

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U020519\  
 Data File : VU029353.D  
 Acq On : 05 Feb 2019 18:16  
 Operator : JC/SP  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleID :  
 VSTD01050

Manual Integrations  
 APPROVED

sam  
 2/8/2019 2:26:54 PM

Quant Time: Feb 08 11:51:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Feb 08 10:52:46 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon  | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|-------|-------|----------|--------|---------|----------|
| -----                         | ----- | ----- | -----    | -----  | -----   | -----    |
| 1) Fluorobenzene              | 5.74  | 96    | 50774    | 1.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |       |          |        |         |          |
| 57) 4-Bromofluorobenzene      | 10.31 | 95    | 21176    | 1.07   | ug/l    | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 107.00% |          |
| 68) 1,2-Dichlorobenzene-d4    | 11.86 | 152   | 22630    | 1.11   | ug/l    | 0.00     |
| Spiked Amount 1.000           |       |       | Recovery | =      | 111.00% |          |
| Target Compounds              |       |       |          |        | Ovalue  |          |
| 2) Dichlorodifluoromethane    | 1.21  | 85    | 185454   | 9.787  | ug/l    | 99       |
| 3) Chloromethane              | 1.33  | 50    | 163499   | 9.442  | ug/l    | 98       |
| 4) Vinyl Chloride             | 1.40  | 62    | 200933   | 9.899  | ug/l    | 99       |
| 5) Bromomethane               | 1.62  | 94    | 111660   | 9.889  | ug/l    | 92       |
| 6) Chloroethane               | 1.70  | 64    | 118032   | 9.953  | ug/l    | 100      |
| 7) Trichlorofluoromethane     | 1.88  | 101   | 299943   | 10.581 | ug/l    | 96       |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.29  | 101   | 157944   | 10.552 | ug/l    | 90       |
| 9) 1,1-Dichloroethene         | 2.28  | 96    | 152550   | 10.415 | ug/l    | 74       |
| 10) Iodomethane               | 2.41  | 142   | 218811   | 9.982  | ug/l #  | 79       |
| 11) Allyl Chloride            | 2.59  | 41    | 241997   | 9.852  | ug/l    | 91       |
| 12) Acrylonitrile             | 2.94  | 53    | 66327    | 20.204 | ug/l    | 97       |
| 13) Acetone                   | 2.32  | 43    | 139095   | 43.963 | ug/l #  | 86       |
| 14) Carbon Disulfide          | 2.47  | 76    | 525774   | 10.167 | ug/l    | 100      |
| 15) Methylene Chloride        | 2.70  | 84    | 171117   | 9.635  | ug/l #  | 80       |
| 16) trans-1,2-Dichloroethene  | 2.98  | 96    | 172383   | 10.524 | ug/l #  | 79       |
| 17) 1,1-Dichloroethane        | 3.44  | 63    | 252041   | 9.710  | ug/l    | 97       |
| 18) 2-Butanone                | 4.28  | 43    | 177445   | 50.180 | ug/l    | 97       |
| 19) Cyclohexane               | 4.99  | 56    | 219095m  | 9.104  | ug/l    |          |
| 20) Methylcyclohexane         | 6.41  | 83    | 254850   | 10.082 | ug/l #  | 86       |
| 21) 2,2-Dichloropropane       | 4.22  | 77    | 228852   | 9.525  | ug/l    | 91       |
| 22) cis-1,2-Dichloroethene    | 4.22  | 96    | 161982   | 10.498 | ug/l    | 79       |
| 23) Diethyl Ether             | 2.10  | 59    | 120492   | 10.244 | ug/l    | 88       |
| 24) tert-Butyl Alcohol        | 2.84  | 59    | 120342   | 98.453 | ug/l    | 100      |
| 25) Methyl tert-Butyl Ether   | 3.00  | 73    | 431893   | 10.472 | ug/l #  | 86       |
| 26) Bromochloromethane        | 4.54  | 128   | 72102    | 10.579 | ug/l    | 73       |
| 27) Chloroform                | 4.67  | 83    | 263643   | 10.445 | ug/l    | 98       |
| 28) 1,1,1-Trichloroethane     | 4.91  | 97    | 243507   | 10.408 | ug/l    | 95       |
| 29) 1,1-Dichloropropene       | 5.13  | 75    | 201540   | 9.923  | ug/l    | 91       |
| 30) Carbon Tetrachloride      | 5.13  | 117   | 225799   | 10.660 | ug/l    | 100      |
| 31) Isopropyl Ether           | 3.58  | 45    | 392489   | 10.021 | ug/l    | 89       |
| 32) Ethyl-t-butyl ether       | 4.07  | 59    | 391020   | 9.963  | ug/l    | 91       |
| 33) Tert-Amyl methyl ether    | 5.58  | 73    | 369653   | 10.416 | ug/l    | 99       |
| 34) Propionitrile             | 4.33  | 54    | 49953    | 53.742 | ug/l #  | 91       |
| 35) Benzene                   | 5.39  | 78    | 571949   | 10.183 | ug/l    | 99       |
| 36) 1,2-Dichloroethane        | 5.40  | 62    | 171436   | 10.091 | ug/l #  | 91       |
| 37) Trichloroethene           | 6.18  | 130   | 175497   | 10.888 | ug/l    | 86       |
| 38) 1,2-Dichloropropane       | 6.43  | 63    | 147475   | 10.093 | ug/l    | 98       |
| 39) Methacrylonitrile         | 4.55  | 41    | 48364    | 10.161 | ug/l #  | 90       |
| 40) Methyl acrylate           | 4.42  | 55    | 74754    | 10.403 | ug/l #  | 92       |
| 41) Tetrahydrofuran           | 4.65  | 42    | 46070    | 19.214 | ug/l #  | 84       |
| 42) 1-Chlorobutane            | 5.06  | 56    | 267790   | 9.840  | ug/l    | 88       |

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 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

Manual Integrations  
 APPROVED

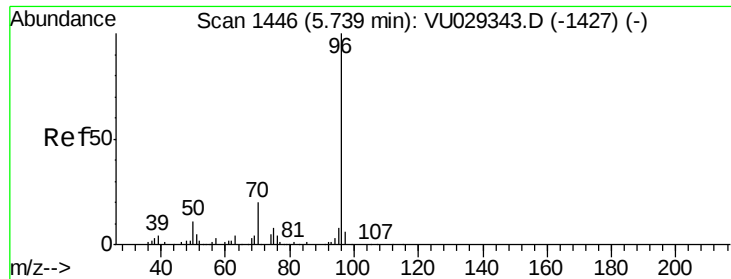
sam  
 2/8/2019 2:26:54 PM

Quant Time: Feb 08 11:51:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Feb 08 10:52:46 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| -----                          |       |      |          |        |        |          |
| 43) Dibromomethane             | 6.56  | 93   | 79786    | 10.247 | ug/l   | 91       |
| 44) Bromodichloromethane       | 6.76  | 83   | 205750   | 10.371 | ug/l   | 95       |
| 45) 4-Methyl-2-Pentanone       | 7.46  | 43   | 459124   | 50.301 | ug/l # | 91       |
| 46) t-1,4-Dichloro-2-butene    | 10.51 | 75   | 102204m  | 22.983 | ug/l   |          |
| 47) Methyl methacrylate        | 6.62  | 69   | 148244   | 21.639 | ug/l # | 77       |
| 48) Ethyl methacrylate         | 8.02  | 69   | 156443   | 10.644 | ug/l   | 81       |
| 49) Toluene                    | 7.63  | 92   | 375452   | 10.446 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene      | 7.88  | 75   | 200979   | 10.334 | ug/l   | 95       |
| 51) cis-1,3-Dichloropropene    | 7.27  | 75   | 235815   | 10.207 | ug/l   | 90       |
| 52) 1,1,2-Trichloroethane      | 8.07  | 97   | 107947   | 10.472 | ug/l   | 97       |
| 53) 1,3-Dichloropropane        | 8.24  | 76   | 187079   | 10.331 | ug/l   | 100      |
| 54) 2-Hexanone                 | 8.36  | 43   | 328170   | 51.293 | ug/l   | 90       |
| 55) Dibromochloromethane       | 8.48  | 129  | 156856   | 10.706 | ug/l   | 99       |
| 56) 1,2-Dibromoethane          | 8.59  | 107  | 109810   | 10.383 | ug/l   | 99       |
| 58) Tetrachloroethene          | 8.23  | 164  | 163051   | 10.872 | ug/l   | 94       |
| 59) Chlorobenzene              | 9.12  | 112  | 438941   | 10.841 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.21  | 131  | 162153   | 10.838 | ug/l   | 97       |
| 61) Pentachloroethane          | 11.10 | 117  | 124803   | 10.763 | ug/l   | 86       |
| 62) Hexachloroethane           | 12.14 | 117  | 140642   | 11.113 | ug/l   | 97       |
| 63) Ethyl Benzene              | 9.25  | 91   | 738627   | 10.505 | ug/l   | 96       |
| 64) m/p-Xylenes                | 9.37  | 106  | 586910   | 21.478 | ug/l   | 87       |
| 65) o-Xylene                   | 9.78  | 106  | 289700   | 10.801 | ug/l   | 87       |
| 66) Styrene                    | 9.79  | 104  | 485261   | 10.853 | ug/l   | 93       |
| 67) Bromoform                  | 9.95  | 173  | 102098   | 11.201 | ug/l   | 99       |
| 69) Isopropylbenzene           | 10.16 | 105  | 767757   | 10.714 | ug/l   | 96       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.46 | 83   | 139877   | 10.587 | ug/l   | 97       |
| 71) 1,2,3-Trichloropropane     | 10.49 | 75   | 91180m   | 10.050 | ug/l   |          |
| 72) Bromobenzene               | 10.45 | 156  | 195615   | 11.262 | ug/l   | 85       |
| 73) n-propylbenzene            | 10.59 | 120  | 217842   | 10.914 | ug/l   | 80       |
| 74) 2-Chlorotoluene            | 10.66 | 126  | 186863   | 10.995 | ug/l   | 80       |
| 75) 1,3,5-Trimethylbenzene     | 10.77 | 105  | 661313   | 10.704 | ug/l   | 96       |
| 76) 4-Chlorotoluene            | 10.77 | 126  | 189075   | 10.719 | ug/l   | 82       |
| 77) tert-Butylbenzene          | 11.10 | 119  | 663530   | 10.865 | ug/l   | 92       |
| 78) 1,2,4-Trimethylbenzene     | 11.14 | 105  | 675619   | 10.802 | ug/l   | 95       |
| 79) sec-Butylbenzene           | 11.32 | 105  | 855292   | 10.704 | ug/l   | 95       |
| 80) Nitrobenzene               | 12.86 | 77   | 31519    | 53.546 | ug/l # | 91       |
| 81) p-Isopropyltoluene         | 11.47 | 119  | 740903   | 10.939 | ug/l   | 94       |
| 82) 1,3-Dichlorobenzene        | 11.41 | 146  | 376205   | 11.039 | ug/l   | 97       |
| 83) 1,4-Dichlorobenzene        | 11.50 | 146  | 374186   | 11.025 | ug/l   | 97       |
| 84) n-Butylbenzene             | 11.89 | 91   | 671667   | 10.806 | ug/l   | 96       |
| 85) 1,2-Dichlorobenzene        | 11.88 | 146  | 356025   | 11.050 | ug/l   | 97       |
| 86) 1,2-Dibromo-3-Chloropropan | 12.66 | 75   | 25243    | 10.238 | ug/l # | 63       |
| 87) 1,2,4-Trichlorobenzene     | 13.50 | 180  | 261507   | 11.555 | ug/l   | 99       |
| 88) Hexachlorobutadiene        | 13.69 | 225  | 153167   | 11.686 | ug/l   | 99       |
| 89) Naphthalene                | 13.74 | 128  | 451306   | 11.758 | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene     | 13.98 | 180  | 237483   | 11.482 | ug/l   | 97       |
| -----                          |       |      |          |        |        |          |

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





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

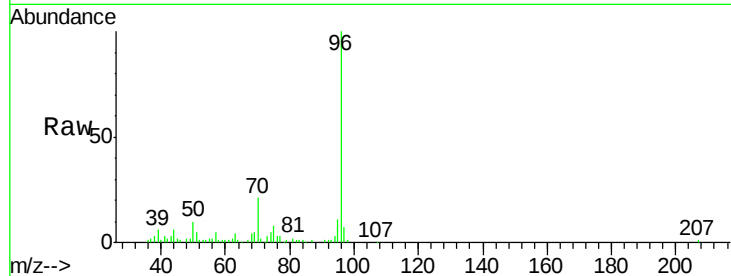
ClientSampleId :

VSTD01050

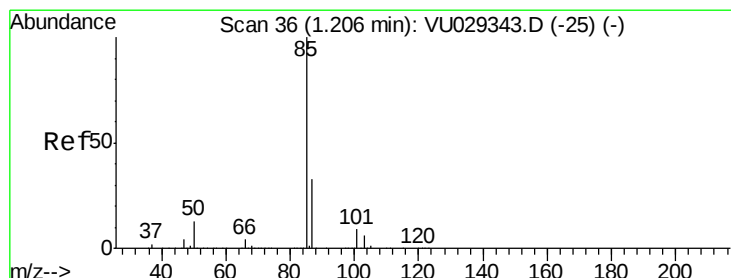
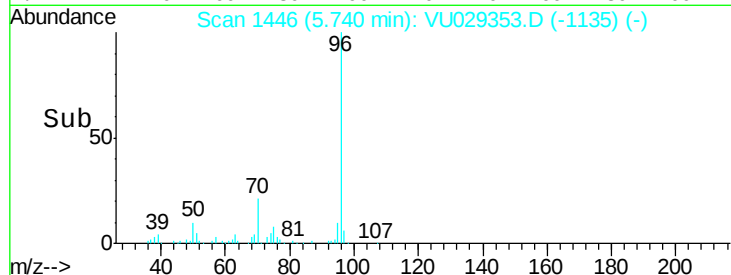
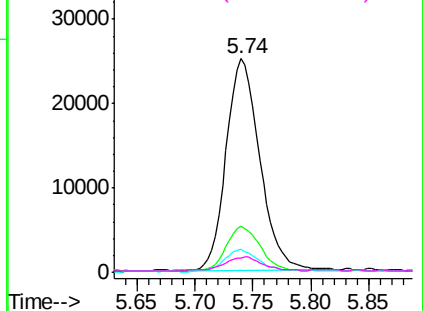
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 96    | Resp: | 50774 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 70       | 19.9  | 16.2  | 24.2  |
| 95       | 10.7  | 7.4   | 11.2  |
| 97       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
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Abundance Ion 96.00 (95.70 to 96.70): VU0  
Ion 70.00 (69.70 to 70.70): VU0  
Ion 95.00 (94.70 to 95.70): VU0  
Ion 97.00 (96.70 to 97.70): VU0



#2

Dichlorodifluoromethane

Concen: 9.787 ug/l

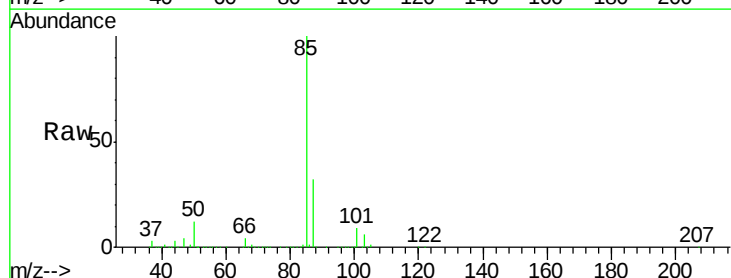
RT: 1.21 min Scan# 36

Delta R.T. 0.00 min

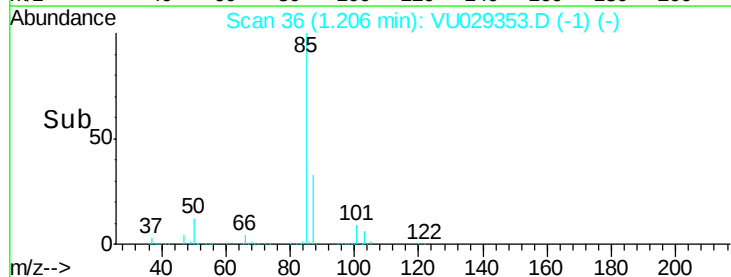
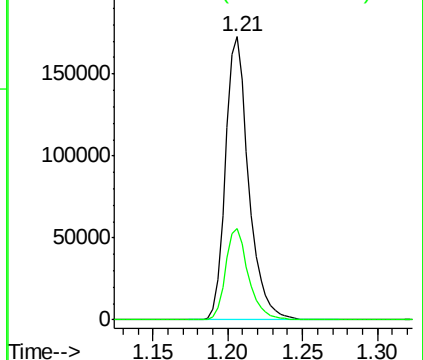
Lab File: VU029353.D

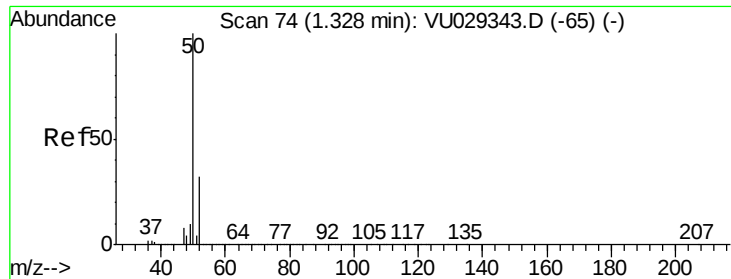
Acq: 05 Feb 2019 18:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 85    | Resp: | 185454 |
| Ion      | Ratio | Lower | Upper  |
| 85       | 100   |       |        |
| 87       | 32.5  | 15.9  | 47.6   |



Abundance Ion 85.00 (84.70 to 85.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.442 ug/l

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion: 50 Resp: 163499

Ion Ratio Lower Upper

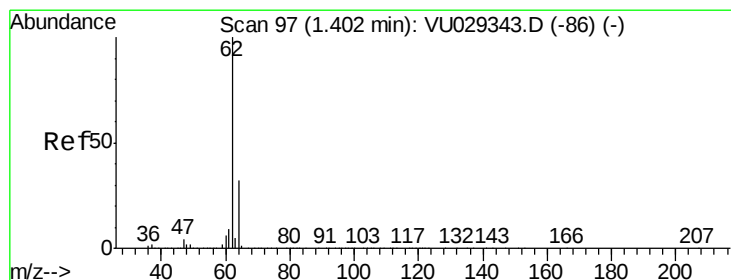
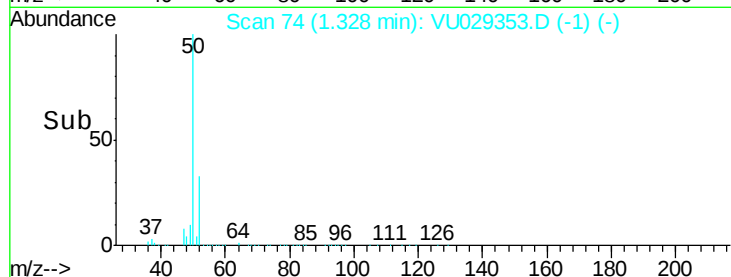
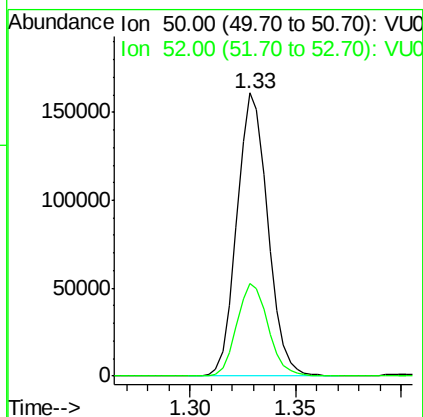
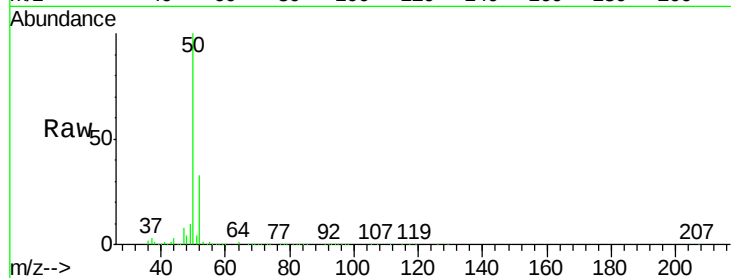
50 100

