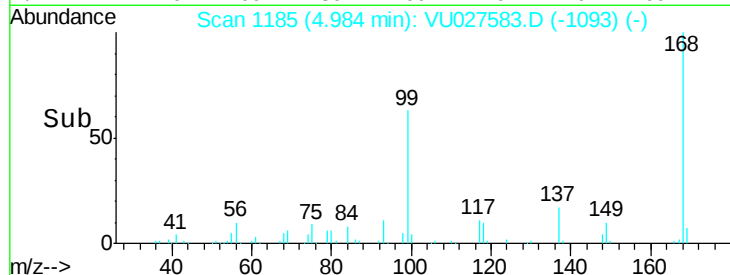
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.19 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU027583.D

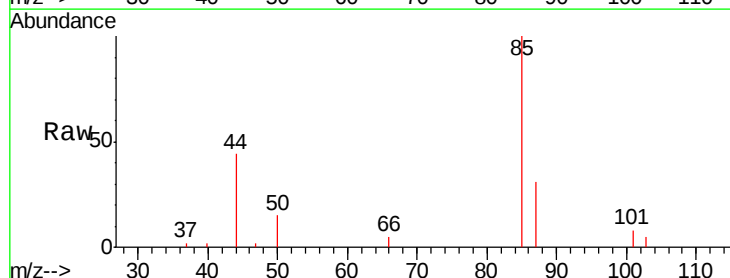
Acq: 11 Oct 2018 08:45

Tgt Ion: 85 Resp: 6698

Ion Ratio Lower Upper

85 100

87 31.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VU027585.D (-3) (-)

Ion 86.90 (86.60 to 87.60): VU027585.D (-3) (-)

1.21

8000

6000

4000

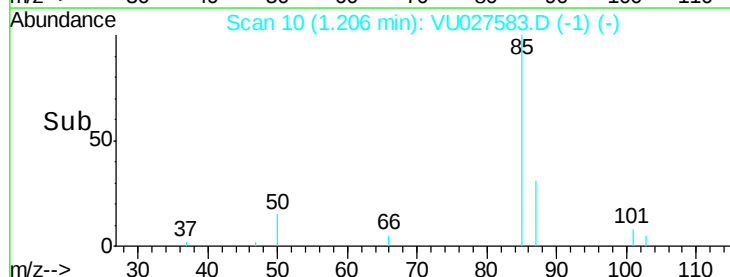
2000

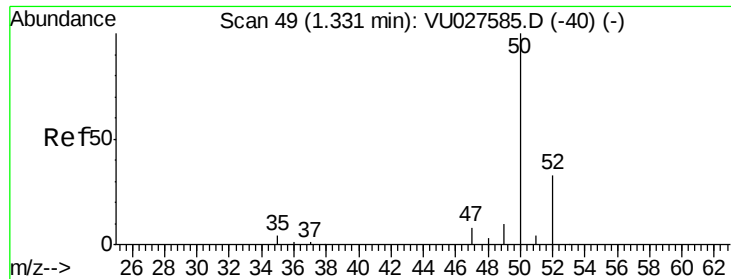
0

1.20

1.25

Time-->





#3

Chloromethane

Concen: 4.61 ug/l

RT: 1.33 min Scan# 49

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 9978

Ion Ratio Lower Upper

50 100

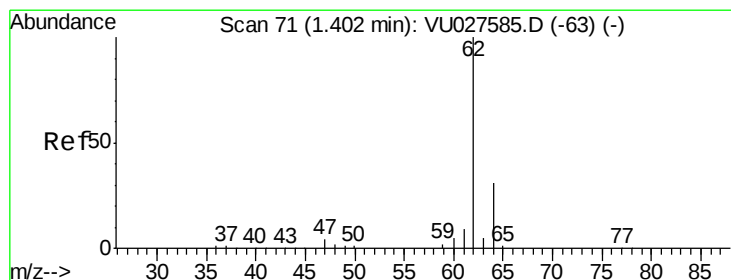
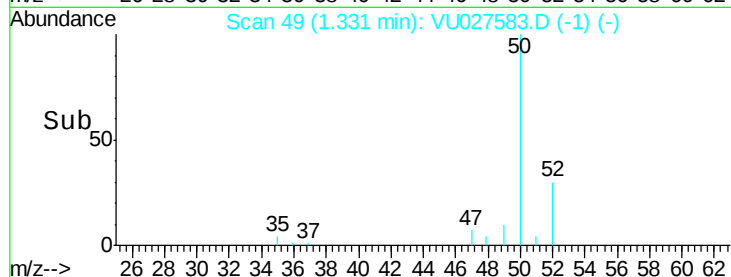
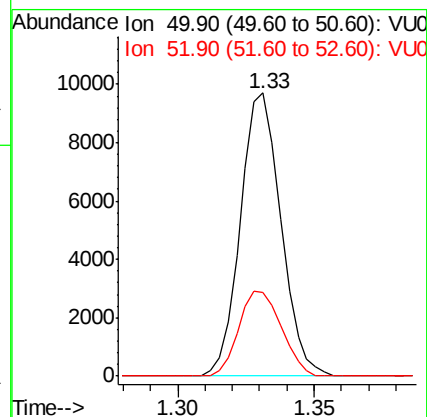
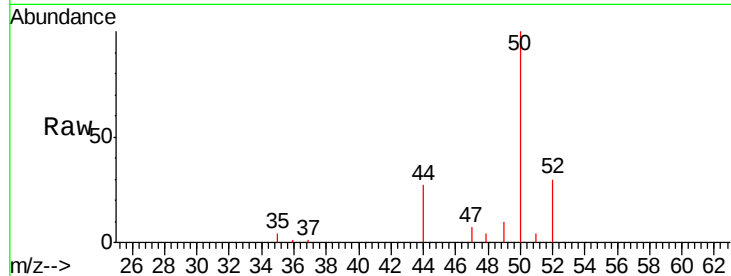
52 29.5 26.5 39.7

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:49 PM



#4

Vinyl Chloride

Concen: 4.53 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU027583.D

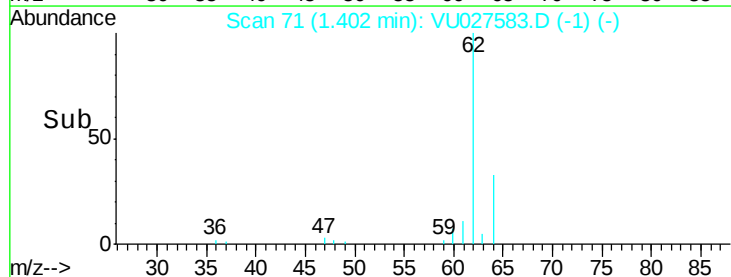
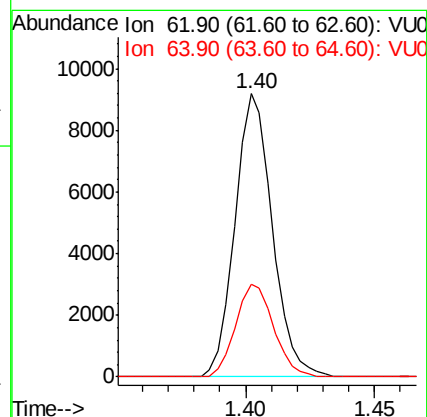
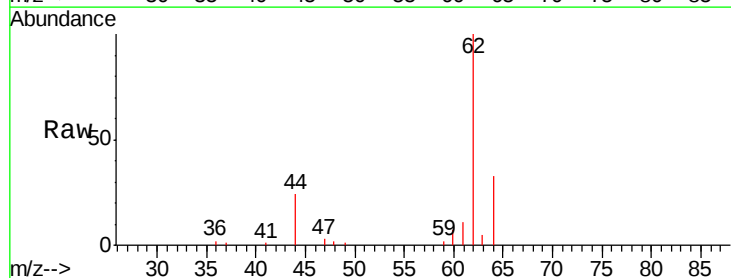
Acq: 11 Oct 2018 08:45

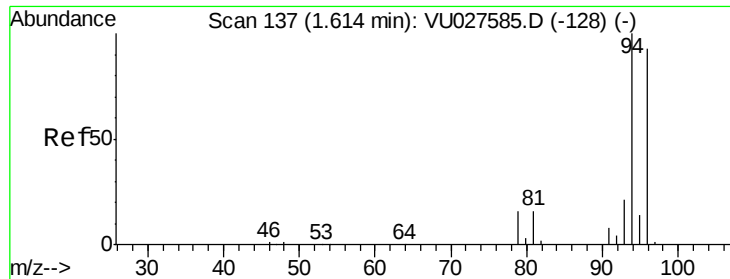
Tgt Ion: 62 Resp: 9220

Ion Ratio Lower Upper

62 100

64 32.8 24.9 37.3





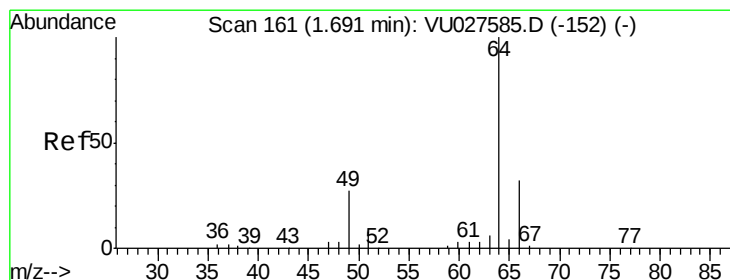
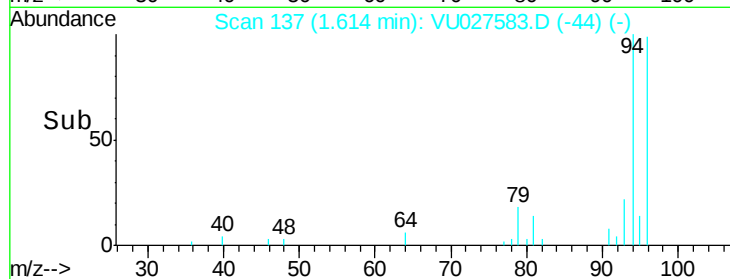
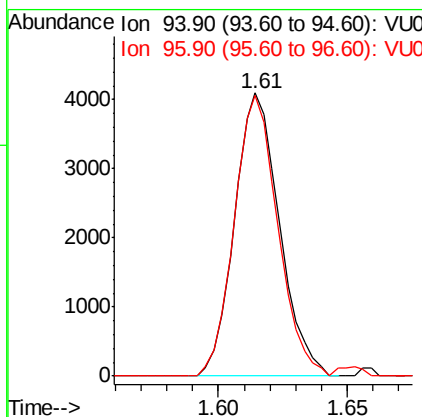
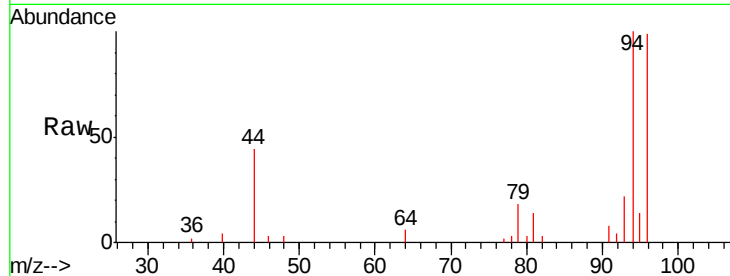
#5  
Bromomethane  
Concen: 5.62 ug/l  
RT: 1.61 min Scan# 137  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 94 Resp: 4945  
Ion Ratio Lower Upper  
94 100  
96 99.2 74.6 111.8

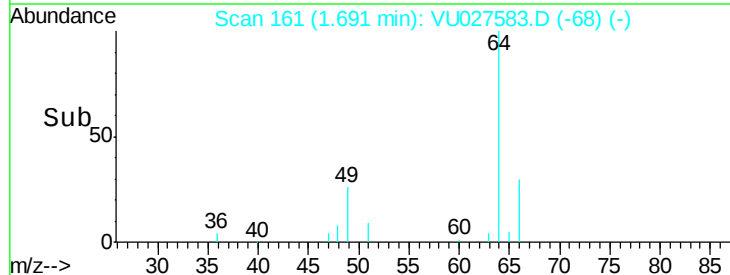
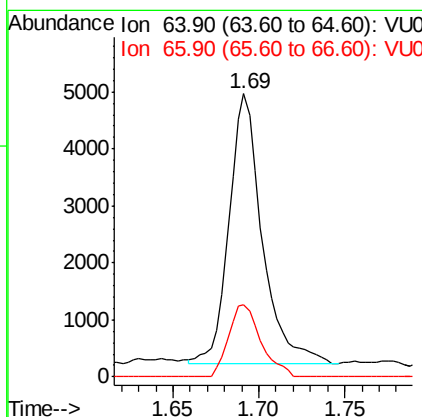
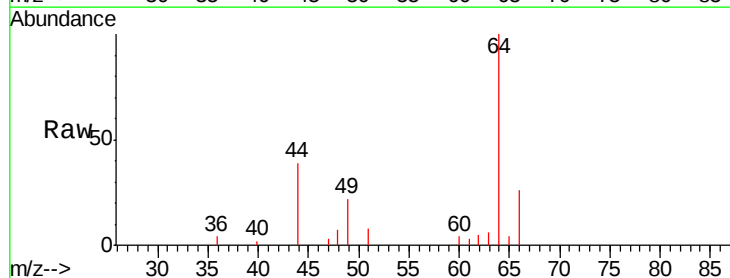
Manual Integrations  
APPROVED

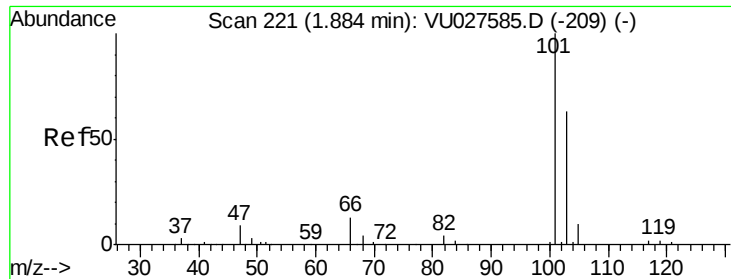
MMDadoda  
10/16/2018 2:22:49 PM



#6  
Chloroethane  
Concen: 5.20 ug/l  
RT: 1.69 min Scan# 161  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 64 Resp: 6356  
Ion Ratio Lower Upper  
64 100  
66 26.9 24.6 36.8





#7

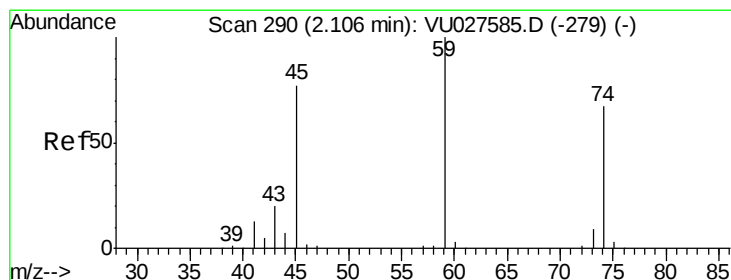
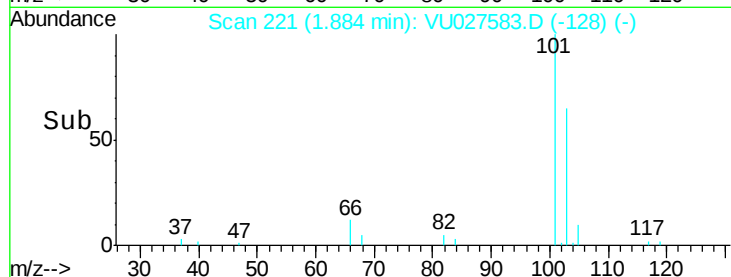
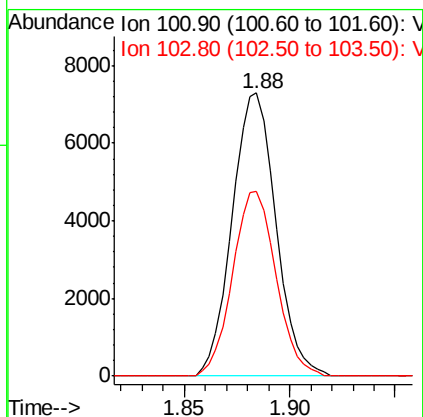
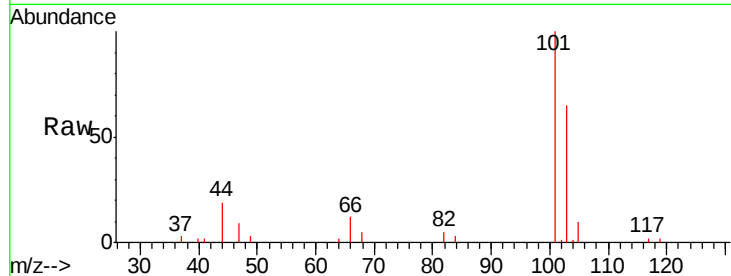
Trichlorofluoromethane  
Concen: 5.10 ug/l  
RT: 1.88 min Scan# 221  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 101 Resp: 10520  
Ion Ratio Lower Upper  
101 100  
103 65.3 52.6 78.8

Manual Integrations  
APPROVED

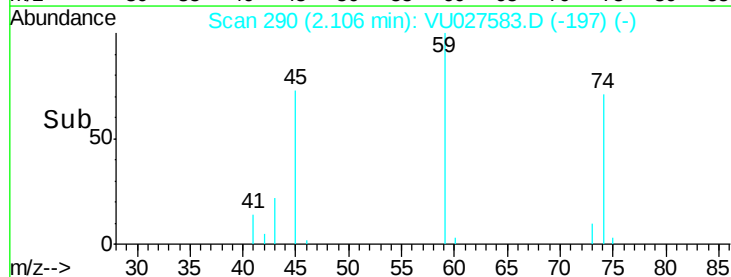
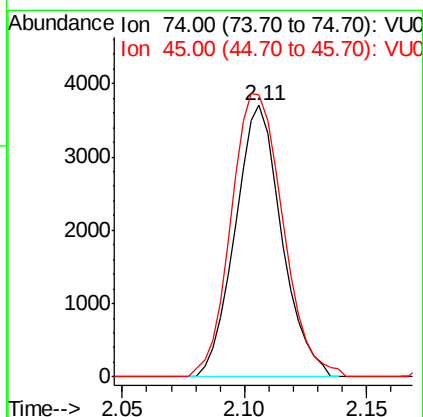
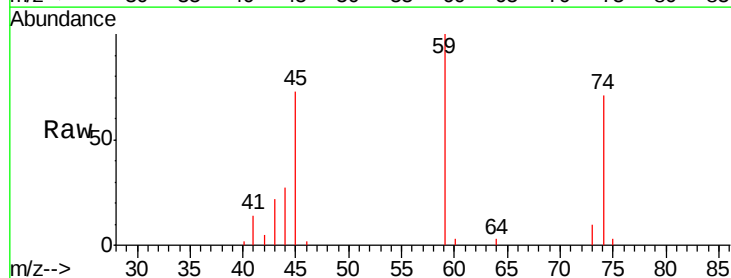
MMDadoda  
10/16/2018 2:22:49 PM

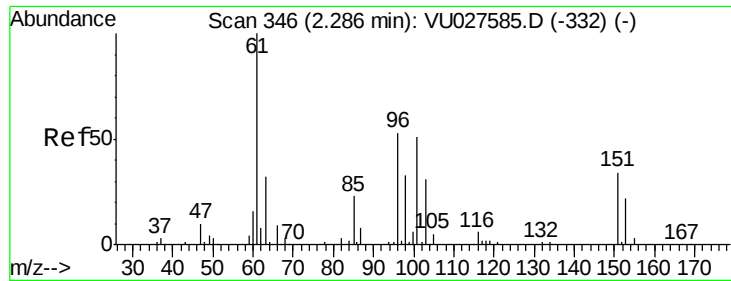


#8

Diethyl Ether  
Concen: 5.15 ug/l  
RT: 2.11 min Scan# 290  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 74 Resp: 4900  
Ion Ratio Lower Upper  
74 100  
45 116.5 60.4 181.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.84 ug/l

RT: 2.29 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

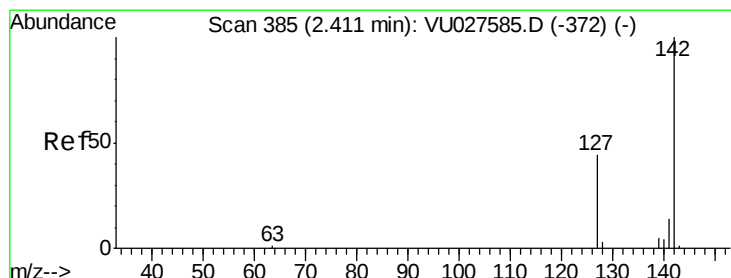
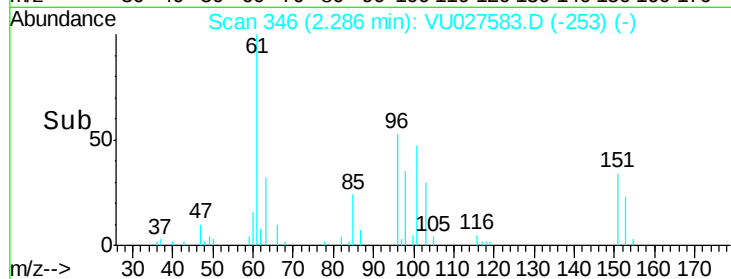
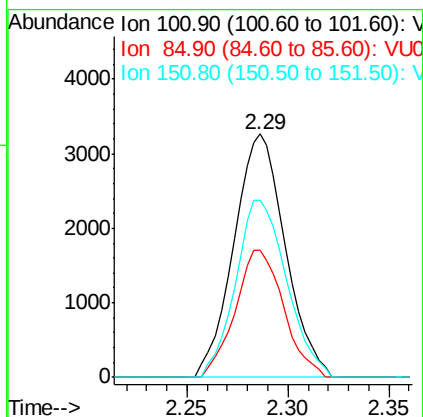
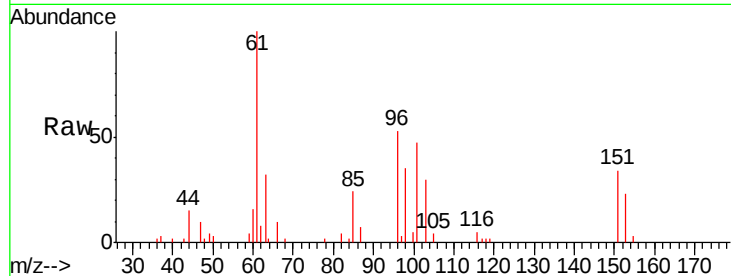
ClientSampleId :

VSTDIC005

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 101   | Resp: | 5804 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 49.1  | 37.5  | 56.3 |
| 151       | 72.5  | 55.6  | 83.4 |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#10

Methyl Iodide

Concen: 4.42 ug/l

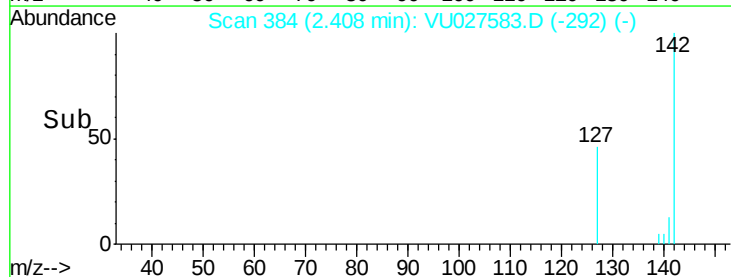
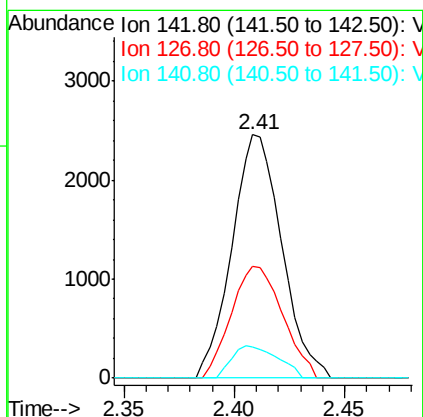
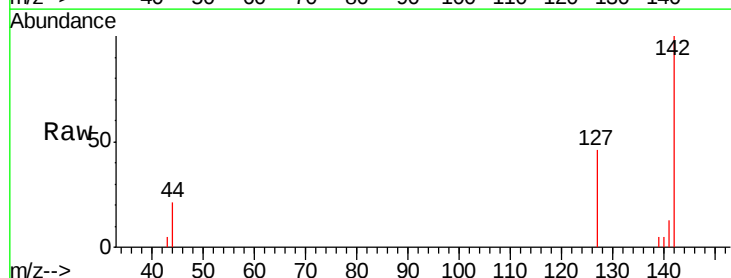
RT: 2.41 min Scan# 384

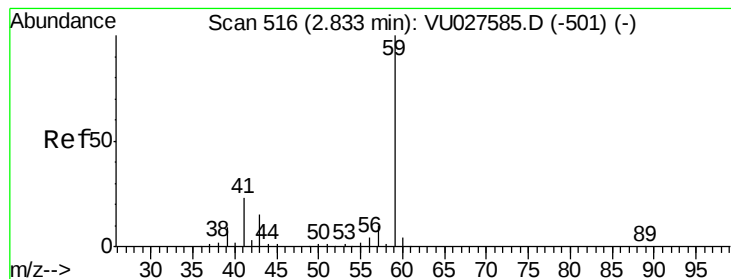
Delta R.T. -0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 142   | Resp: | 3862 |
| Ion Ratio | Lower | Upper |      |
| 142       | 100   |       |      |
| 127       | 47.2  | 36.3  | 54.5 |
| 141       | 12.3  | 11.6  | 17.4 |





#11

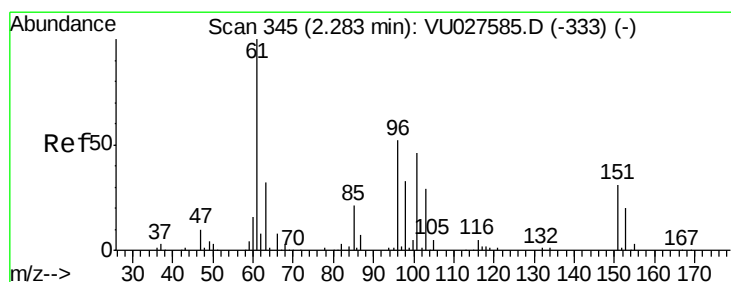
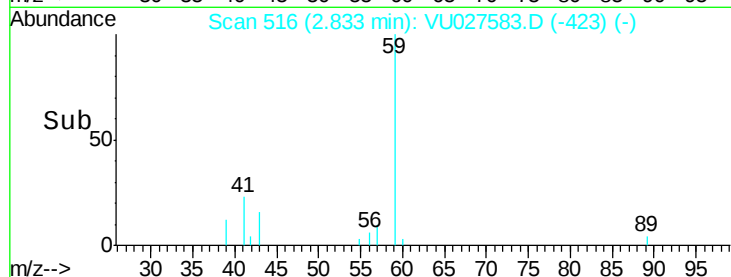
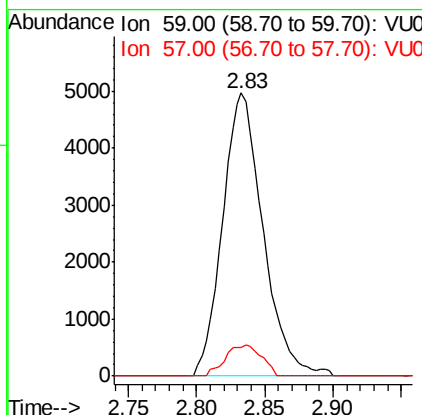
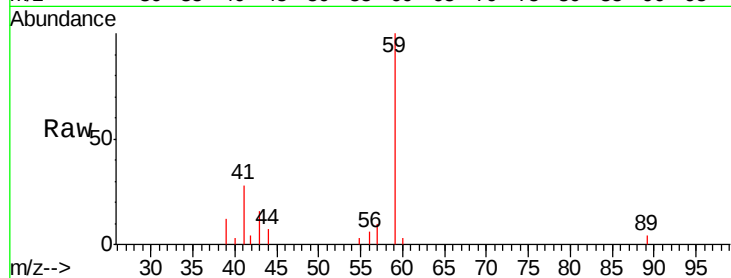
Tert butyl alcohol  
Concen: 26.20 ug/l  
RT: 2.83 min Scan# 516  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.7   | 8.4   | 12.6  |

Manual Integrations  
APPROVED

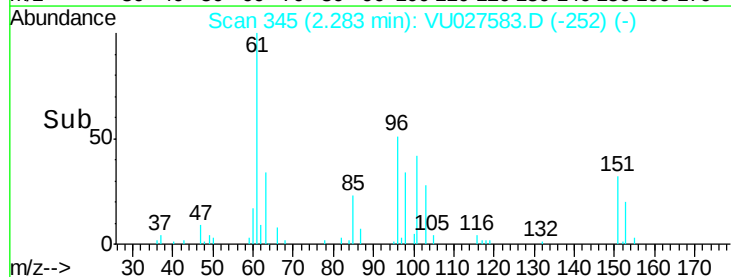
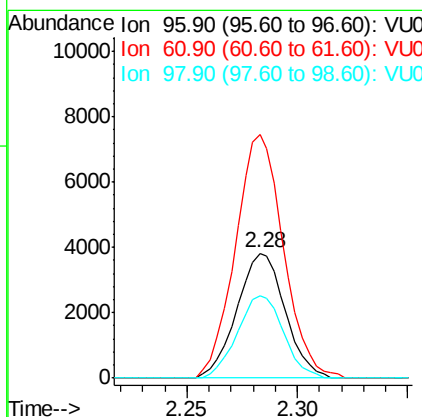
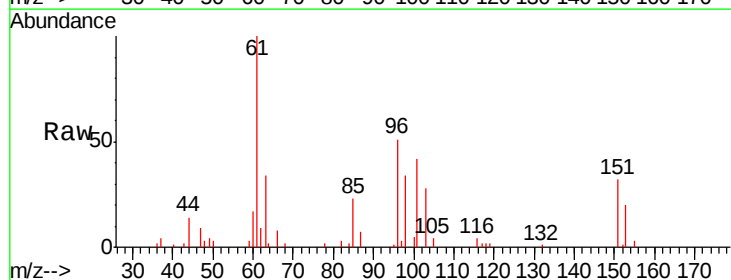
MMDadoda  
10/16/2018 2:22:49 PM

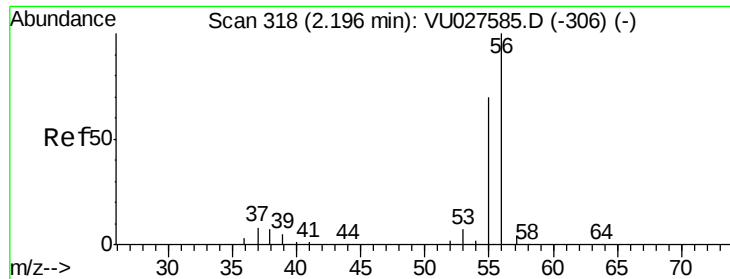


#12

1,1-Dichloroethene  
Concen: 4.95 ug/l  
RT: 2.28 min Scan# 345  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 195.4 | 153.0 | 229.6 |
| 98      | 66.3  | 49.3  | 73.9  |





#13

Acrolein

Concen: 24.30 ug/l

RT: 2.20 min Scan# 318

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 7952

Ion Ratio Lower Upper

56 100

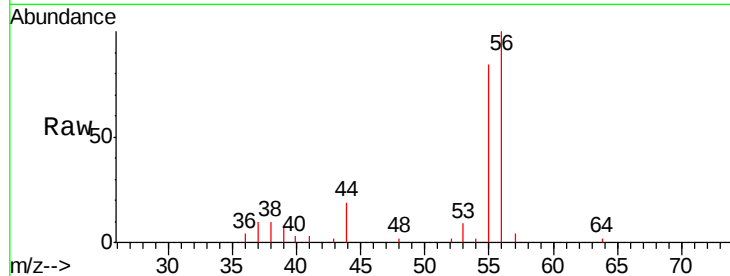
55 77.2 57.7 86.5

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

6000

5000

4000

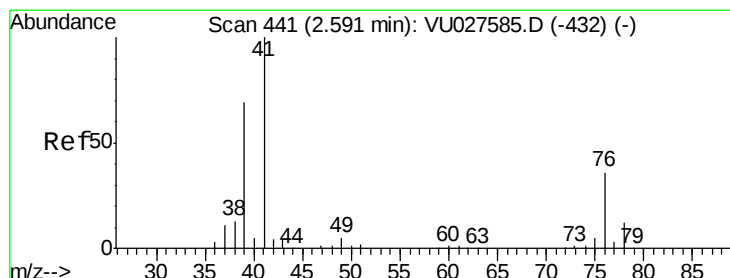
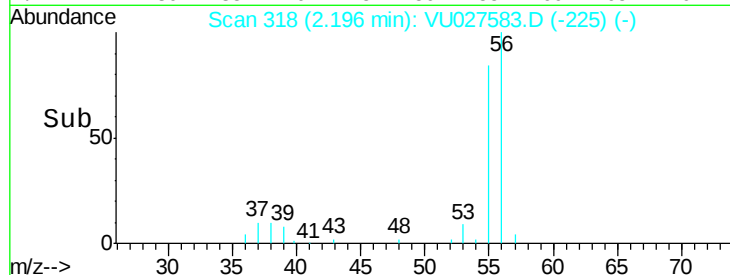
3000