52 32.8 27.3 40.9

Manual Integrations  
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#4

Vinyl Chloride

Concen: 9.899 ug/l

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029353.D

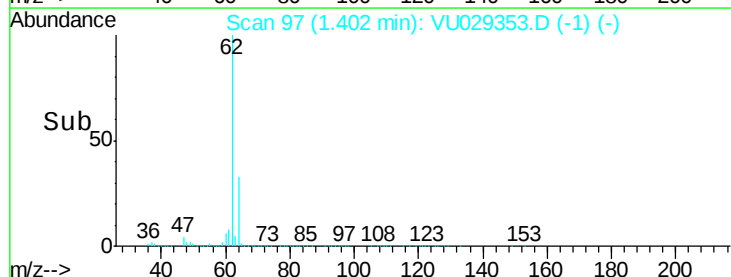
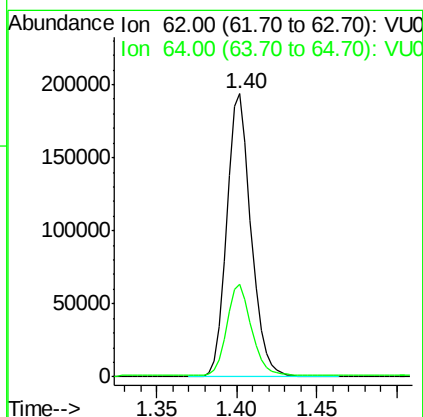
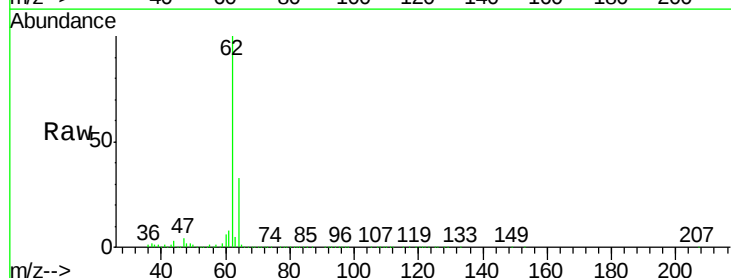
Acq: 05 Feb 2019 18:16

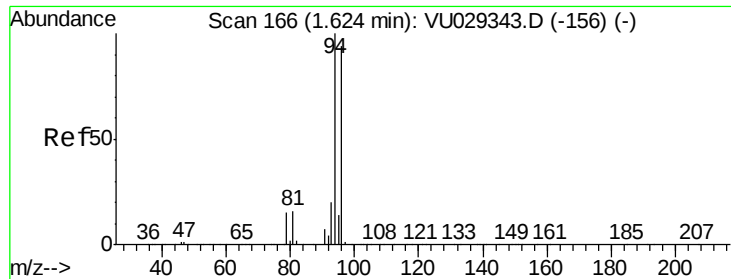
Tgt Ion: 62 Resp: 200933

Ion Ratio Lower Upper

62 100

64 32.1 25.2 37.8





#5

Bromomethane

Concen: 9.889 ug/l

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion: 94 Resp: 111660

Ion Ratio Lower Upper

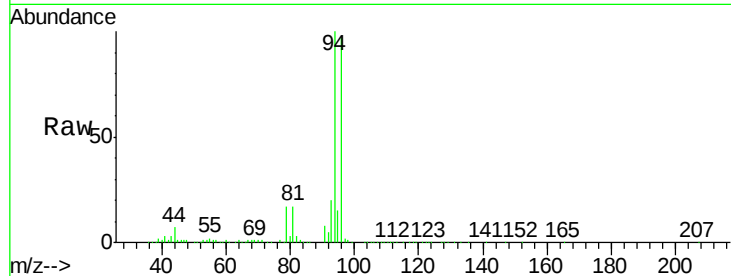
94 100

96 96.7 71.7 107.5

Manual Integrations  
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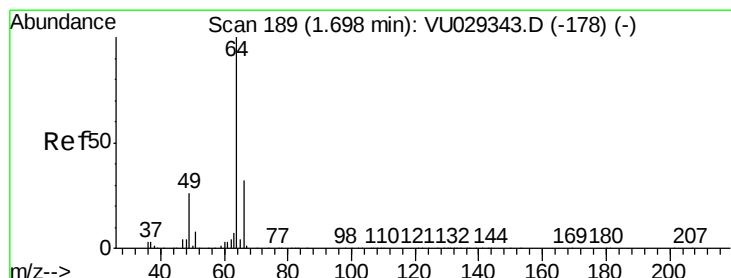
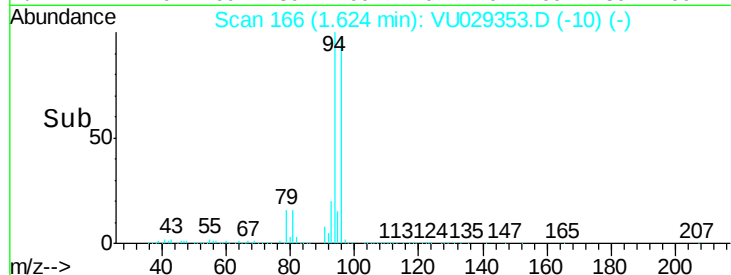
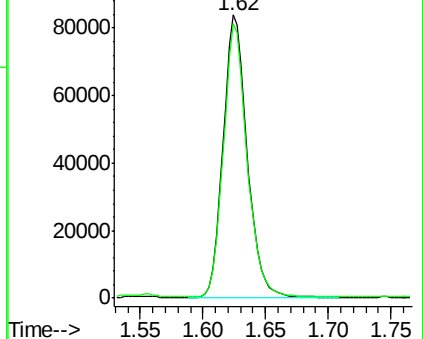
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.953 ug/l

RT: 1.70 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU029353.D

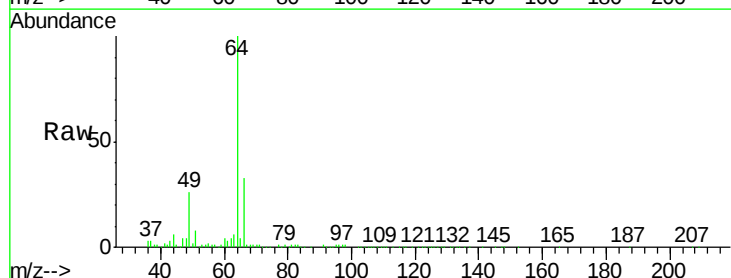
Acq: 05 Feb 2019 18:16

Tgt Ion: 64 Resp: 118032

Ion Ratio Lower Upper

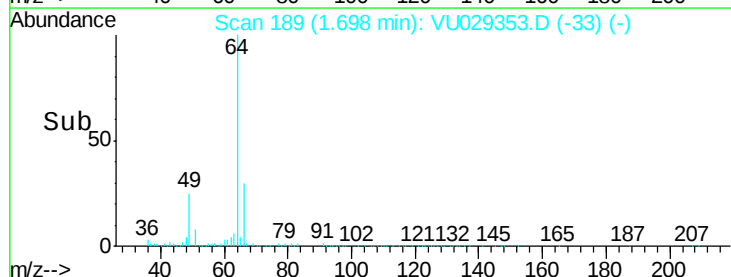
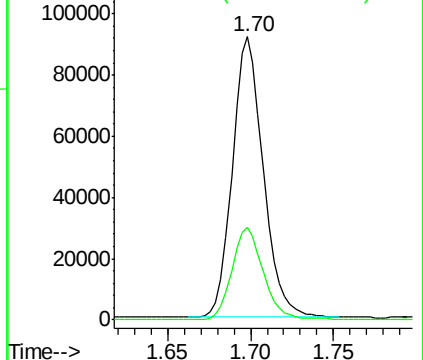
64 100

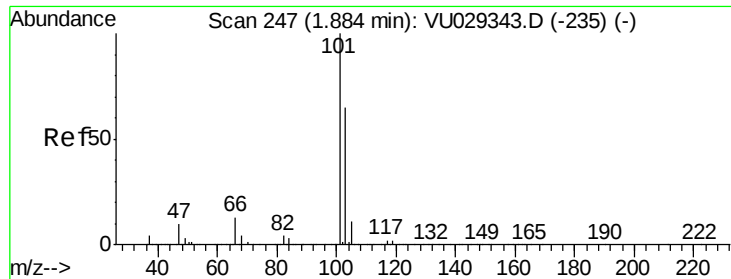
66 32.8 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

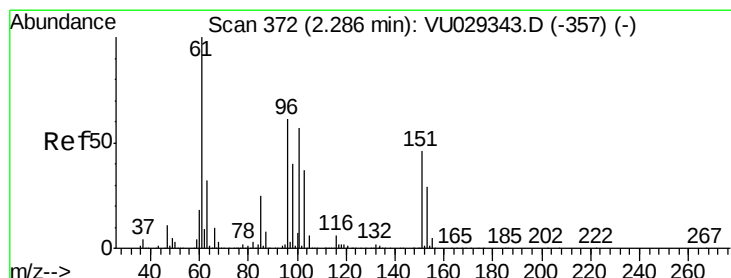
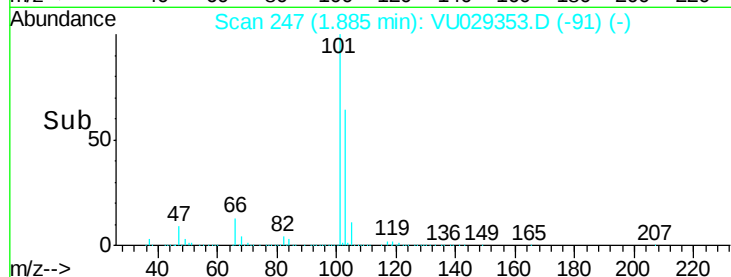
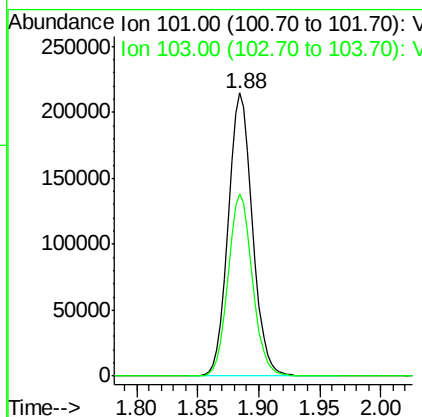
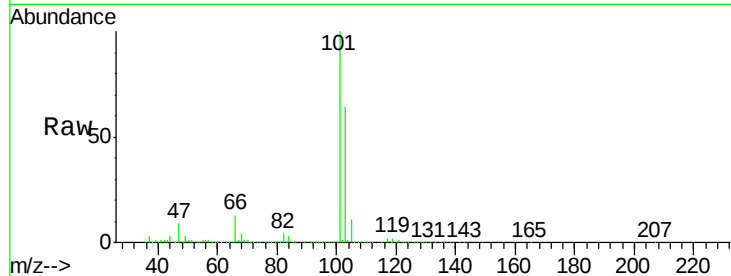
Trichlorofluoromethane  
Concen: 10.581 ug/l  
RT: 1.88 min Scan# 247  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 299943 |       |       |
| 103     | 64.4  | 53.9   | 80.9  |       |

Manual Integrations  
APPROVED

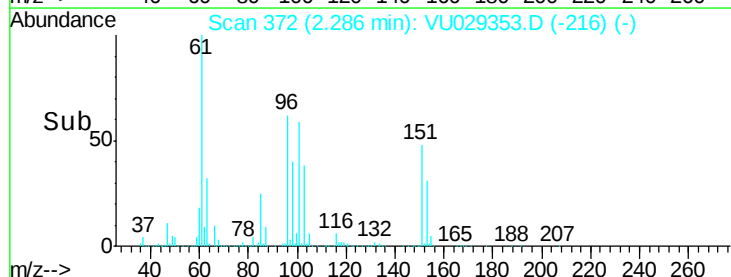
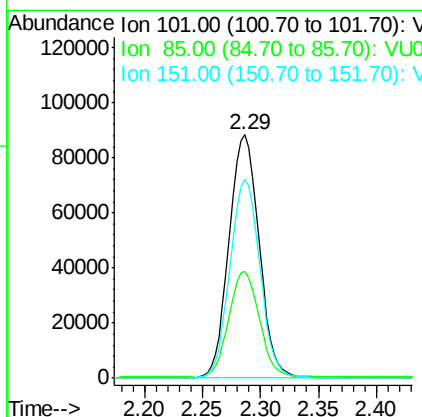
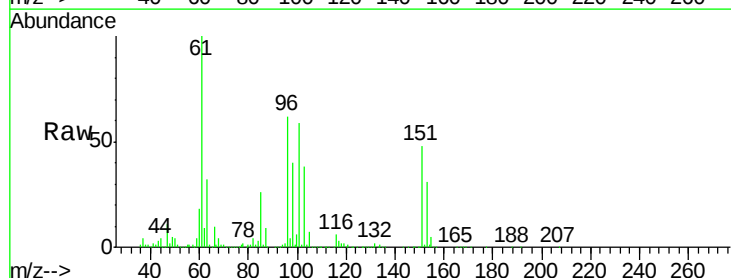
sam  
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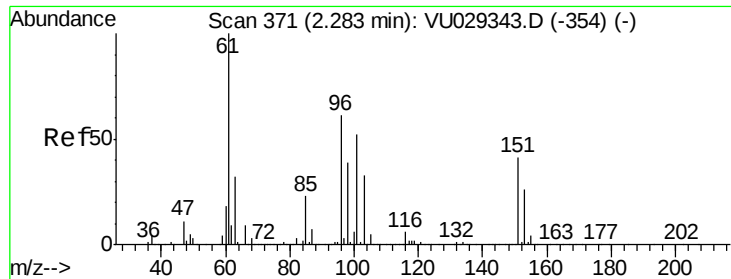


#8

1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 10.552 ug/l  
RT: 2.29 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 101     | 100   | 157944 |       |       |
| 85      | 43.6  | 40.3   | 60.5  |       |
| 151     | 81.6  | 58.1   | 87.1  |       |





#9

1,1-Dichloroethene

Concen: 10.415 ug/l

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

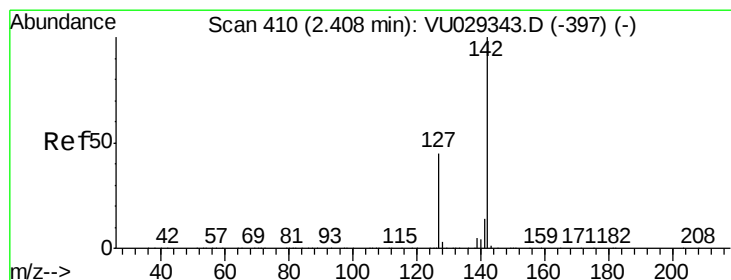
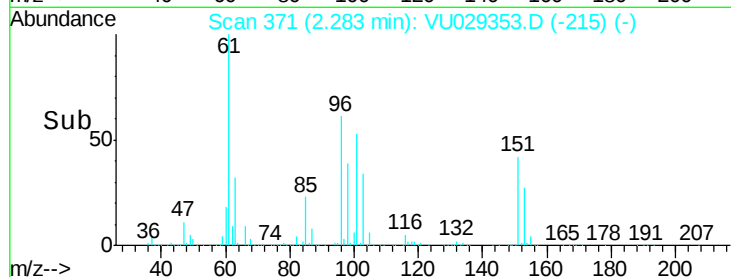
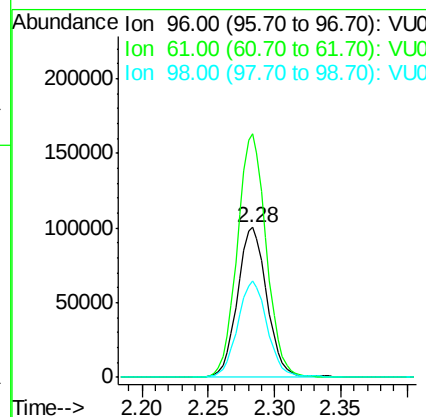
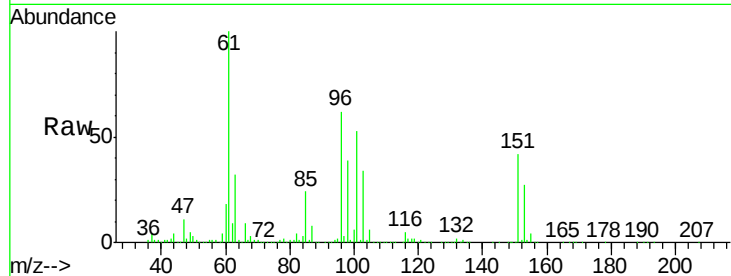
ClientSampleId :

VSTD01050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 152550 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 162.9 | 0.0   | 641.4  |
| 98        | 63.5  | 0.0   | 122.6  |

Manual Integrations  
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sam  
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#10

Iodomethane

Concen: 9.982 ug/l

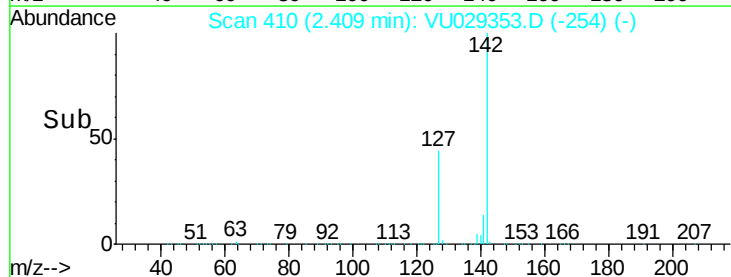
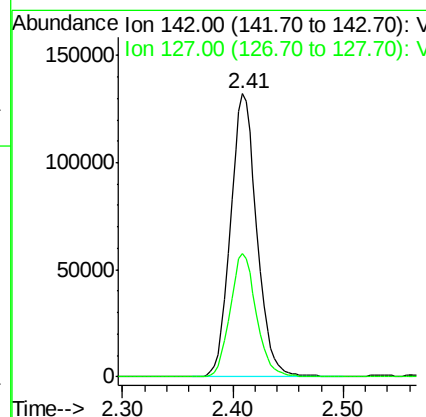
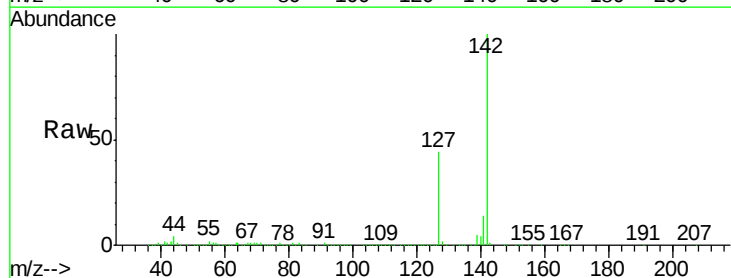
RT: 2.41 min Scan# 410

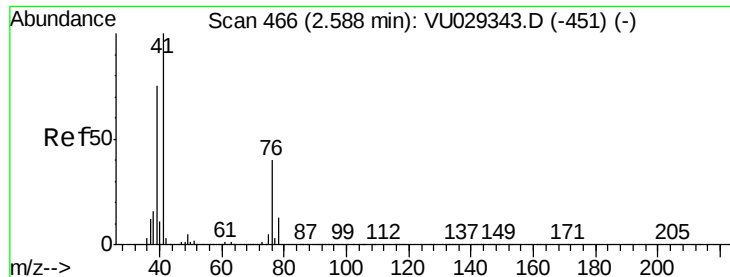
Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 218811 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 43.4  | 47.6  | 71.4#  |