2000

1000

0

Time-->



#14

Allyl chloride

Concen: 4.76 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

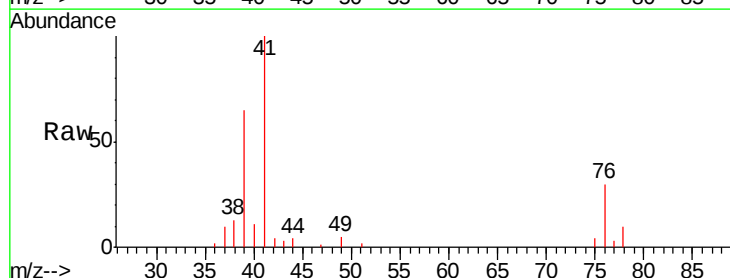
Tgt Ion: 41 Resp: 13231

Ion Ratio Lower Upper

41 100

39 64.0 51.8 77.8

76 30.2 25.9 38.9



Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0

10000

8000

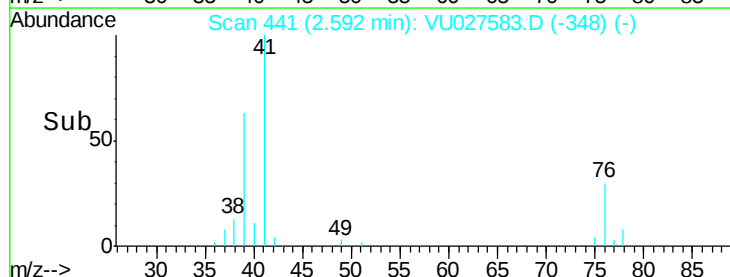
6000

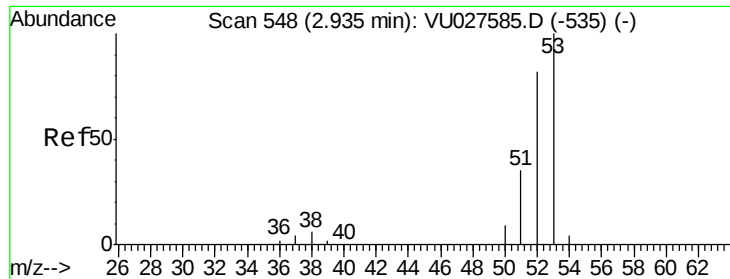
4000

2000

0

Time-->





#15

Acrylonitrile

Concen: 24.66 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

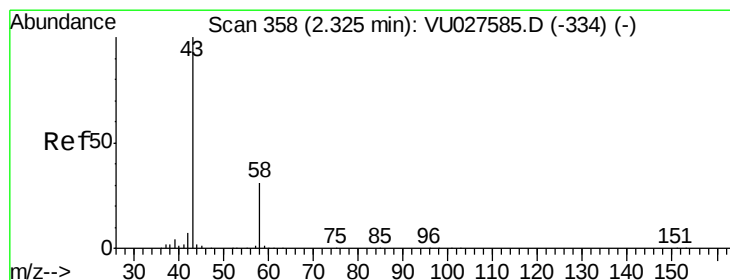
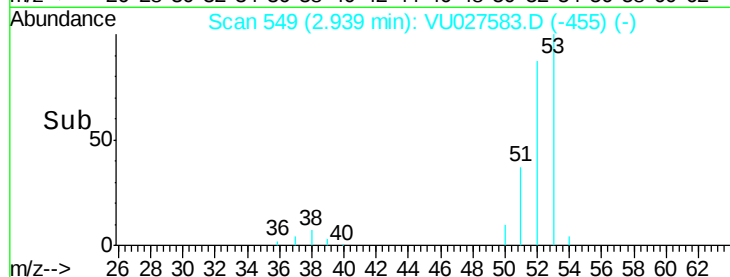
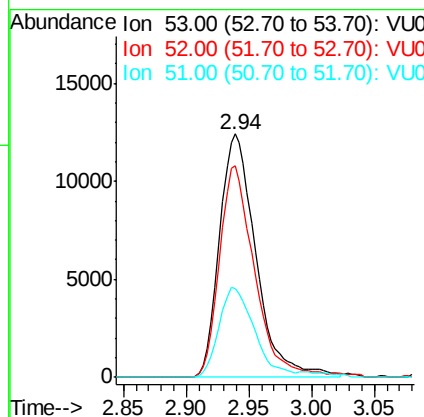
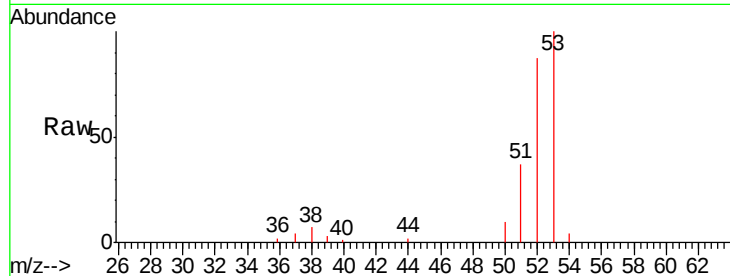
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 25024 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.3  | 66.5  | 99.7  |
| 51       | 35.8  | 27.6  | 41.4  |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#16

Acetone

Concen: 26.39 ug/l

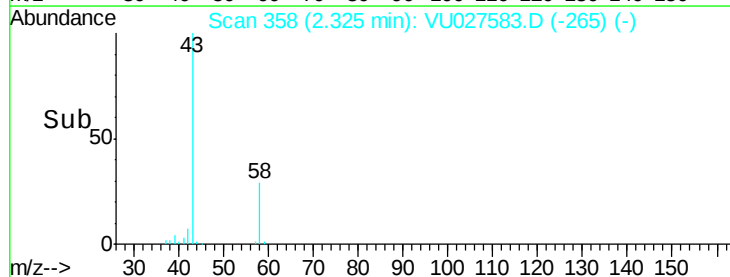
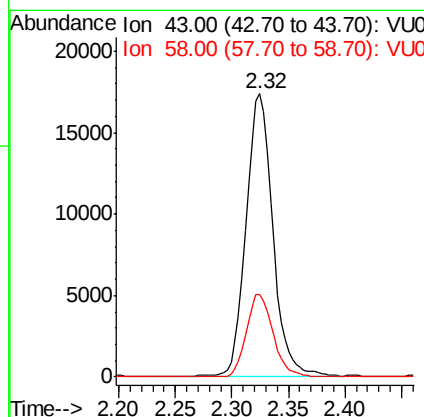
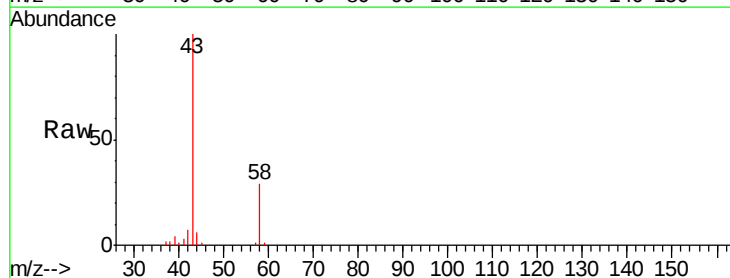
RT: 2.32 min Scan# 358

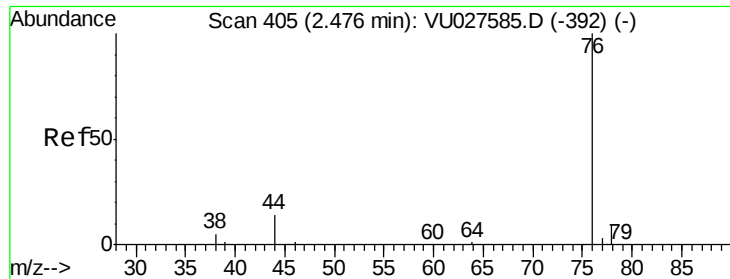
Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 28874 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.2  | 24.2  | 36.4  |





#17

Carbon Disulfide

Concen: 4.69 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Tgt Ion: 76 Resp: 19833

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

Instrument :

MSVOA\_U

ClientSampleId :

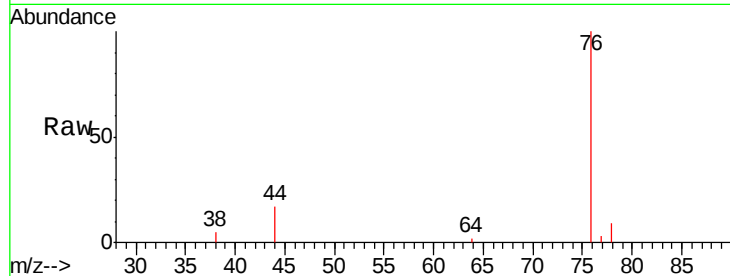
VSTDIC005

Manual Integrations

APPROVED

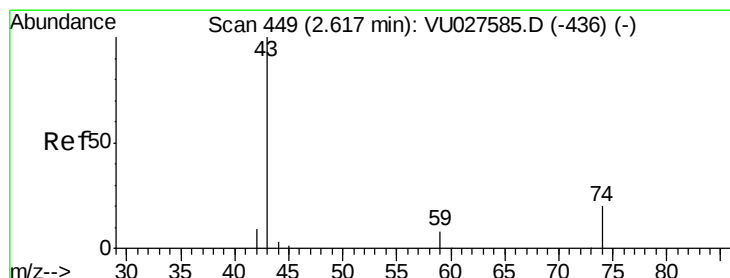
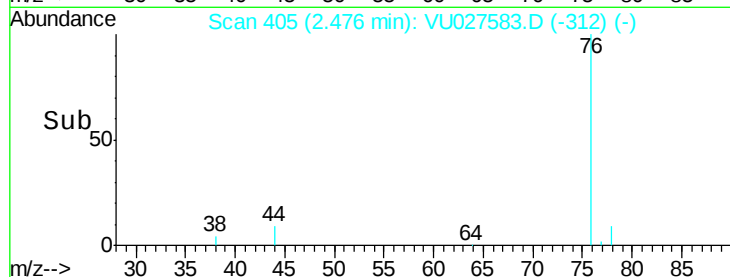
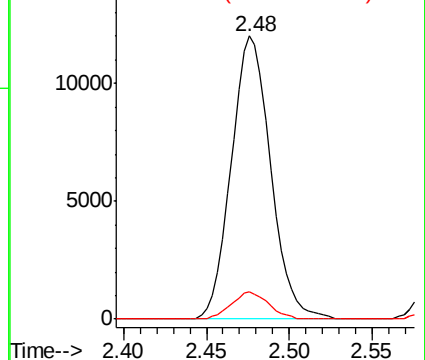
MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 5.35 ug/l

RT: 2.62 min Scan# 450

Delta R.T. 0.00 min

Lab File: VU027583.D

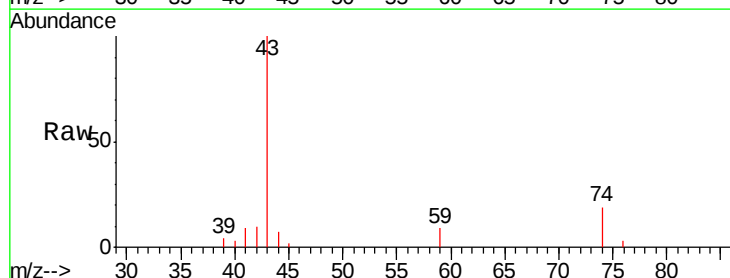
Acq: 11 Oct 2018 08:45

Tgt Ion: 43 Resp: 13340

Ion Ratio Lower Upper

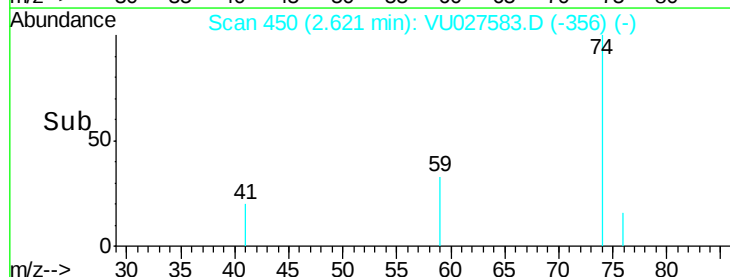
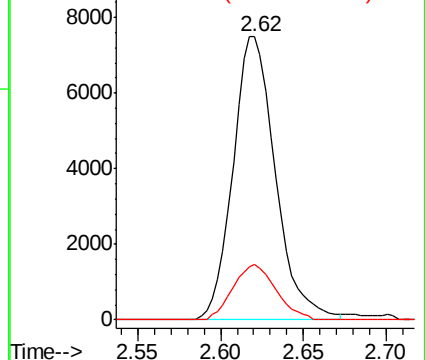
43 100

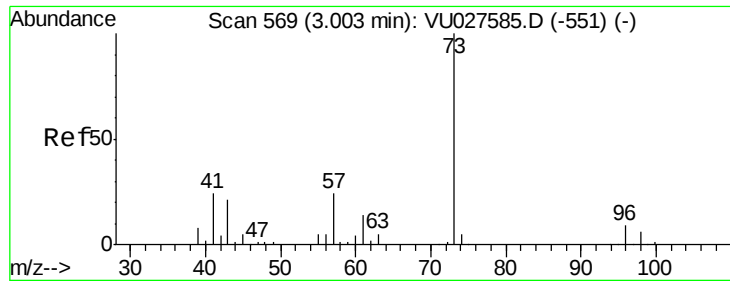
74 19.8 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





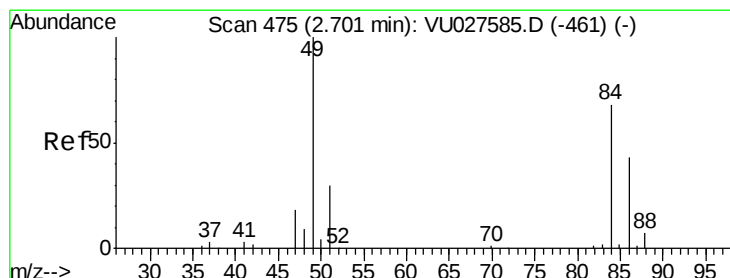
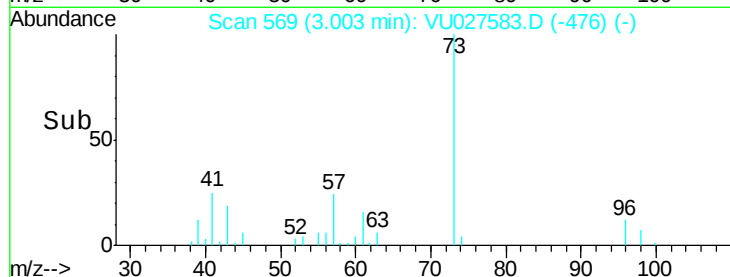
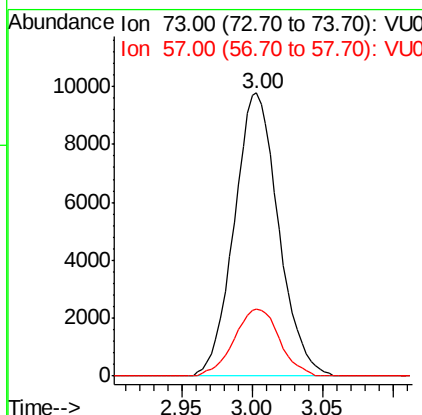
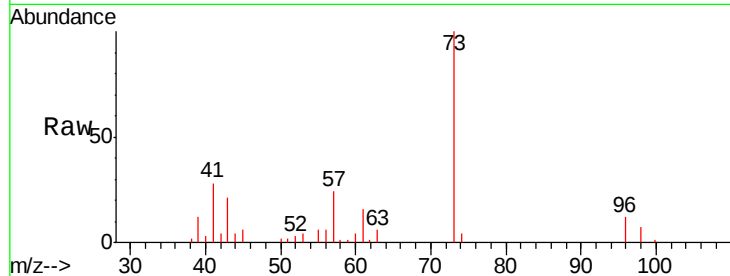
#19  
Methyl tert-butyl Ether  
Concen: 4.57 ug/l  
RT: 3.00 min Scan# 569  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 73 Resp: 21455  
Ion Ratio Lower Upper  
73 100  
57 23.7 20.0 30.0

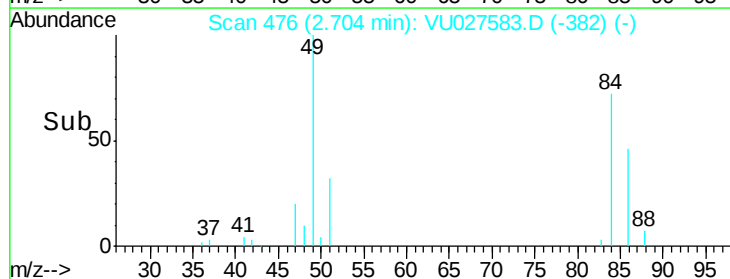
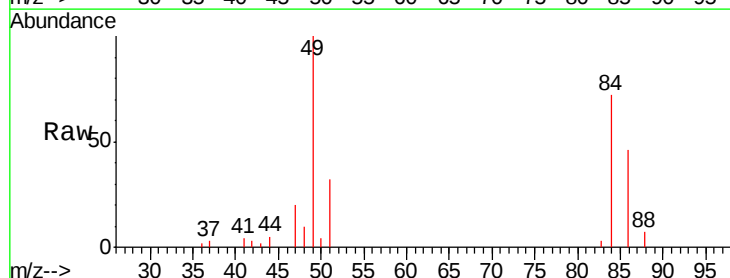
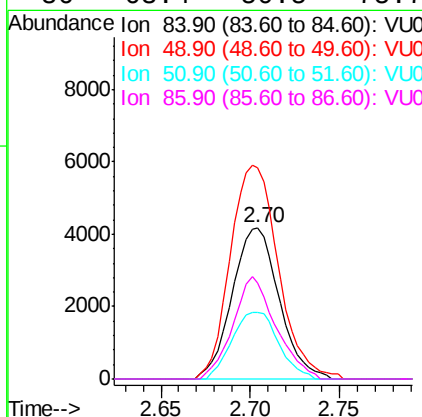
Manual Integrations  
APPROVED

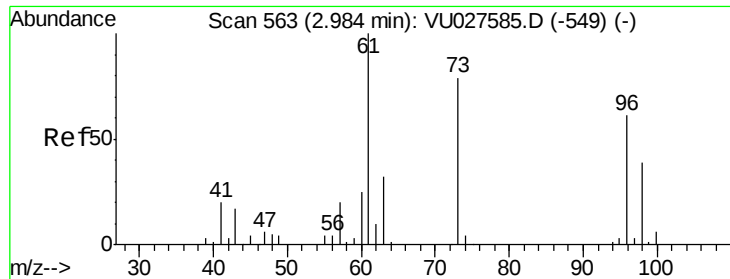
MMDadoda  
10/16/2018 2:22:49 PM



#20  
Methylene Chloride  
Concen: 5.04 ug/l  
RT: 2.70 min Scan# 476  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 84 Resp: 7686  
Ion Ratio Lower Upper  
84 100  
49 139.3 120.5 180.7  
51 43.9 35.1 52.7  
86 63.4 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 4.85 ug/l

RT: 2.98 min Scan# 563

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

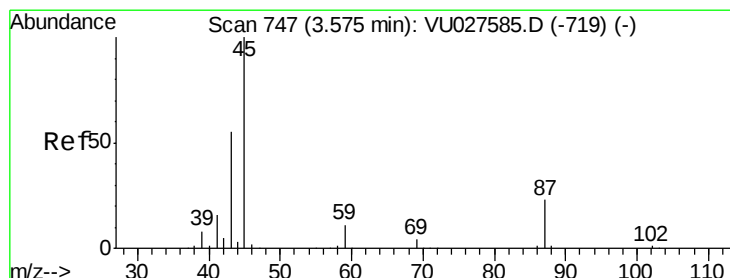
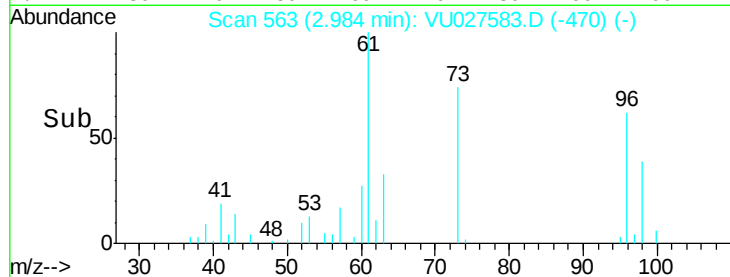
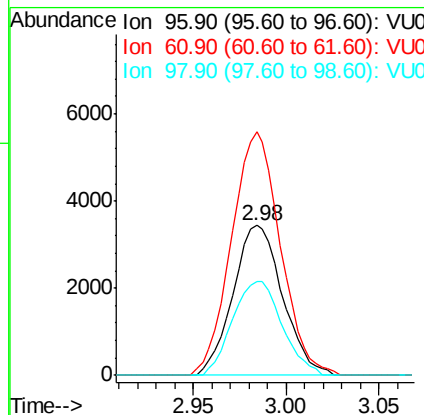
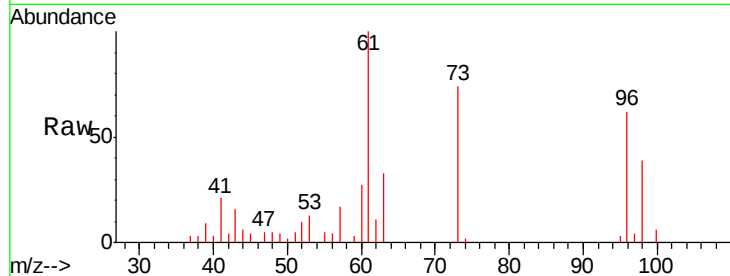
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 6381  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 162.4 | 129.4 | 194.2 |
| 98       | 62.7  | 51.2  | 76.8  |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#22

Diisopropyl ether

Concen: 4.73 ug/l

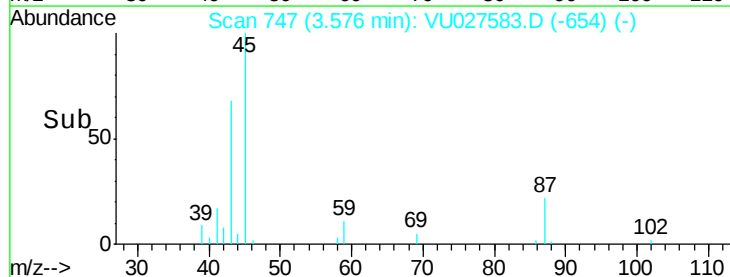
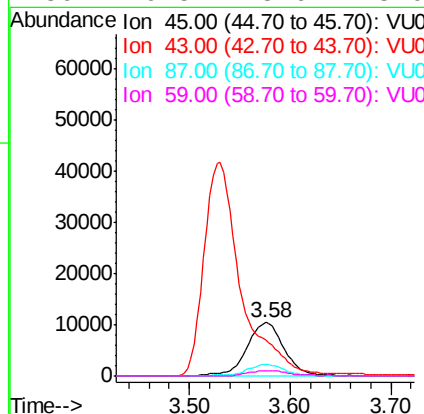
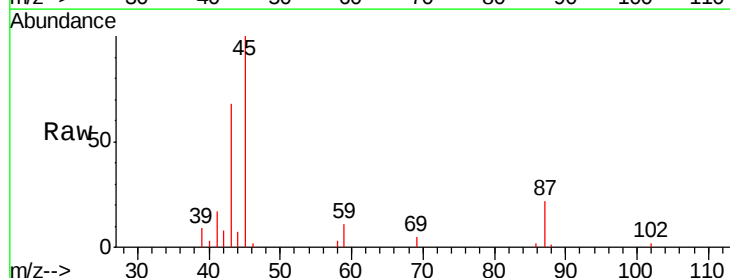
RT: 3.58 min Scan# 747

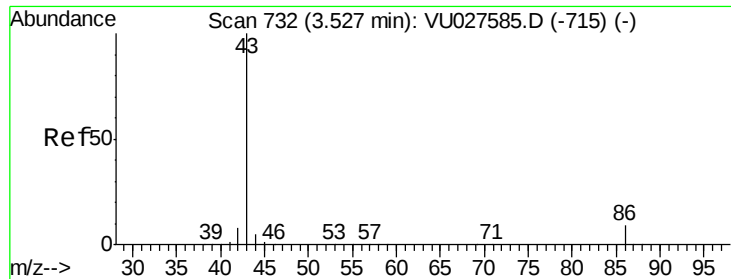
Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 26737 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 63.8  | 43.4  | 65.2  |
| 87       | 22.3  | 17.5  | 26.3  |
| 59       | 10.5  | 8.6   | 13.0  |





#23

Vinyl Acetate

Concen: 21.38 ug/l

RT: 3.53 min Scan# 733

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 105562

Ion Ratio Lower Upper

43 100

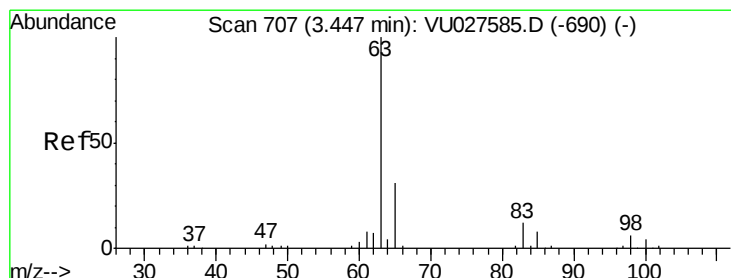
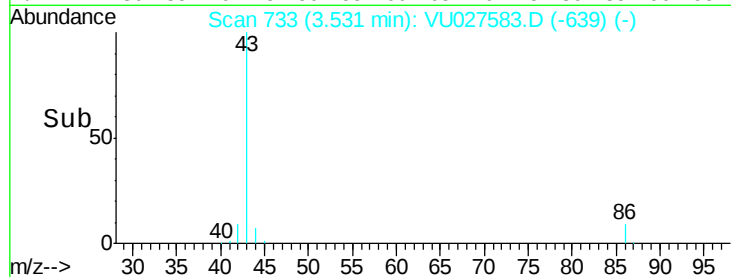
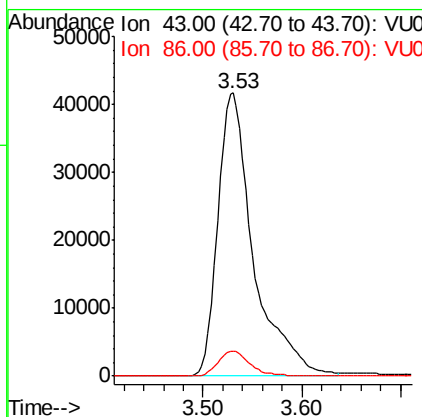
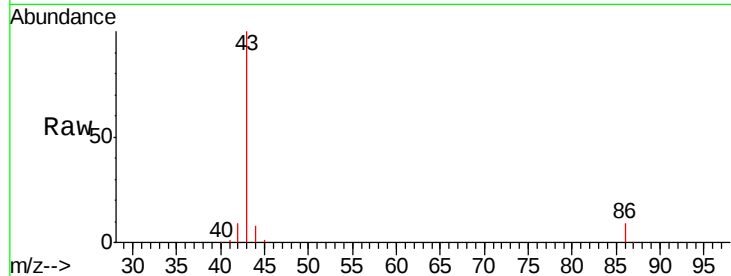
86 8.9 7.0 10.4

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:49 PM



#24

1,1-Dichloroethane

Concen: 4.91 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

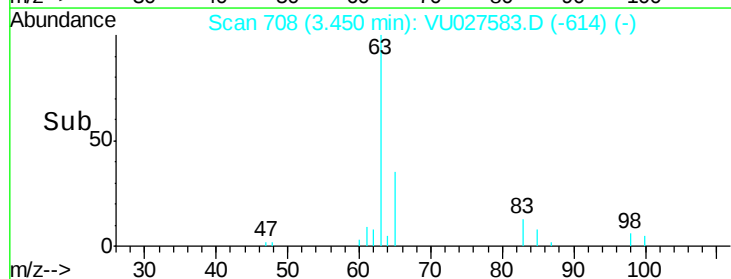
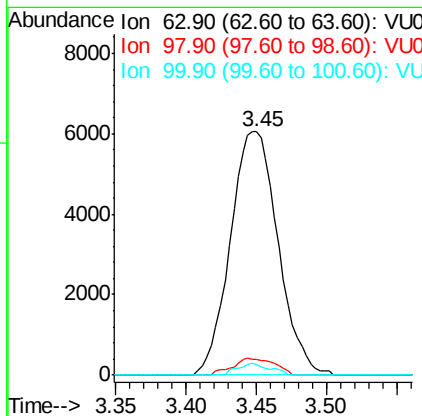
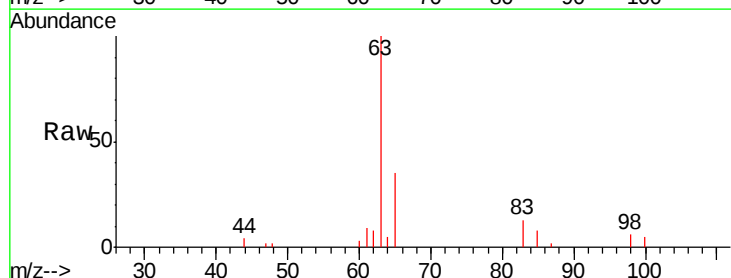
Tgt Ion: 63 Resp: 14279

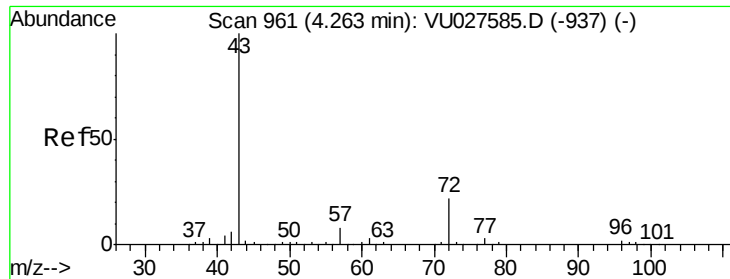
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 4.5 1.8 5.5





#25

2-Butanone

Concen: 25.82 ug/l

RT: 4.27 min Scan# 963

Delta R.T. 0.01 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 38524

Ion Ratio Lower Upper

43 100

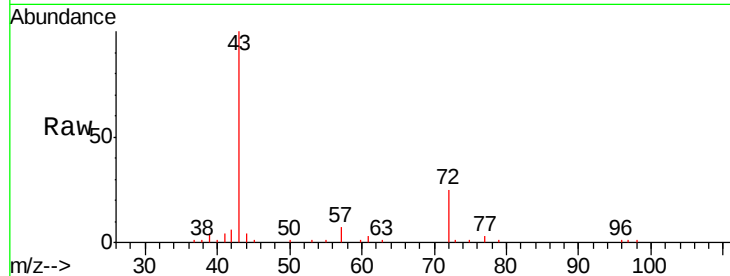
72 24.6 17.8 26.6

Manual Integrations

APPROVED

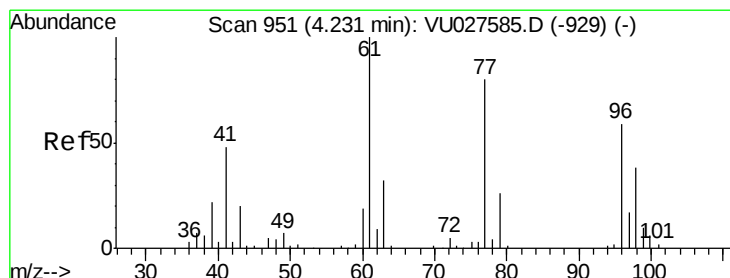
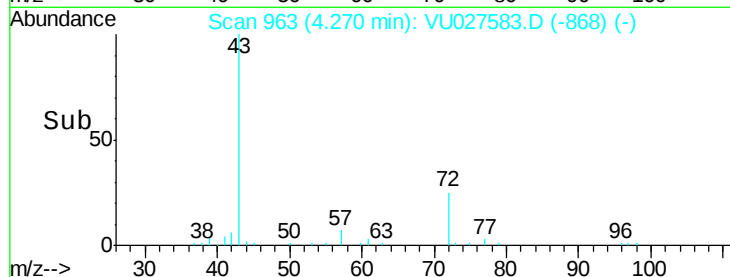
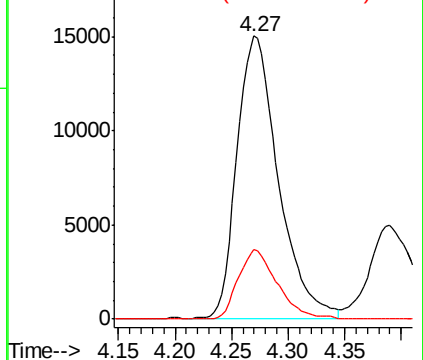
MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 4.79 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027583.D

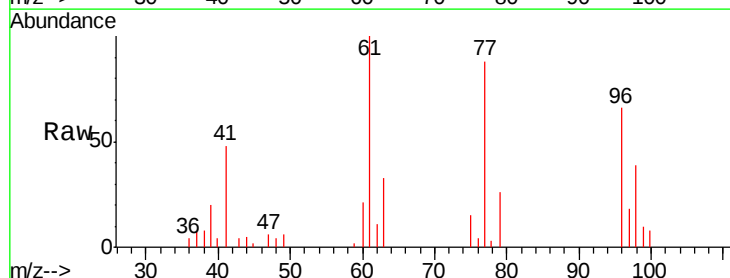
Acq: 11 Oct 2018 08:45

Tgt Ion: 77 Resp: 11429

Ion Ratio Lower Upper

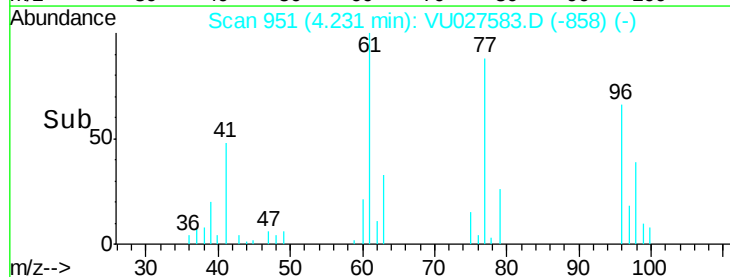
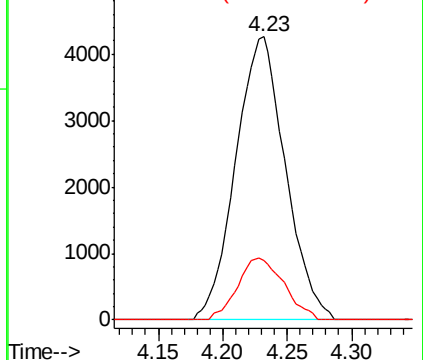
77 100

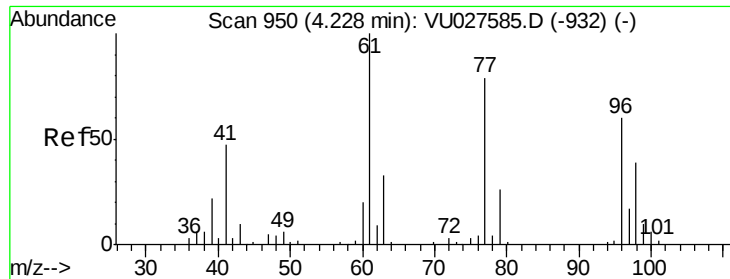
97 20.4 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

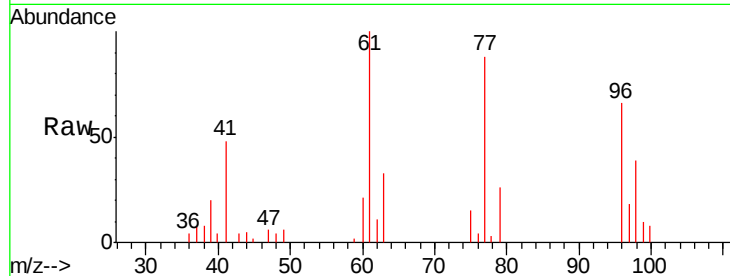
cis-1,2-Dichloroethene  
Concen: 4.79 ug/l  
RT: 4.23 min Scan# 951  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

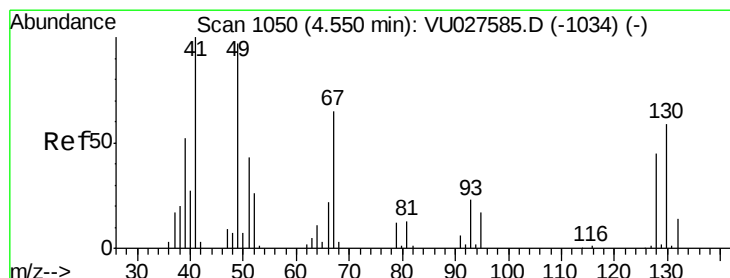
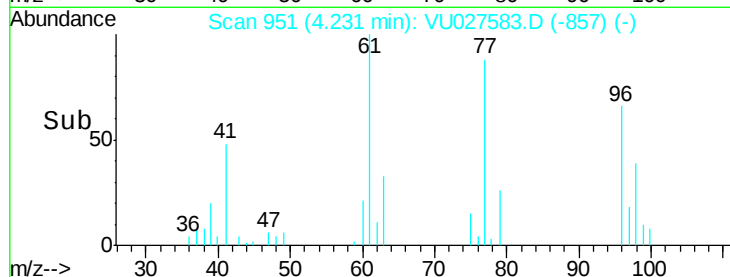
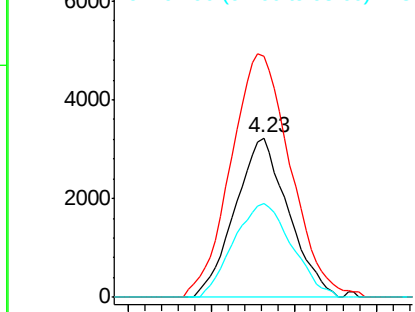
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 170.7 | 0.0   | 343.8 |
| 98      | 64.2  | 0.0   | 129.0 |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



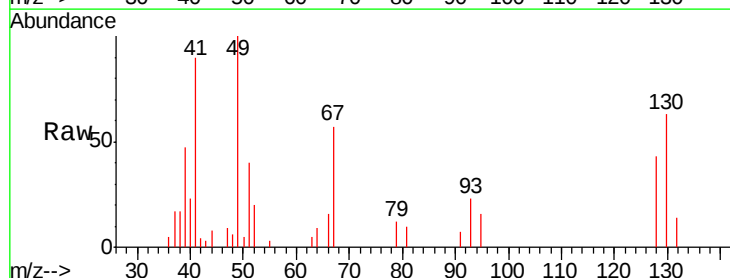
Abundance Ion 95.90 (95.60 to 96.60): VU0  
Ion 60.90 (60.60 to 61.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0



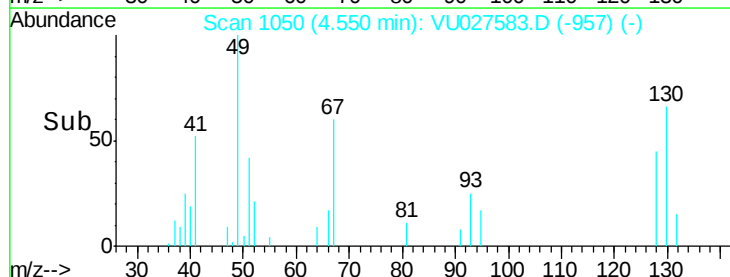
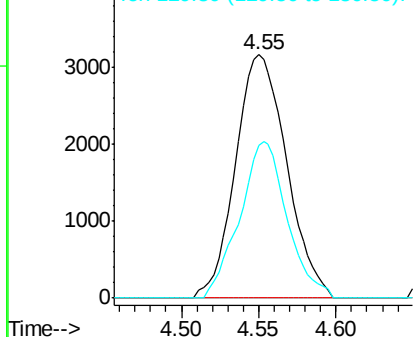
#28

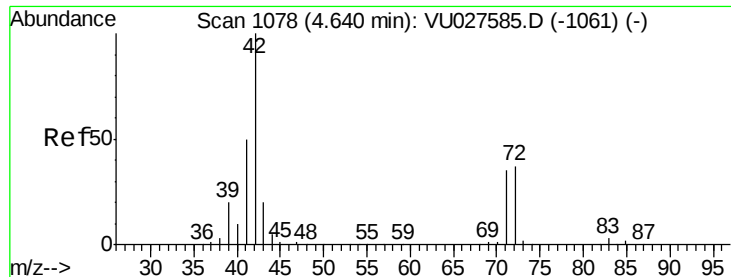
Bromochloromethane  
Concen: 5.19 ug/l  
RT: 4.55 min Scan# 1050  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 49      | 100   |       |       |
| 129     | 0.0   | 0.0   | 3.0   |
| 130     | 59.7  | 46.1  | 69.1  |



Abundance Ion 48.90 (48.60 to 49.60): VU0  
Ion 128.80 (128.50 to 129.50): V  
Ion 129.80 (129.50 to 130.50): V





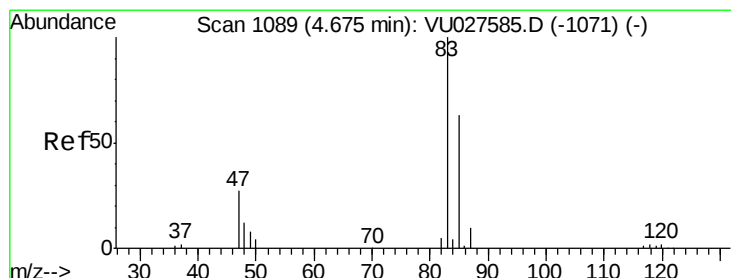
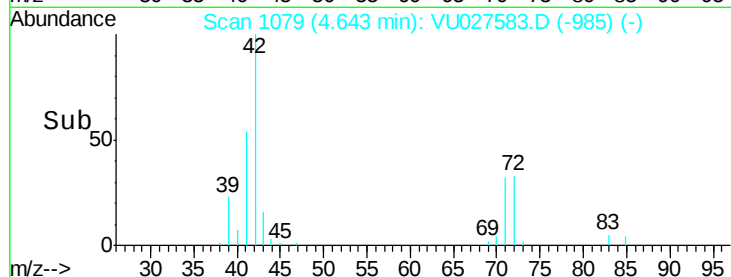
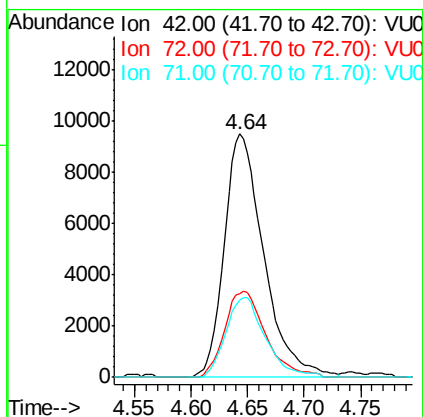
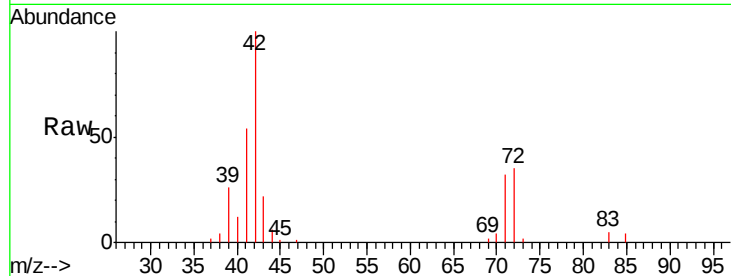
#29  
Tetrahydrofuran  
Concen: 24.51 ug/l  
RT: 4.64 min Scan# 1079  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 36.7  | 30.1  | 45.1  |
| 71      | 33.0  | 27.7  | 41.5  |

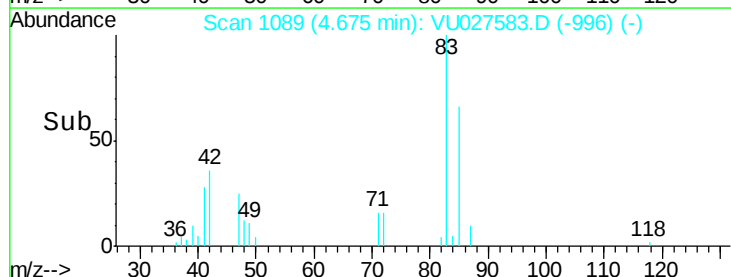
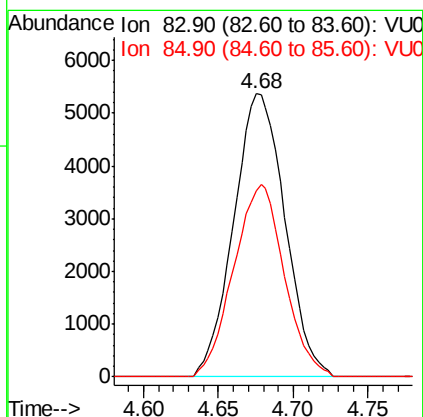
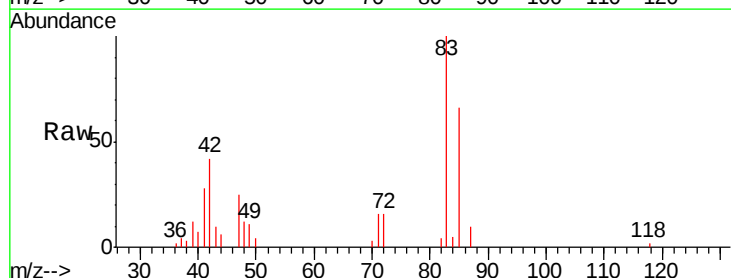
Manual Integrations  
APPROVED

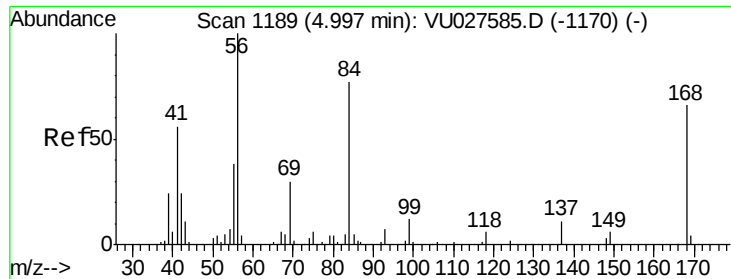
MMDadoda  
10/16/2018 2:22:49 PM



#30  
Chloroform  
Concen: 4.95 ug/l  
RT: 4.68 min Scan# 1089  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.6  | 51.8  | 77.6  |





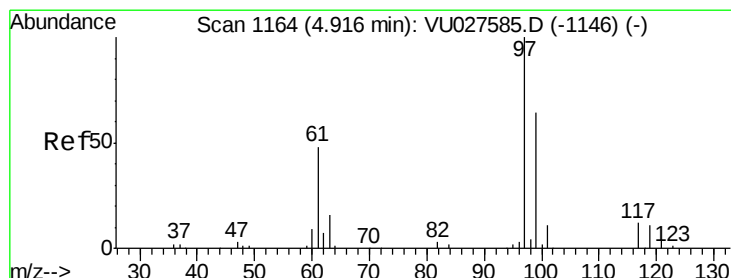
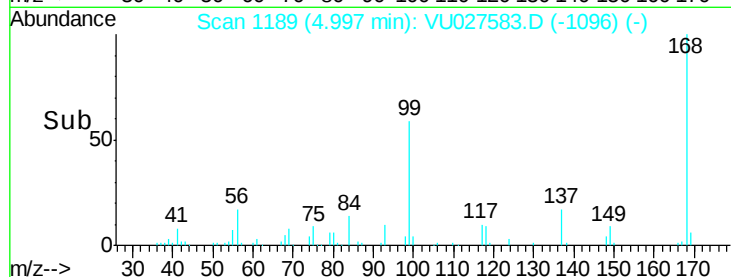
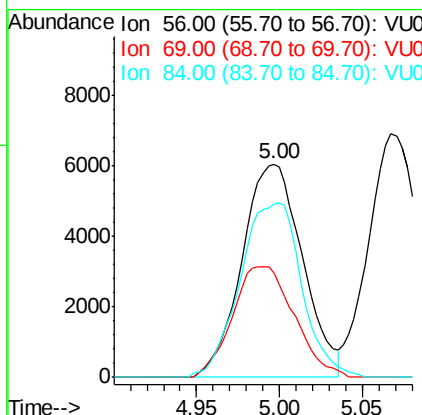
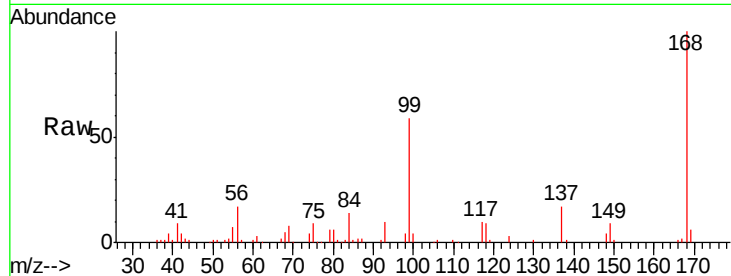
#31  
Cyclohexane  
Concen: 4.53 ug/l  
RT: 5.00 min Scan# 1189  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 48.7  | 24.1  | 36.1# |
| 84      | 81.1  | 59.1  | 88.7  |

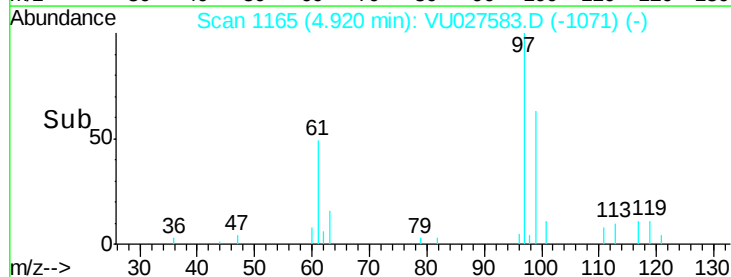
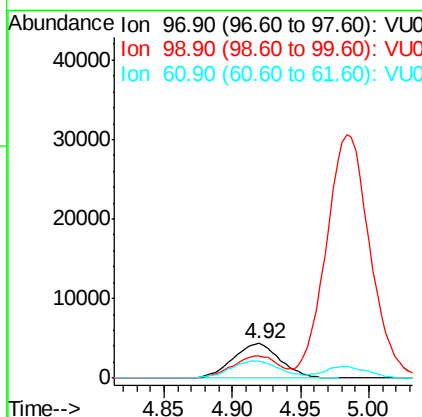
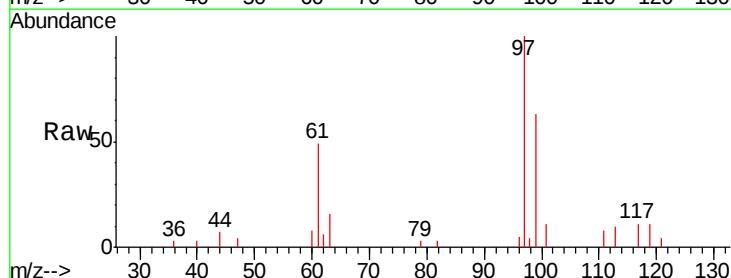
Manual Integrations  
APPROVED

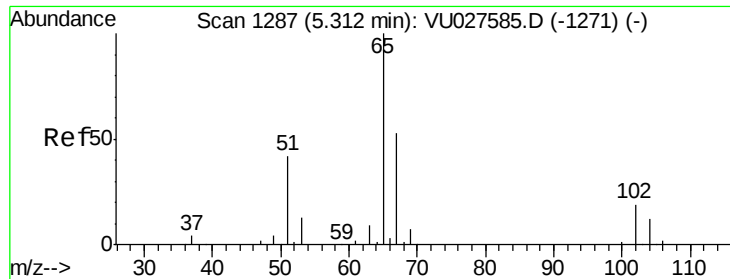
MMDadoda  
10/16/2018 2:22:49 PM



#32  
1,1,1-Trichloroethane  
Concen: 4.81 ug/l  
RT: 4.92 min Scan# 1165  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 62.1  | 51.1  | 76.7  |
| 61      | 52.1  | 39.6  | 59.4  |





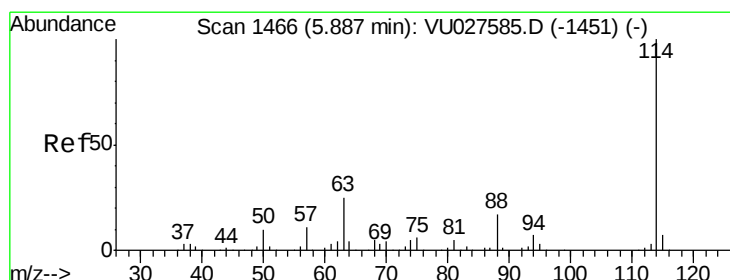
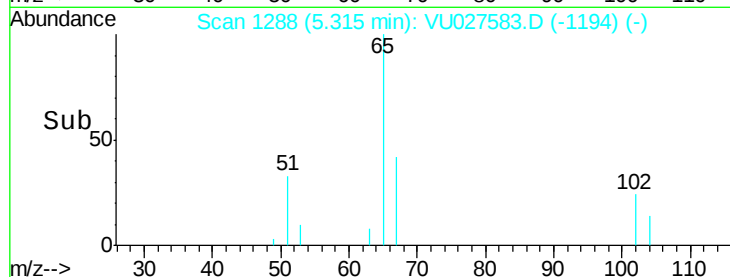
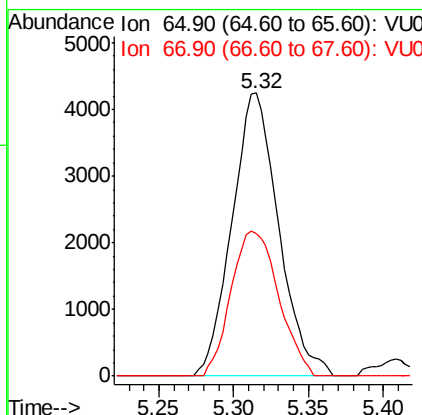
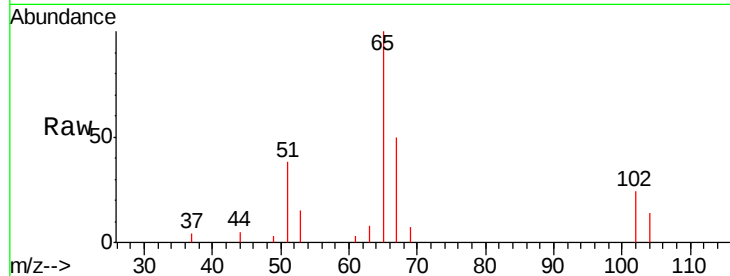
#33  
 1,2-Dichloroethane-d4  
 Concen: 4.99 ug/l  
 RT: 5.32 min Scan# 1288  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 65 Resp: 9234  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 107.8

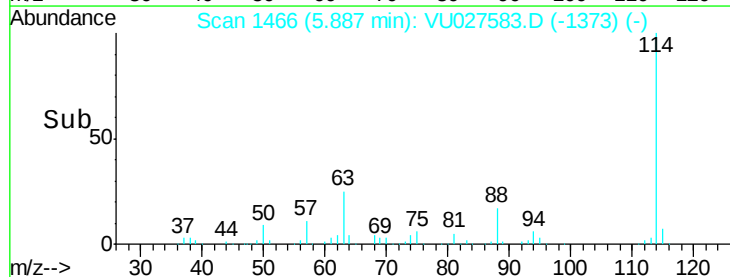
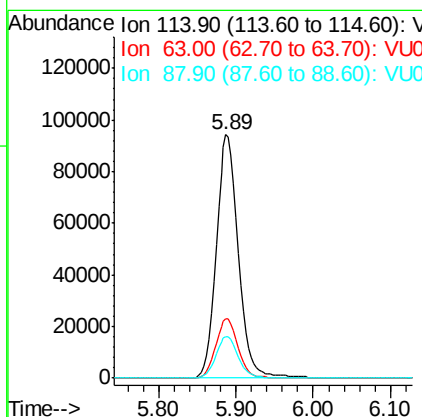
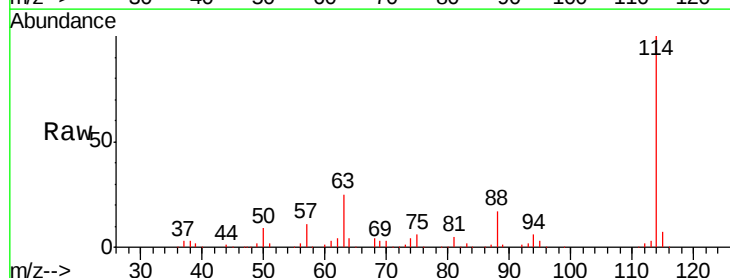
Manual Integrations  
 APPROVED

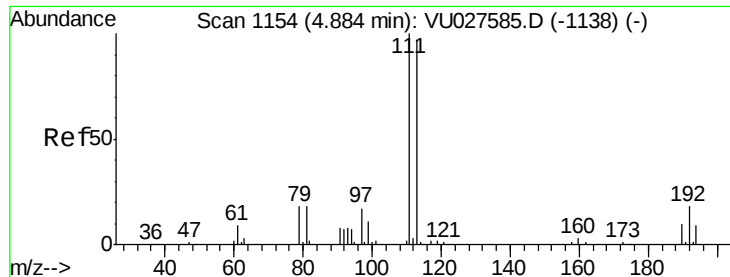
MMDadoda  
 10/16/2018 2:22:49 PM



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 5.89 min Scan# 1466  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Tgt Ion: 114 Resp: 188871  
 Ion Ratio Lower Upper  
 114 100  
 63 24.6 0.0 50.2  
 88 17.1 0.0 33.8





#35

Dibromofluoromethane

Concen: 5.11 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

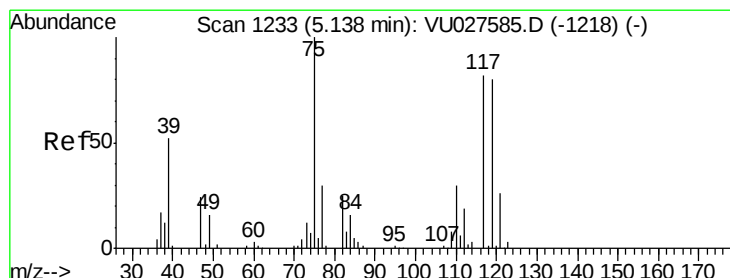
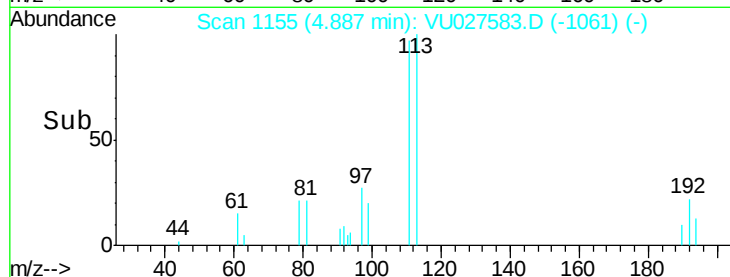
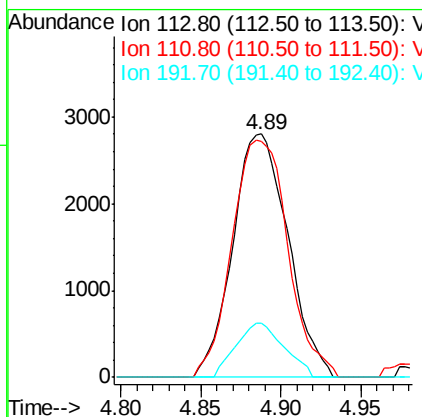
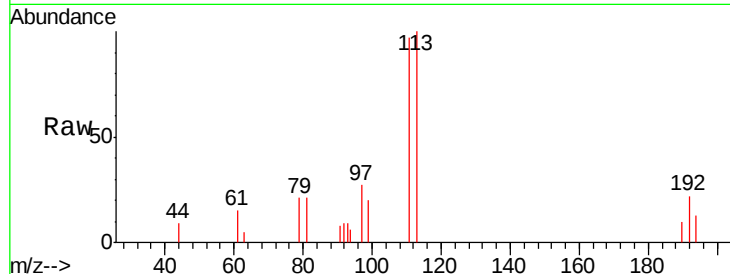
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 6614  |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 99.0  | 83.1  | 124.7 |
| 192      | 19.2  | 15.4  | 23.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#36

1,1-Dichloropropene

Concen: 4.73 ug/l

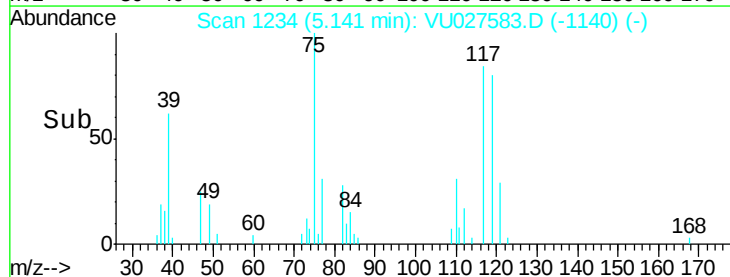
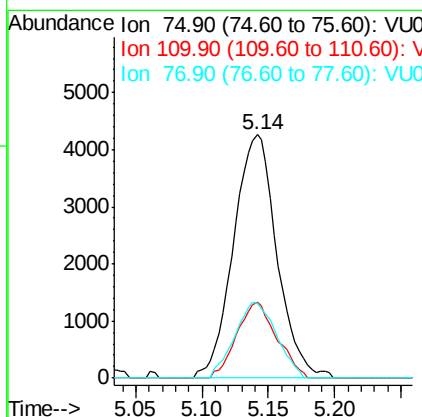
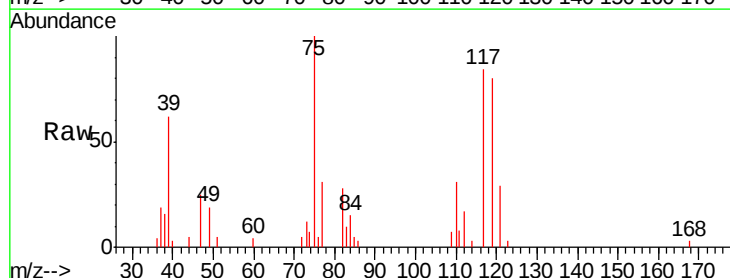
RT: 5.14 min Scan# 1234

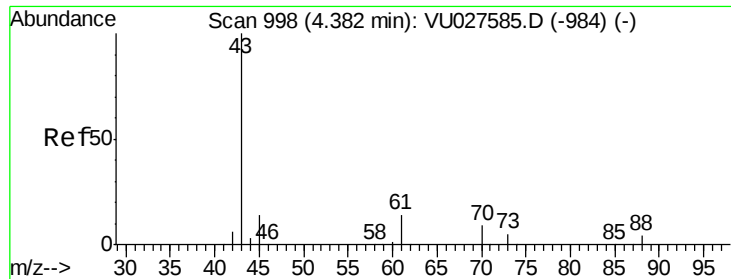
Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9707  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 28.7  | 15.5  | 46.5  |
| 77       | 29.7  | 25.4  | 38.0  |





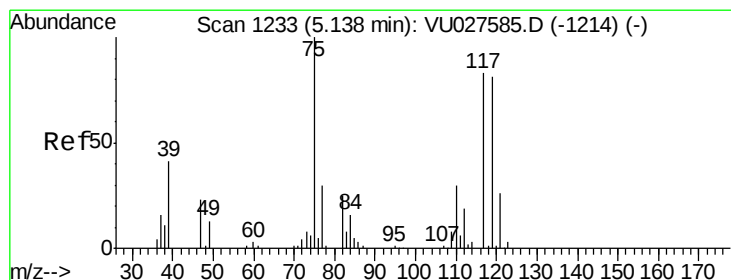
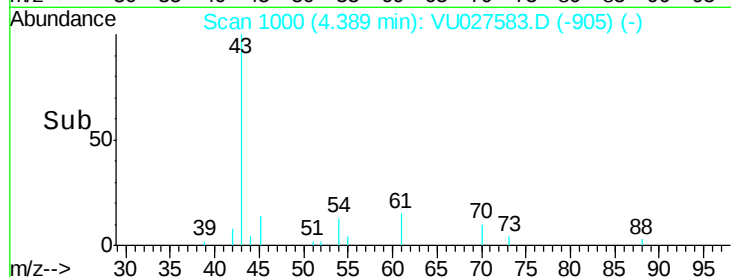
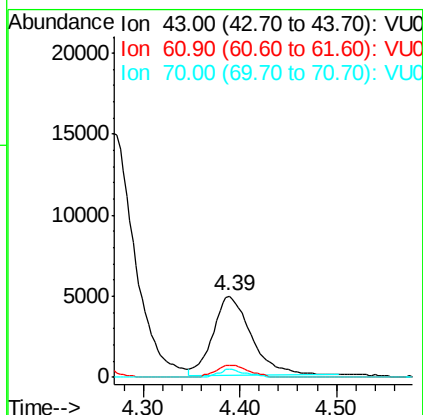
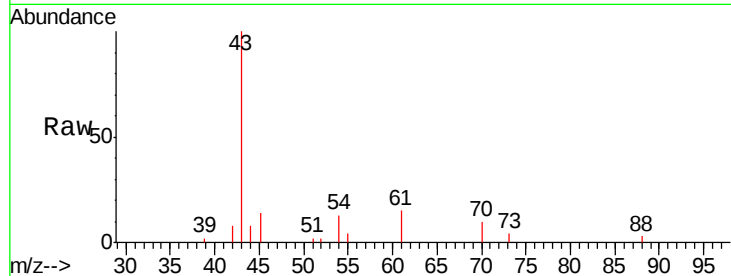
#37  
**Ethyl Acetate**  
 Concen: 5.19 ug/l  
 RT: 4.39 min Scan# 1000  
 Delta R.T. 0.01 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 12.5  | 10.7  | 16.1  |
| 70      | 7.1   | 7.4   | 11.2# |