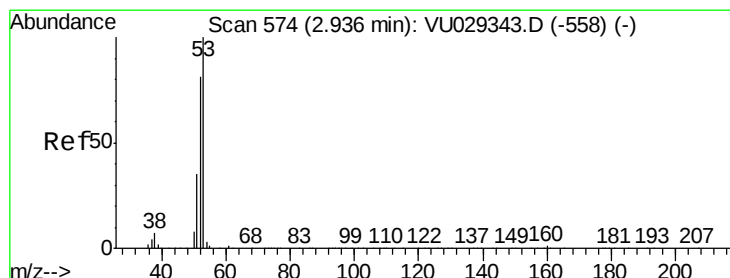
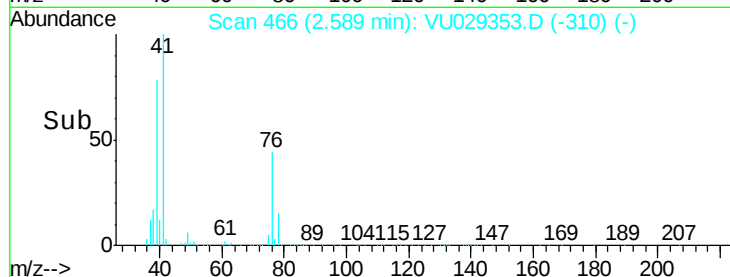
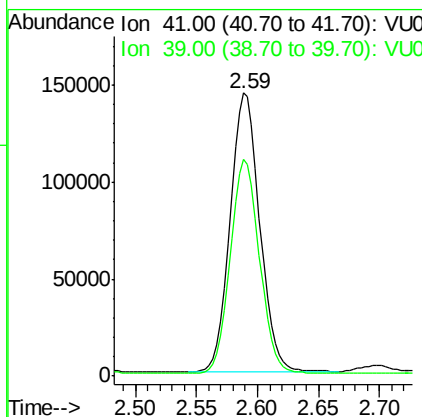
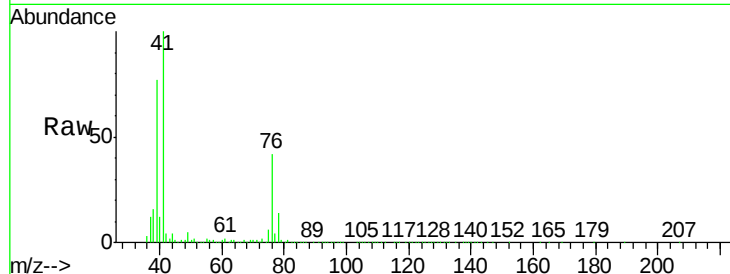
#11  
Allvl Chloride  
Concen: 9.852 ug/l  
RT: 2.59 min Scan# 466  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 76.2  | 67.2  | 100.8 |

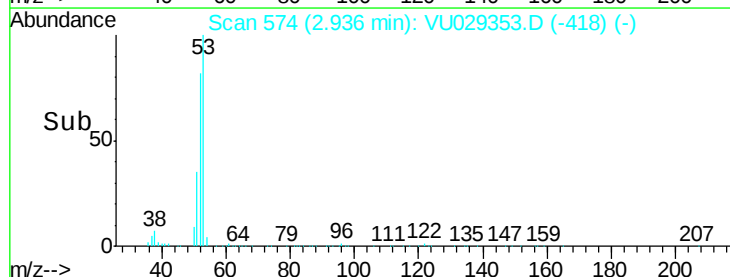
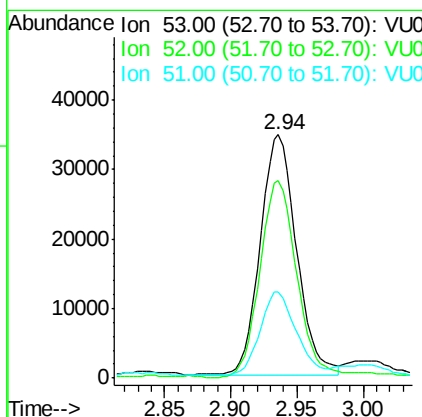
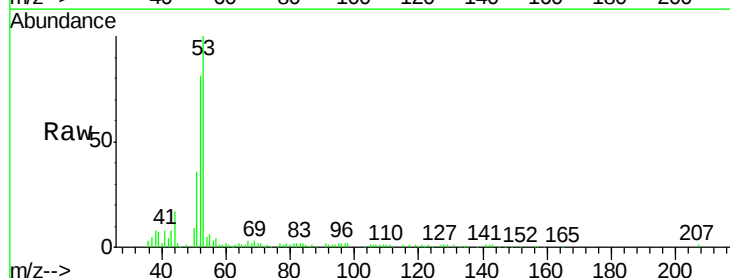
Manual Integrations  
APPROVED

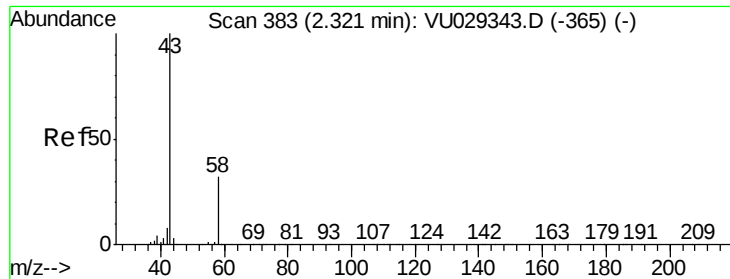
sam  
2/8/2019 2:26:54 PM



#12  
Acrylonitrile  
Concen: 20.204 ug/l  
RT: 2.94 min Scan# 574  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 53      | 100   |       |       |
| 52      | 83.6  | 67.6  | 101.4 |
| 51      | 34.8  | 31.0  | 46.4  |





#13

Acetone

Concen: 43.963 ug/l

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion: 43 Resp: 139095

Ion Ratio Lower Upper

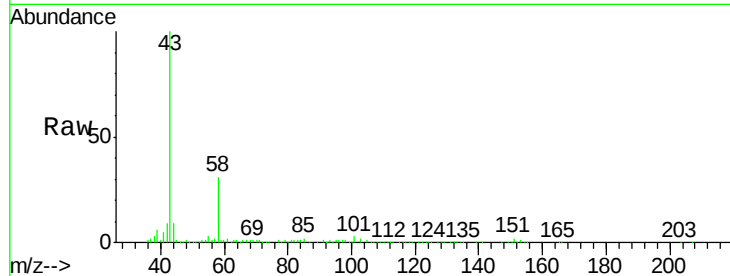
43 100

58 31.1 19.2 28.8#

Manual Integrations  
APPROVED

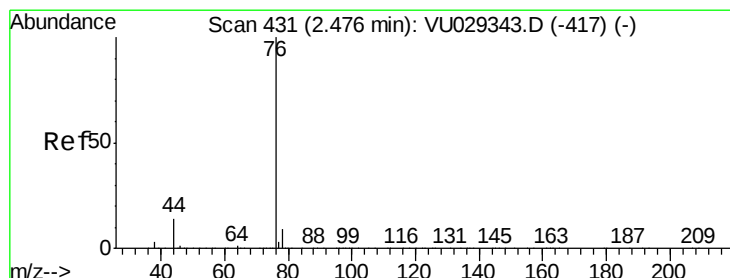
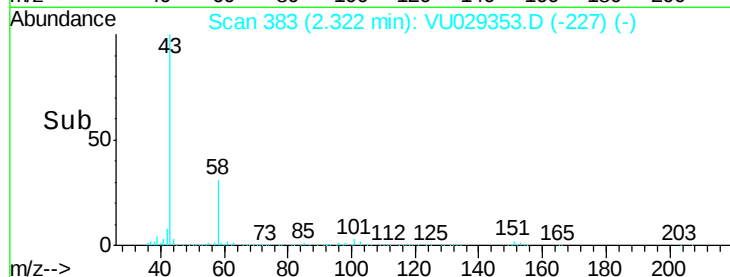
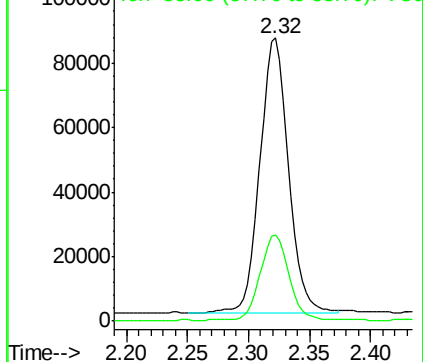
sam

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon Disulfide

Concen: 10.167 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029353.D

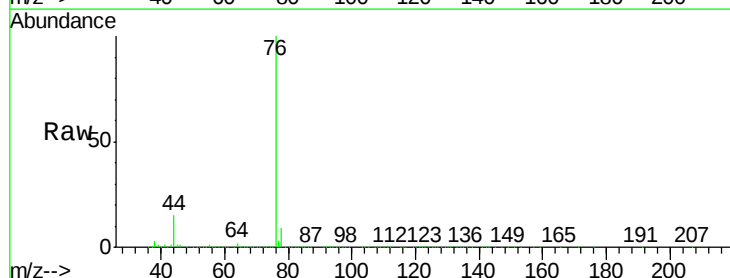
Acq: 05 Feb 2019 18:16

Tgt Ion: 76 Resp: 525774

Ion Ratio Lower Upper

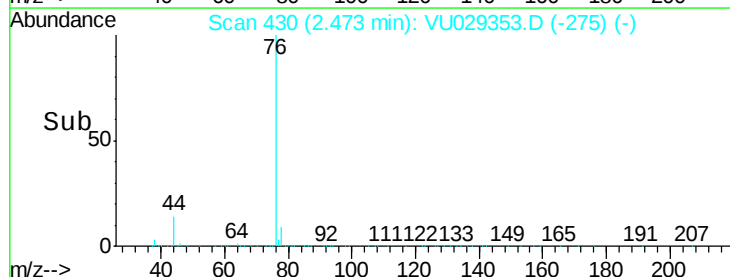
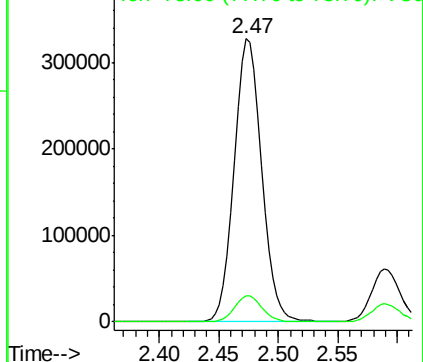
76 100

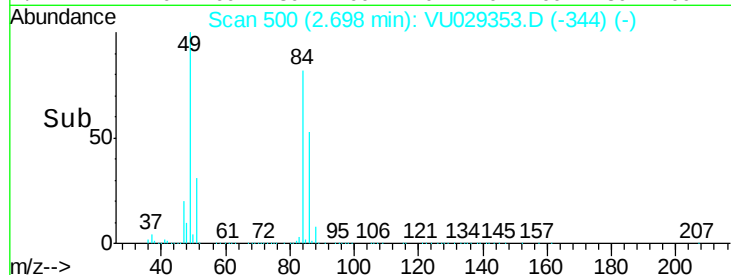
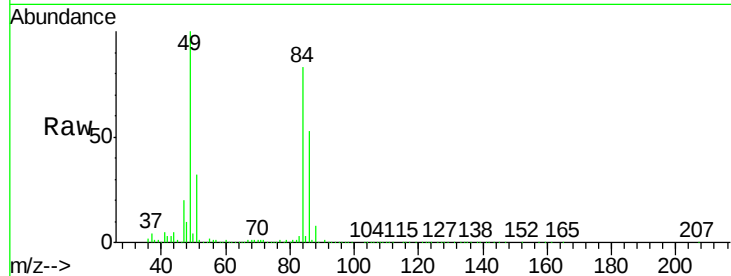
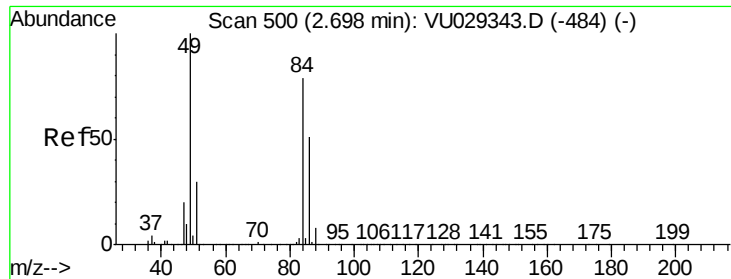
78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





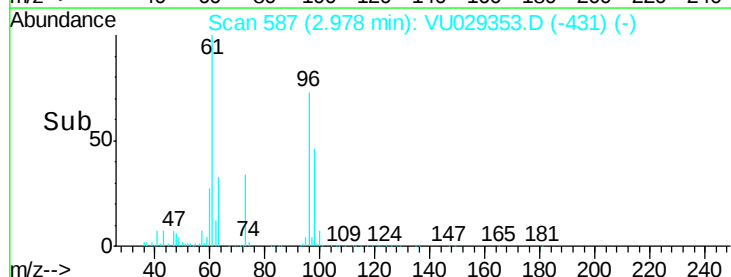
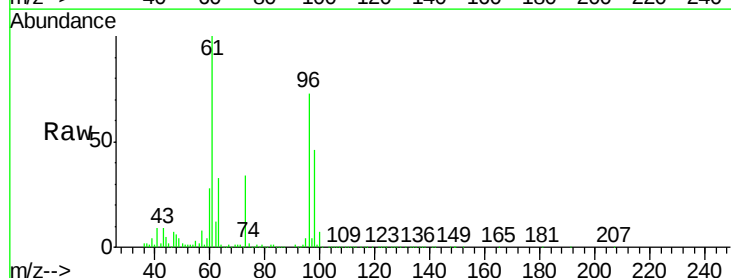
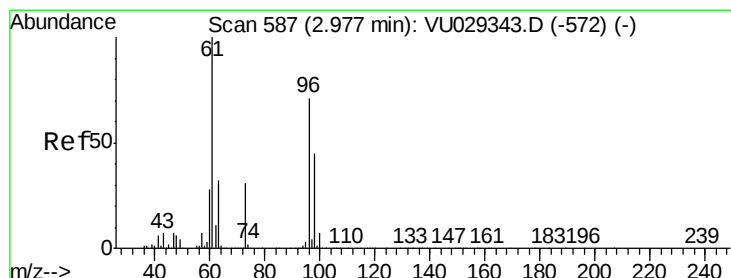
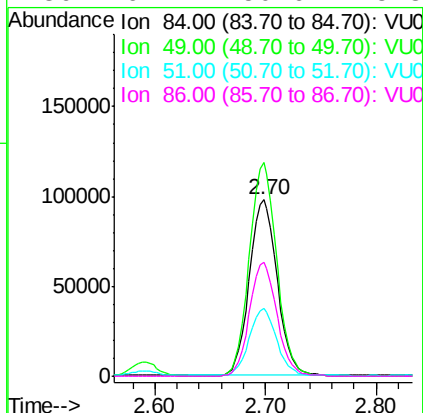
#15  
Methvlene Chloride  
Concen: 9.635 ug/l  
RT: 2.70 min Scan# 500  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 84      | 100   |       |        |
| 49      | 121.5 | 127.0 | 190.6# |
| 51      | 38.0  | 0.0   | 93.4   |
| 86      | 64.7  | 50.6  | 75.8   |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

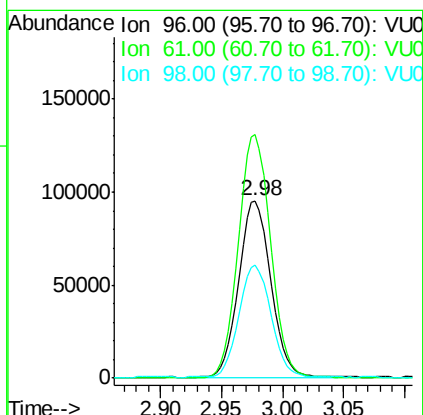
Manual Integrations  
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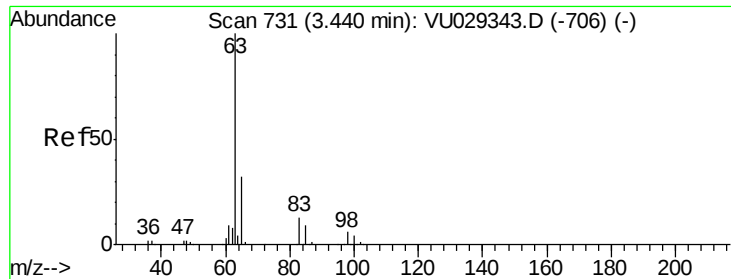
sam  
2/8/2019 2:26:54 PM



#16  
trans-1,2-Dichloroethene  
Concen: 10.524 ug/l  
RT: 2.98 min Scan# 587  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 96      | 100   |       |        |
| 61      | 137.5 | 140.6 | 210.8# |
| 98      | 63.0  | 49.3  | 73.9   |





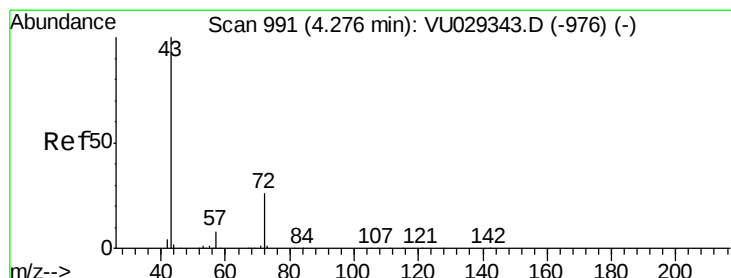
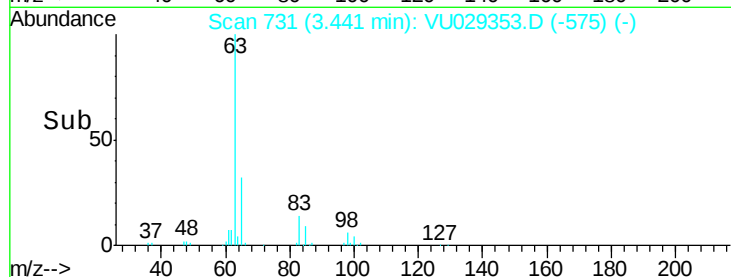
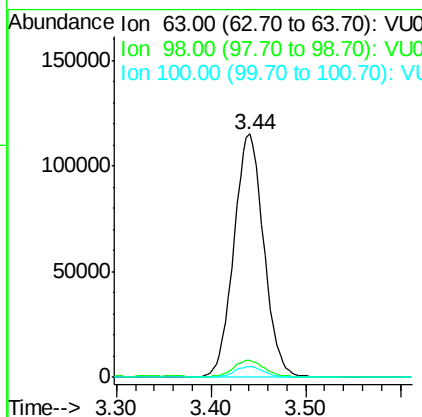
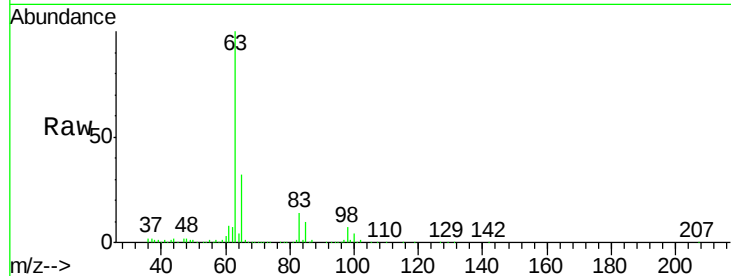
#17  
 1,1-Dichloroethane  
 Concen: 9.710 ug/l  
 RT: 3.44 min Scan# 731  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion   | 63    | Resp  | 252041 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 63        | 100   |       |        |
| 98        | 6.7   | 2.9   | 8.8    |
| 100       | 4.4   | 1.7   | 5.1    |

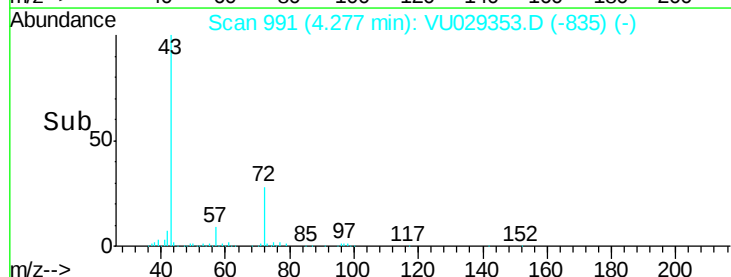
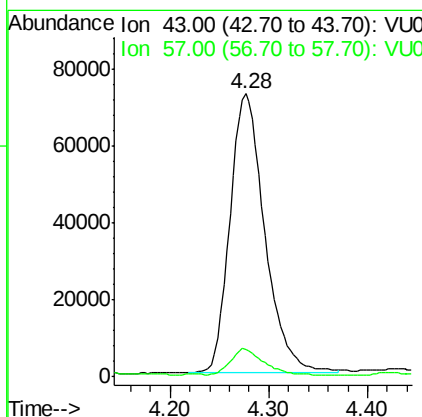
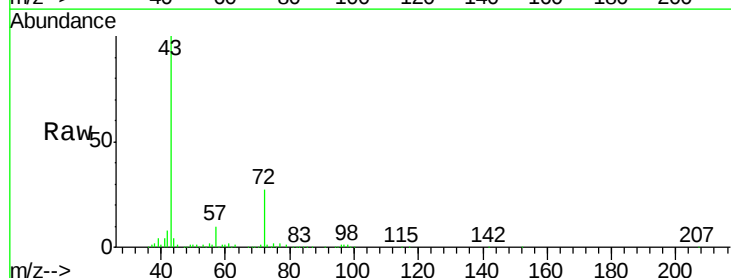
Manual Integrations  
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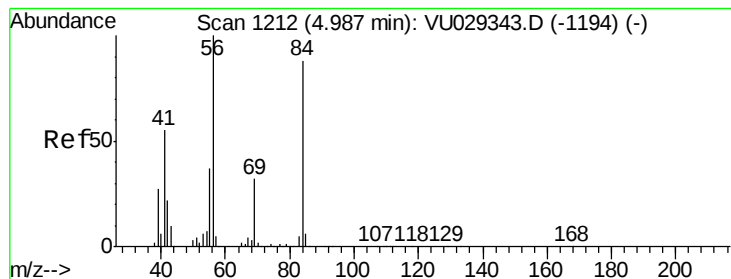
sam  
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#18  
 2-Butanone  
 Concen: 50.180 ug/l  
 RT: 4.28 min Scan# 991  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion   | 43    | Resp  | 177445 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 57        | 9.1   | 0.0   | 15.8   |