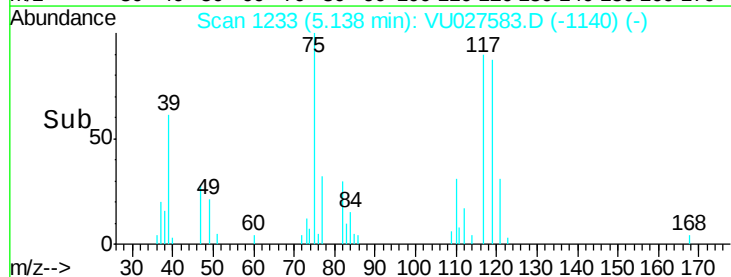
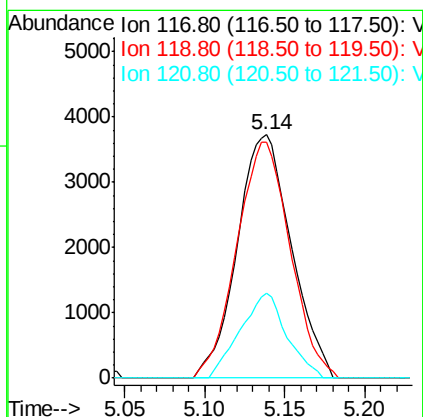
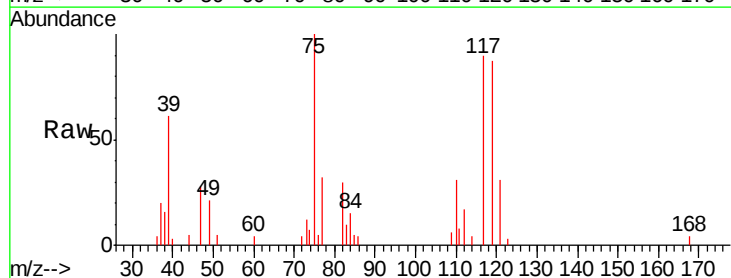
Manual Integrations  
 APPROVED

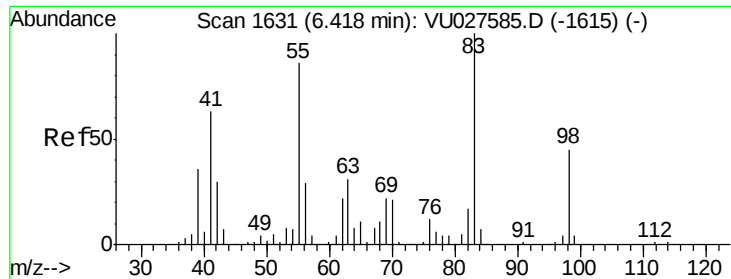
MMDadoda  
 10/16/2018 2:22:49 PM



#38  
**Carbon Tetrachloride**  
 Concen: 4.66 ug/l  
 RT: 5.14 min Scan# 1233  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.9  | 74.5  | 111.7 |
| 121     | 34.9  | 24.6  | 37.0  |





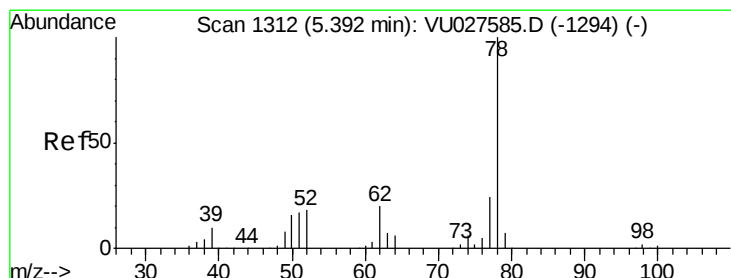
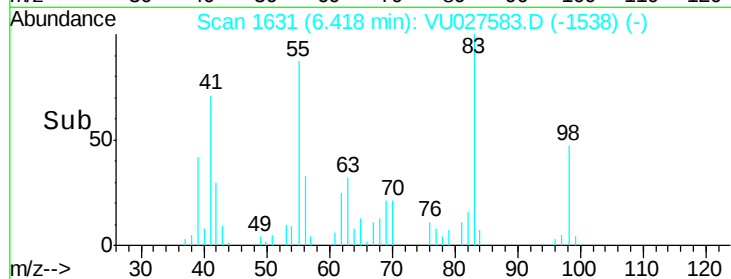
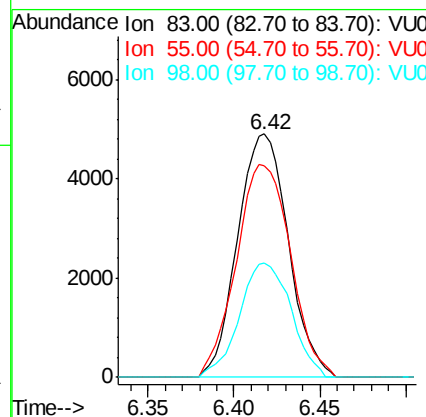
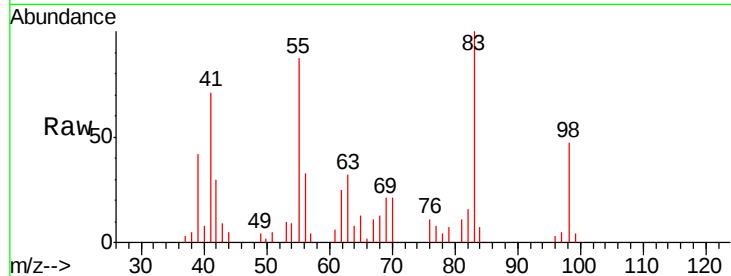
#39  
Methylcyclohexane  
Concen: 4.19 ug/l  
RT: 6.42 min Scan# 1631  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 87.0  | 71.1  | 106.7 |
| 98      | 47.2  | 36.3  | 54.5  |

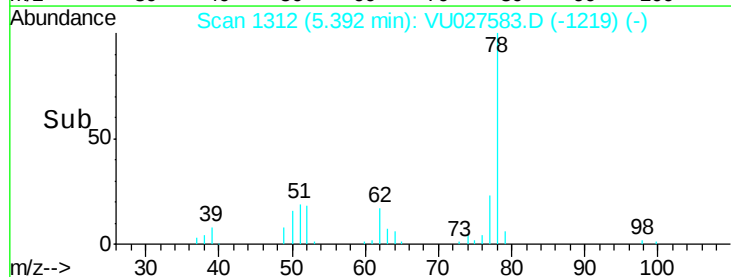
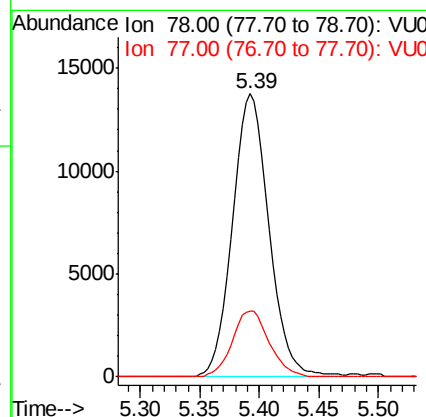
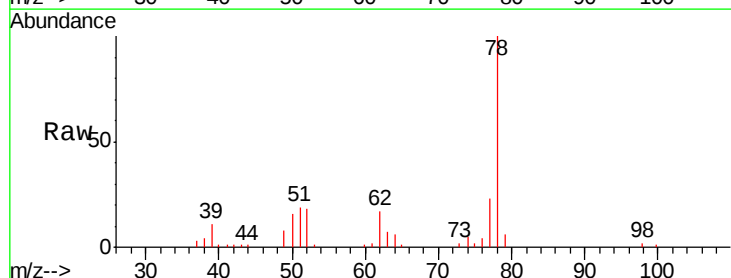
Manual Integrations  
APPROVED

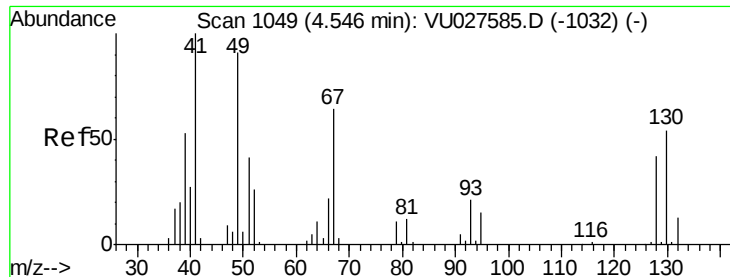
MMDadoda  
10/16/2018 2:22:49 PM



#40  
Benzene  
Concen: 4.90 ug/l  
RT: 5.39 min Scan# 1312  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 19.3  | 28.9  |





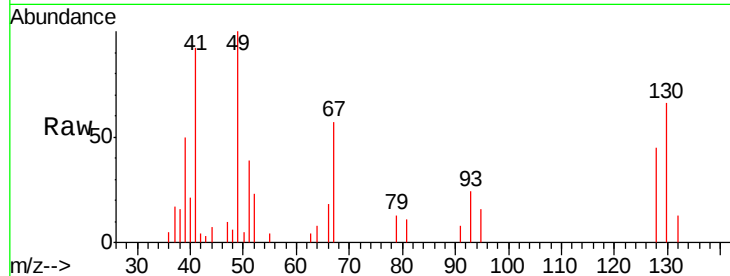
#41  
Methacrylonitrile  
Concen: 4.62 ug/l  
RT: 4.55 min Scan# 1051  
Delta R.T. 0.01 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

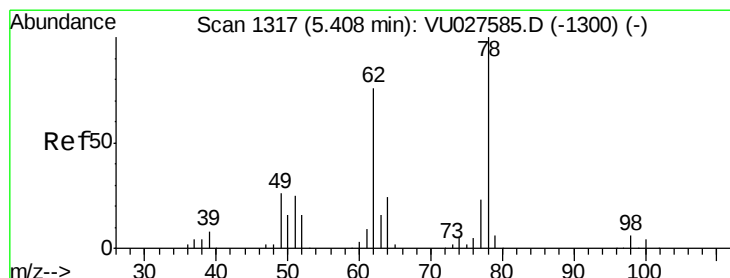
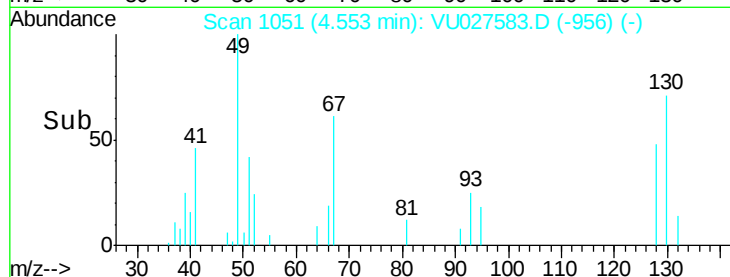
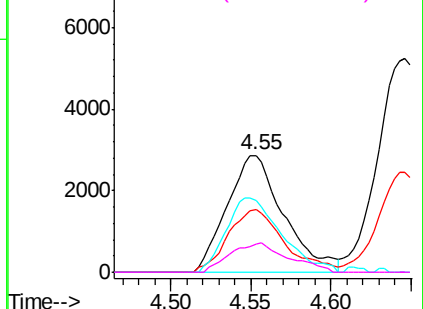
Tgt Ion: 41 Resp: 6928  
Ion Ratio Lower Upper  
41 100  
39 53.5 41.1 61.7  
67 61.8 50.4 75.6  
52 25.7 20.3 30.5

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM

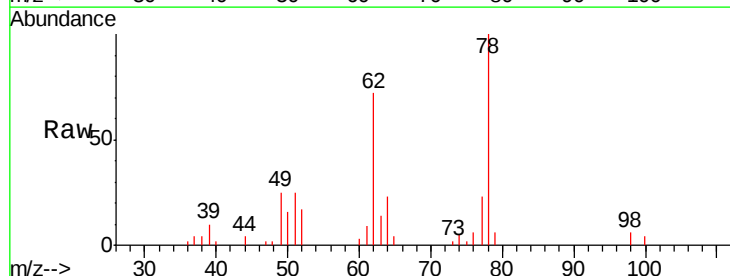


Abundance Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 67.00 (66.70 to 67.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0

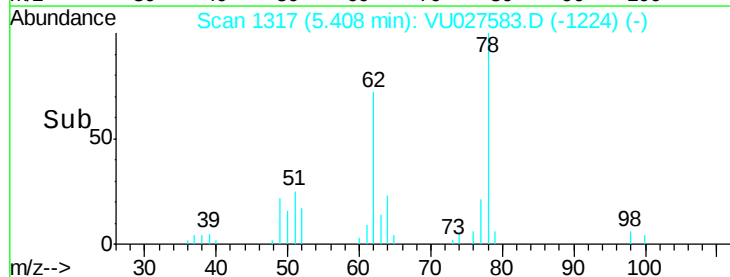
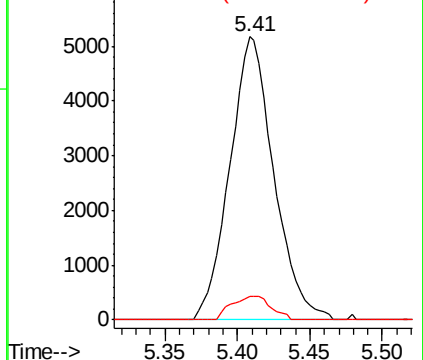


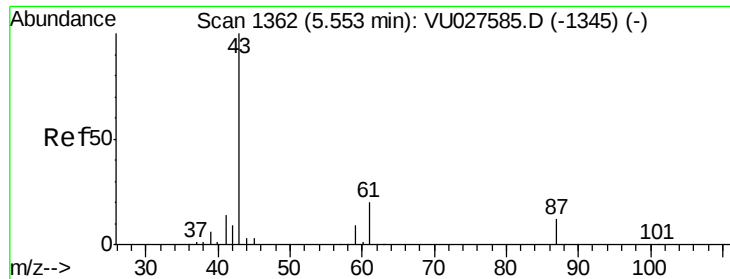
#42  
1,2-Dichloroethane  
Concen: 4.91 ug/l  
RT: 5.41 min Scan# 1317  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 62 Resp: 10896  
Ion Ratio Lower Upper  
62 100  
98 7.5 0.0 16.8



Abundance Ion 61.90 (61.60 to 62.60): VU0  
Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 4.57 ug/l

RT: 5.55 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

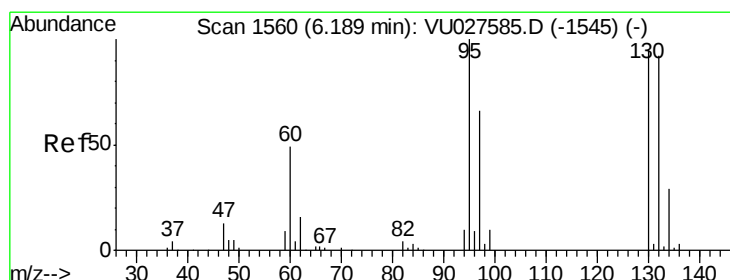
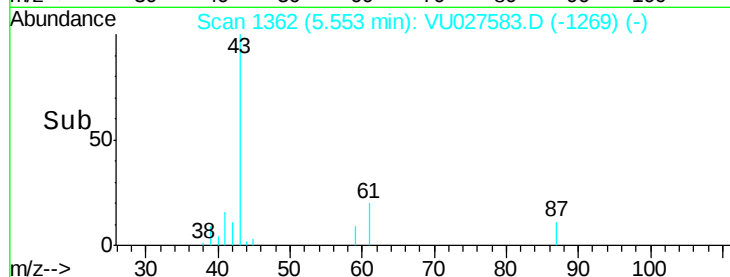
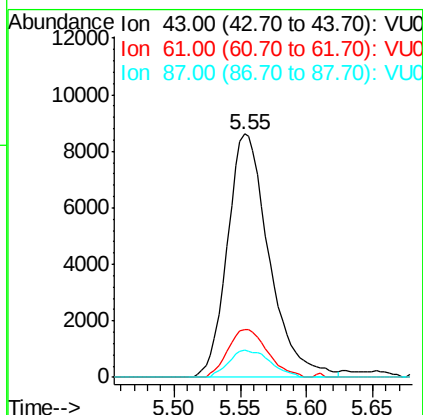
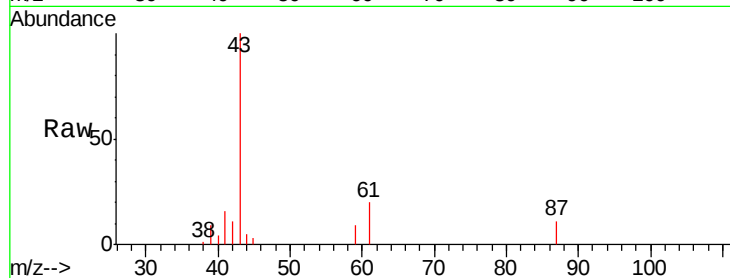
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 18826 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 18.6  | 15.3  | 22.9  |
| 87       | 11.0  | 8.6   | 13.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#44

Trichloroethene

Concen: 4.94 ug/l

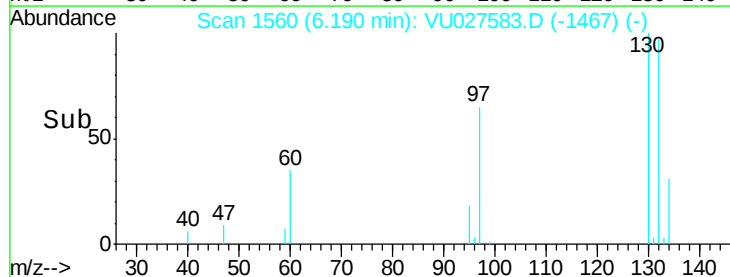
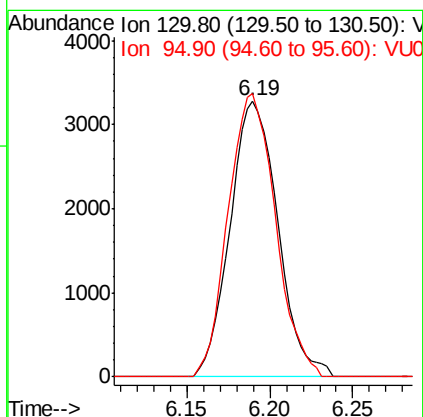
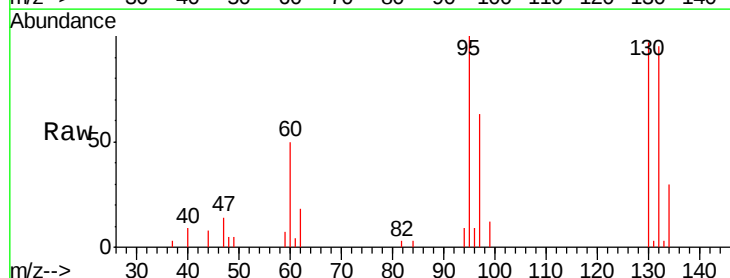
RT: 6.19 min Scan# 1560

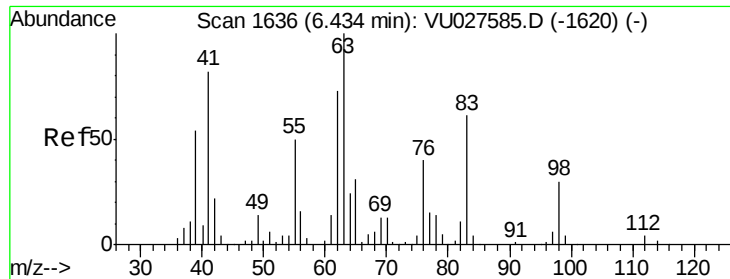
Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 6582  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 102.6 | 0.0   | 207.0 |





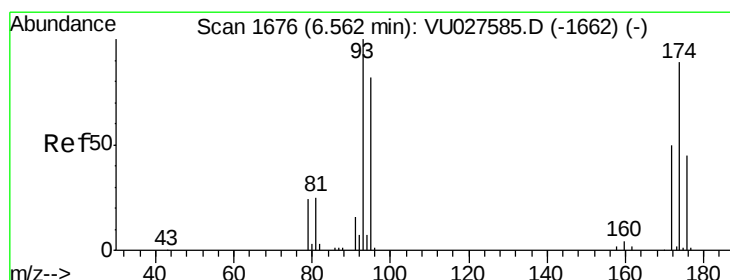
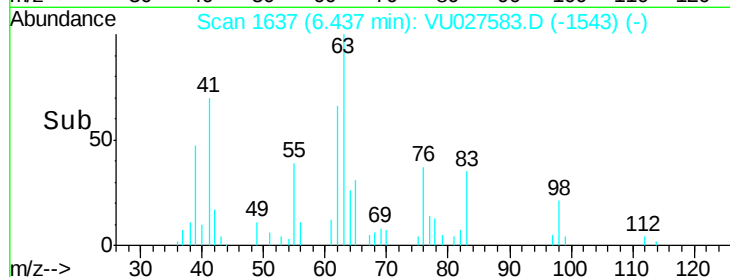
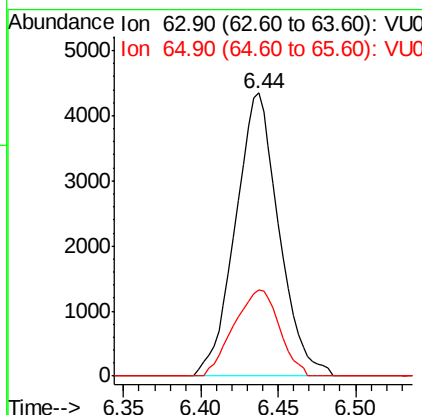
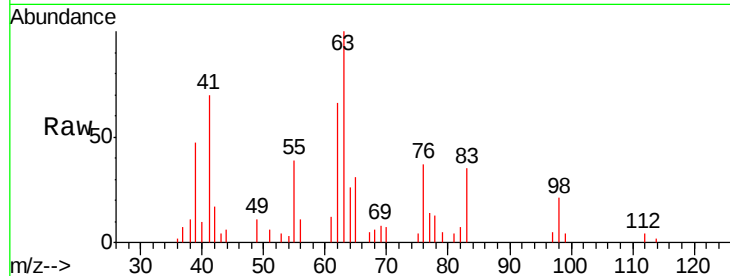
#45  
 1,2-Dichloropropane  
 Concen: 4.94 ug/l  
 RT: 6.44 min Scan# 1637  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 63 Resp: 8507  
 Ion Ratio Lower Upper  
 63 100  
 65 30.6 26.0 39.0

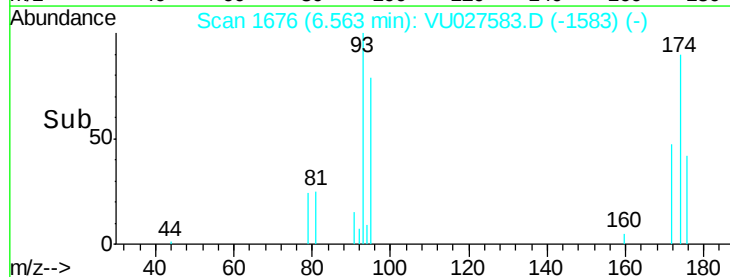
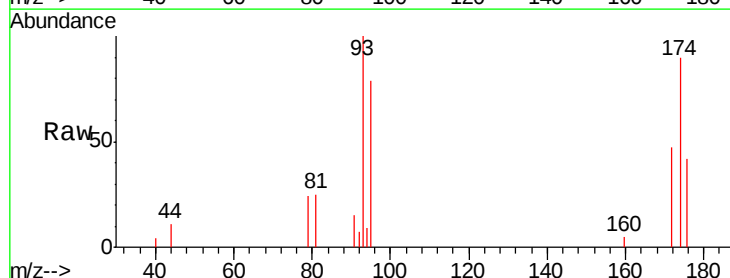
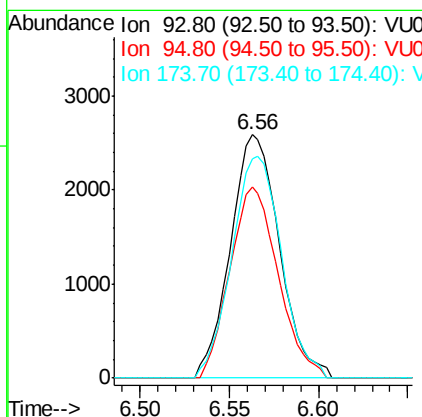
Manual Integrations  
 APPROVED

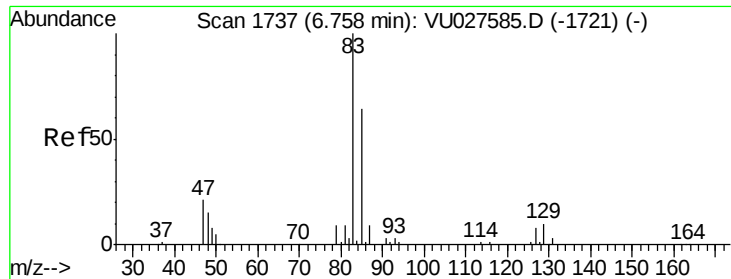
MMDadoda  
 10/16/2018 2:22:49 PM



#46  
 Dibromomethane  
 Concen: 5.08 ug/l  
 RT: 6.56 min Scan# 1676  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Tgt Ion: 93 Resp: 4947  
 Ion Ratio Lower Upper  
 93 100  
 95 77.4 66.5 99.7  
 174 92.5 72.5 108.7





#47

Bromodichloromethane

Concen: 4.73 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

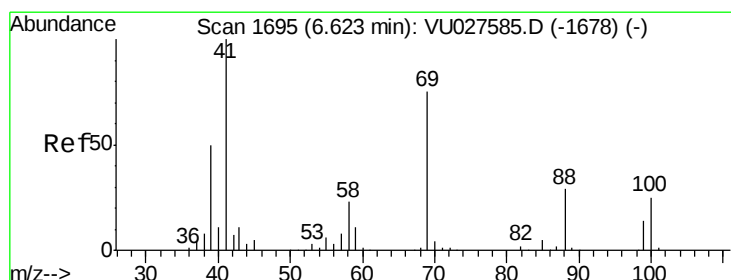
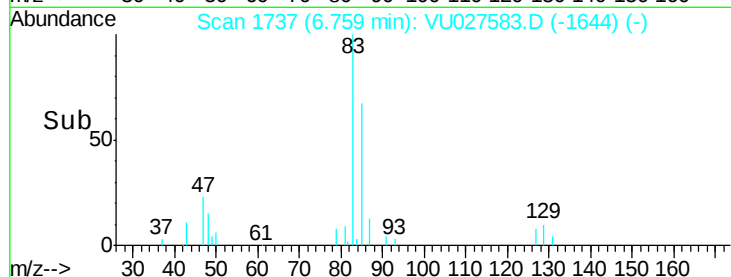
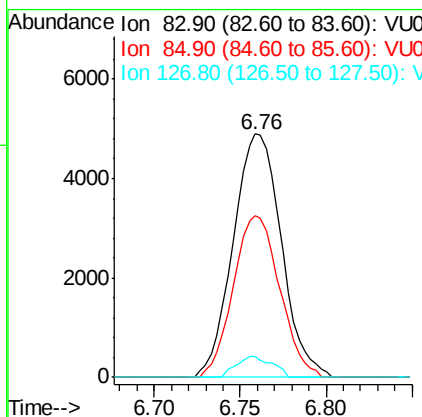
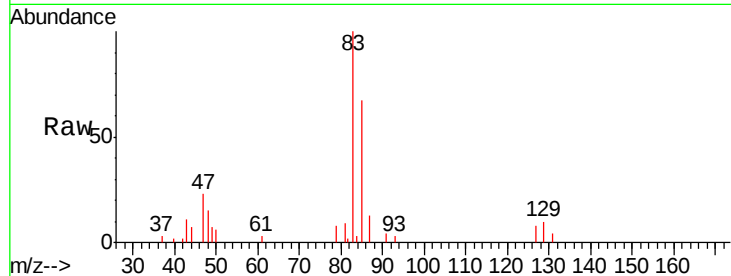
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 9547  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.6  | 51.4  | 77.0  |
| 127      | 8.4   | 6.3   | 9.5   |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#48

Methyl methacrylate

Concen: 4.38 ug/l

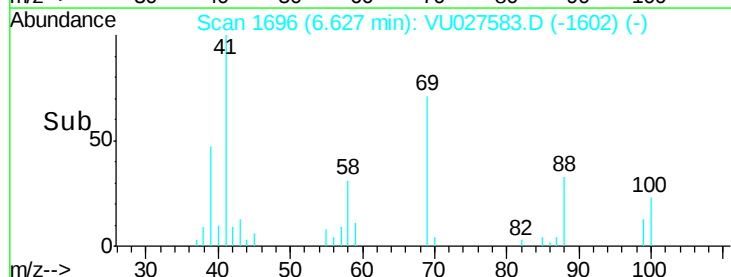
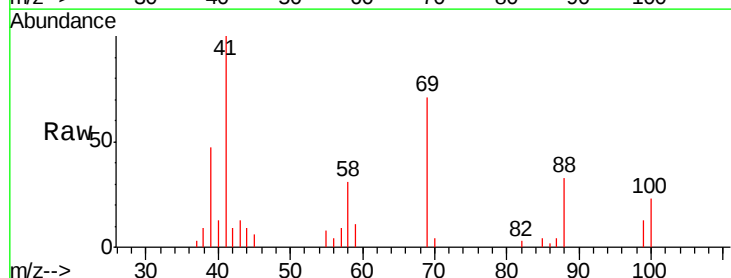
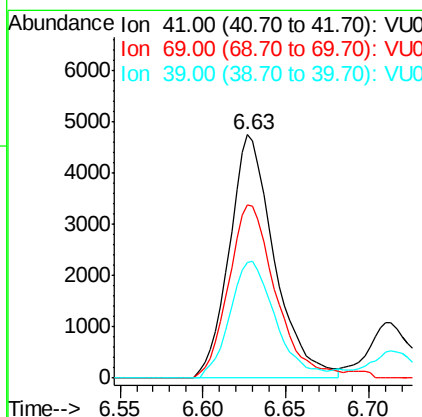
RT: 6.63 min Scan# 1696

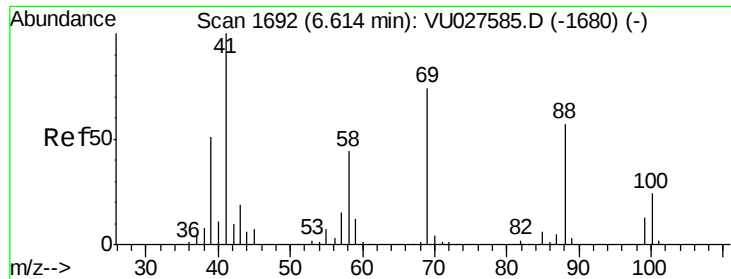
Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 8971  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 74.2  | 61.0  | 91.4  |
| 39       | 48.5  | 39.9  | 59.9  |