#19

Cyclohexane

Concen: 9.104 ug/l m

RT: 4.99 min Scan# 1212

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

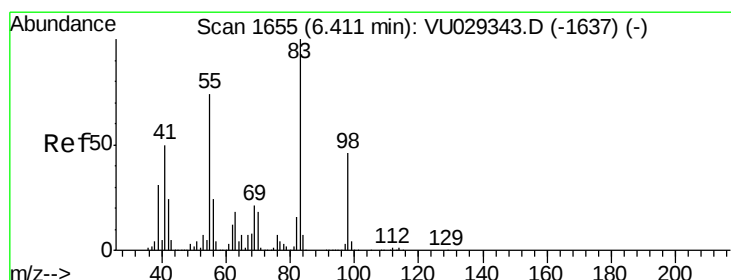
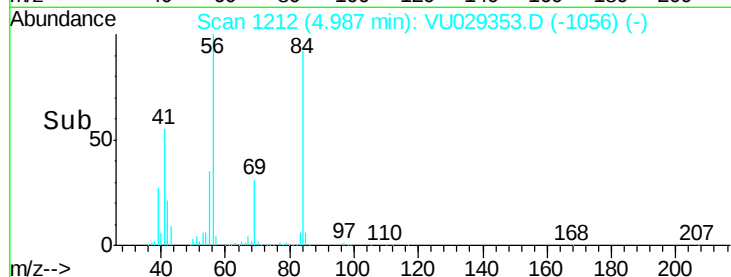
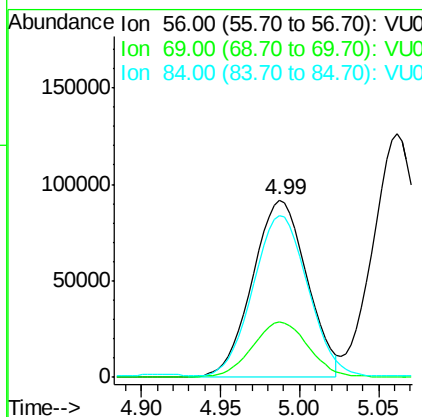
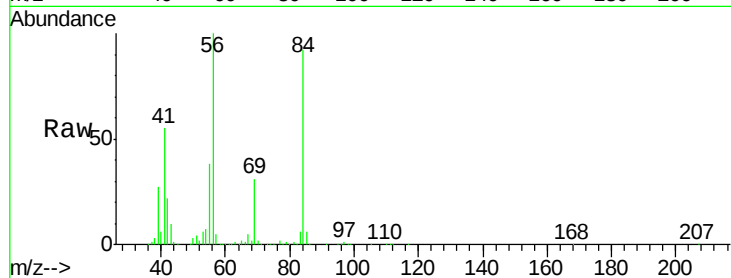
ClientSampleId :

VSTD01050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 56    | Resp: | 219095 |
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 69        | 31.6  | 26.8  | 40.2   |
| 84        | 90.8  | 71.5  | 107.3  |

Manual Integrations  
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#20

Methylcyclohexane

Concen: 10.082 ug/l

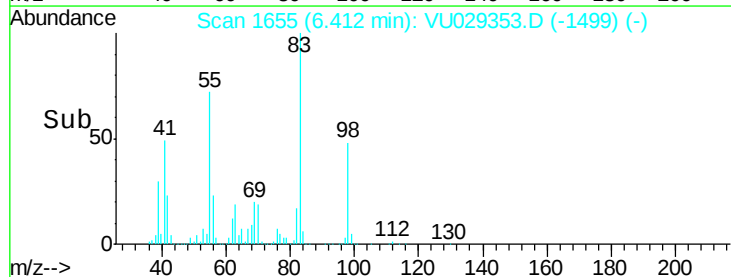
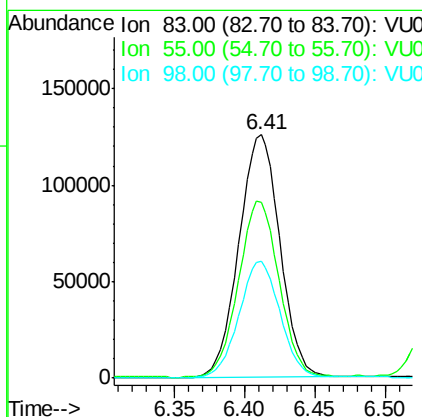
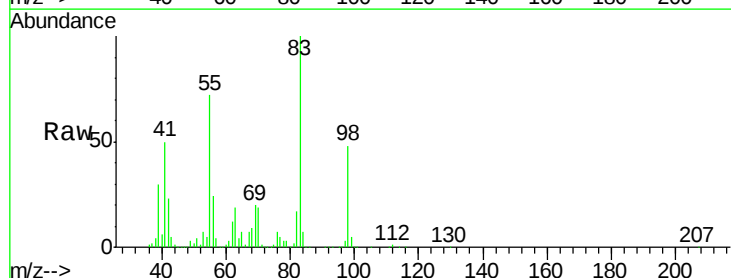
RT: 6.41 min Scan# 1655

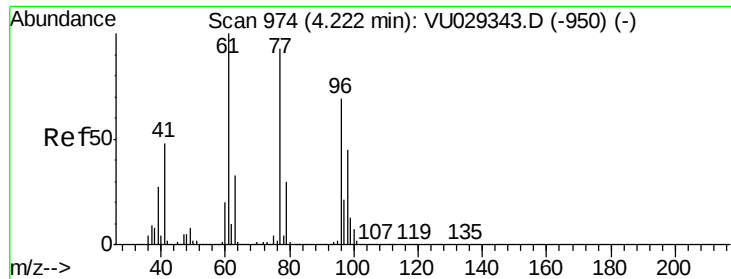
Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 83    | Resp: | 254850 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 55        | 71.6  | 72.4  | 108.6# |
| 98        | 48.0  | 36.6  | 54.8   |





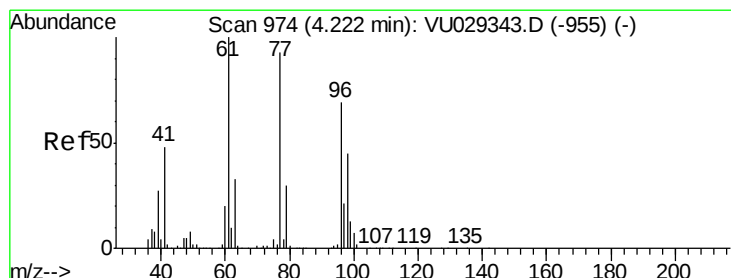
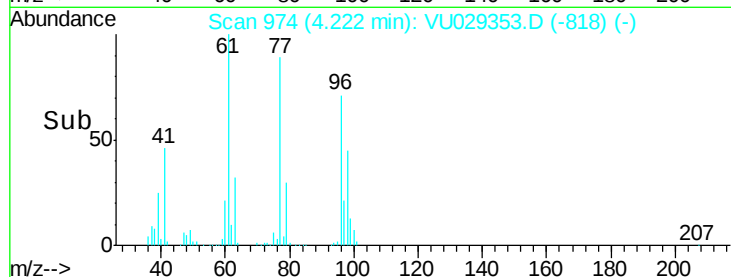
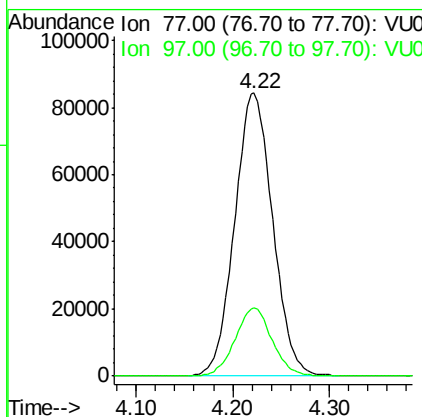
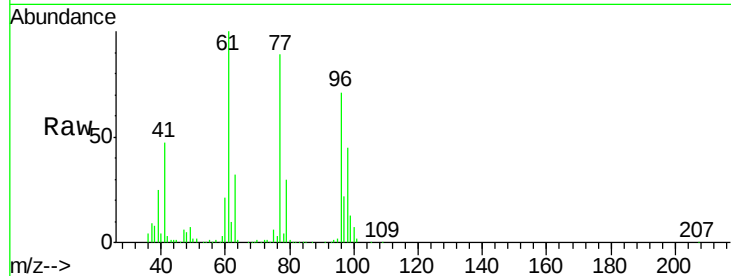
#21  
 2,2-Dichloropropane  
 Concen: 9.525 ug/l  
 RT: 4.22 min Scan# 974  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 97      | 23.4  | 15.6  | 23.4  |

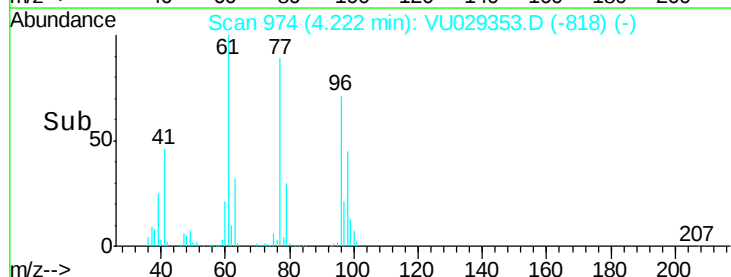
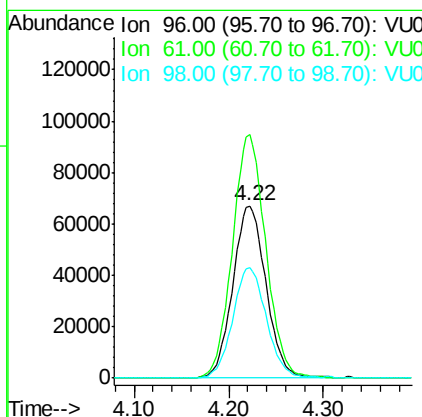
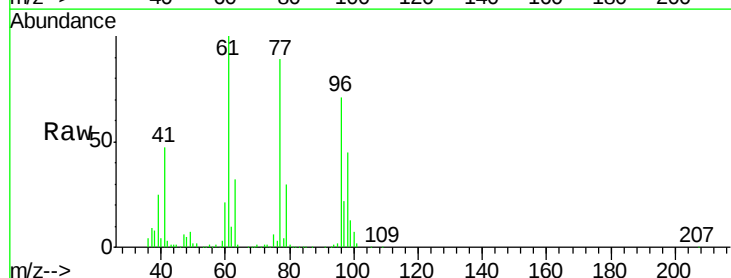
Manual Integrations  
 APPROVED

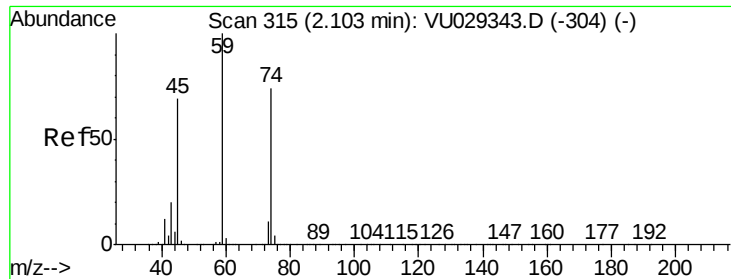
sam  
 2/8/2019 2:26:54 PM



#22  
 cis-1,2-Dichloroethene  
 Concen: 10.498 ug/l  
 RT: 4.22 min Scan# 974  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 143.3 | 0.0   | 460.0 |
| 98      | 64.6  | 32.6  | 97.7  |





#23

Diethyl Ether

Concen: 10.244 ug/l

RT: 2.10 min Scan# 315

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

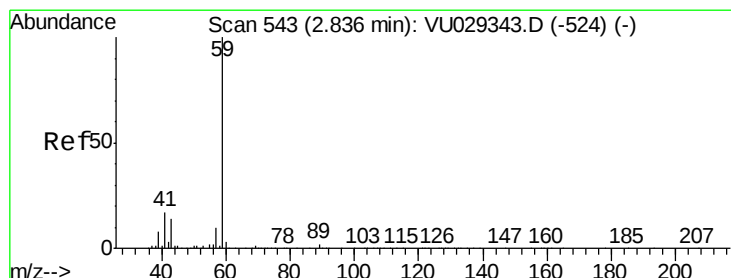
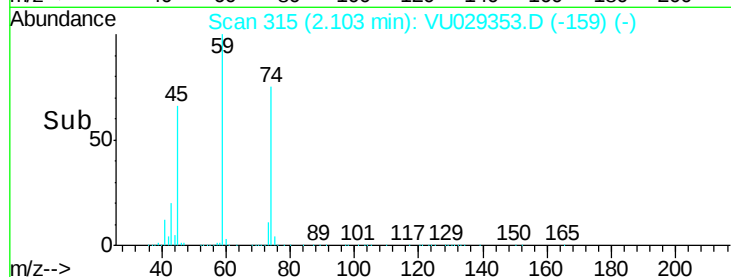
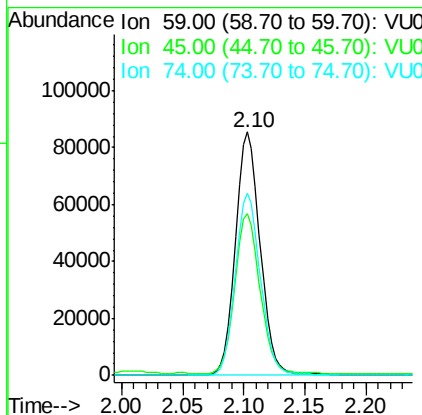
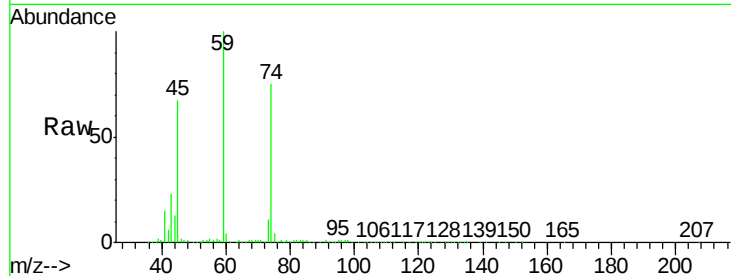
ClientSampleId :

VSTD01050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 59    | Resp: | 120492 |
| Ion Ratio | Lower | Upper |        |
| 59        | 100   |       |        |
| 45        | 66.5  | 64.2  | 96.4   |
| 74        | 75.6  | 55.3  | 82.9   |

Manual Integrations  
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sam  
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#24

tert-Butyl Alcohol

Concen: 98.453 ug/l

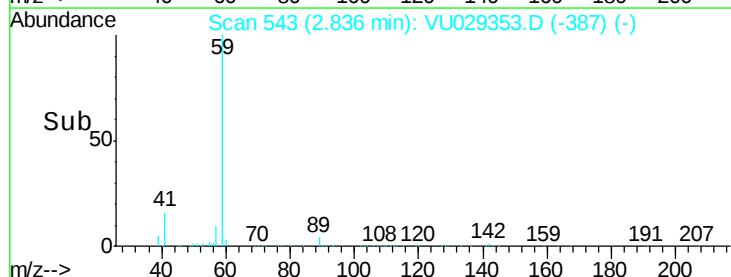
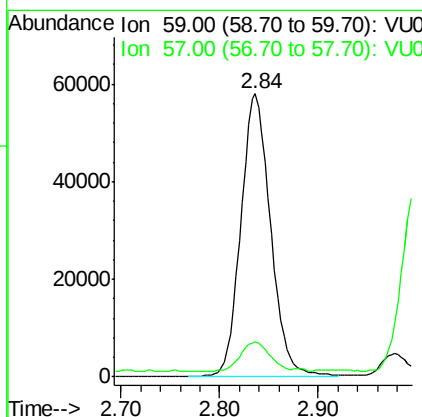
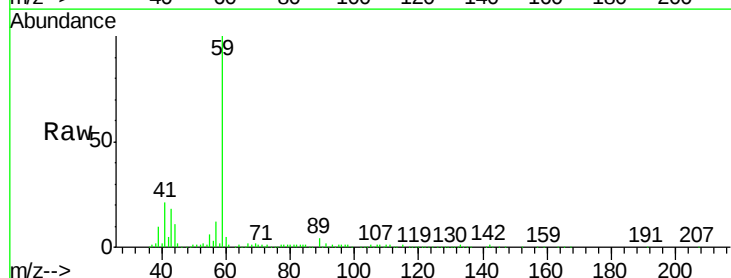
RT: 2.84 min Scan# 543

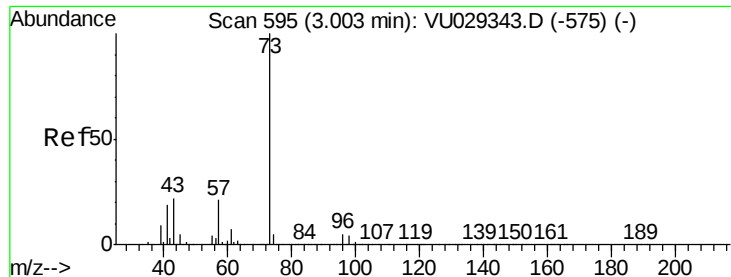
Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 59    | Resp: | 120342 |
| Ion Ratio | Lower | Upper |        |
| 59        | 100   |       |        |
| 57        | 11.0  | 8.8   | 13.2   |





#25

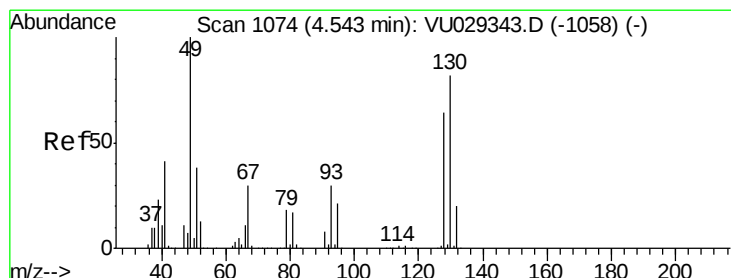
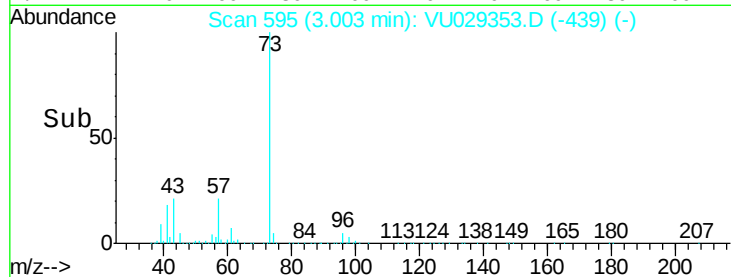
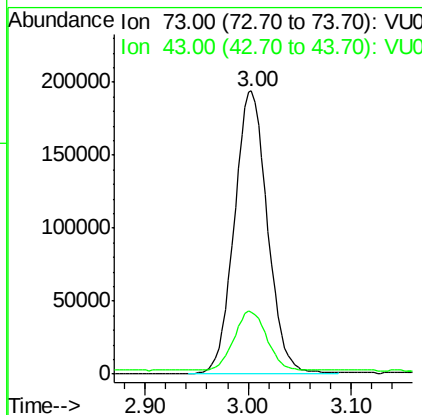
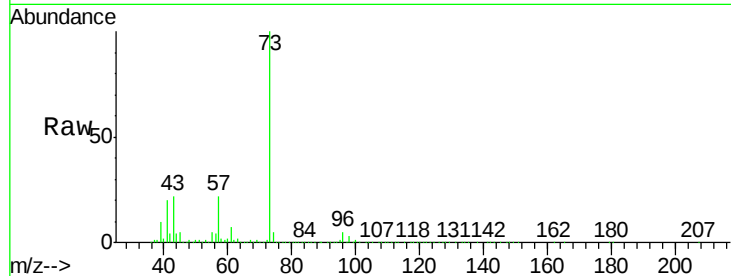
Methyl tert-Butyl Ether  
 Concen: 10.472 ug/l  
 RT: 3.00 min Scan# 595  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 20.4  | 22.1  | 33.1# |