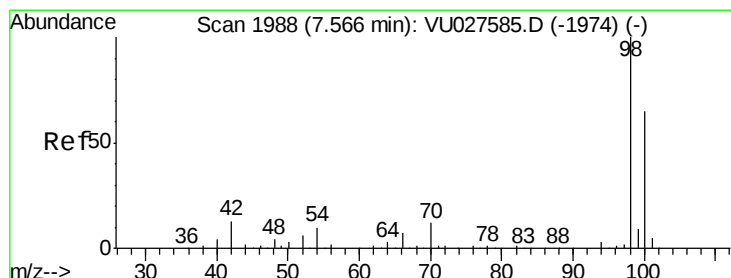
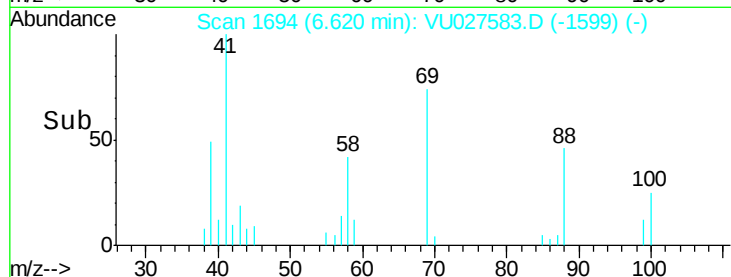
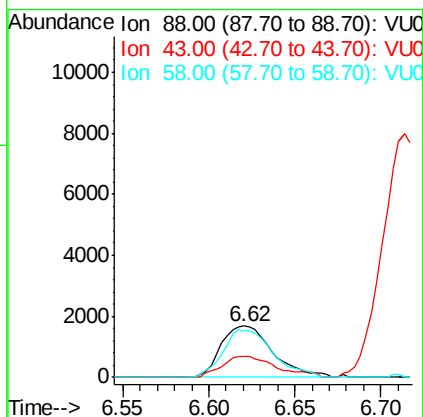
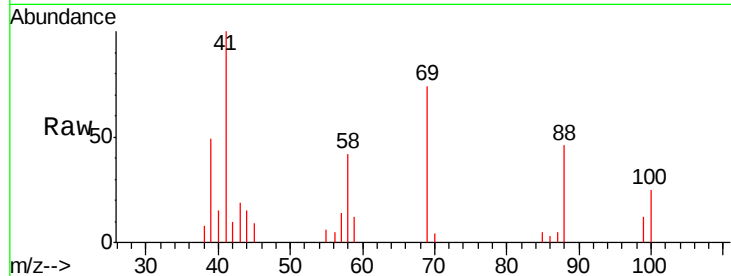
#49  
1,4-Dioxane  
Concen: 100.14 ug/l  
RT: 6.62 min Scan# 1694  
Delta R.T. 0.01 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 88 Resp: 3527  
Ion Ratio Lower Upper  
88 100  
43 43.5 30.8 46.2  
58 89.8 67.0 100.6

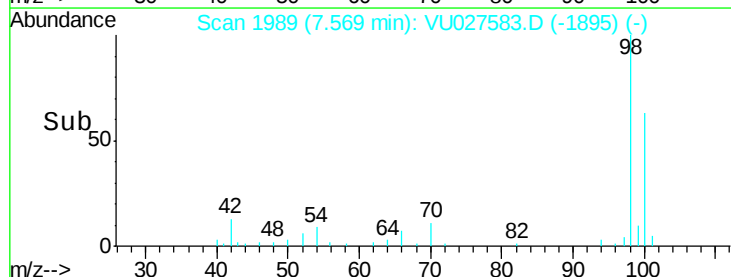
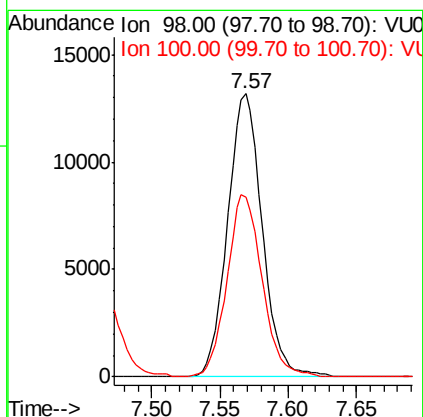
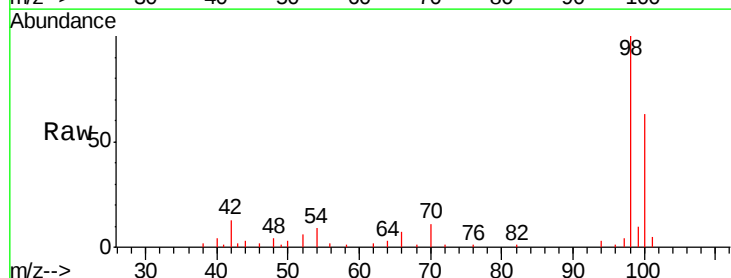
Manual Integrations  
APPROVED

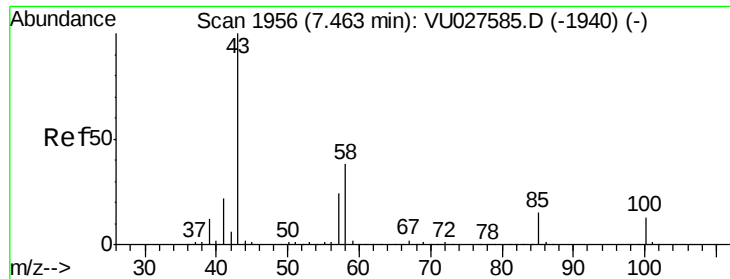
MMDadoda  
10/16/2018 2:22:49 PM



#50  
Toluene-d8  
Concen: 4.80 ug/l  
RT: 7.57 min Scan# 1989  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 98 Resp: 23238  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.1 78.1





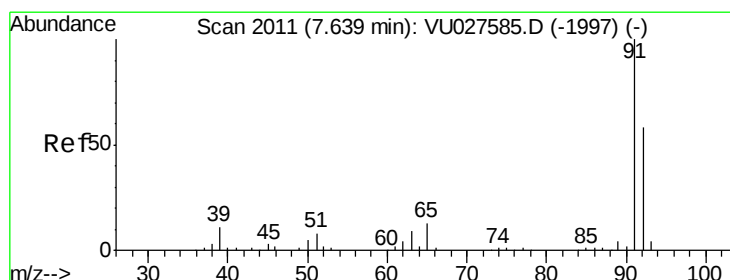
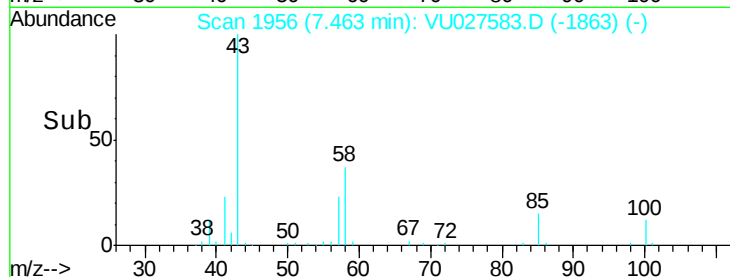
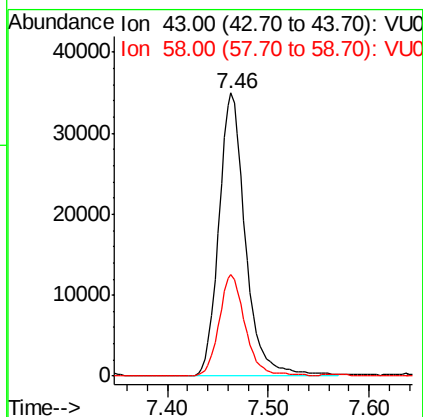
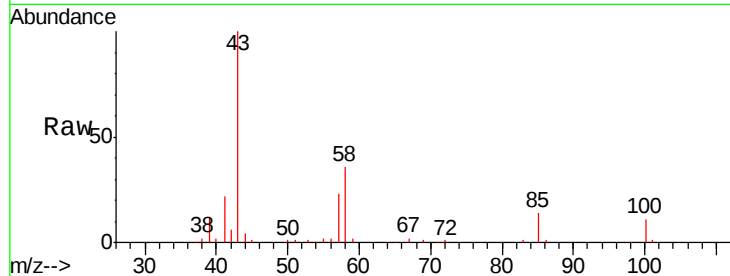
#51  
4-Methyl-2-Pentanone  
Concen: 24.12 ug/l  
RT: 7.46 min Scan# 1956  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 43 Resp: 64507  
Ion Ratio Lower Upper  
43 100  
58 35.4 29.8 44.8

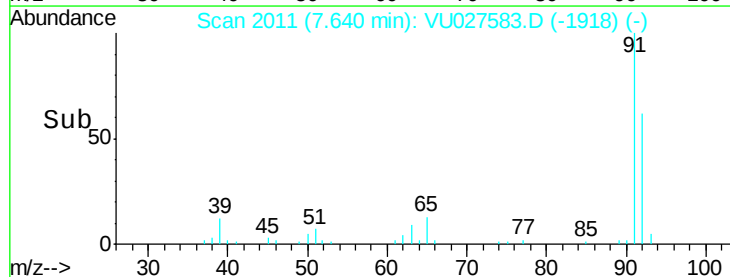
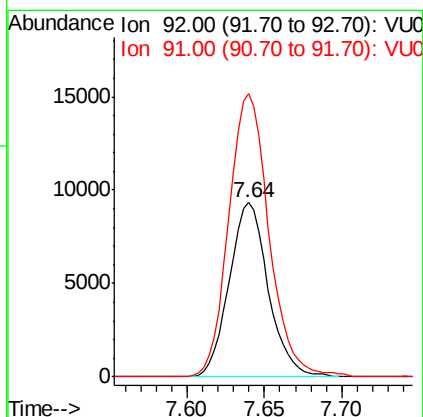
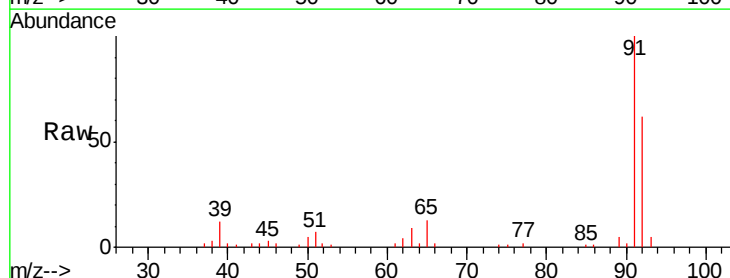
Manual Integrations  
APPROVED

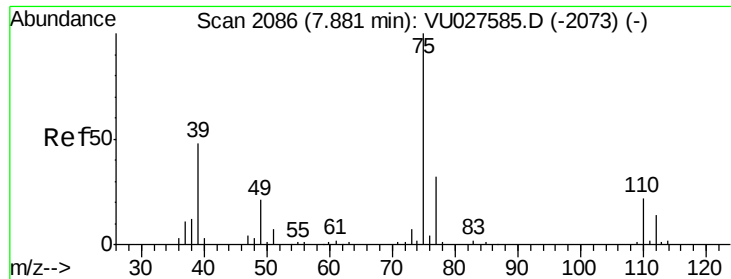
MMDadoda  
10/16/2018 2:22:49 PM



#52  
Toluene  
Concen: 4.61 ug/l  
RT: 7.64 min Scan# 2011  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 92 Resp: 16314  
Ion Ratio Lower Upper  
92 100  
91 167.9 138.6 208.0





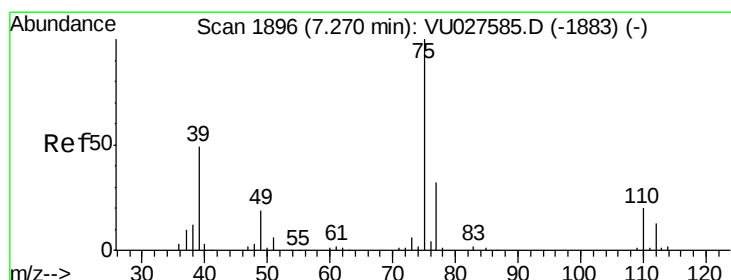
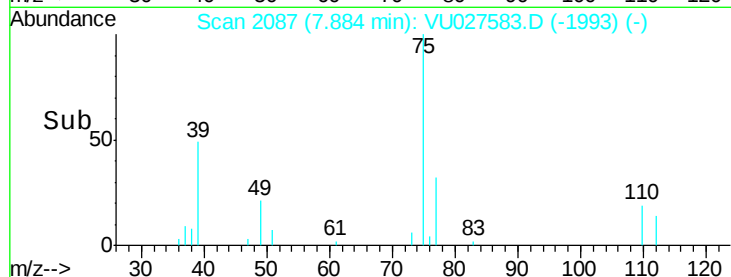
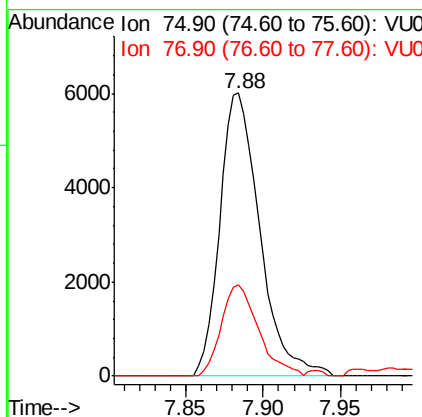
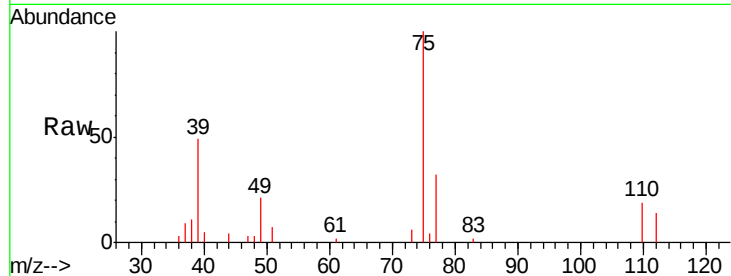
#53  
t-1,3-Dichloropropene  
Concen: 4.55 ug/l  
RT: 7.88 min Scan# 2087  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 75 Resp: 10770  
Ion Ratio Lower Upper  
75 100  
77 32.4 25.0 37.6

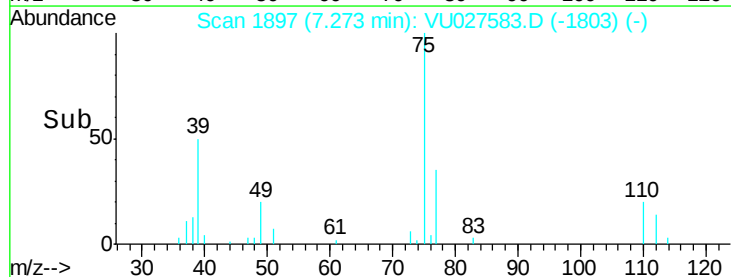
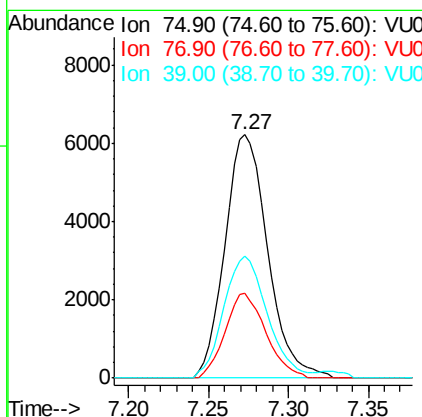
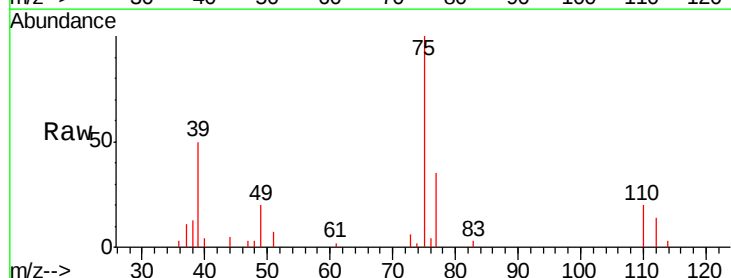
Manual Integrations  
APPROVED

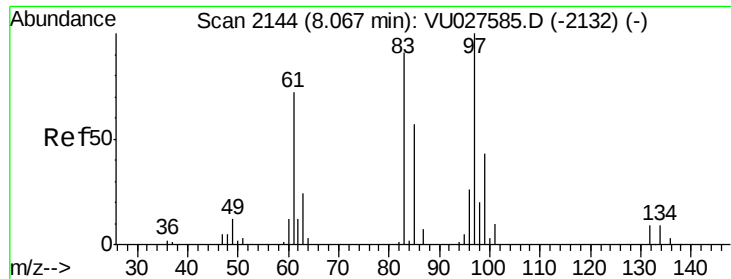
MMDadoda  
10/16/2018 2:22:49 PM



#54  
cis-1,3-Dichloropropene  
Concen: 4.46 ug/l  
RT: 7.27 min Scan# 1897  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 75 Resp: 11347  
Ion Ratio Lower Upper  
75 100  
77 34.8 24.5 36.7  
39 50.1 40.1 60.1





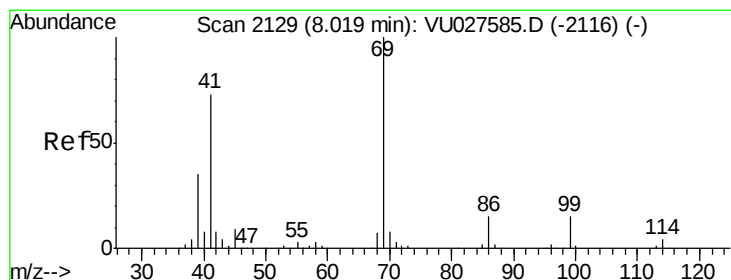
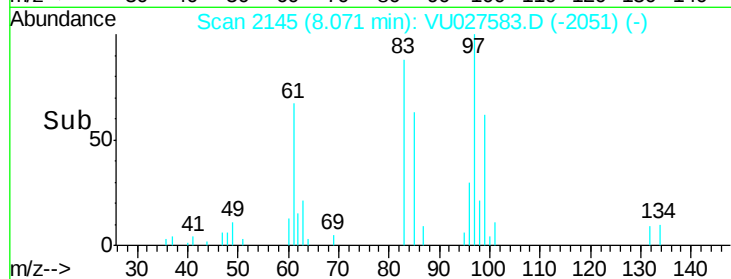
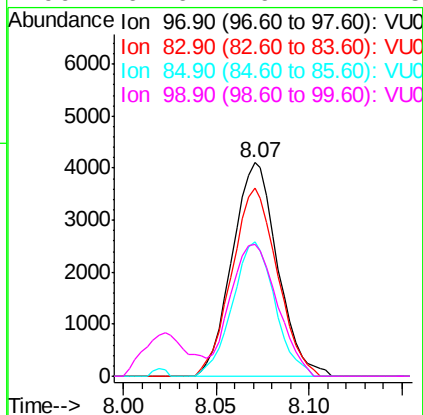
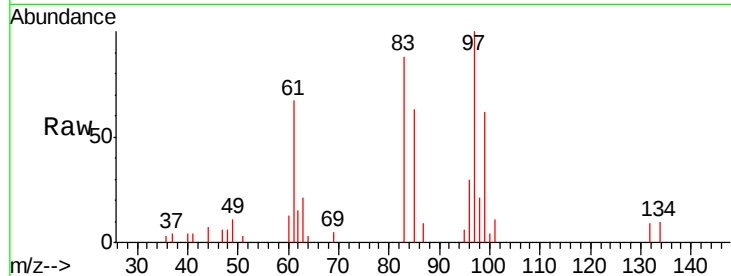
#55  
 1,1,2-Trichloroethane  
 Concen: 4.99 ug/l  
 RT: 8.07 min Scan# 2145  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 6989  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 87.9  | 73.0  | 109.6 |
| 85       | 62.8  | 47.3  | 70.9  |
| 99       | 61.6  | 49.7  | 74.5  |

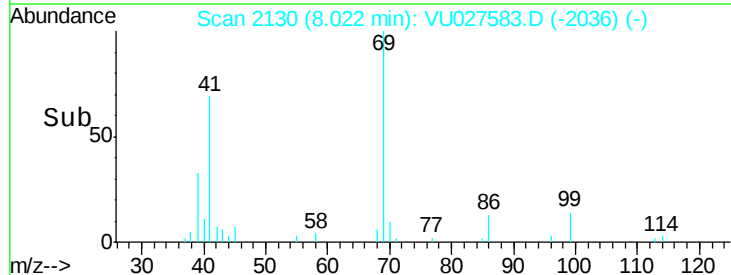
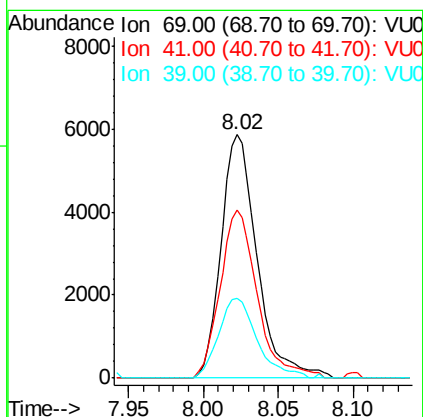
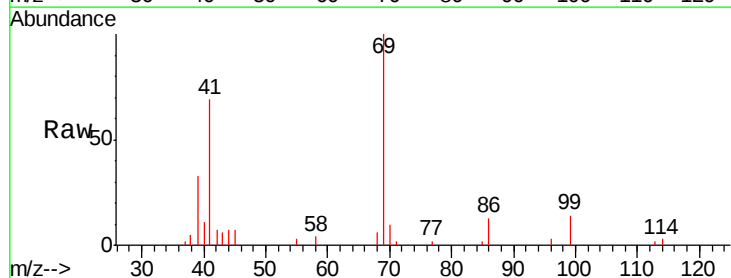
Manual Integrations  
 APPROVED

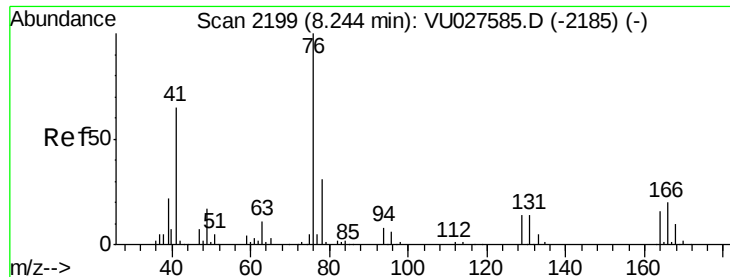
MMDadoda  
 10/16/2018 2:22:49 PM



#56  
 Ethyl methacrylate  
 Concen: 4.23 ug/l  
 RT: 8.02 min Scan# 2130  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 9830  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.1  | 60.0  | 90.0  |
| 39       | 35.1  | 29.5  | 44.3  |





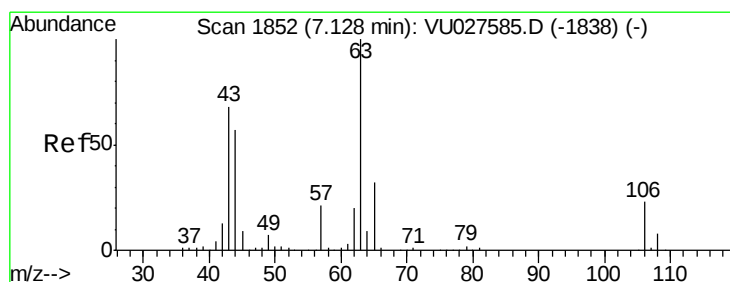
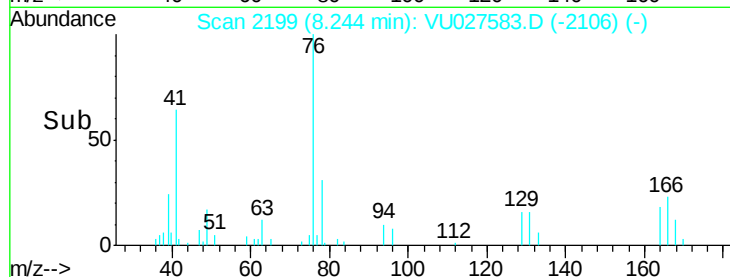
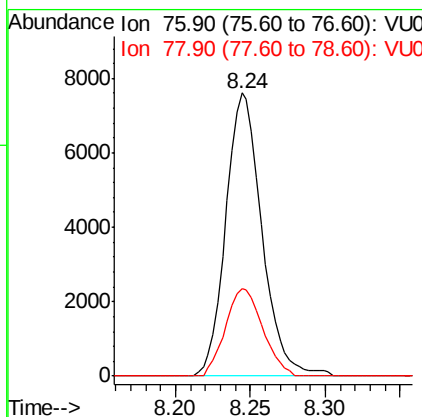
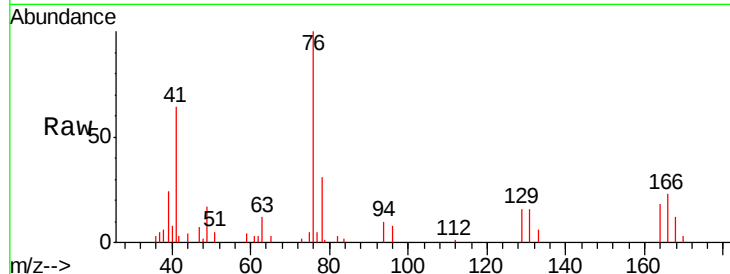
#57  
 1,3-Dichloropropane  
 Concen: 4.70 ug/l  
 RT: 8.24 min Scan# 2199  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 76 Resp: 12786  
 Ion Ratio Lower Upper  
 76 100  
 78 31.7 25.8 38.6

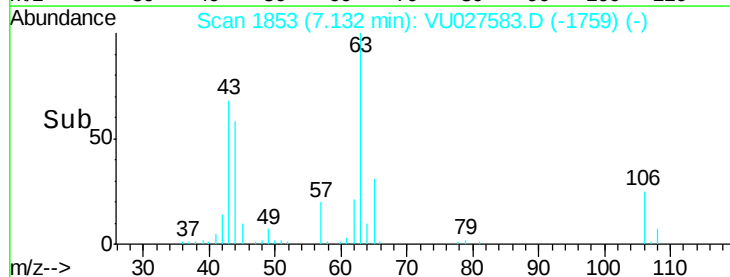
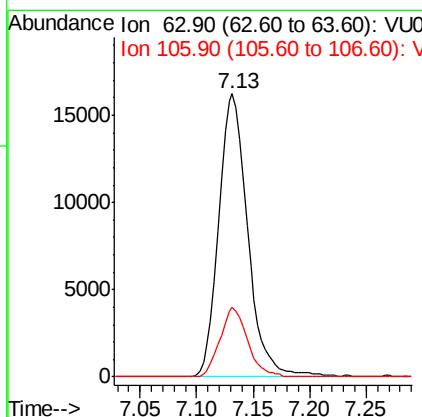
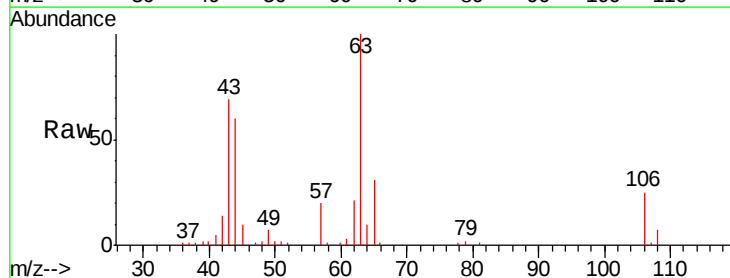
Manual Integrations  
 APPROVED

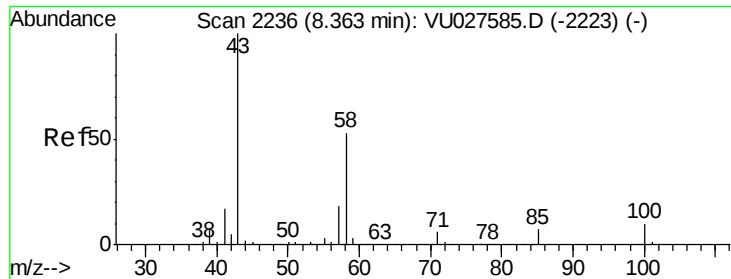
MMDadoda  
 10/16/2018 2:22:49 PM



#58  
 2-Chloroethyl Vinyl ether  
 Concen: 22.34 ug/l  
 RT: 7.13 min Scan# 1853  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Tgt Ion: 63 Resp: 29034  
 Ion Ratio Lower Upper  
 63 100  
 106 23.2 18.5 27.7





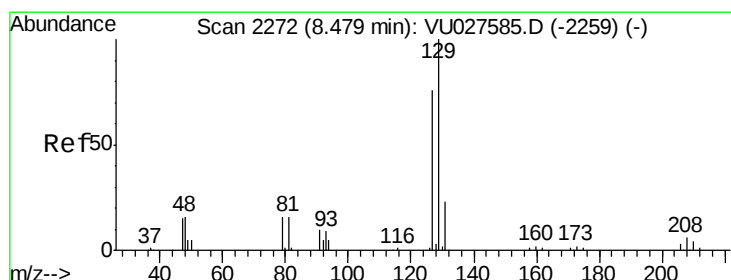
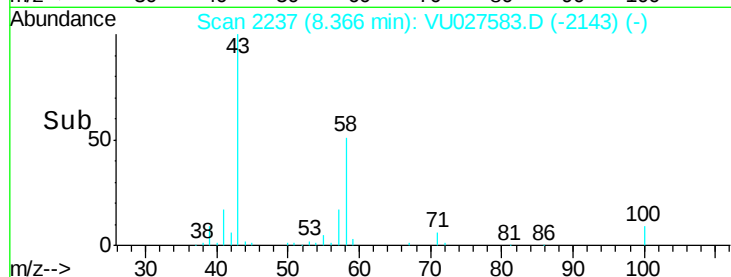
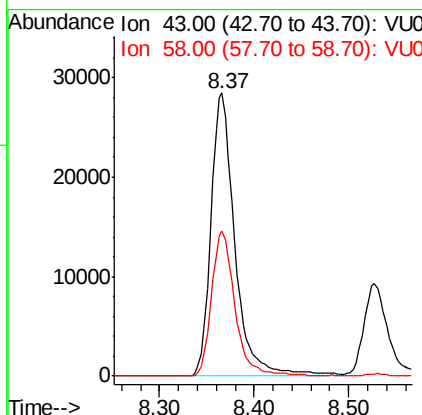
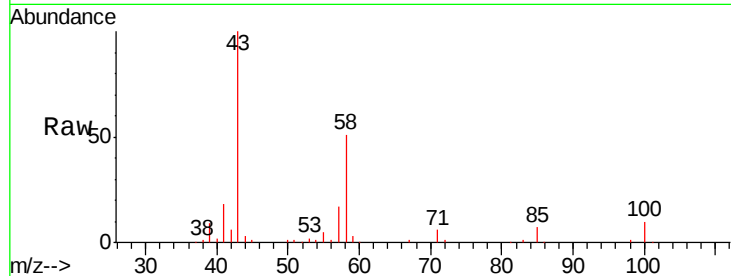
#59  
2-Hexanone  
Concen: 24.14 ug/l  
RT: 8.37 min Scan# 2237  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 43 Resp: 50081  
Ion Ratio Lower Upper  
43 100  
58 50.3 26.1 78.3

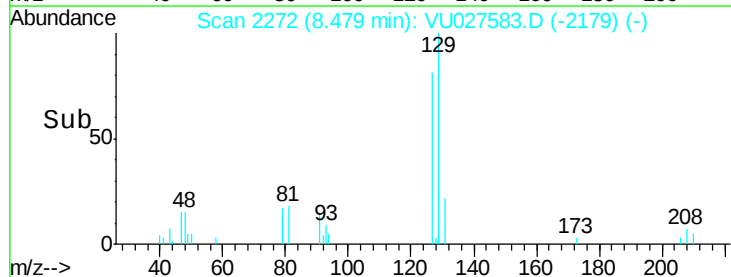
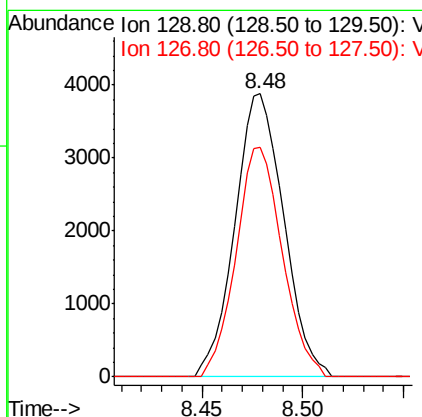
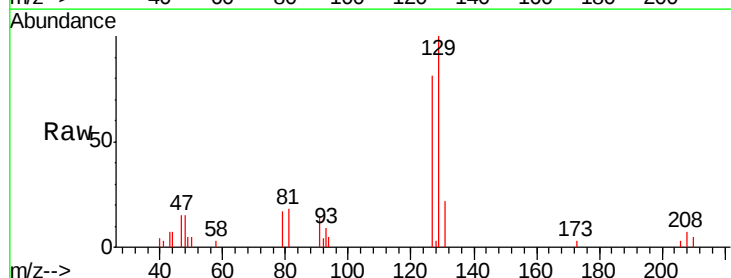
Manual Integrations  
APPROVED