Manual Integrations  
 APPROVED

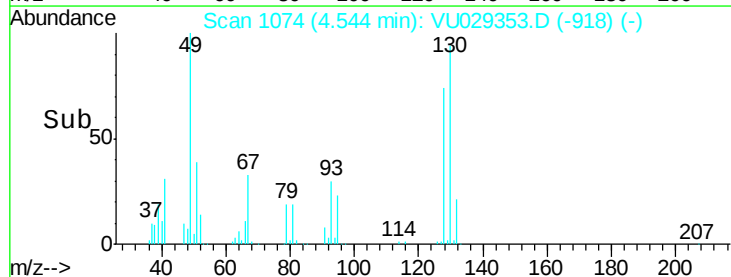
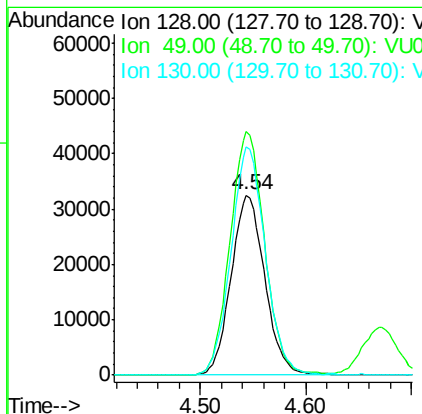
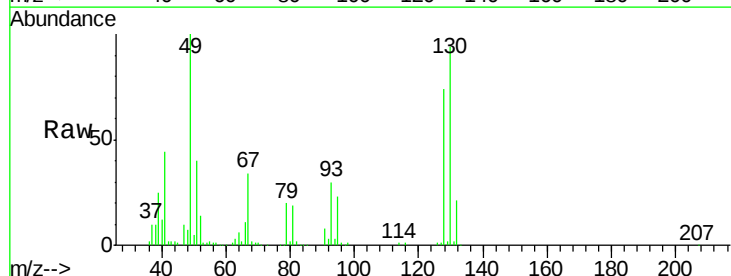
sam  
 2/8/2019 2:26:54 PM

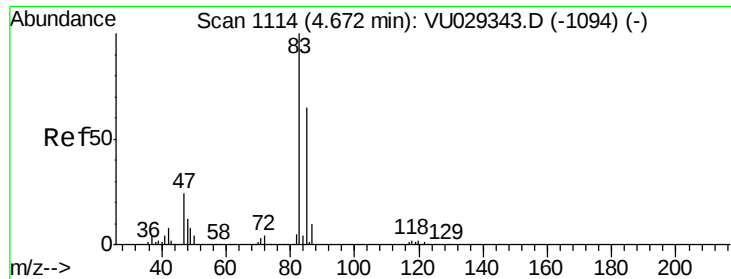


#26

Bromochloromethane  
 Concen: 10.579 ug/l  
 RT: 4.54 min Scan# 1074  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 49      | 138.6 | 0.0   | 401.6 |
| 130     | 128.8 | 108.0 | 162.0 |





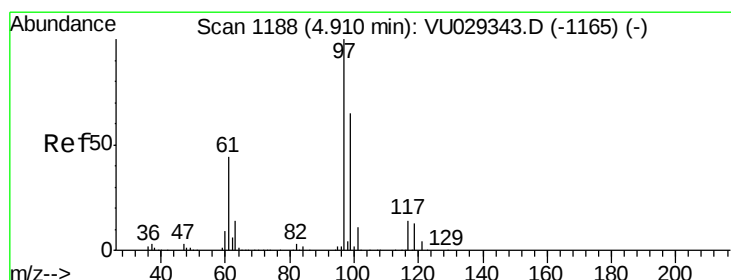
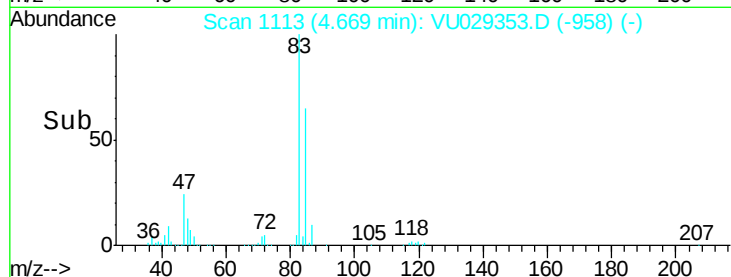
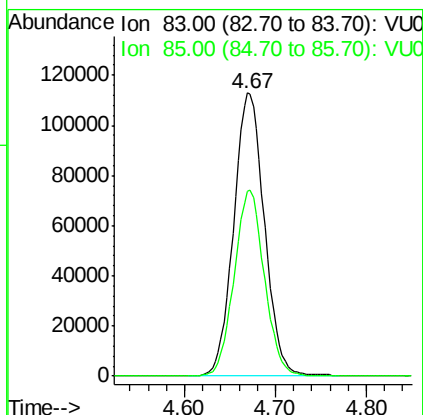
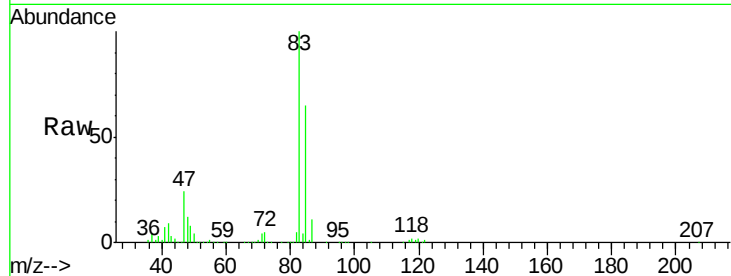
#27  
Chloroform  
Concen: 10.445 ug/l  
RT: 4.67 min Scan# 1113  
Delta R.T. -0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion   | 83   | Resp  | 263643 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 85        | 65.0 | 0.0   | 126.6  |

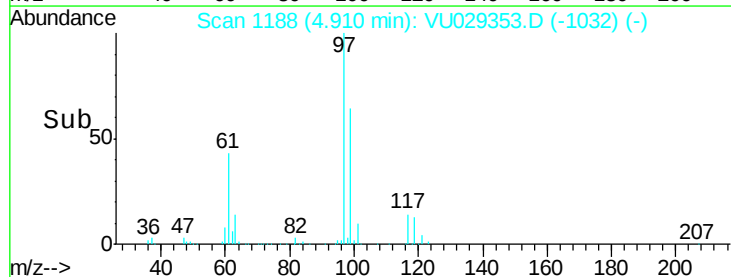
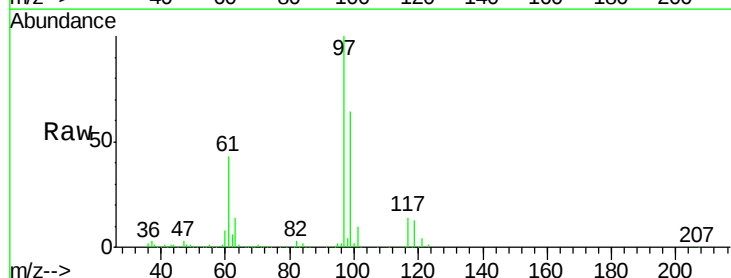
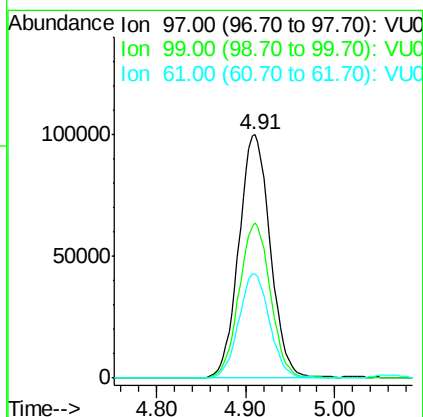
Manual Integrations  
APPROVED

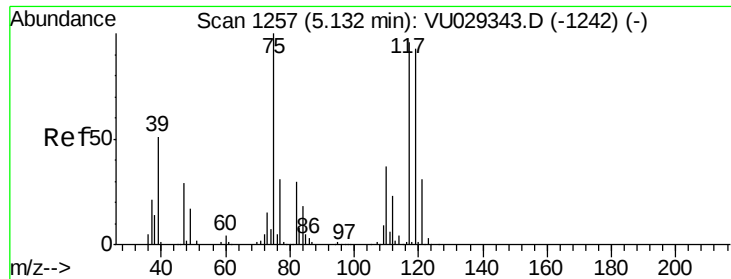
sam  
2/8/2019 2:26:54 PM



#28  
1,1,1-Trichloroethane  
Concen: 10.408 ug/l  
RT: 4.91 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion   | 97   | Resp  | 243507 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 99        | 64.0 | 32.4  | 97.2   |
| 61        | 42.5 | 24.4  | 73.2   |





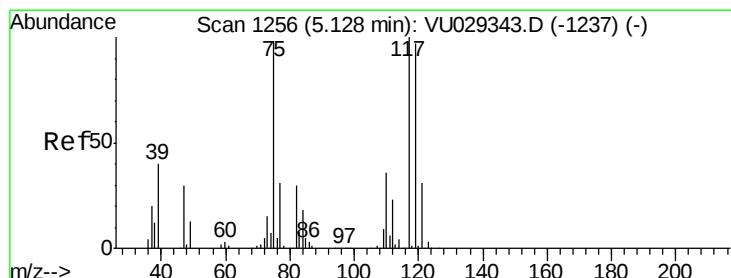
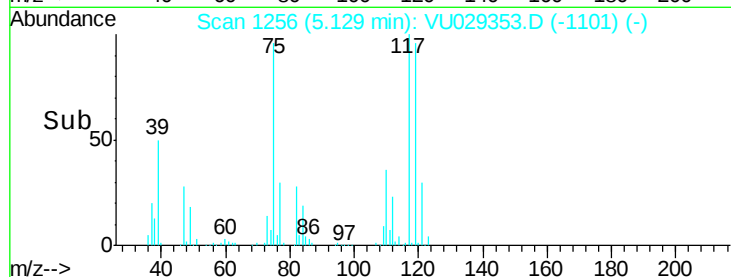
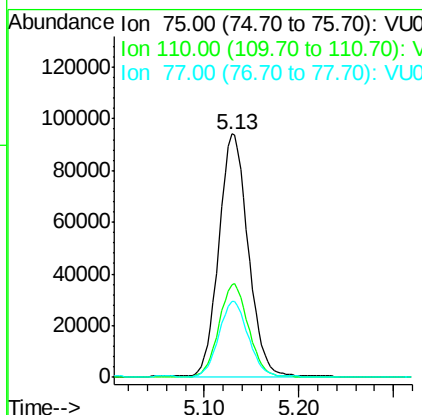
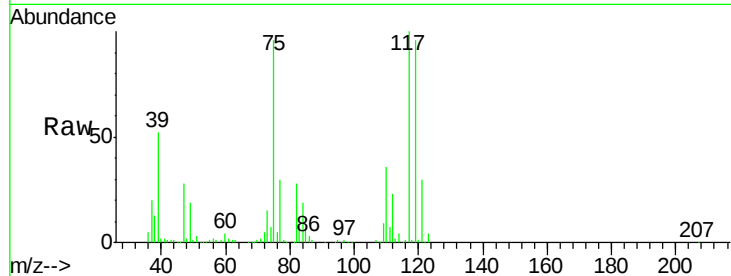
#29  
 1,1-Dichloropropene  
 Concen: 9.923 ug/l  
 RT: 5.13 min Scan# 1256  
 Delta R.T. -0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 39.4  | 15.4  | 46.2  |
| 77      | 31.3  | 24.1  | 36.1  |

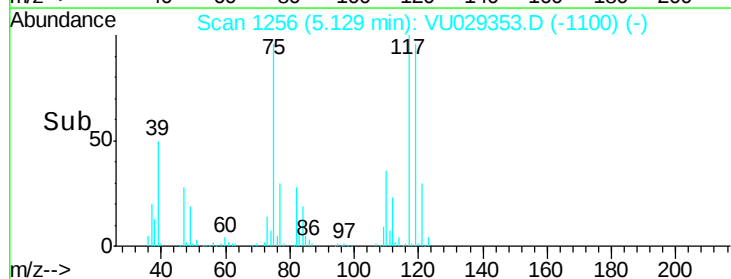
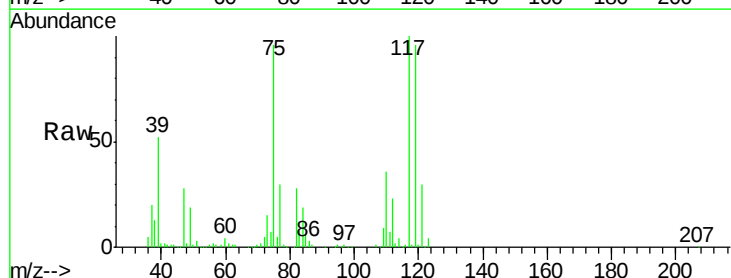
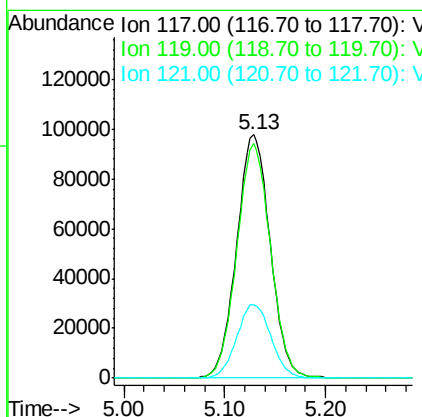
Manual Integrations  
 APPROVED

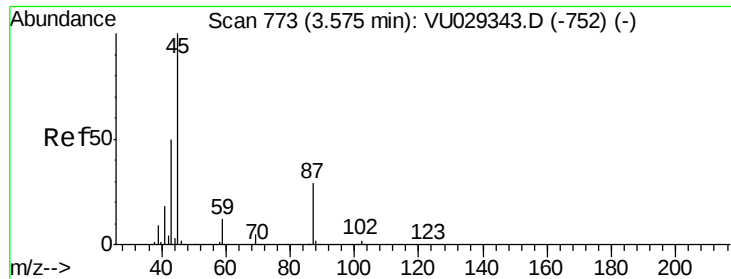
sam  
 2/8/2019 2:26:54 PM



#30  
 Carbon Tetrachloride  
 Concen: 10.660 ug/l  
 RT: 5.13 min Scan# 1256  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 76.8  | 115.2 |
| 121     | 30.2  | 24.4  | 36.6  |





#31

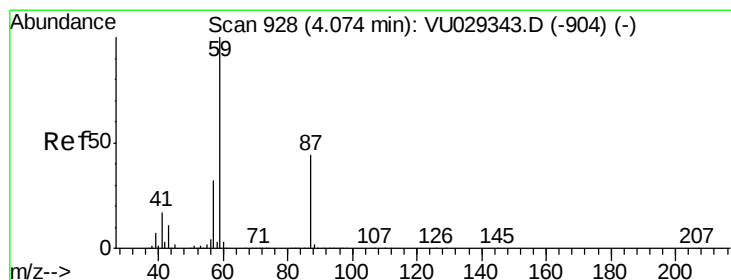
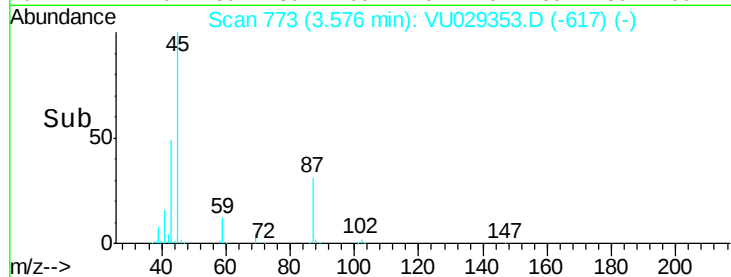
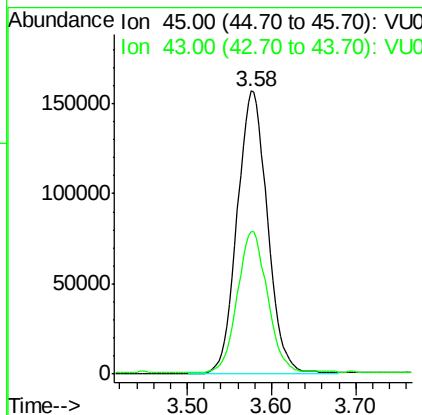
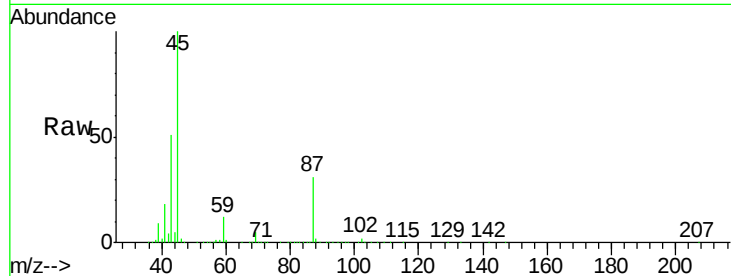
Isopropyl Ether  
 Concen: 10.021 ug/l  
 RT: 3.58 min Scan# 773  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion   | 45   | Resp  | 392489 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 43        | 49.1 | 28.4  | 85.3   |

Manual Integrations  
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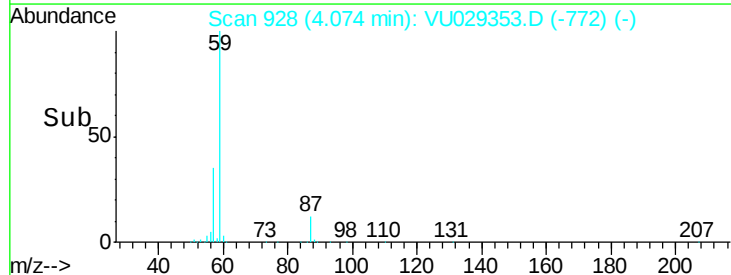
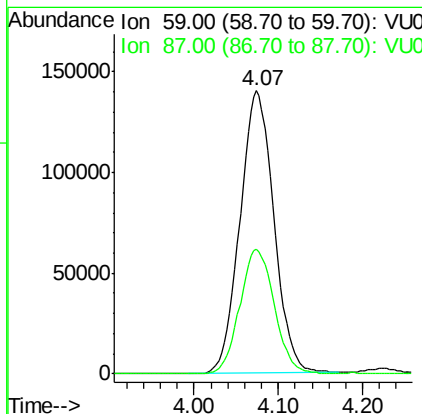
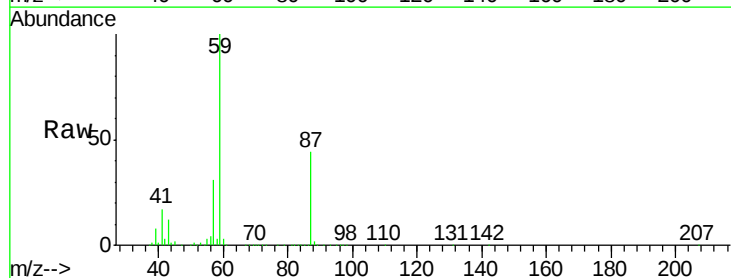
sam  
 2/8/2019 2:26:54 PM

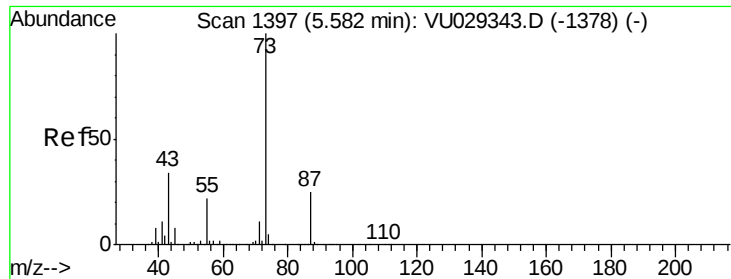


#32

Ethyl-t-butyl ether  
 Concen: 9.963 ug/l  
 RT: 4.07 min Scan# 928  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion   | 59   | Resp  | 391020 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 87        | 44.5 | 31.1  | 46.7   |