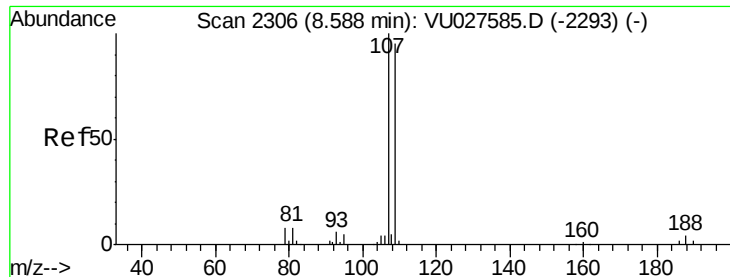
MMDadoda  
10/16/2018 2:22:49 PM



#60  
Dibromochloromethane  
Concen: 4.68 ug/l  
RT: 8.48 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 129 Resp: 6584  
Ion Ratio Lower Upper  
129 100  
127 76.8 39.1 117.2





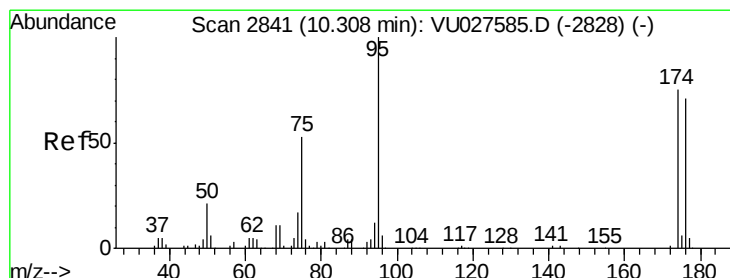
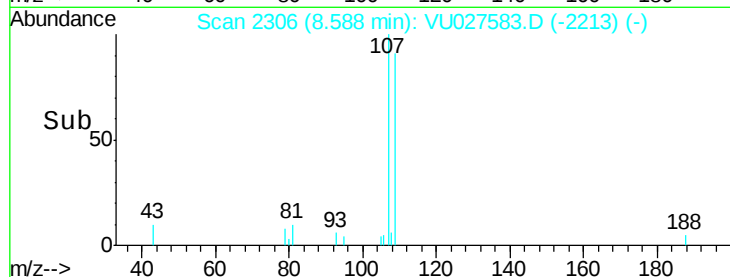
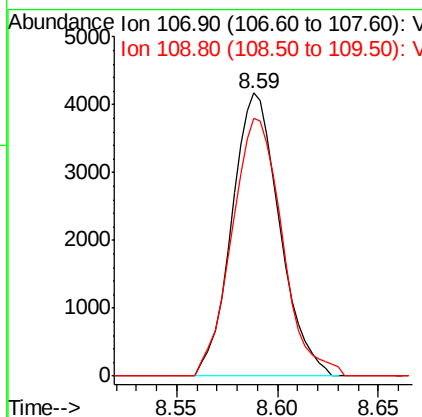
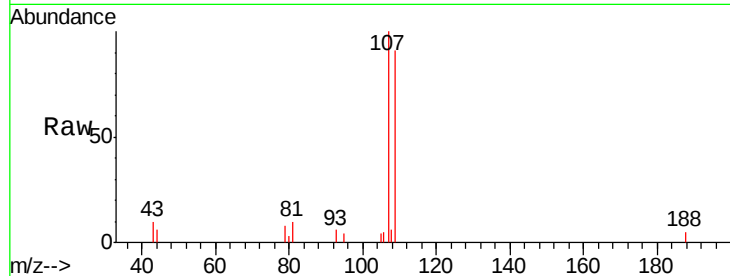
#61  
 1,2-Dibromoethane  
 Concen: 4.65 ug/l  
 RT: 8.59 min Scan# 2306  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Tgt Ion: 107 Resp: 6928  
 Ion Ratio Lower Upper  
 107 100  
 109 95.8 74.5 111.7

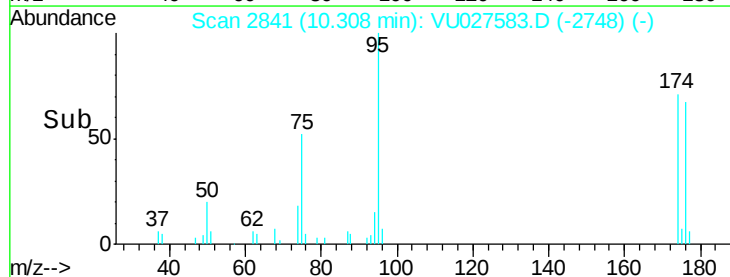
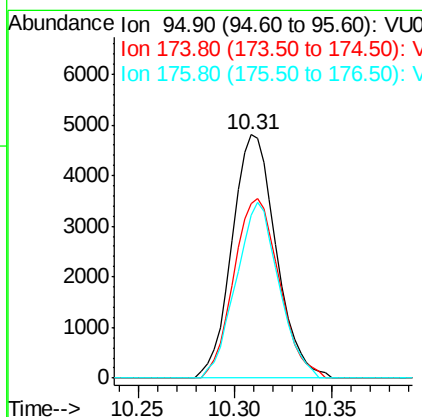
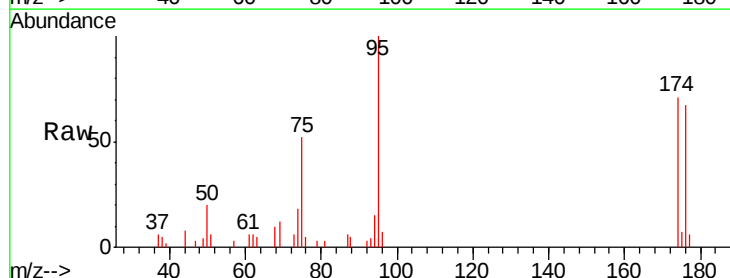
Manual Integrations  
 APPROVED

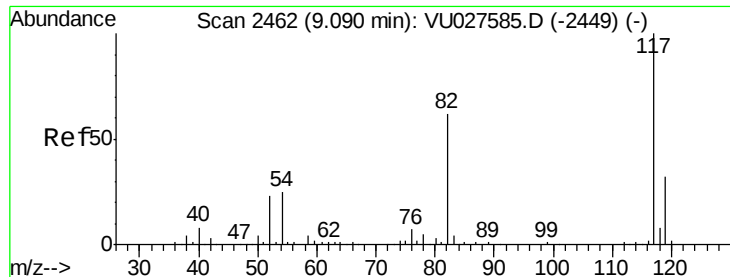
MMDadoda  
 10/16/2018 2:22:49 PM



#62  
 4-Bromofluorobenzene  
 Concen: 4.24 ug/l  
 RT: 10.31 min Scan# 2841  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Tgt Ion: 95 Resp: 7629  
 Ion Ratio Lower Upper  
 95 100  
 174 75.7 0.0 147.8  
 176 70.2 0.0 140.8





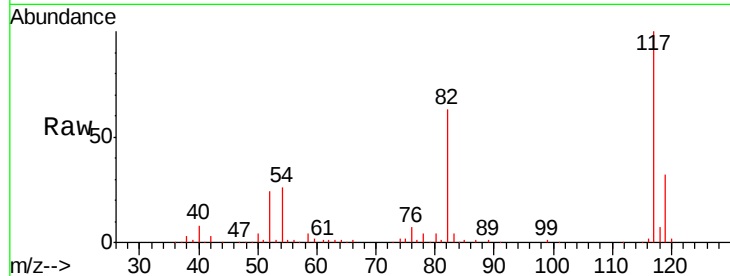
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 9.09 min Scan# 2462  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

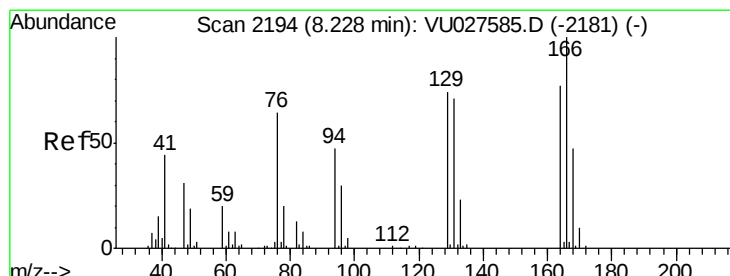
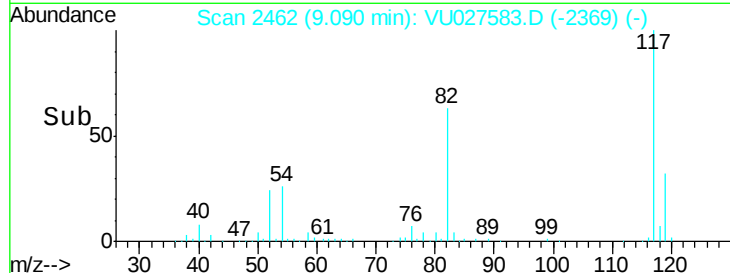
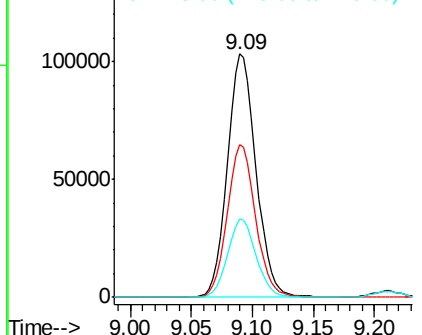
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 169420 |       |       |
| 82      | 62.9  | 49.2   | 73.8  |       |
| 119     | 32.0  | 25.7   | 38.5  |       |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



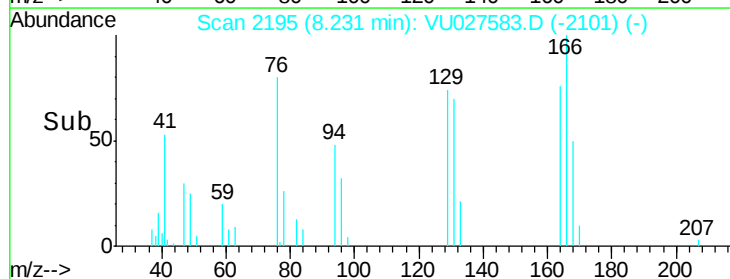
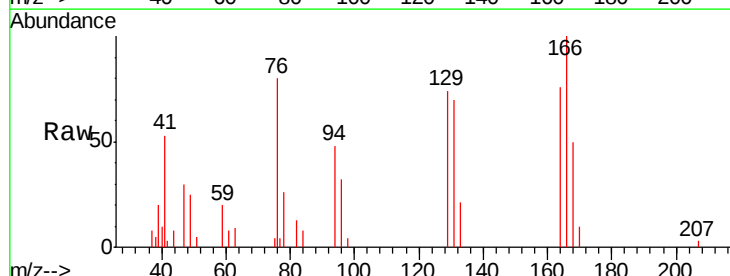
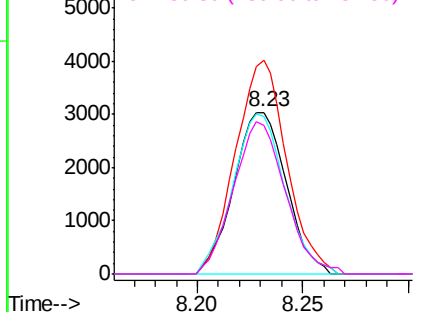
Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): V  
Ion 118.90 (118.60 to 119.60): V

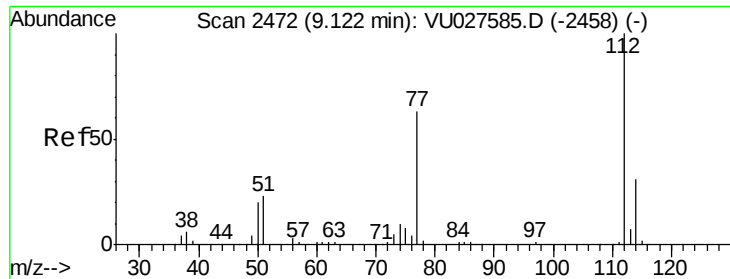


#64  
Tetrachloroethene  
Concen: 4.97 ug/l  
RT: 8.23 min Scan# 2195  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 164     | 100   | 5246  |       |       |
| 166     | 132.1 | 101.0 | 151.6 |       |
| 129     | 97.3  | 78.0  | 117.0 |       |
| 131     | 91.8  | 72.6  | 109.0 |       |

Abundance Ion 163.80 (163.50 to 164.50): V  
Ion 165.80 (165.50 to 166.50): V  
Ion 128.80 (128.50 to 129.50): V  
Ion 130.80 (130.50 to 131.50): V





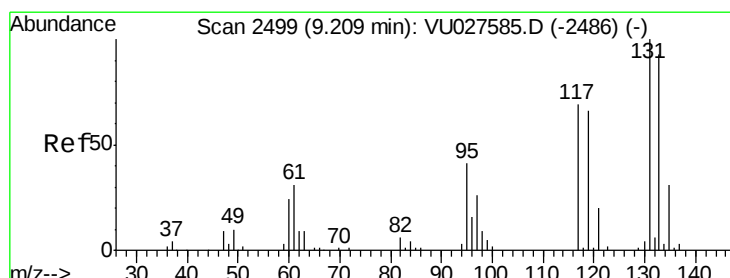
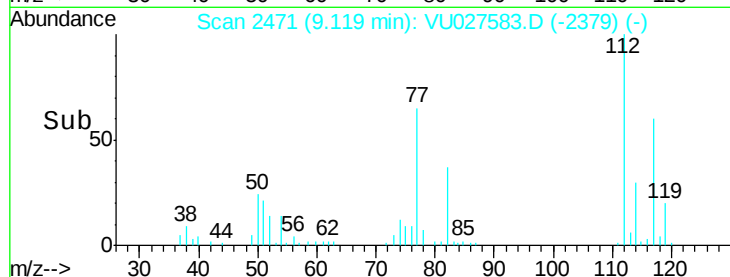
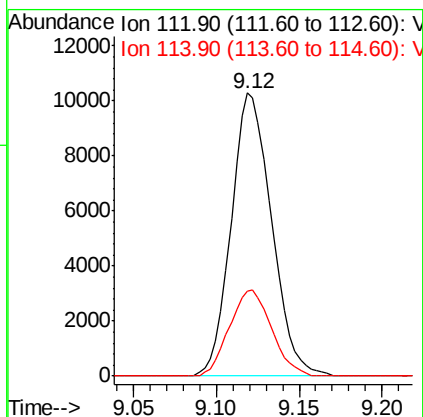
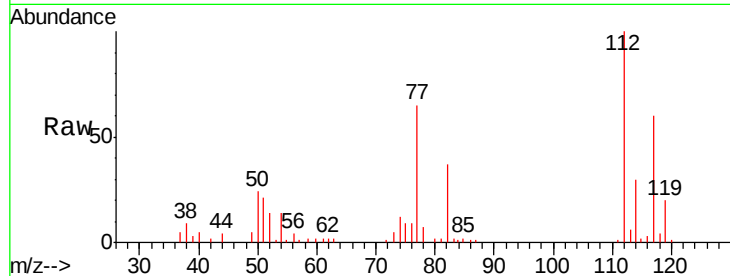
#65  
Chlorobenzene  
Concen: 4.89 ug/l  
RT: 9.12 min Scan# 2471  
Delta R.T. -0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion:112 Resp: 17447  
Ion Ratio Lower Upper  
112 100  
114 30.2 25.8 38.6

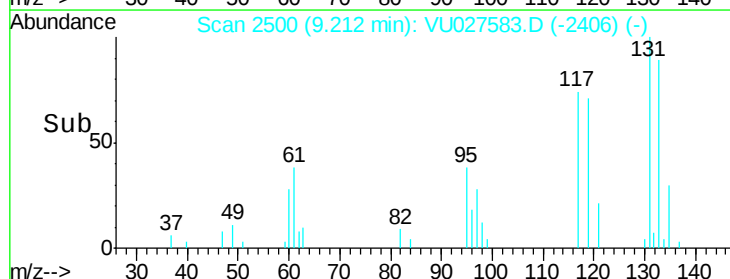
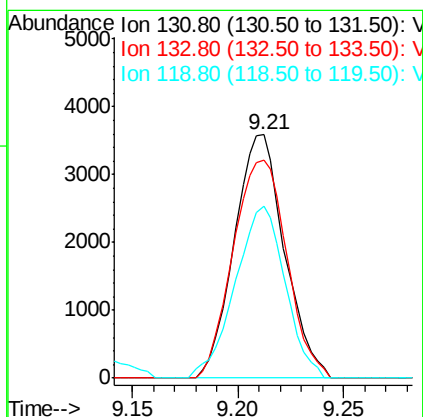
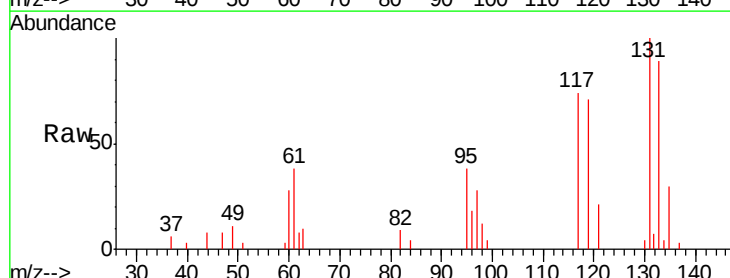
Manual Integrations  
APPROVED

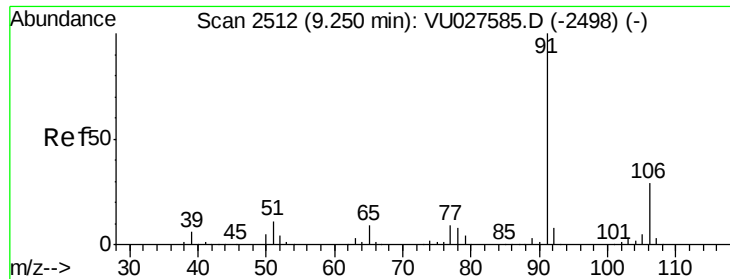
MMDadoda  
10/16/2018 2:22:49 PM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.82 ug/l  
RT: 9.21 min Scan# 2500  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion:131 Resp: 5935  
Ion Ratio Lower Upper  
131 100  
133 95.7 48.5 145.6  
119 70.2 33.5 100.4





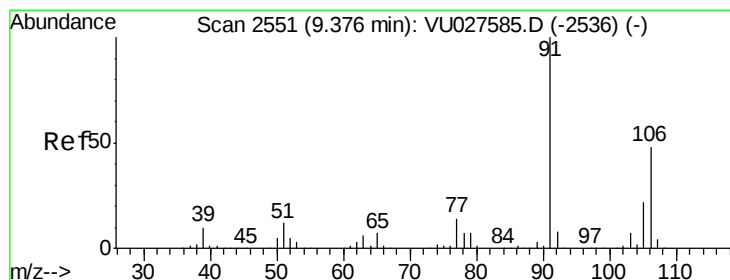
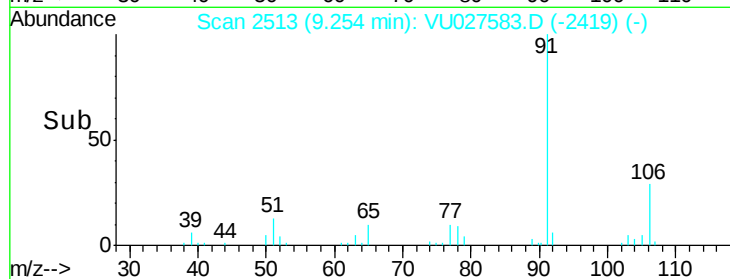
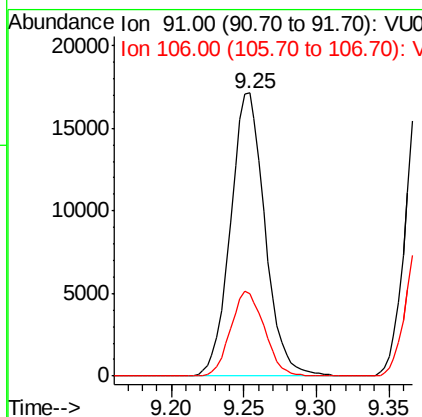
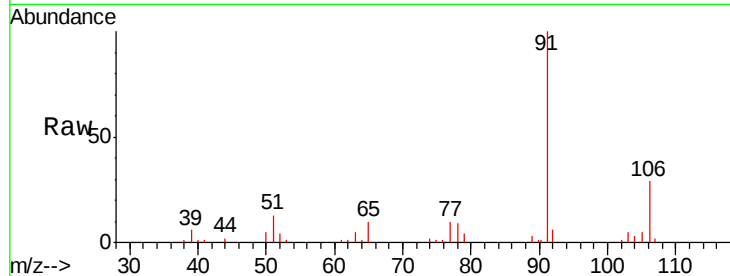
#67  
Ethyl Benzene  
Concen: 4.47 ug/l  
RT: 9.25 min Scan# 2513  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 28241  
Ion Ratio Lower Upper  
91 100  
106 29.1 23.6 35.4

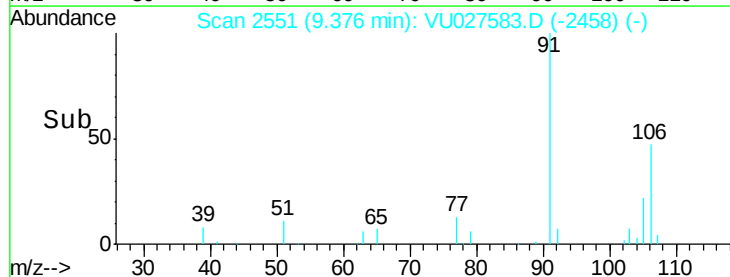
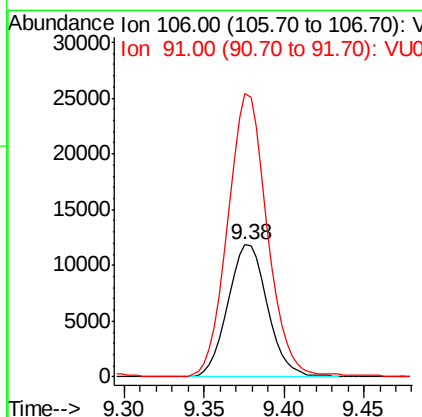
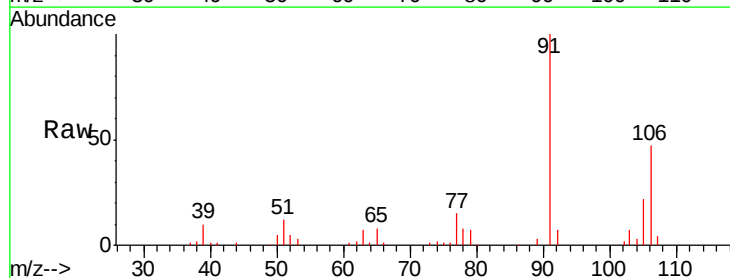
Manual Integrations  
APPROVED

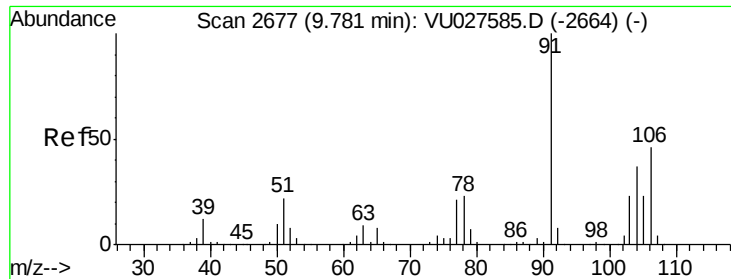
MMDadoda  
10/16/2018 2:22:49 PM



#68  
m/p-Xylenes  
Concen: 8.62 ug/l  
RT: 9.38 min Scan# 2551  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 106 Resp: 19933  
Ion Ratio Lower Upper  
106 100  
91 214.6 168.1 252.1





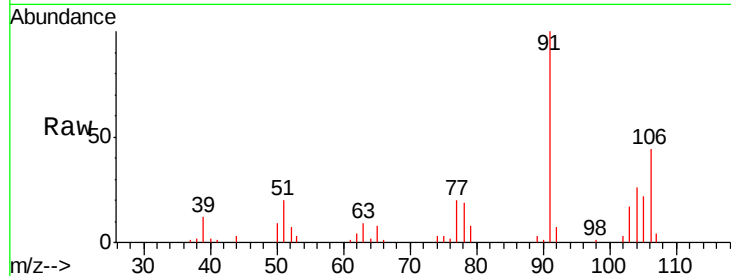
#69  
o-Xylene  
Concen: 4.49 ug/l  
RT: 9.78 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

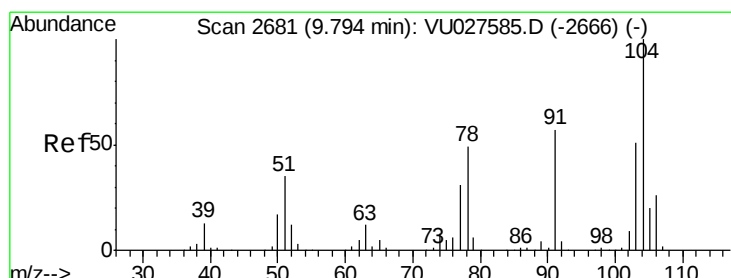
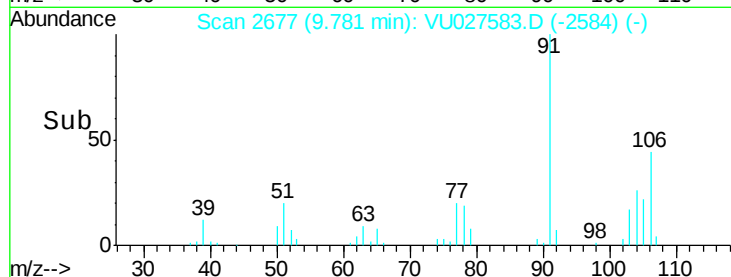
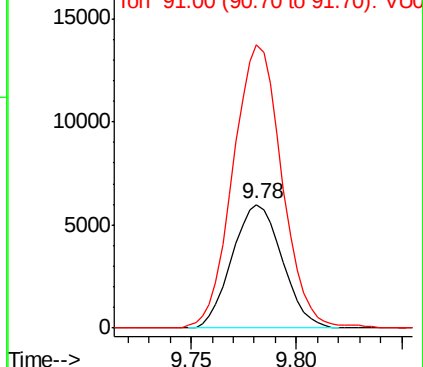
Tgt Ion:106 Resp: 9870  
Ion Ratio Lower Upper  
106 100  
91 224.6 111.7 334.9

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM

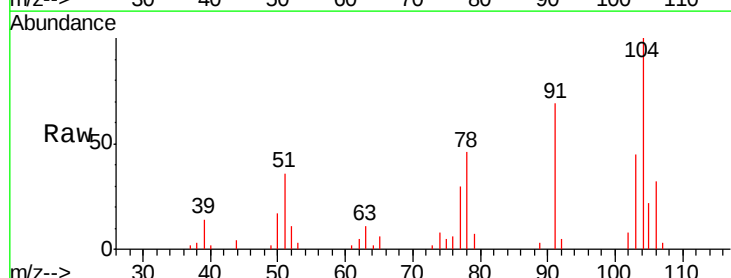


Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VU0

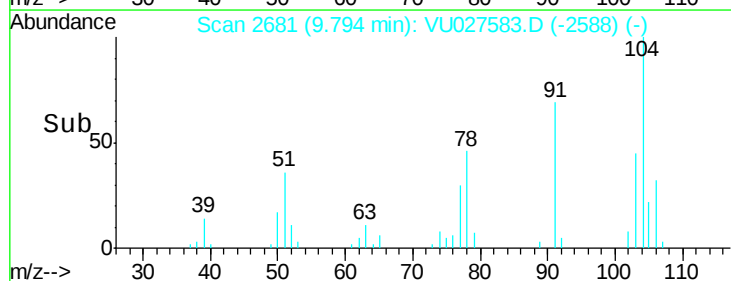
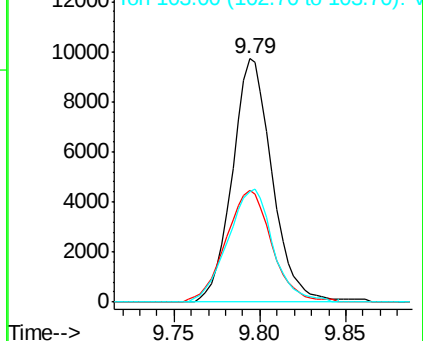


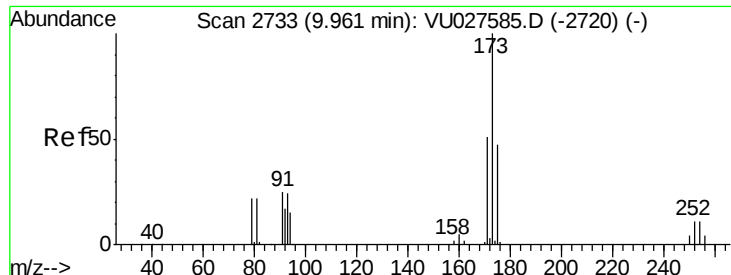
#70  
Styrene  
Concen: 4.32 ug/l  
RT: 9.79 min Scan# 2681  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion:104 Resp: 15565  
Ion Ratio Lower Upper  
104 100  
78 53.4 42.9 64.3  
103 52.8 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 4.85 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

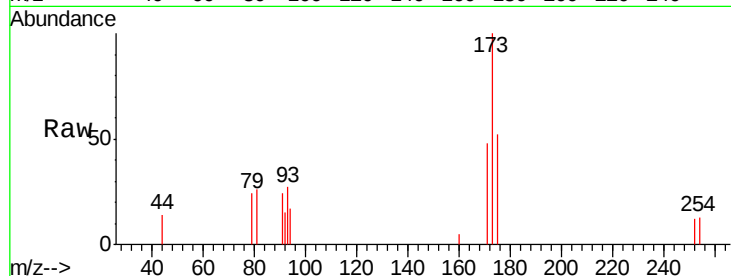
ClientSampleId :

VSTDIC005

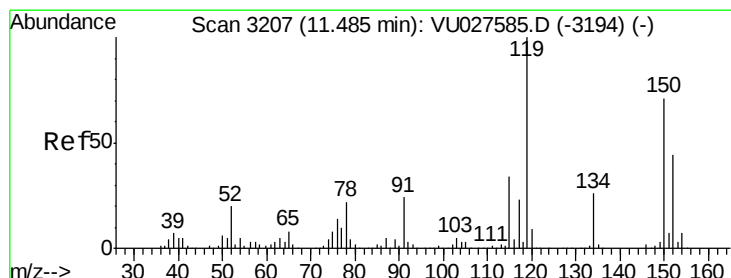
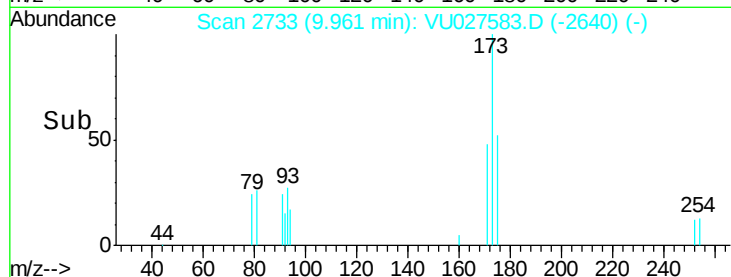
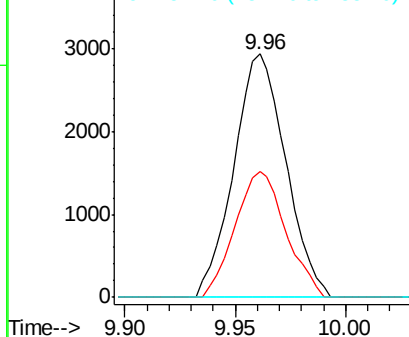
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 4799 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 50.4  | 24.3  | 73.0 |
| 254       | 0.0   | 0.0   | 0.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



Abundance Ion 172.70 (172.40 to 173.40): V  
Ion 174.70 (174.40 to 175.40): V  
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

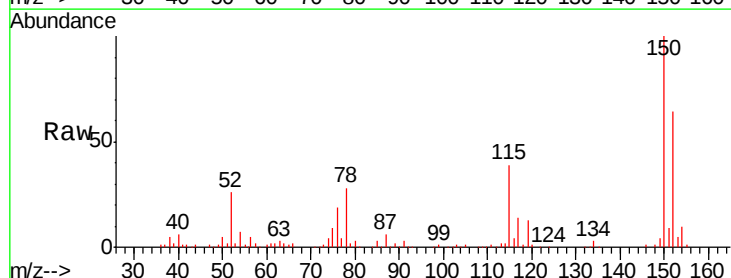
RT: 11.49 min Scan# 3207

Delta R.T. 0.00 min

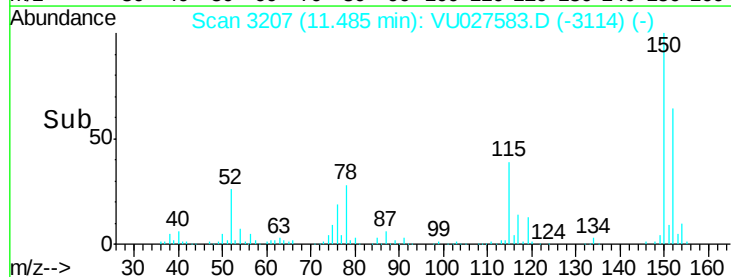
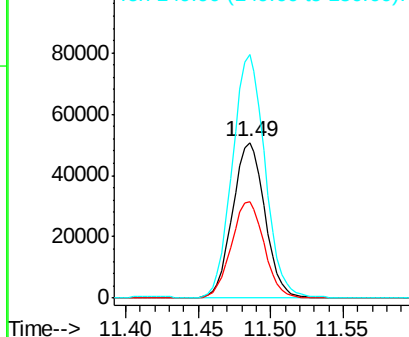
Lab File: VU027583.D