#33

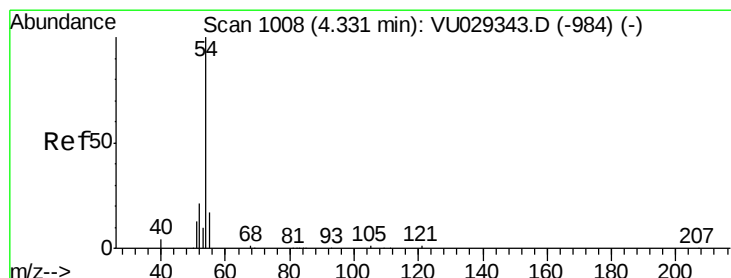
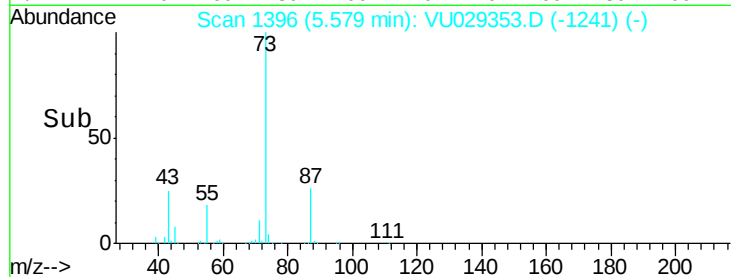
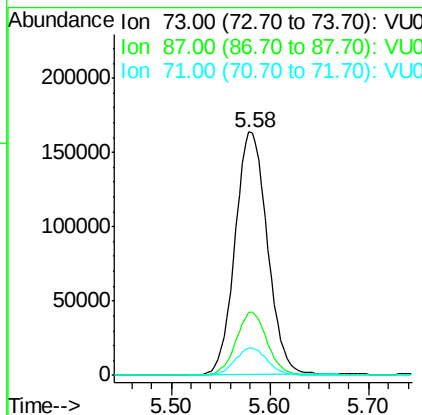
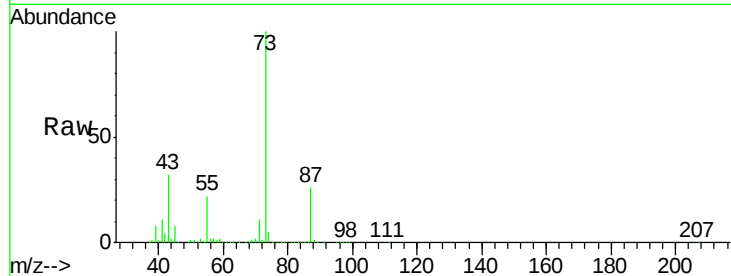
Tert-Amvl methvl ether  
 Concen: 10.416 ug/l  
 RT: 5.58 min Scan# 1396  
 Delta R.T. -0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 87      | 25.0  | 19.4  | 29.0  |
| 71      | 11.3  | 9.0   | 13.4  |

Manual Integrations  
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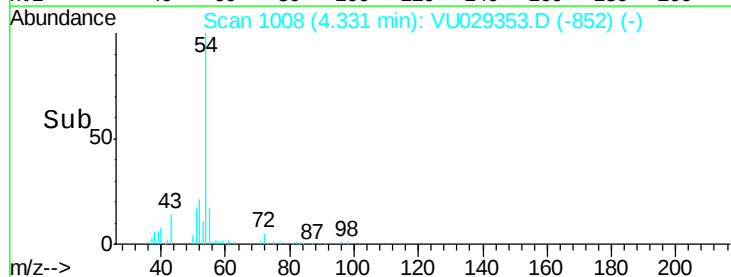
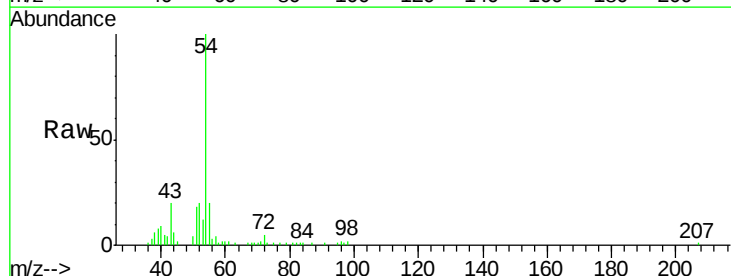
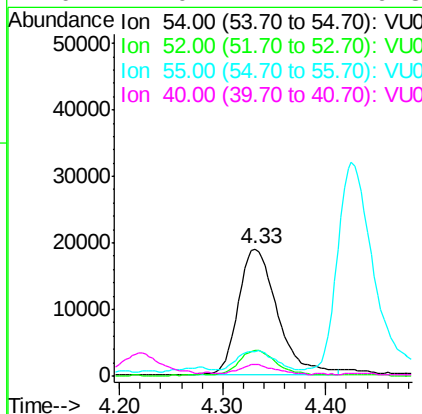
sam  
 2/8/2019 2:26:54 PM

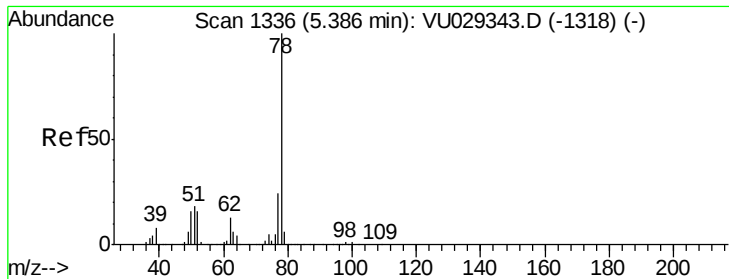


#34

Propionitrile  
 Concen: 53.742 ug/l  
 RT: 4.33 min Scan# 1008  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 54      | 100   |       |       |
| 52      | 18.6  | 18.9  | 28.3# |
| 55      | 14.4  | 15.1  | 22.7# |
| 40      | 7.0   | 7.2   | 10.8# |





#35

Benzene

Concen: 10.183 ug/l

RT: 5.39 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion: 78 Resp: 571949

Ion Ratio Lower Upper

78 100

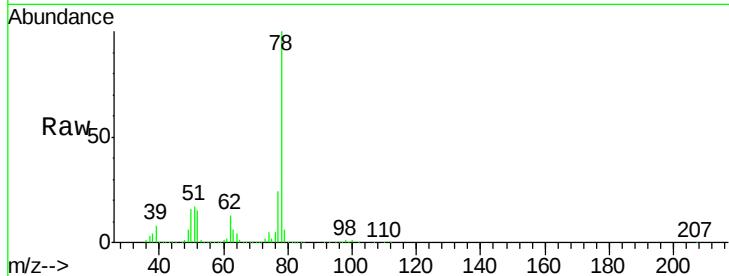
77 24.4 19.8 29.8

Manual Integrations

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sam

2/8/2019 2:26:54 PM



Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

250000

200000

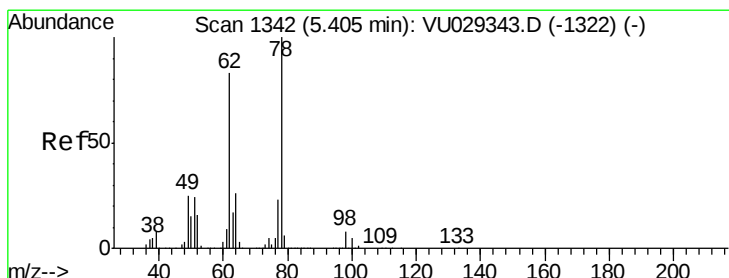
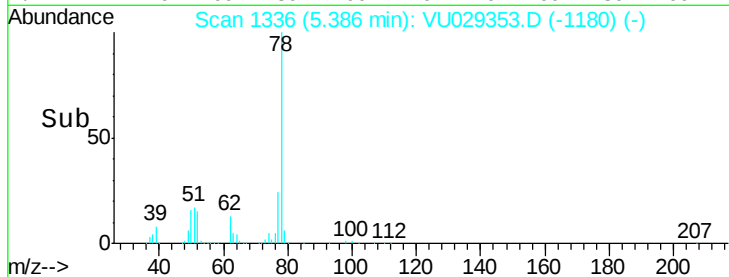
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.091 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029353.D

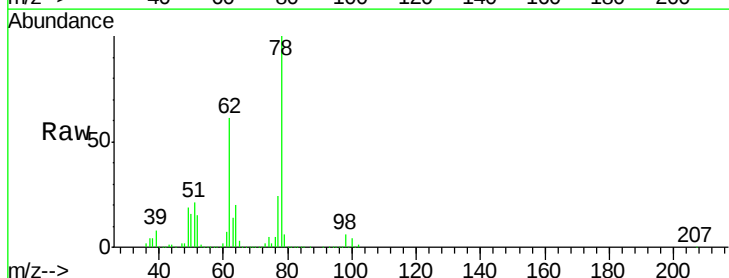
Acq: 05 Feb 2019 18:16

Tgt Ion: 62 Resp: 171436

Ion Ratio Lower Upper

62 100

98 9.0 4.9 7.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.40

80000

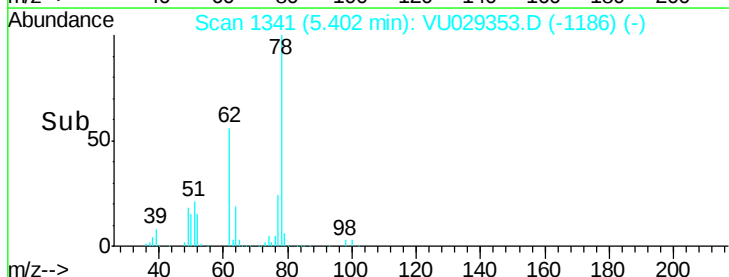
60000

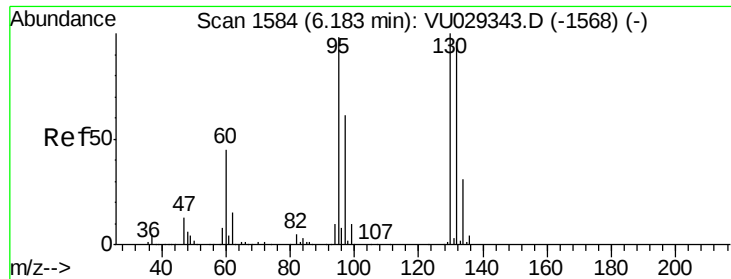
40000

20000

0

Time-->





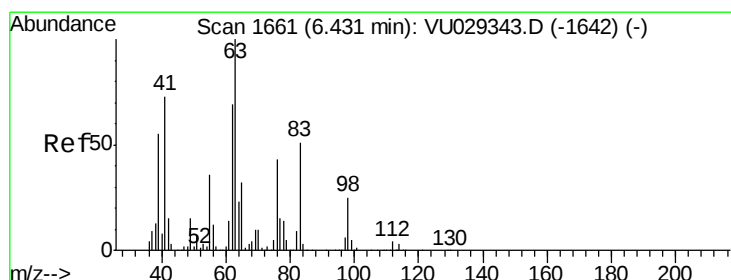
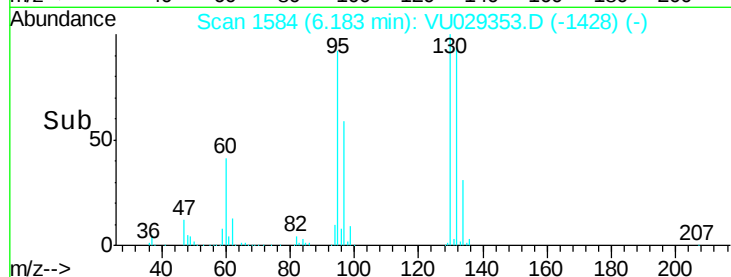
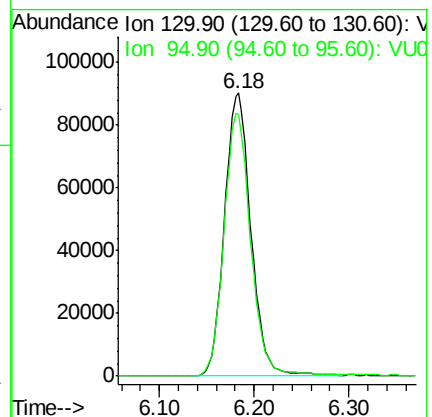
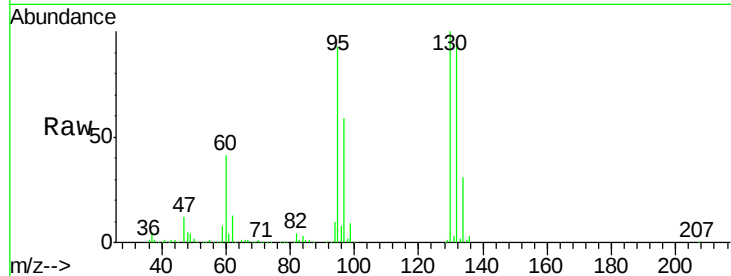
#37  
 Trichloroethene  
 Concen: 10.888 ug/l  
 RT: 6.18 min Scan# 1584  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

Tot Ion:130 Resp: 175497  
 Ion Ratio Lower Upper  
 130 100  
 95 92.3 85.4 128.0

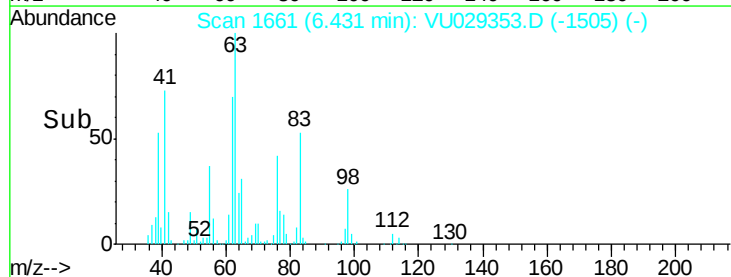
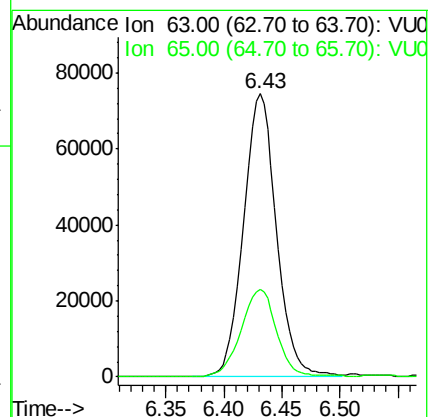
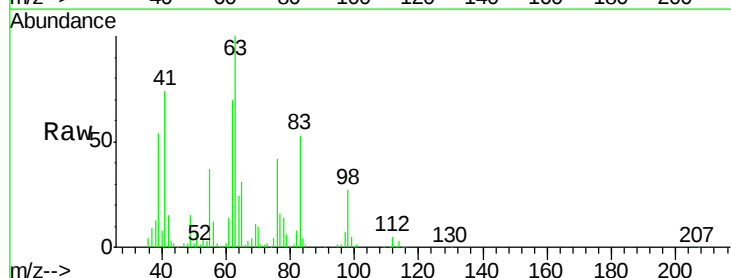
Manual Integrations  
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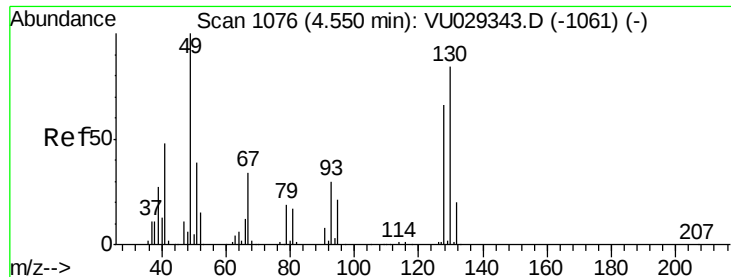
sam  
 2/8/2019 2:26:54 PM



#38  
 1,2-Dichloropropane  
 Concen: 10.093 ug/l  
 RT: 6.43 min Scan# 1661  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Tgt Ion: 63 Resp: 147475  
 Ion Ratio Lower Upper  
 63 100  
 65 30.9 25.5 38.3





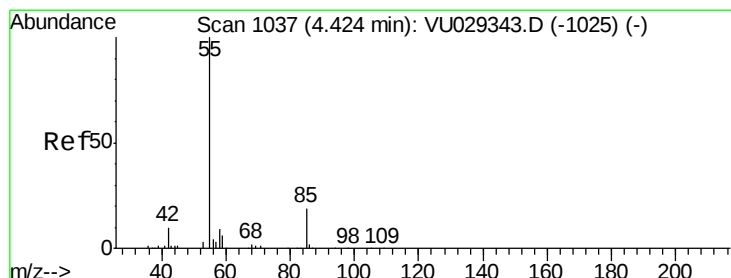
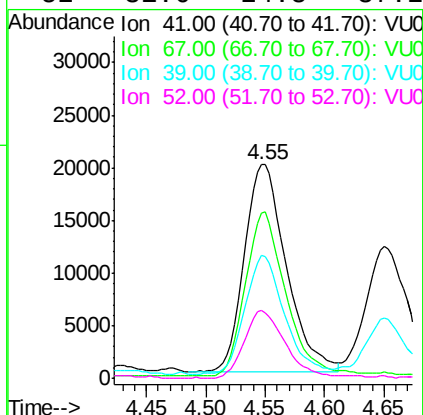
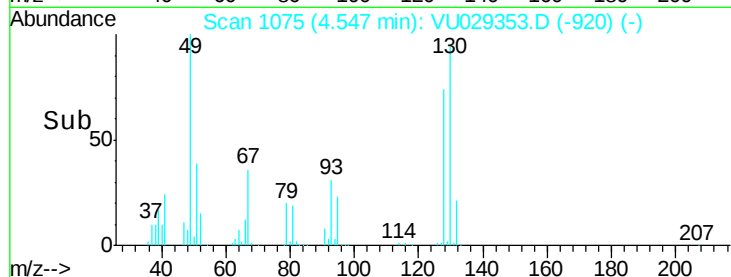
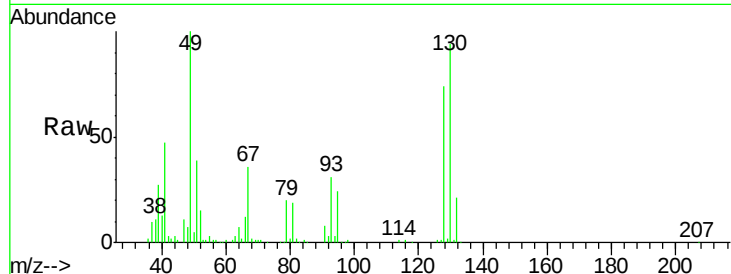
#39  
Methacrylonitrile  
Concen: 10.161 ug/l  
RT: 4.55 min Scan# 1075  
Delta R.T. -0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 67      | 75.3  | 50.1  | 75.1# |
| 39      | 54.5  | 47.9  | 71.9  |
| 52      | 31.6  | 24.8  | 37.2  |

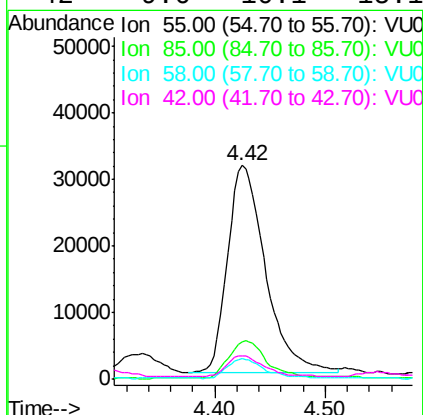
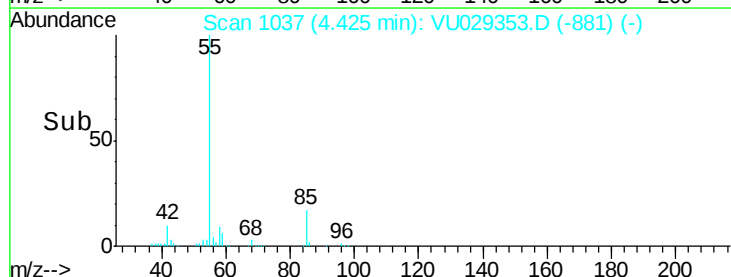
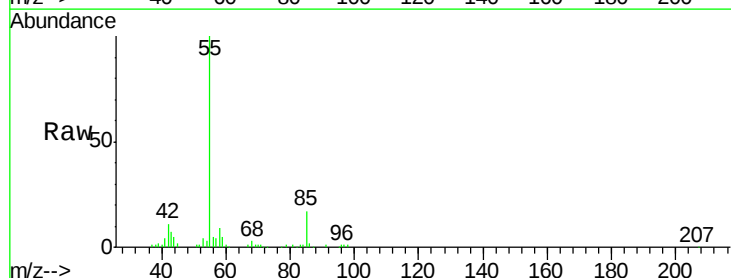
Manual Integrations  
APPROVED

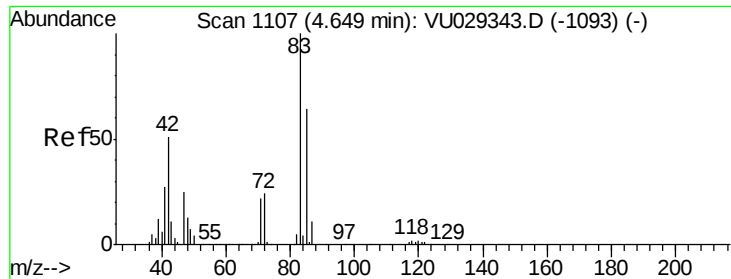
sam  
2/8/2019 2:26:54 PM



#40  
Methyl acrylate  
Concen: 10.403 ug/l  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 55      | 100   |       |       |
| 85      | 17.3  | 11.3  | 16.9# |
| 58      | 10.3  | 6.2   | 9.4#  |
| 42      | 9.6   | 10.1  | 15.1# |





#41

Tetrahydrofuran

Concen: 19.214 ug/l

RT: 4.65 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

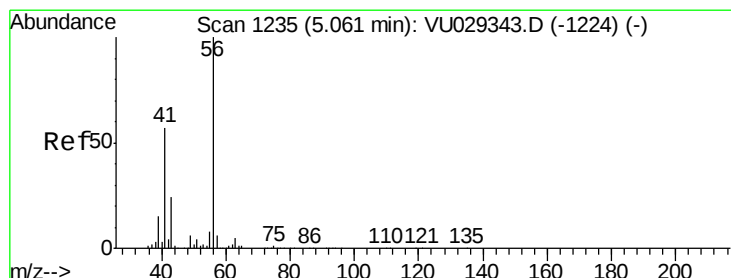
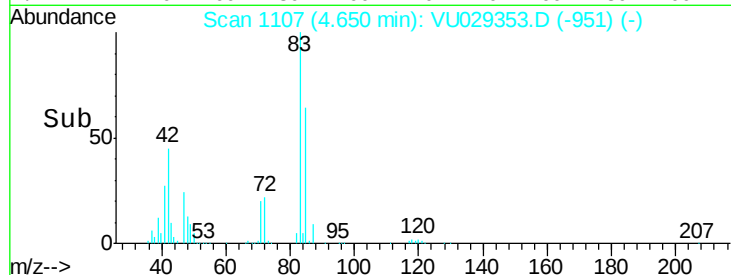
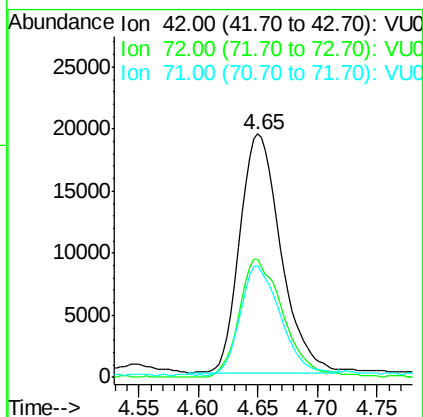
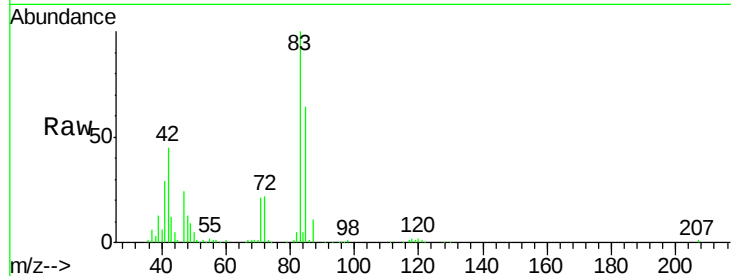
ClientSampleId :

VSTD01050

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 42    | Resp: | 46070 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 53.6  | 33.1  | 49.7# |
| 71       | 45.0  | 30.2  | 45.2  |

Manual Integrations  
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sam  
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#42

1-Chlorobutane

Concen: 9.840 ug/l

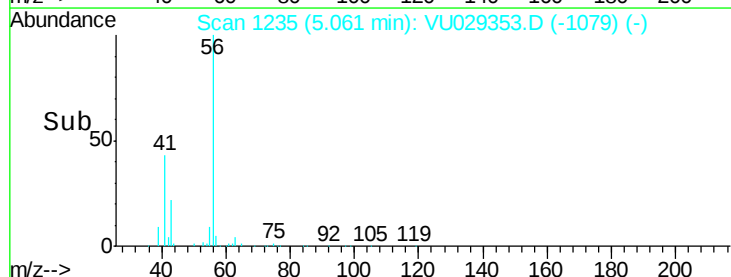
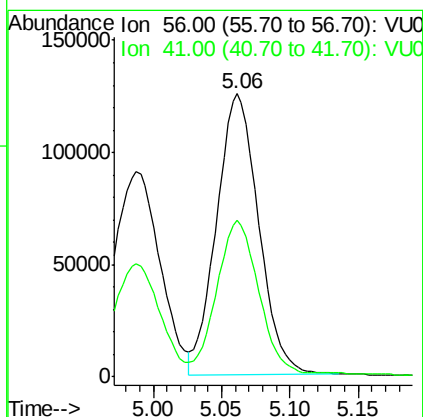
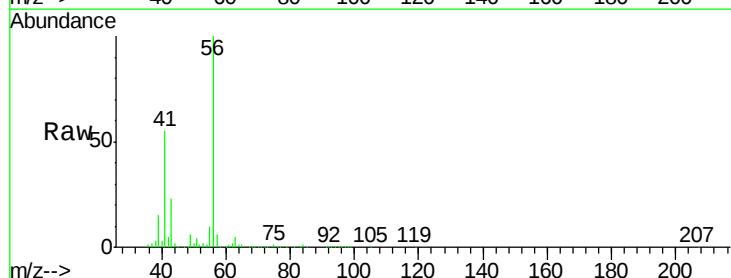
RT: 5.06 min Scan# 1235

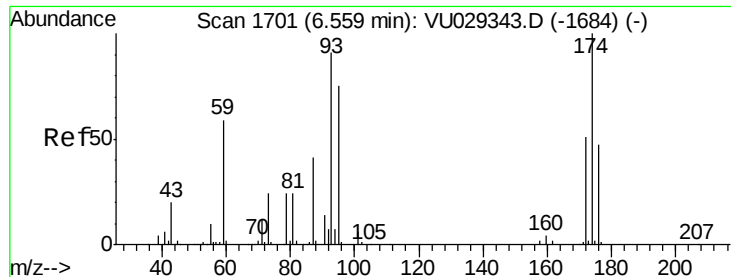
Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 56    | Resp: | 267790 |
| Ion      | Ratio | Lower | Upper  |
| 56       | 100   |       |        |
| 41       | 53.1  | 31.3  | 93.8   |





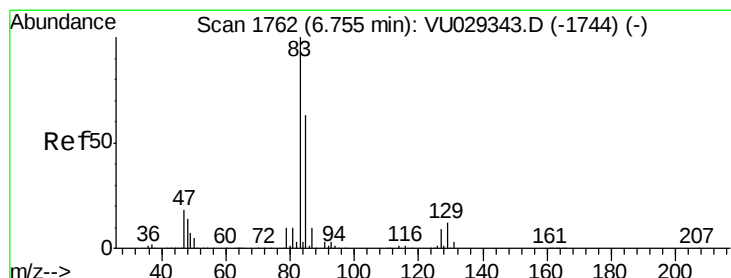
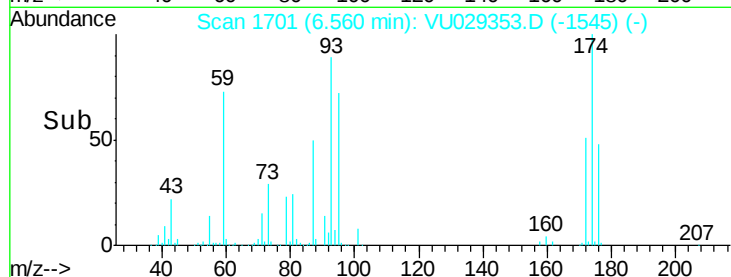
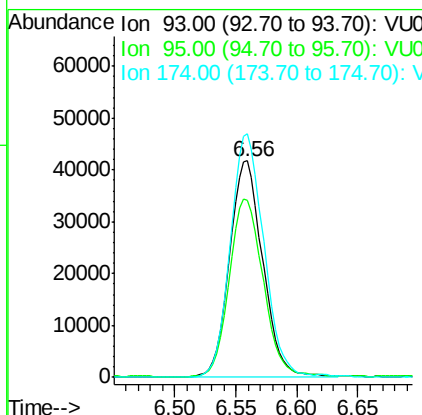
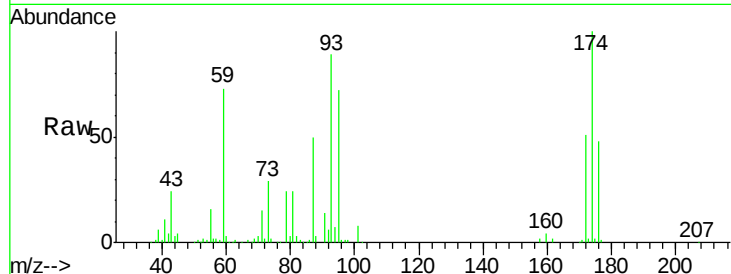
#43  
Dibromomethane  
Concen: 10.247 ug/l  
RT: 6.56 min Scan# 1701  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | 93    | Resp  | 79786 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 93      | 100   |       |       |
| 95      | 83.3  | 68.2  | 102.2 |
| 174     | 112.1 | 77.6  | 116.4 |

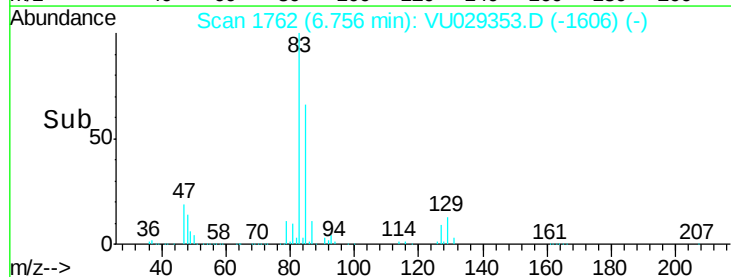
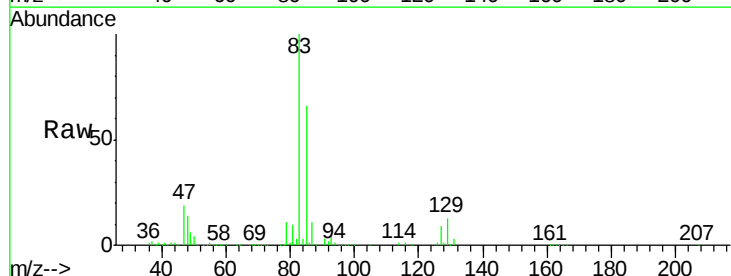
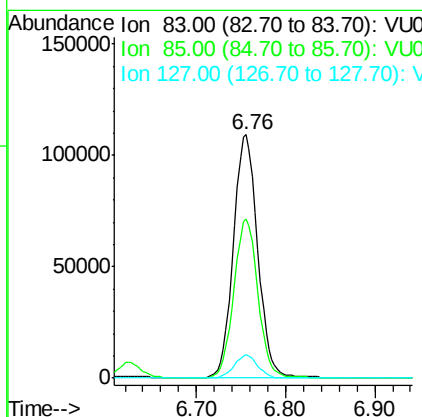
Manual Integrations  
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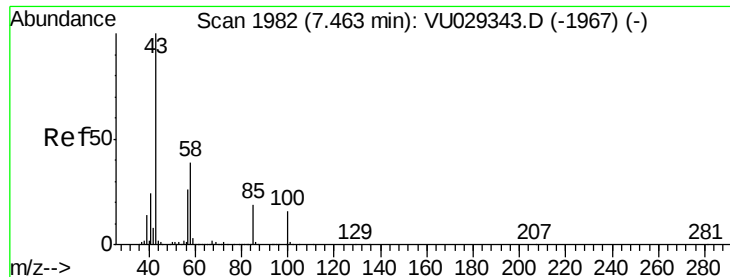
sam  
2/8/2019 2:26:54 PM



#44  
Bromodichloromethane  
Concen: 10.371 ug/l  
RT: 6.76 min Scan# 1762  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | 83    | Resp  | 205750 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 83      | 100   |       |        |
| 85      | 65.5  | 49.2  | 73.8   |
| 127     | 9.4   | 7.0   | 10.6   |





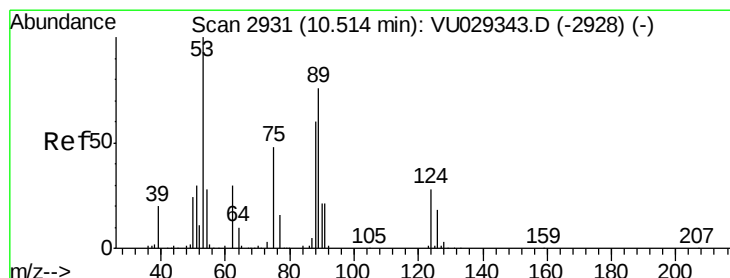
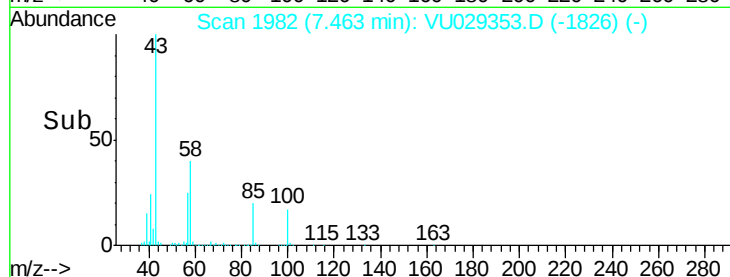
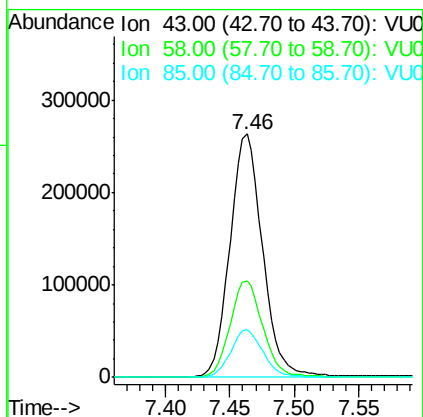
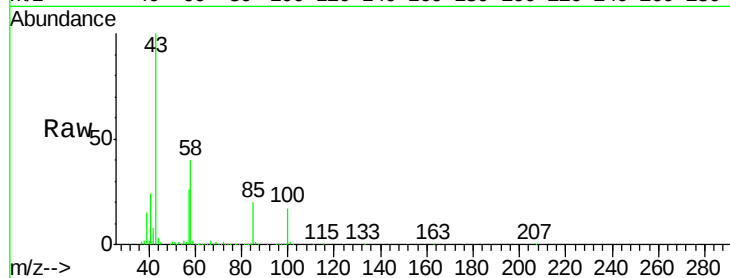
#45  
4-Methyl-2-Pentanone  
Concen: 50.301 ug/l  
RT: 7.46 min Scan# 1982  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.2  | 17.6  | 52.8  |
| 85      | 19.6  | 12.3  | 18.5  |

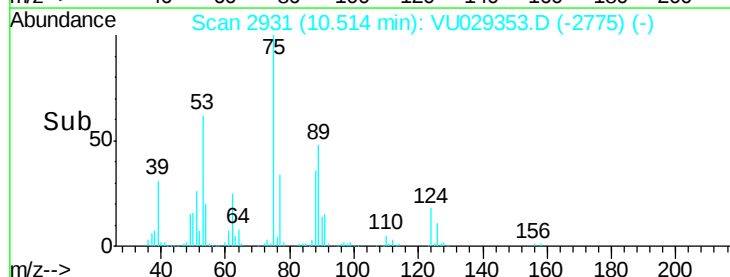
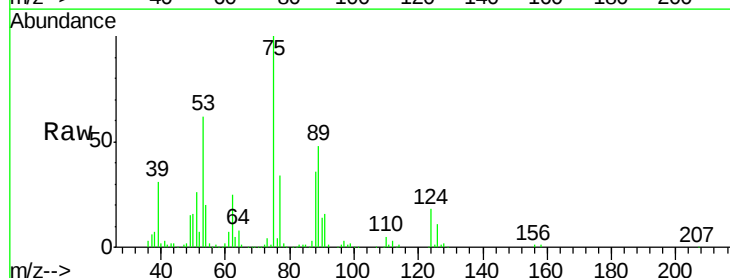
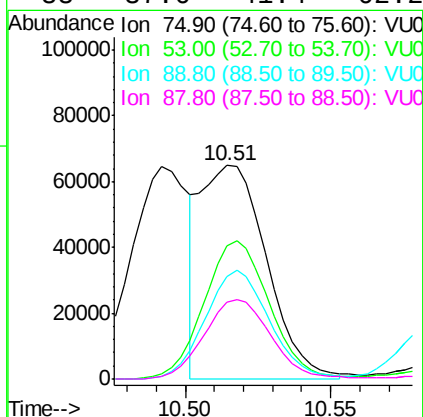
Manual Integrations  
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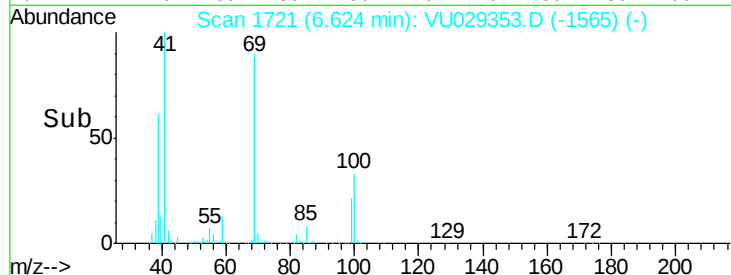
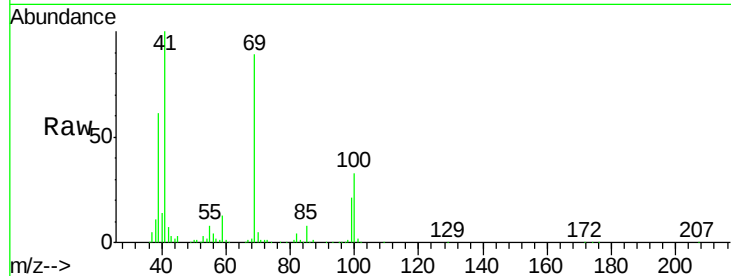
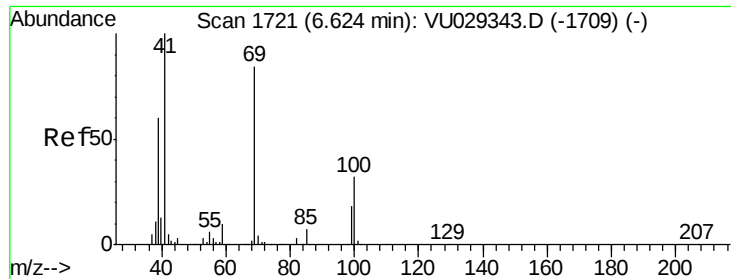
sam  
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#46  
t-1,4-Dichloro-2-butene  
Concen: 22.983 ug/l m  
RT: 10.51 min Scan# 2931  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 63.5  | 78.2  | 117.4 |
| 89      | 49.7  | 44.2  | 66.4  |
| 88      | 37.6  | 41.4  | 62.2  |