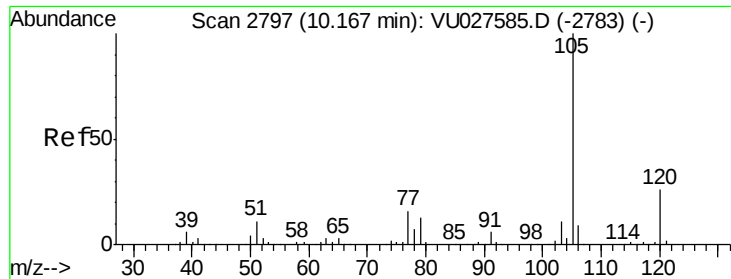
Acq: 11 Oct 2018 08:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 78747 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 62.8  | 43.4  | 130.2 |
| 150       | 158.2 | 0.0   | 349.2 |



Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.55 ug/l

RT: 10.17 min Scan# 2797

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 26018

Ion Ratio Lower Upper

105 100

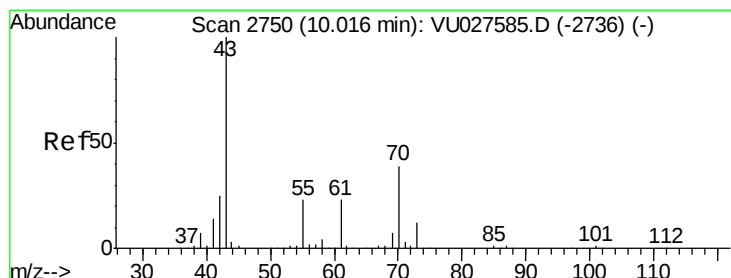
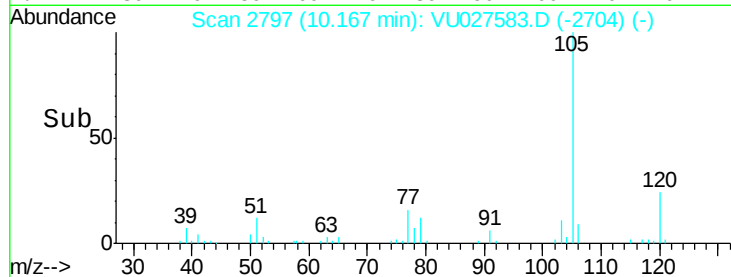
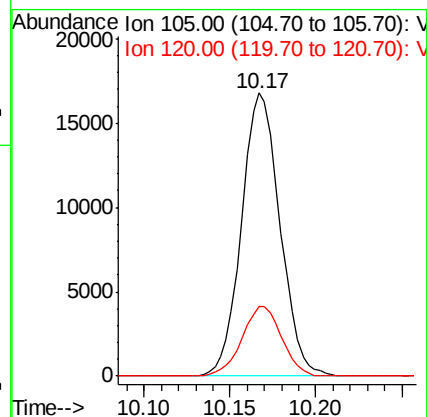
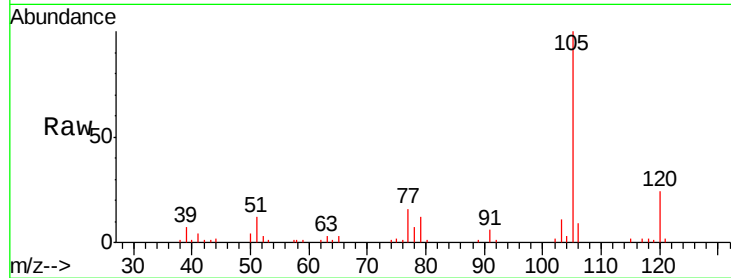
120 25.4 12.6 37.8

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:49 PM



#74

N-ethyl acetate

Concen: 4.45 ug/l

RT: 10.02 min Scan# 2750

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Tgt Ion: 43 Resp: 14560

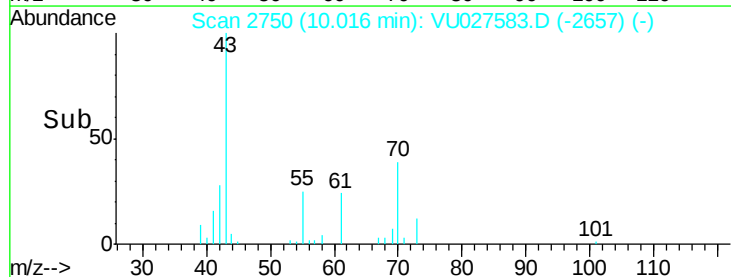
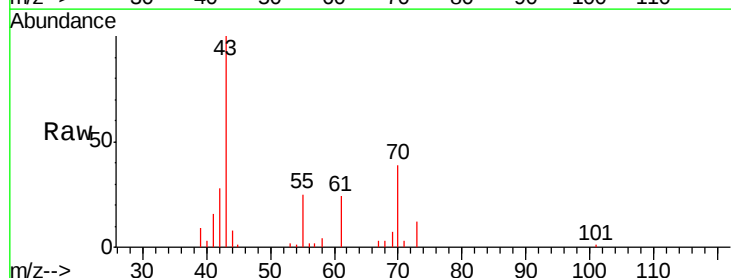
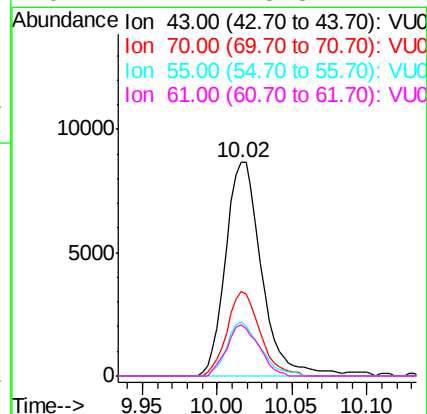
Ion Ratio Lower Upper

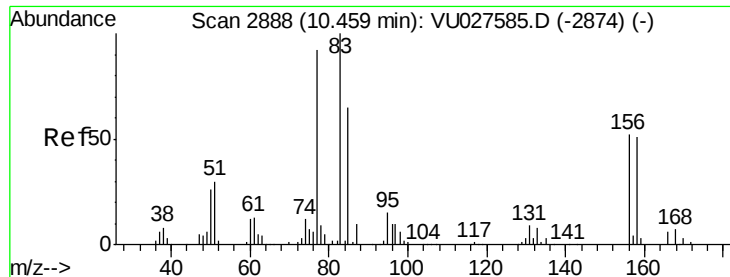
43 100

70 36.1 31.3 46.9

55 23.1 19.0 28.6

61 21.4 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 5.36 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

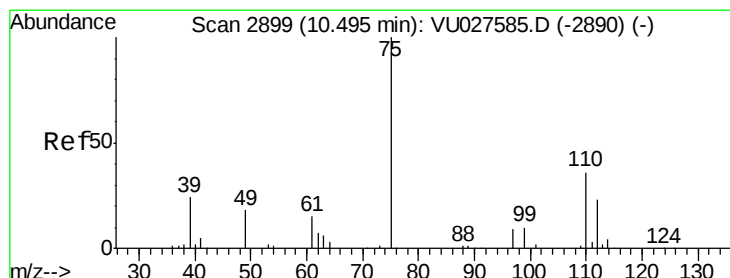
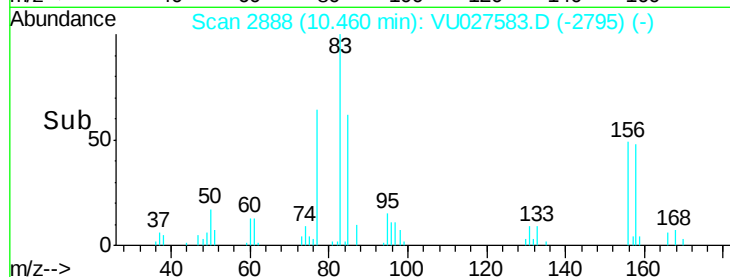
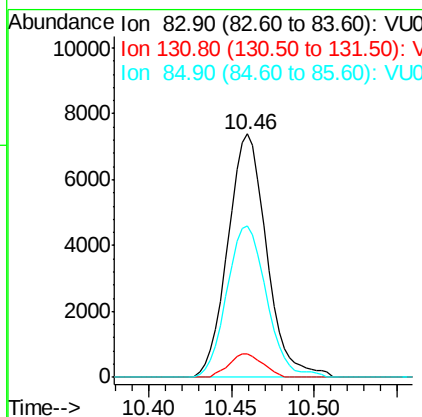
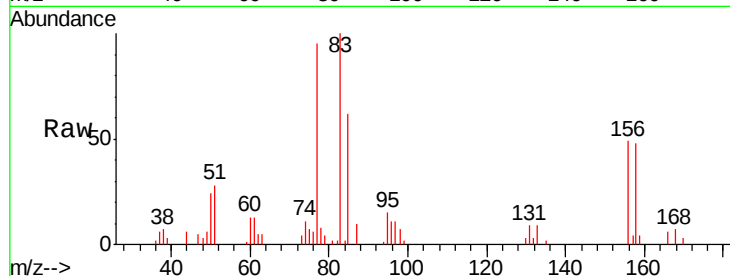
ClientSampleId :

VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 12038 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 8.5   | 4.4   | 13.2  |
| 85       | 63.8  | 32.0  | 96.0  |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#76

1,2,3-Trichloropropane

Concen: 5.30 ug/l m

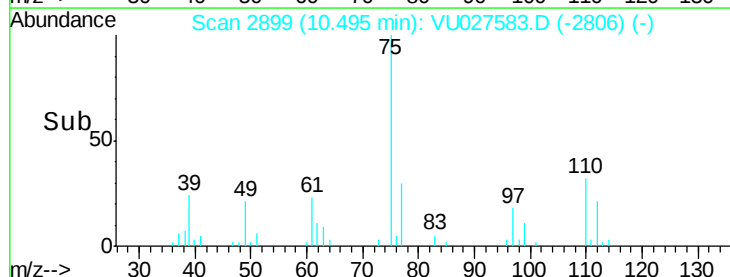
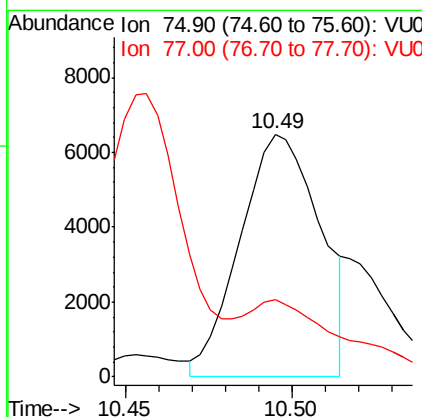
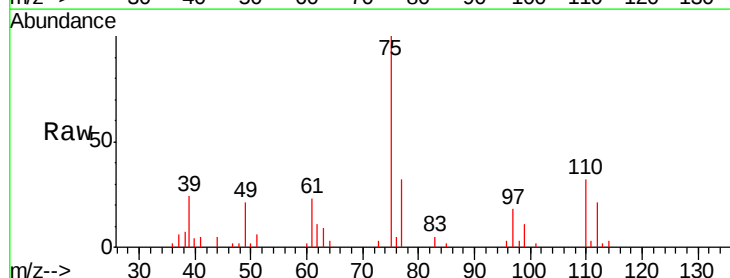
RT: 10.49 min Scan# 2899

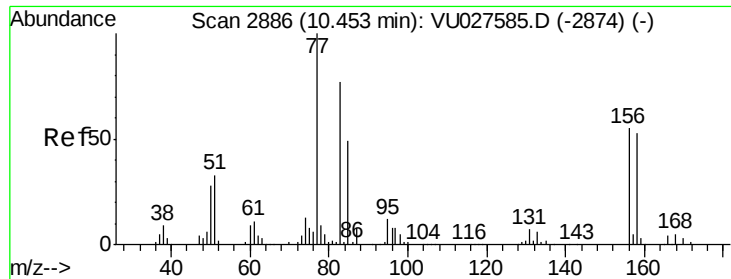
Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 10812 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 36.2  | 20.3  | 60.9  |





#77

Bromobenzene

Concen: 4.95 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

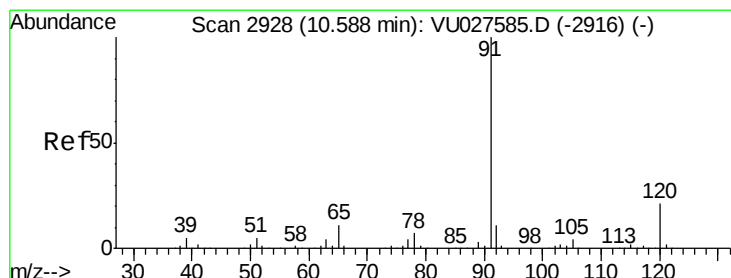
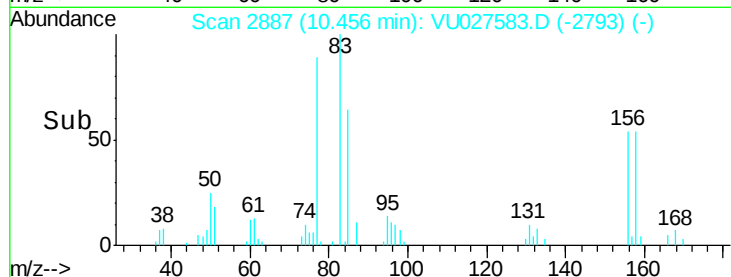
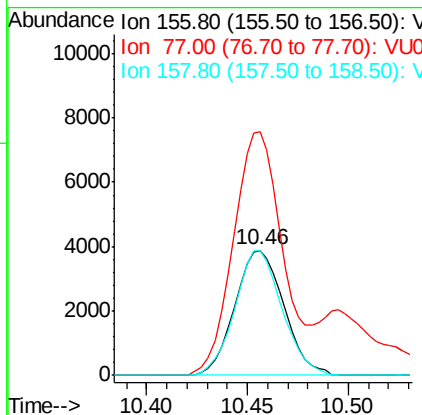
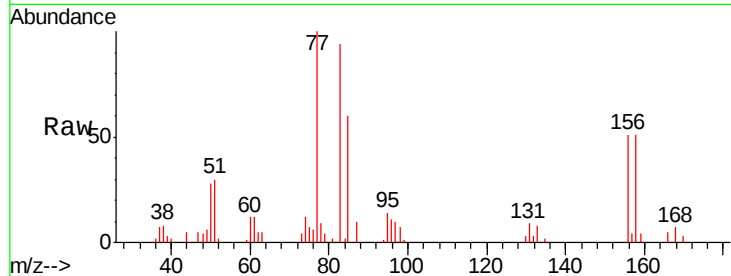
ClientSampleId :

VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 197.7 | 94.8  | 284.4 |
| 158     | 96.5  | 47.4  | 142.3 |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#78

n-propylbenzene

Concen: 4.45 ug/l

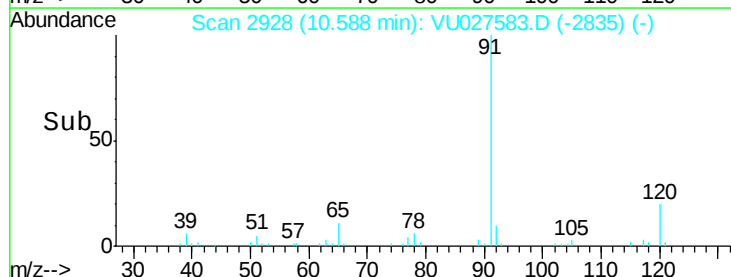
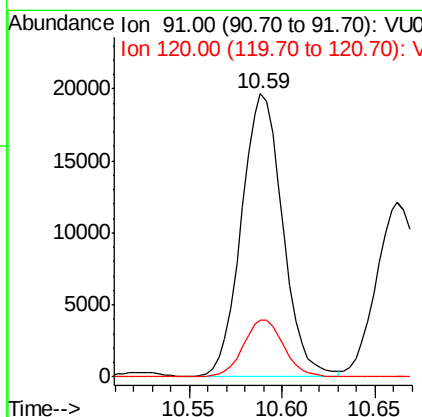
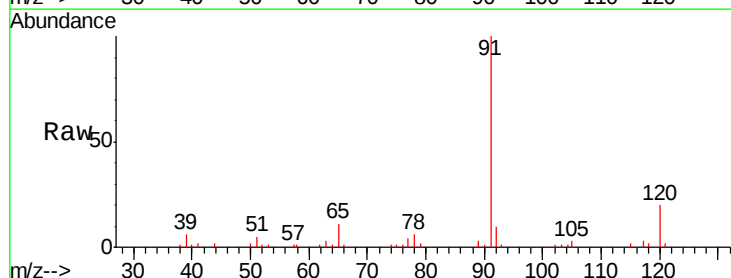
RT: 10.59 min Scan# 2928

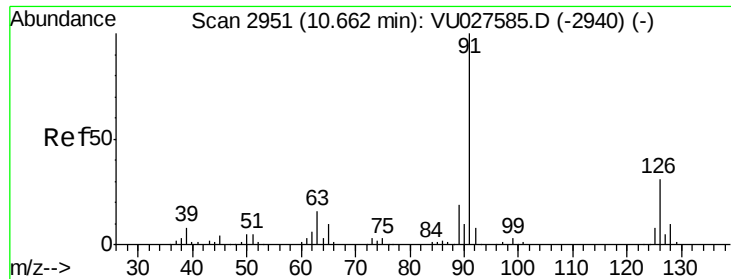
Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 19.7  | 10.6  | 31.8  |





#79

2-Chlorotoluene

Concen: 4.85 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. 0.00 min

Lab File: VU027583.D

Acq: 11 Oct 2018 08:45

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 20126

Ion Ratio Lower Upper

91 100

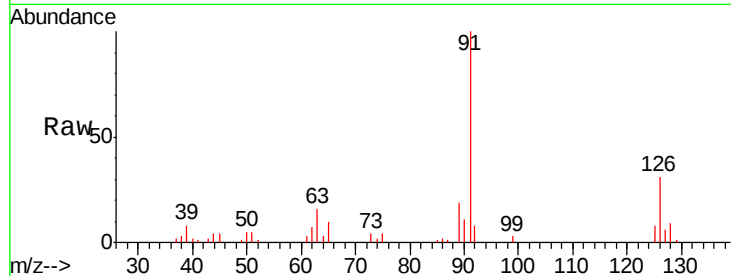
126 30.5 15.7 47.1

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VU027583.D (-2858) (-)

Ion 125.90 (125.60 to 126.60): VU027583.D (-2858) (-)

20000

15000

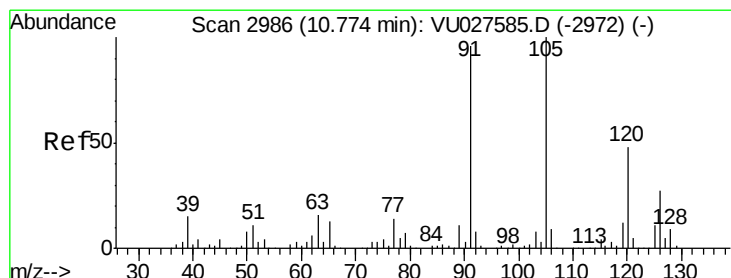
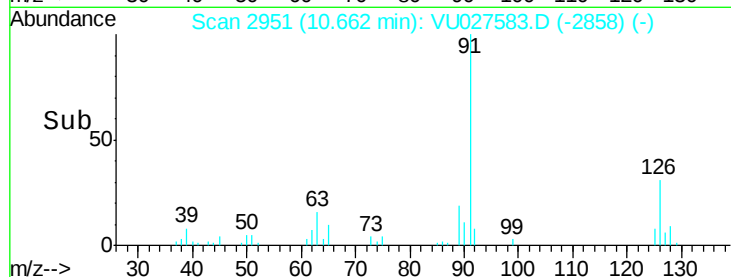
10000

5000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.48 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU027583.D

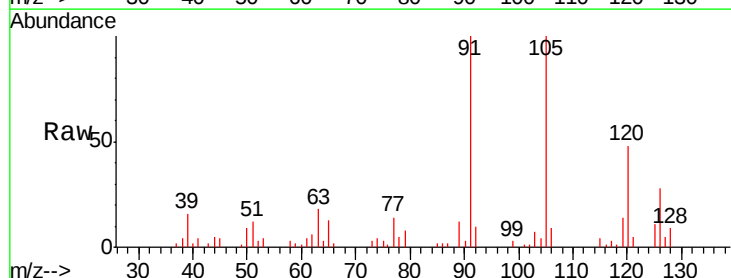
Acq: 11 Oct 2018 08:45

Tgt Ion: 105 Resp: 20839

Ion Ratio Lower Upper

105 100

120 48.8 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027583.D (-2893) (-)

Ion 120.00 (119.70 to 120.70): VU027583.D (-2893) (-)

15000

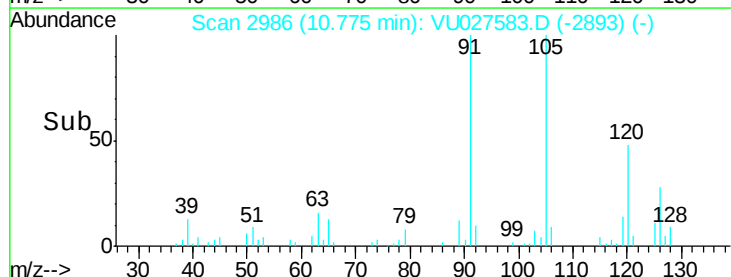
10000

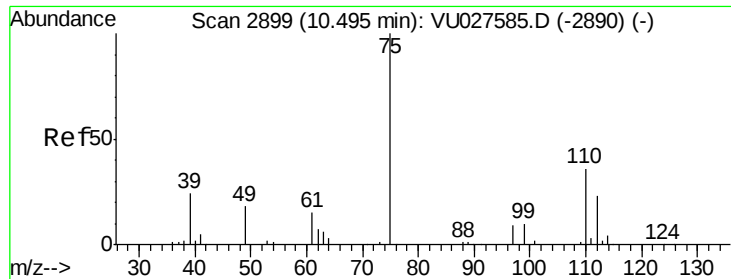
5000

0

10.70 10.75 10.80 10.85

Time-->





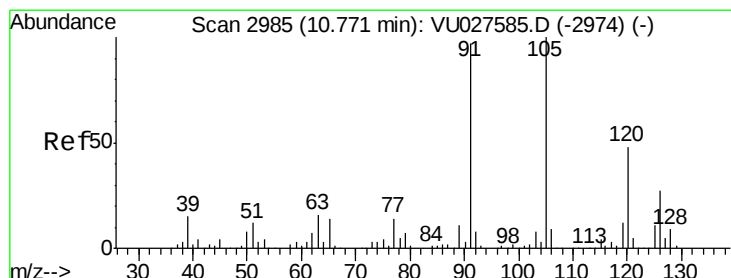
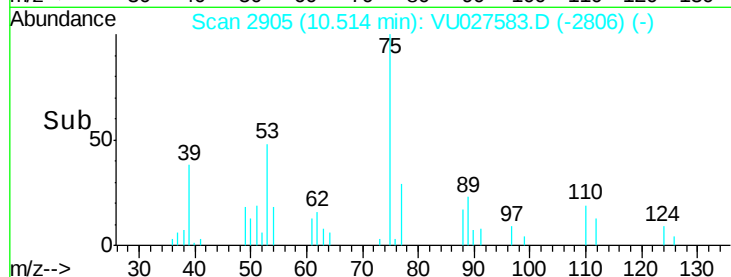
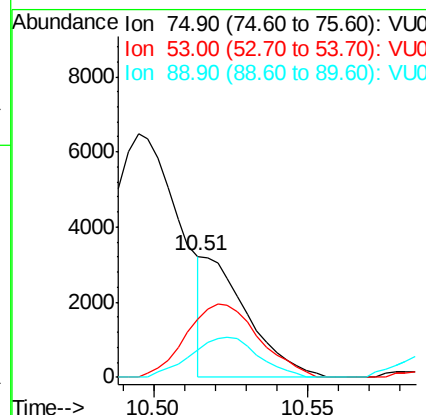
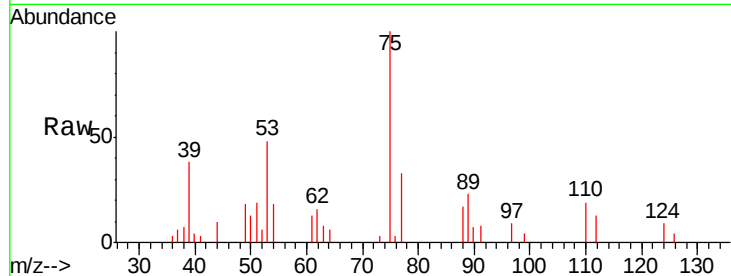
#81  
trans-1,4-Dichloro-2-butene  
Concen: 4.11 ug/l m  
RT: 10.51 min Scan# 2905  
Delta R.T. 0.02 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 0.0   | 0.0   | 0.0   |
| 89      | 0.0   | 0.0   | 0.0   |

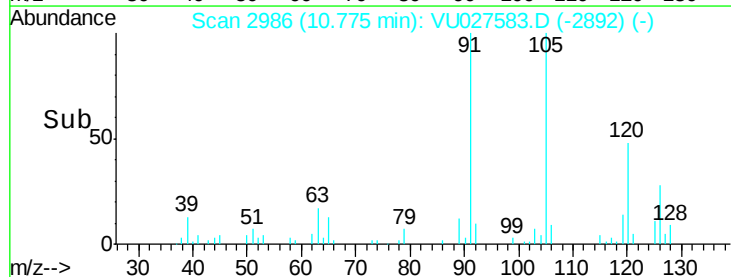
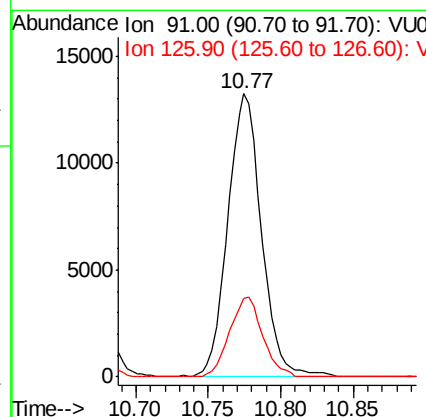
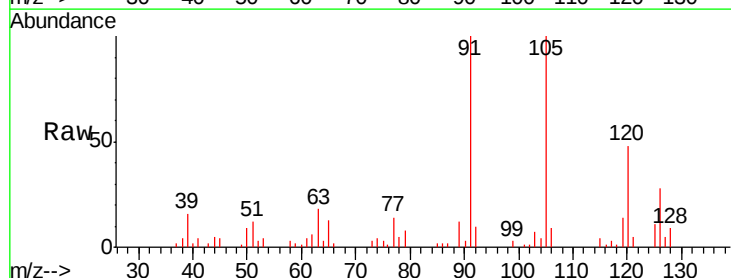
Manual Integrations  
APPROVED

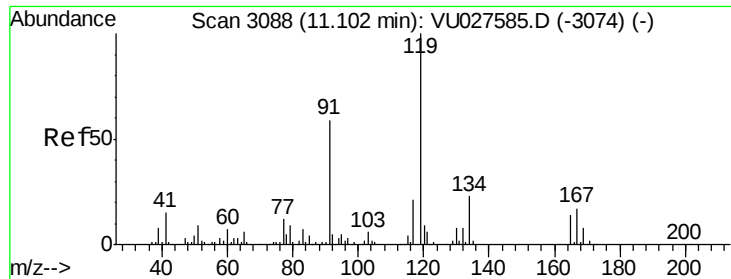
MMDadoda  
10/16/2018 2:22:49 PM



#82  
4-Chlorotoluene  
Concen: 4.53 ug/l  
RT: 10.77 min Scan# 2986  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 27.5  | 13.6  | 40.8  |





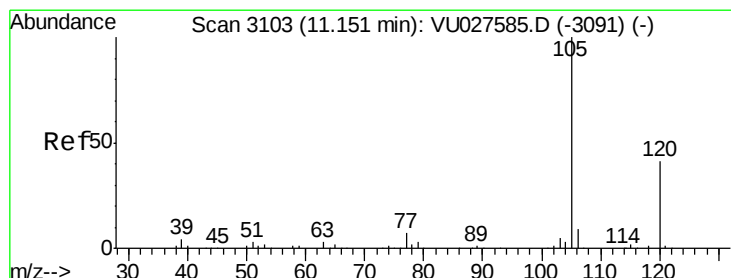
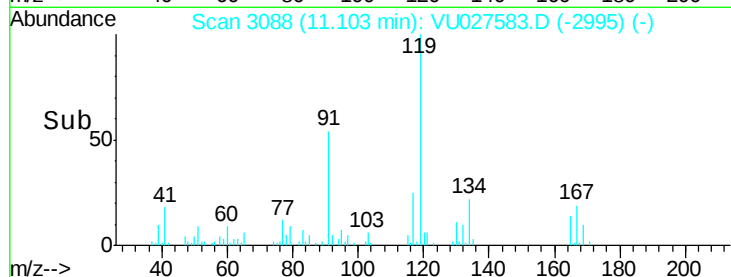
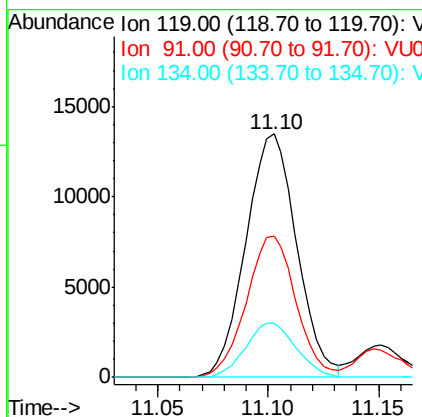
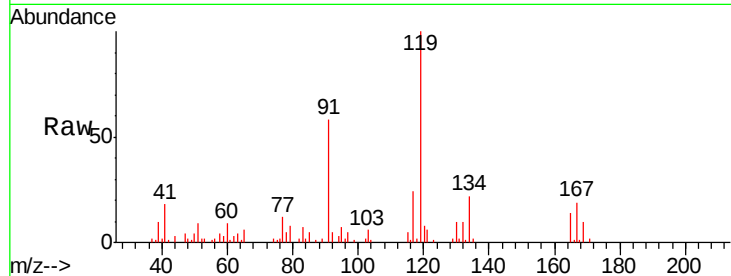
#83  
tert-Butylbenzene  
Concen: 4.80 ug/l  
RT: 11.10 min Scan# 3088  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 56.6  | 30.3  | 91.0  |
| 134     | 21.9  | 11.5  | 34.4  |

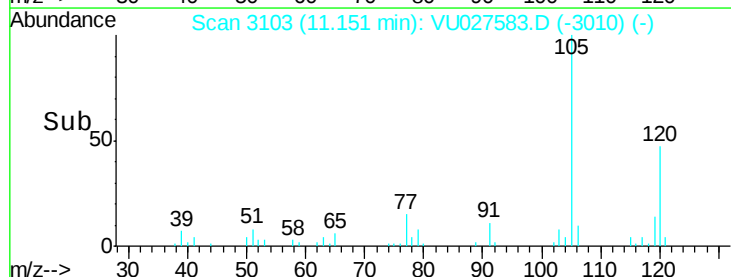
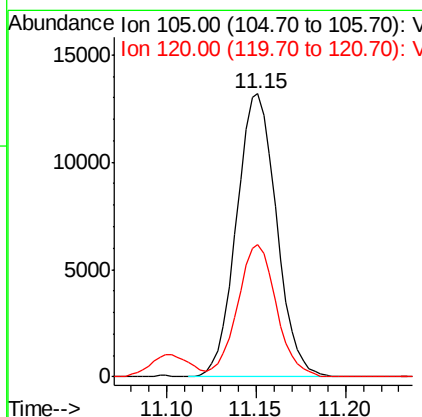
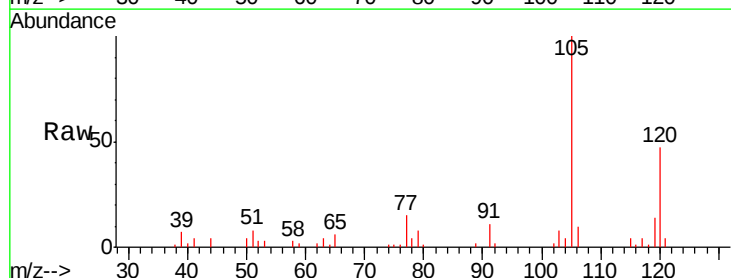
Manual Integrations  
APPROVED

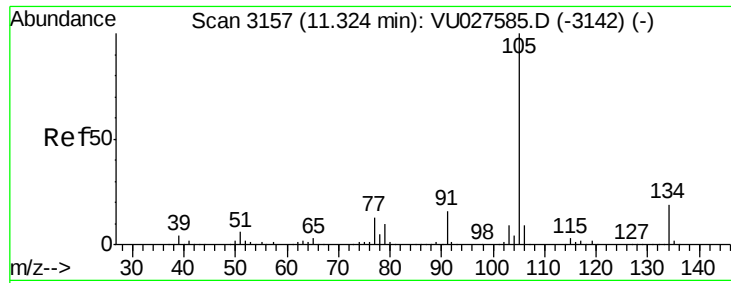
MMDadoda  
10/16/2018 2:22:49 PM



#84  
1,2,4-Trimethylbenzene  
Concen: 4.32 ug/l  
RT: 11.15 min Scan# 3103  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 45.5  | 22.1  | 66.5  |





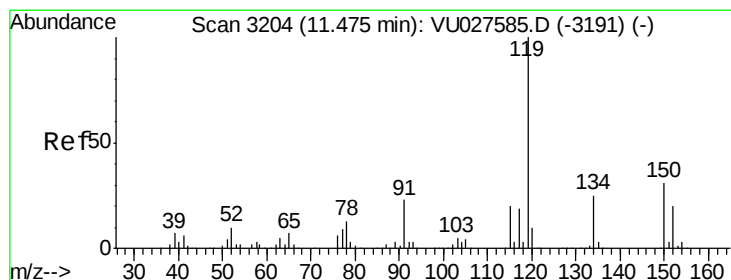
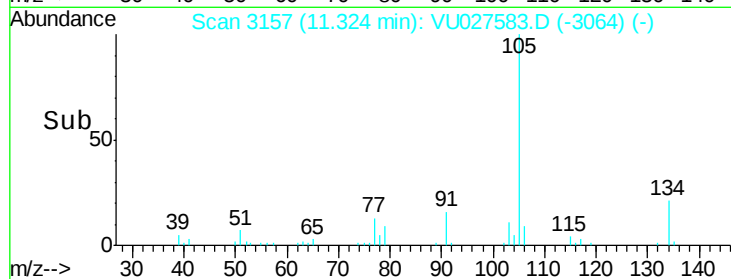
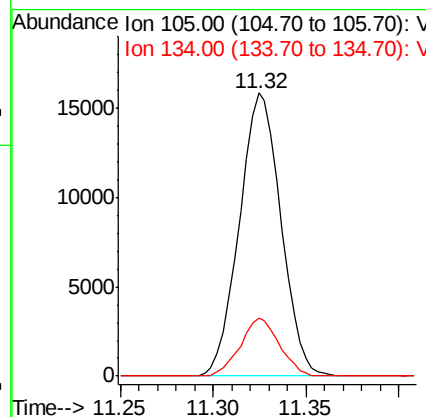
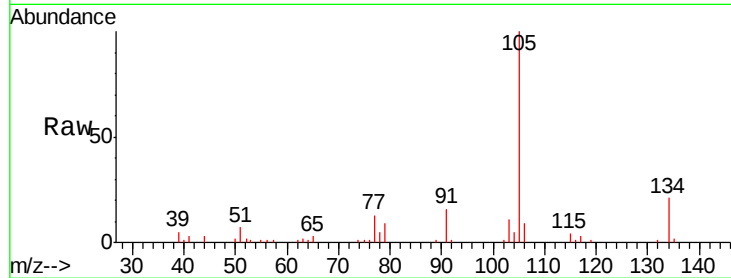
#85  
 sec-Butylbenzene  
 Concen: 4.35 ug/l  
 RT: 11.32 min Scan# 3157  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

Tgt Ion:105 Resp: 24674  
 Ion Ratio Lower Upper  
 105 100  
 134 19.2 9.6 28.6

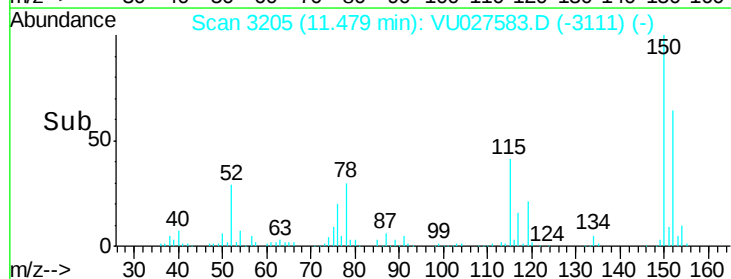
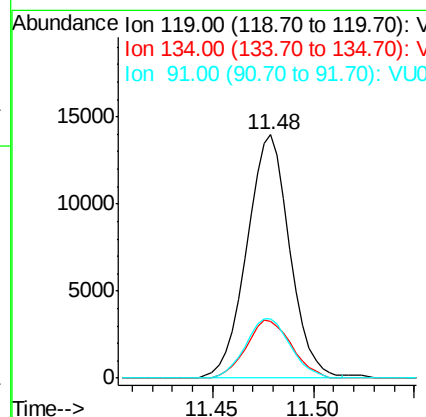
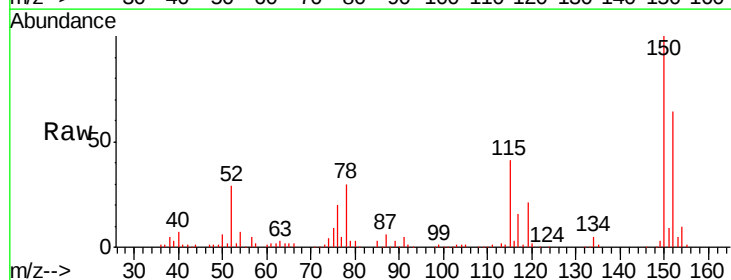
Manual Integrations  
 APPROVED

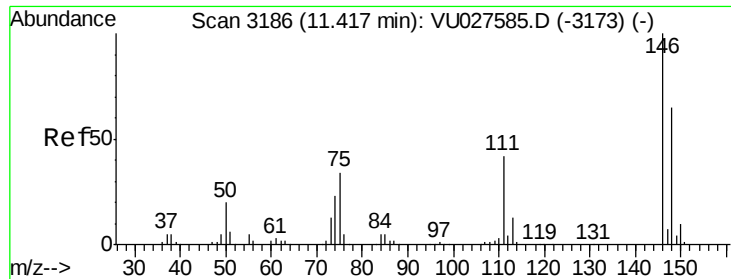
MMDadoda  
 10/16/2018 2:22:49 PM



#86  
 p-Isopropyltoluene  
 Concen: 4.28 ug/l  
 RT: 11.48 min Scan# 3205  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Tgt Ion:119 Resp: 20793  
 Ion Ratio Lower Upper  
 119 100  
 134 25.1 12.7 38.1  
 91 25.6 12.2 36.4





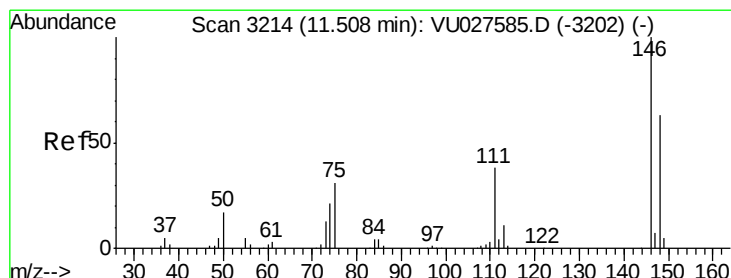
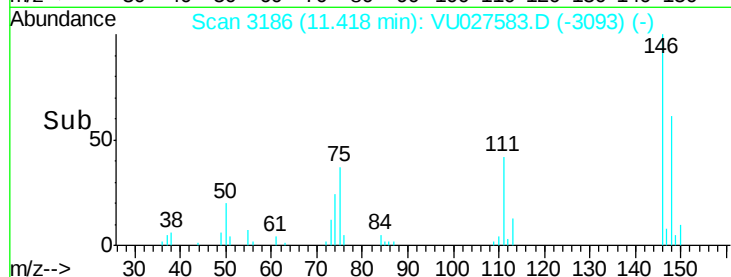
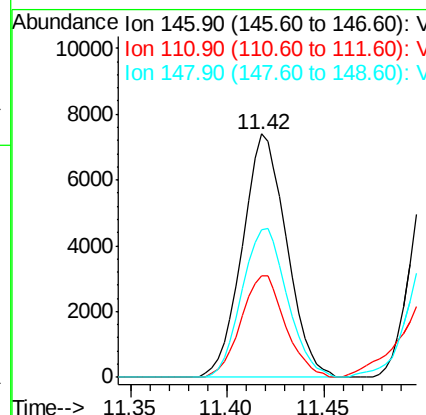
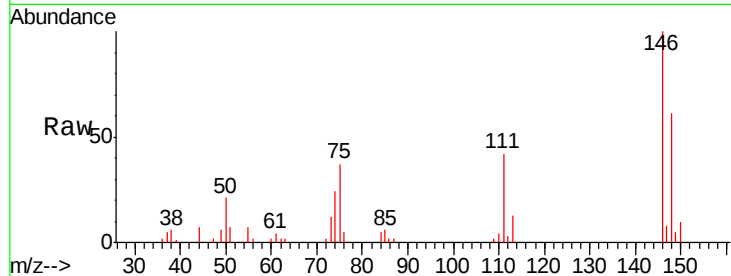
#87  
 1,3-Dichlorobenzene  
 Concen: 4.68 ug/l  
 RT: 11.42 min Scan# 3186  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 41.8  | 20.8  | 62.5  |
| 148     | 62.6  | 31.6  | 94.8  |

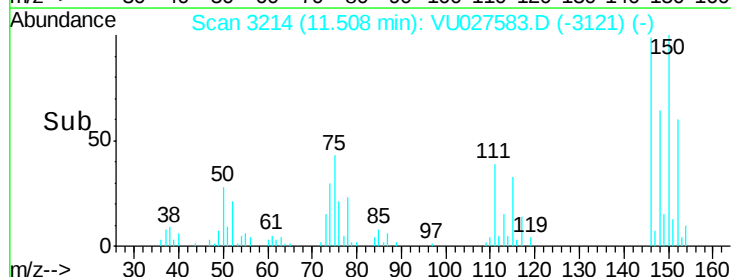
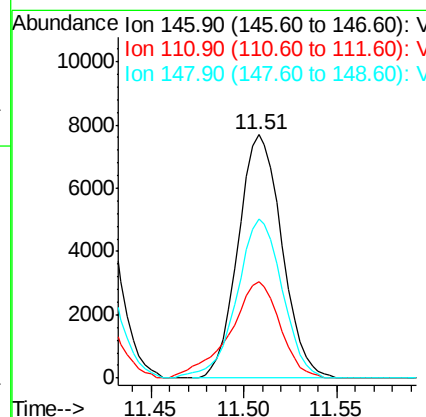
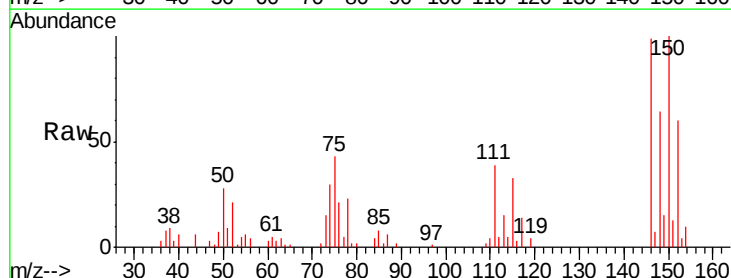
Manual Integrations  
 APPROVED

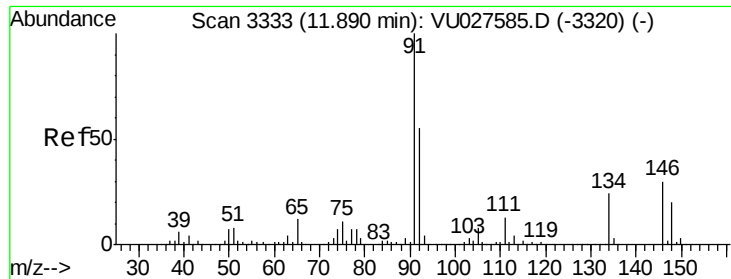
MMDadoda  
 10/16/2018 2:22:49 PM



#88  
 1,4-Dichlorobenzene  
 Concen: 4.89 ug/l  
 RT: 11.51 min Scan# 3214  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 45.3  | 20.4  | 61.2  |
| 148     | 67.7  | 31.9  | 95.5  |





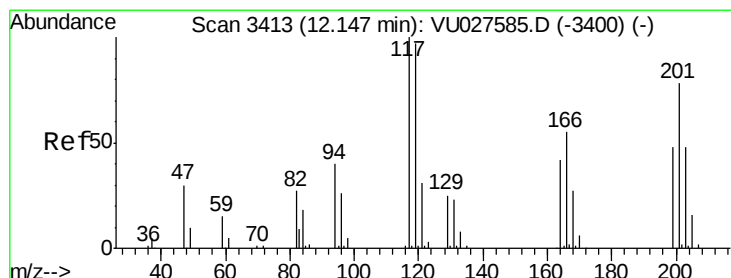
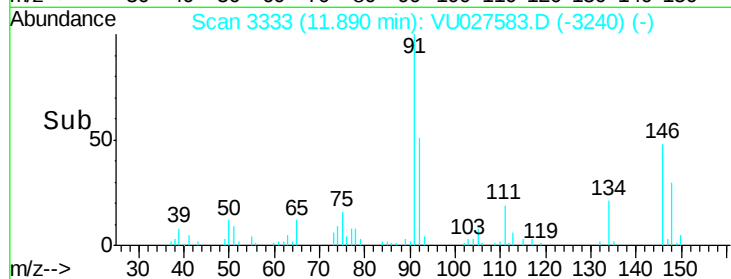
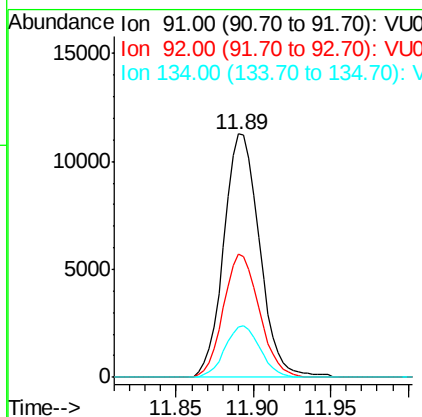
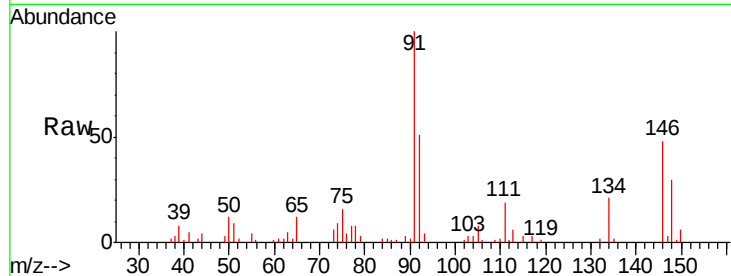
#89  
n-Butylbenzene  
Concen: 4.00 ug/l  
RT: 11.89 min Scan# 3333  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 18100  
Ion Ratio Lower Upper  
91 100  
92 50.8 27.0 81.0  
134 20.6 11.7 35.1

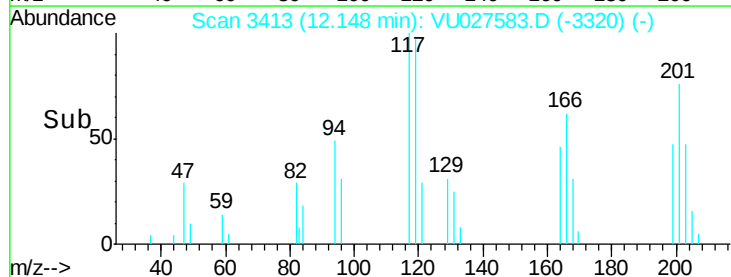
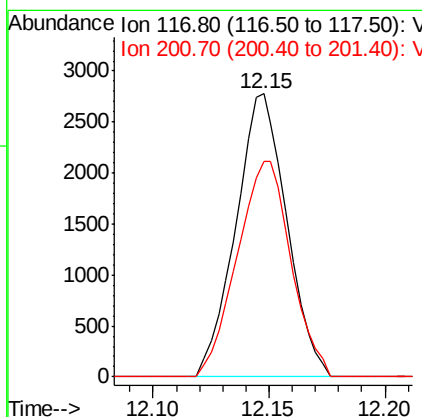
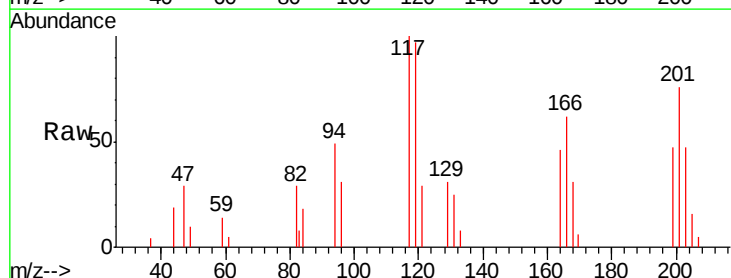
Manual Integrations  
APPROVED

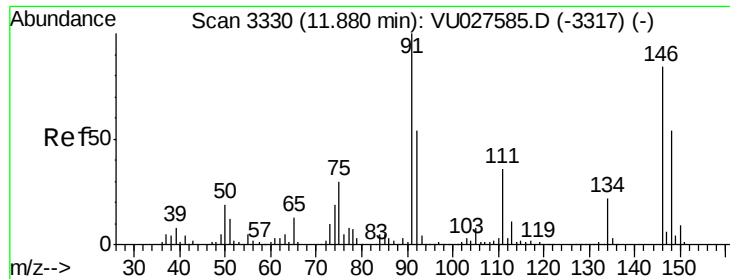
MMDadoda  
10/16/2018 2:22:49 PM



#90  
Hexachloroethane  
Concen: 4.62 ug/l  
RT: 12.15 min Scan# 3413  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Tgt Ion: 117 Resp: 4227  
Ion Ratio Lower Upper  
117 100  
201 80.6 37.9 113.6





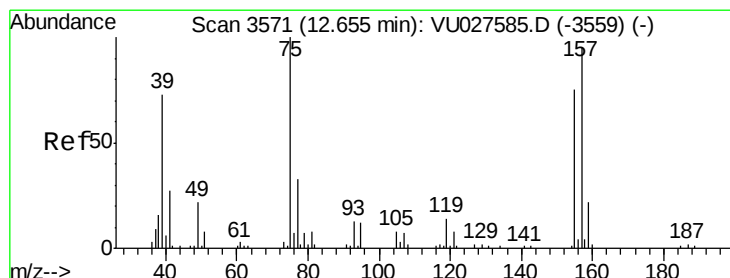
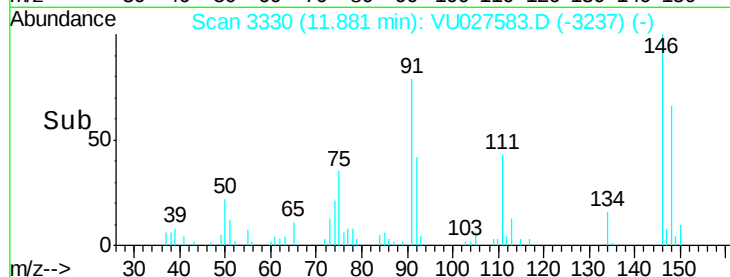
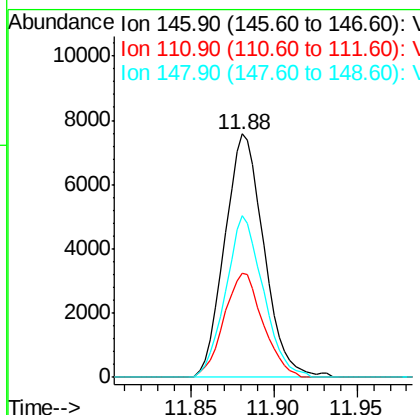
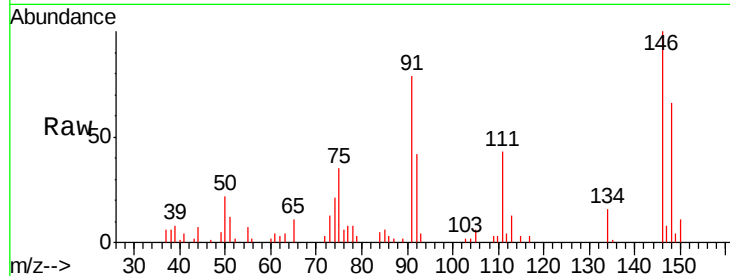
#91  
 1,2-Dichlorobenzene  
 Concen: 5.08 ug/l  
 RT: 11.88 min Scan# 3330  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 42.4  | 21.8  | 65.4  |
| 148     | 63.5  | 31.9  | 95.5  |

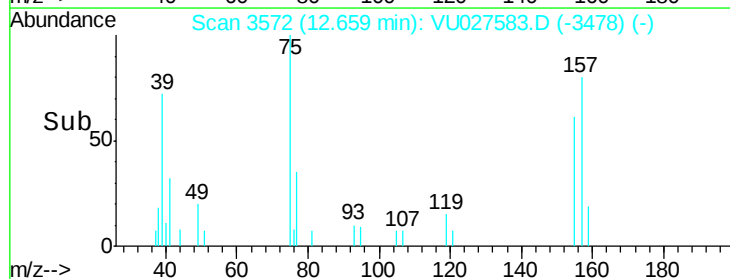
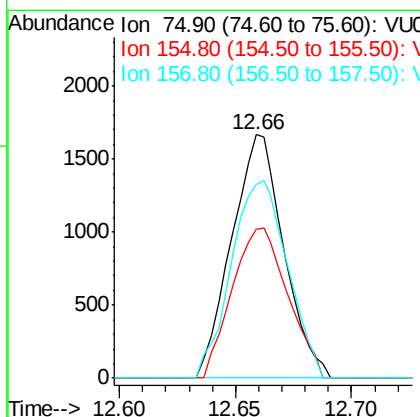
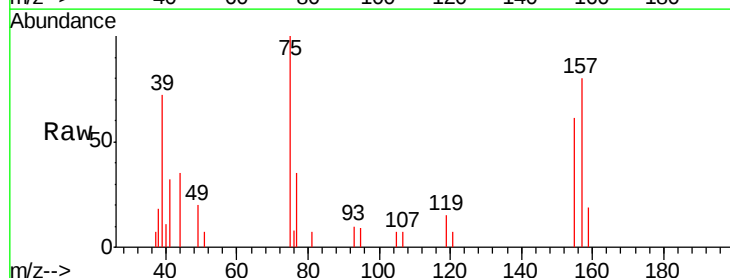
Manual Integrations  
 APPROVED

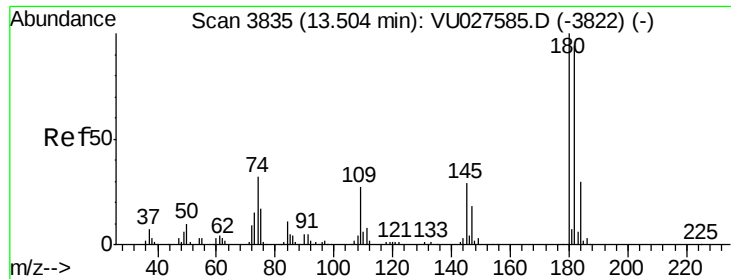
MMDadoda  
 10/16/2018 2:22:49 PM



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 5.23 ug/l  
 RT: 12.66 min Scan# 3572  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 65.7  | 35.9  | 107.8 |
| 157     | 87.2  | 46.9  | 140.6 |





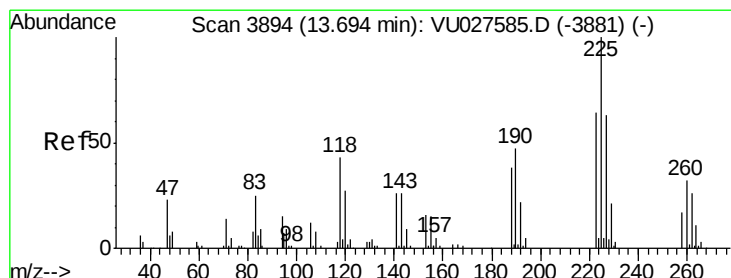
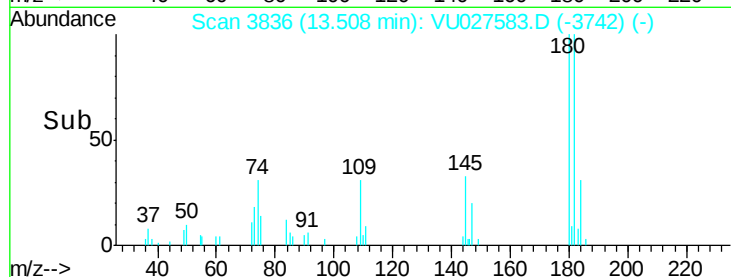
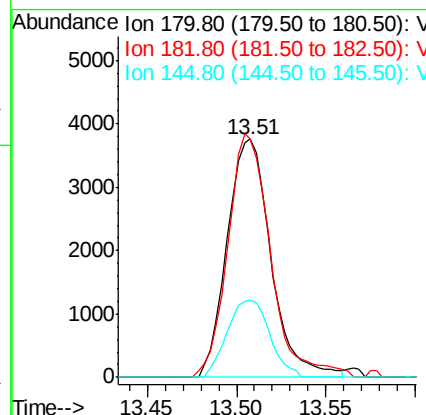
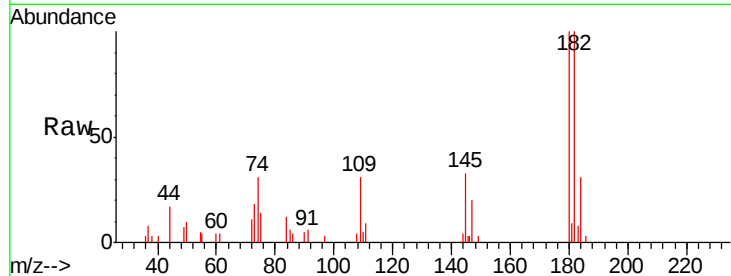
#93  
 1,2,4-Trichlorobenzene  
 Concen: 4.05 ug/l  
 RT: 13.51 min Scan# 3836  
 Delta R.T. 0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.7  | 47.4  | 142.3 |
| 145     | 31.4  | 14.6  | 44.0  |

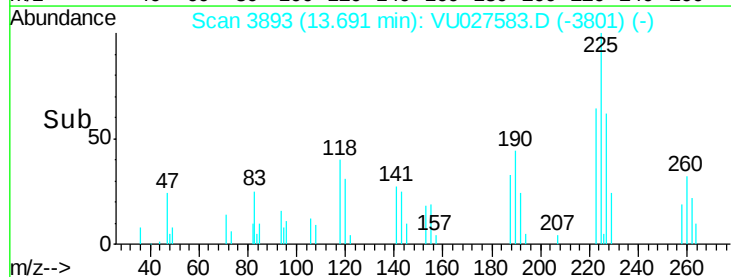
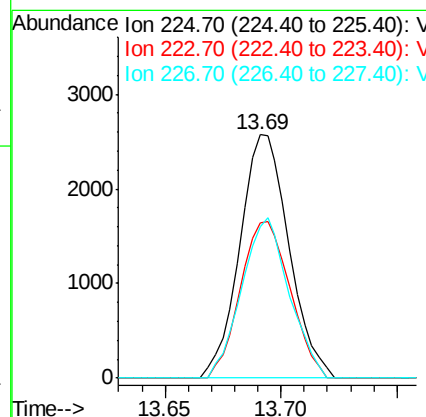
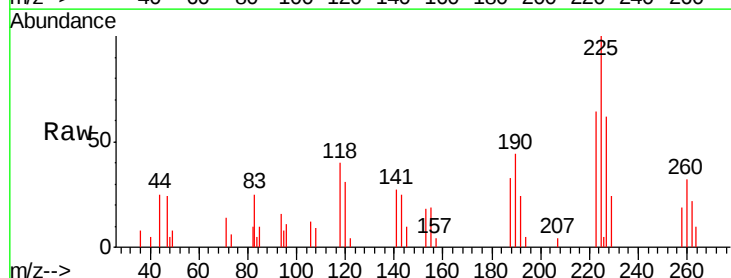
Manual Integrations  
 APPROVED

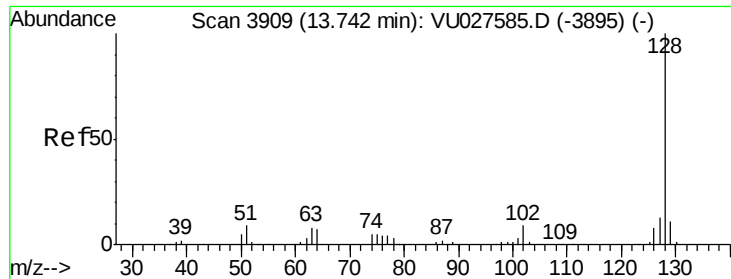
MMDadoda  
 10/16/2018 2:22:49 PM



#94  
 Hexachlorobutadiene  
 Concen: 4.73 ug/l  
 RT: 13.69 min Scan# 3893  
 Delta R.T. -0.00 min  
 Lab File: VU027583.D  
 Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 65.0  | 31.8  | 95.3  |
| 227     | 63.5  | 31.9  | 95.7  |





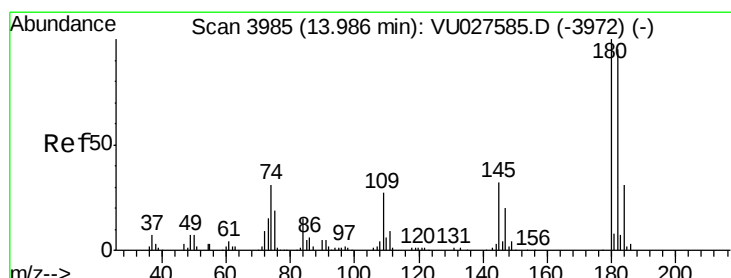
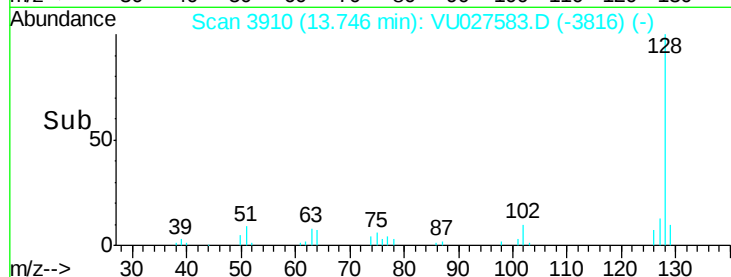
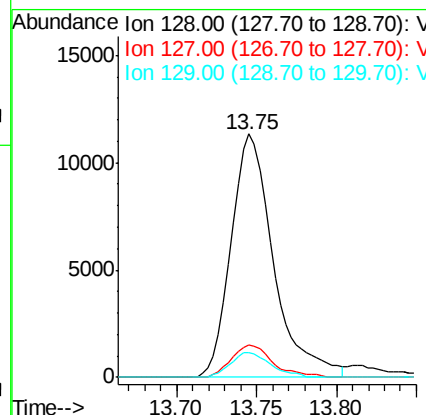
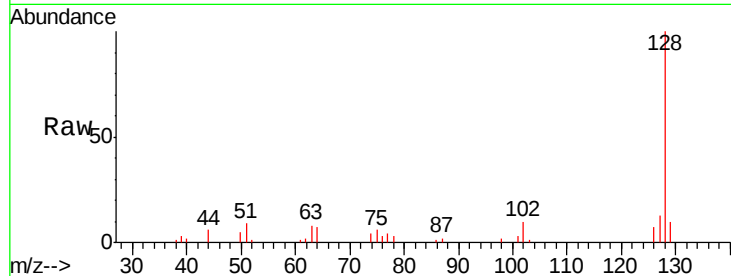
#95  
Naphthalene  
Concen: 3.88 ug/l  
RT: 13.75 min Scan# 3910  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC005

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 13.0  | 10.5  | 15.7  |
| 129     | 9.5   | 8.6   | 12.8  |

Manual Integrations  
APPROVED

MMDadoda  
10/16/2018 2:22:49 PM



#96  
1,2,3-Trichlorobenzene  
Concen: 4.58 ug/l  
RT: 13.99 min Scan# 3986  
Delta R.T. 0.00 min  
Lab File: VU027583.D  
Acq: 11 Oct 2018 08:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 91.7  | 47.4  | 142.2 |
| 145     | 29.2  | 15.9  | 47.7  |