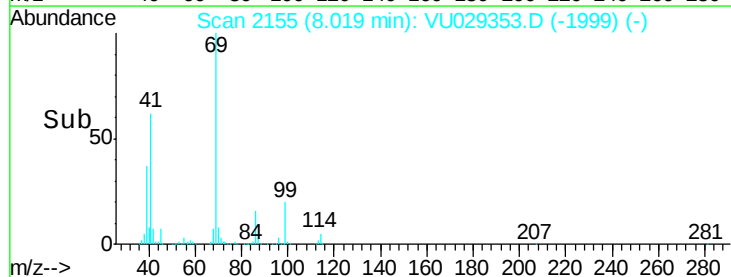
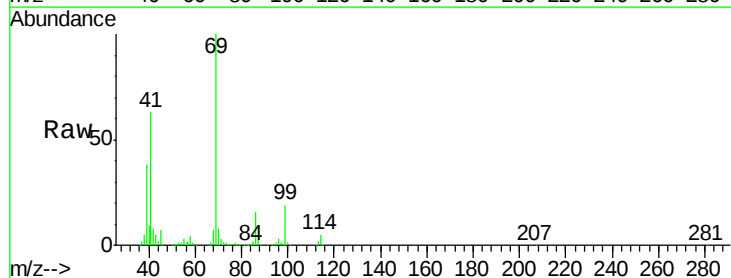
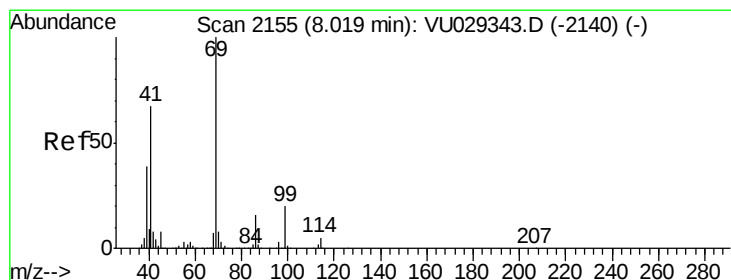
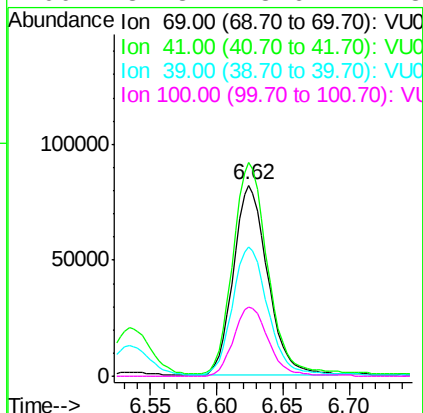
#47  
Methyl methacrylate  
Concen: 21.639 ug/l  
RT: 6.62 min Scan# 1721  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tot Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 69      | 100   |       | 148244 |       |       |
| 41      | 112.2 | 0.0   | 296.2  |       |       |
| 39      | 69.0  | 71.2  | 106.8  |       |       |
| 100     | 37.3  | 28.6  | 42.8   |       |       |

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

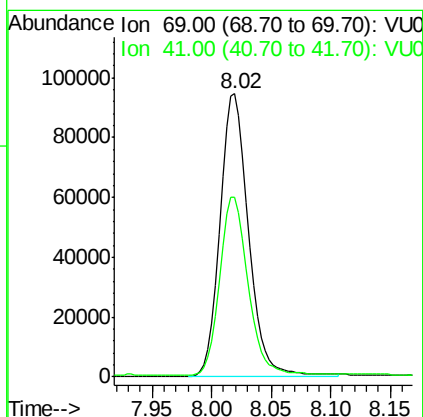
Manual Integrations  
APPROVED

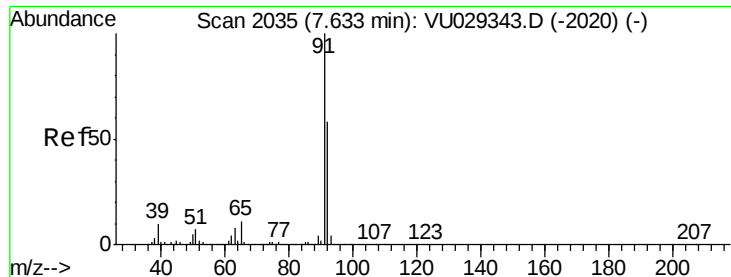
Sam  
2/8/2019 2:26:54 PM



#48  
Ethyl methacrylate  
Concen: 10.644 ug/l  
RT: 8.02 min Scan# 2155  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 69      | 100  |       | 156443 |       |       |
| 41      | 62.7 | 39.9  | 119.7  |       |       |





#49

Toluene

Concen: 10.446 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion: 92 Resp: 375452

Ion Ratio Lower Upper

92 100

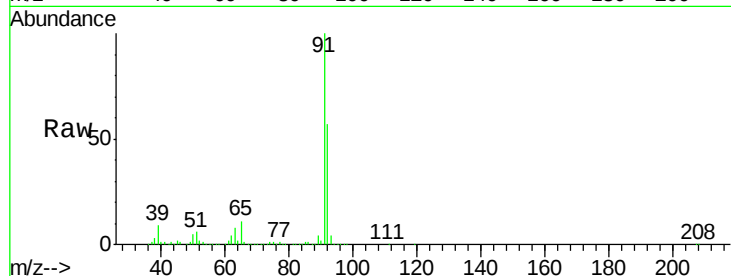
91 175.5 140.7 211.1

Manual Integrations

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sam

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Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

400000

300000

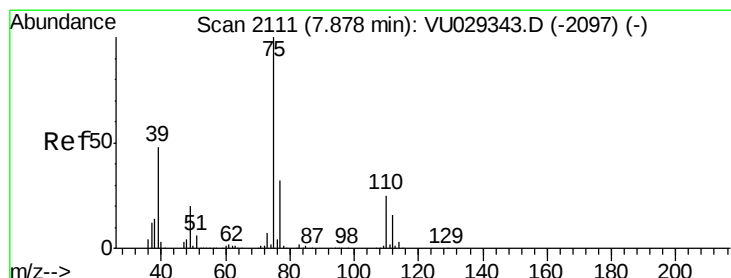
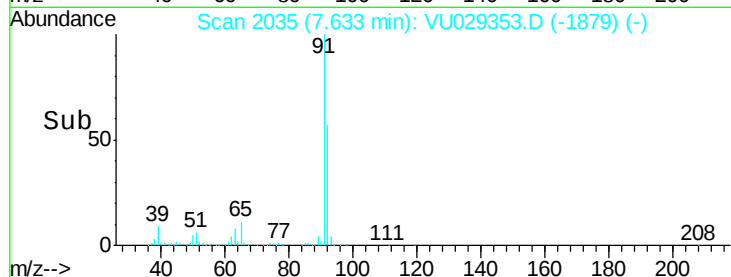
200000

100000

0

7.60 7.70

Time-->



#50

t-1,3-Dichloropropene

Concen: 10.334 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VU029353.D

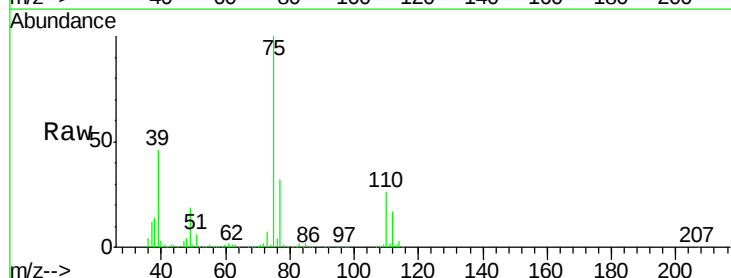
Acq: 05 Feb 2019 18:16

Tgt Ion: 75 Resp: 200979

Ion Ratio Lower Upper

75 100

77 32.0 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

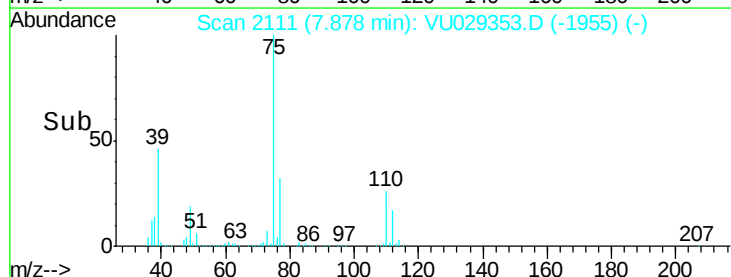
100000

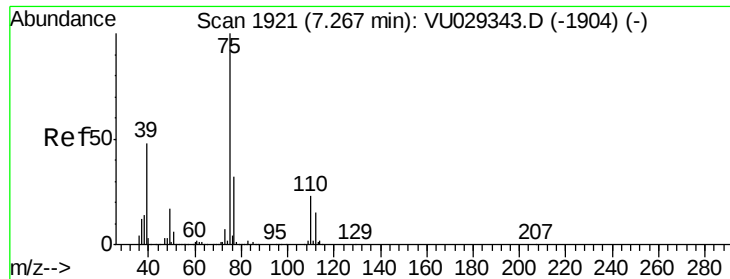
50000

0

7.80 7.90 8.00

Time-->





#51

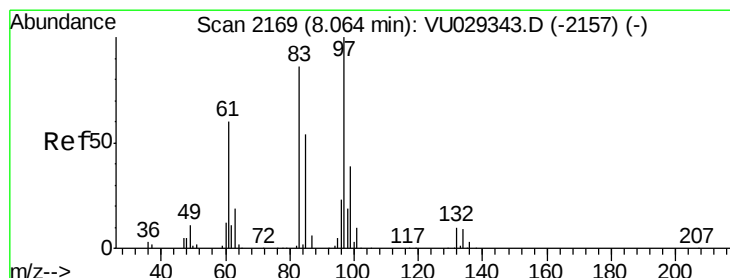
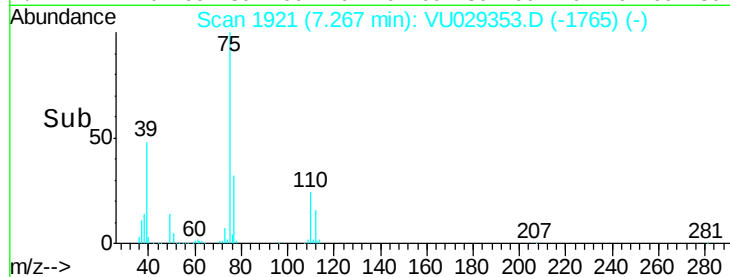
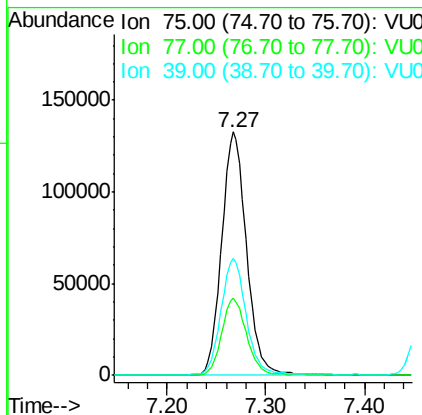
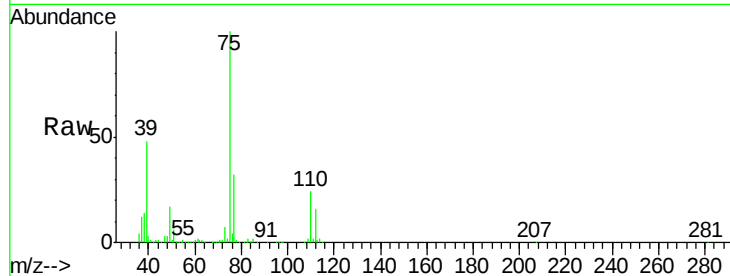
cis-1,3-Dichloropropene  
Concen: 10.207 ug/l  
RT: 7.27 min Scan# 1921  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.5  | 24.9  | 37.3  |
| 39      | 47.9  | 47.2  | 70.8  |

Manual Integrations  
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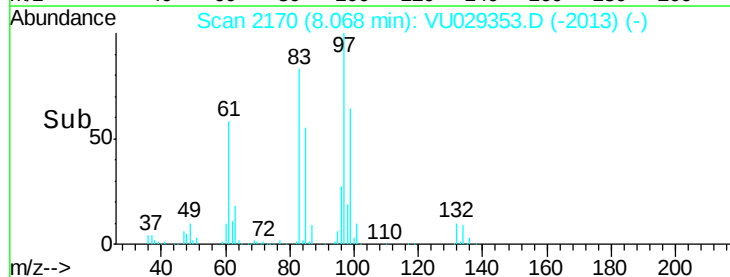
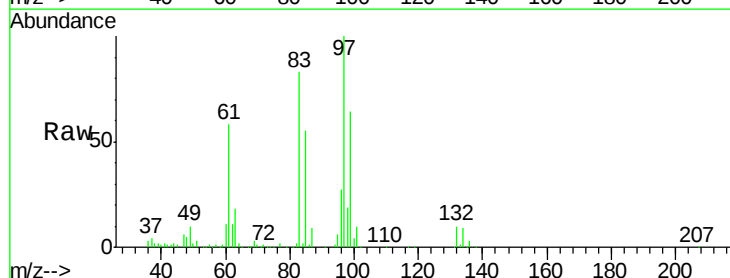
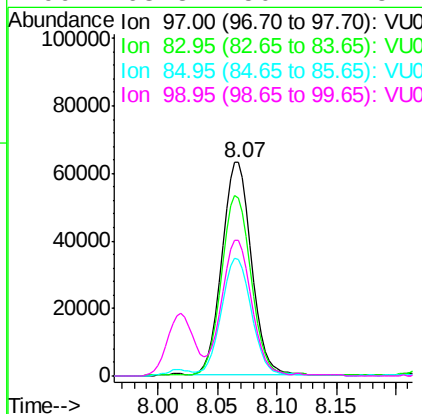
sam  
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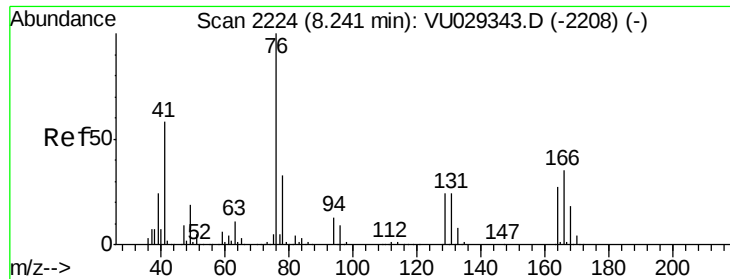


#52

1,1,2-Trichloroethane  
Concen: 10.472 ug/l  
RT: 8.07 min Scan# 2170  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 83.3  | 69.9  | 104.9 |
| 85      | 54.7  | 45.8  | 68.6  |
| 99      | 63.8  | 50.2  | 75.2  |





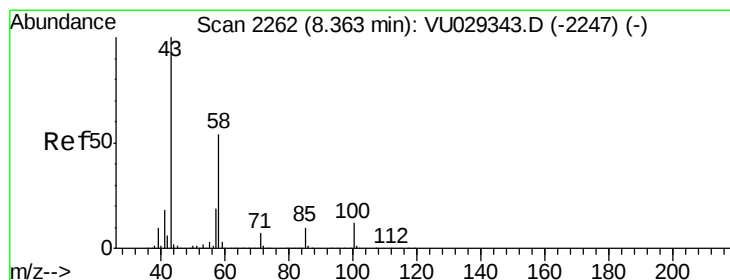
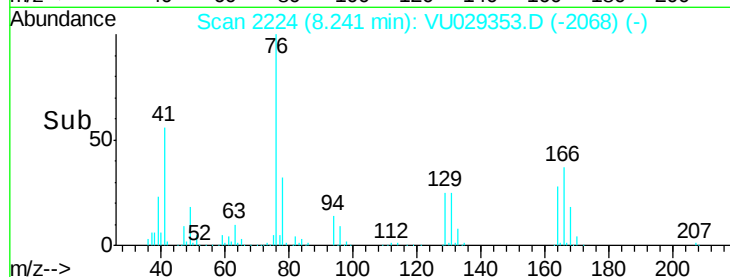
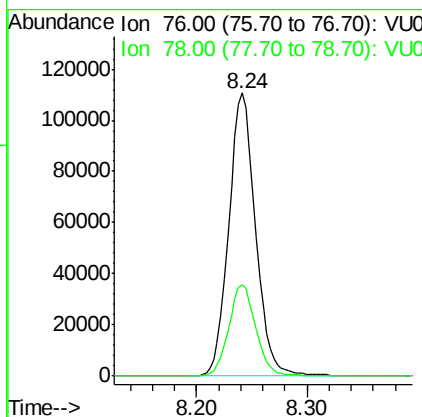
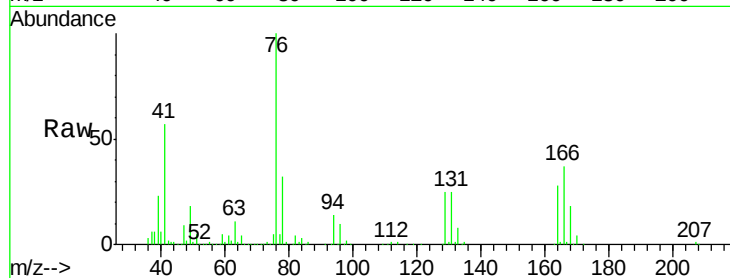
#53  
 1,3-Dichloropropane  
 Concen: 10.331 ug/l  
 RT: 8.24 min Scan# 2224  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

Tot Ion: 76 Resp: 187079  
 Ion Ratio Lower Upper  
 76 100  
 78 32.7 26.3 39.5

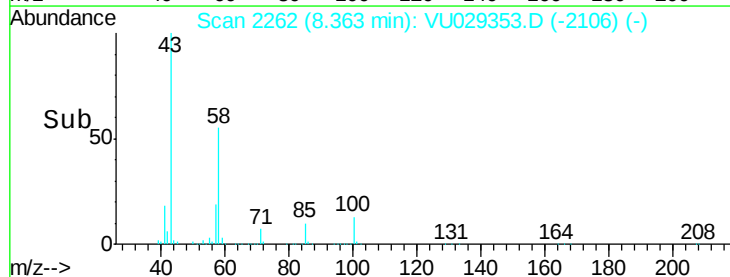
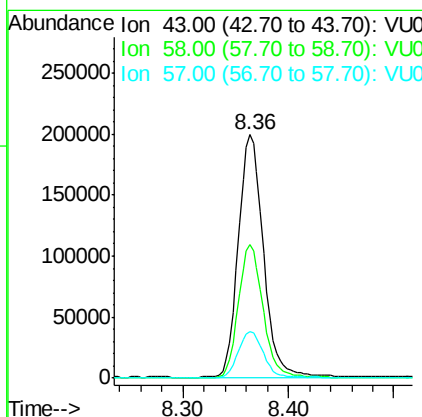
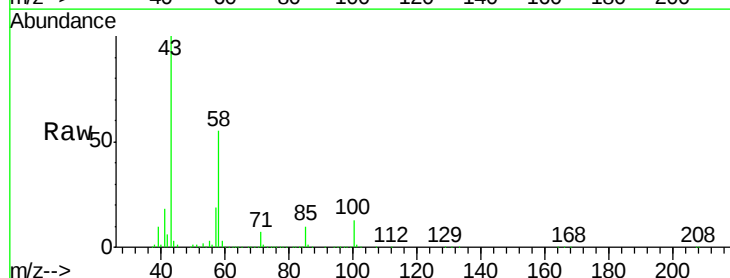
Manual Integrations  
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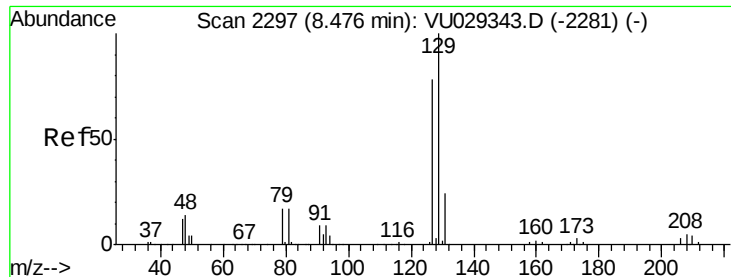
sam  
 2/8/2019 2:26:54 PM



#54  
 2-Hexanone  
 Concen: 51.293 ug/l  
 RT: 8.36 min Scan# 2262  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Tgt Ion: 43 Resp: 328170  
 Ion Ratio Lower Upper  
 43 100  
 58 54.4 26.0 66.0  
 57 19.0 0.0 37.7





#55

Dibromochloromethane

Concen: 10.706 ug/l

RT: 8.48 min Scan# 2297

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion:129 Resp: 156856

Ion Ratio Lower Upper

129 100

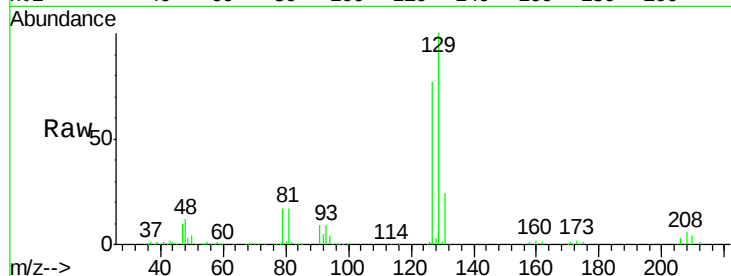
127 76.4 60.5 90.7

Manual Integrations

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sam

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

100000

80000

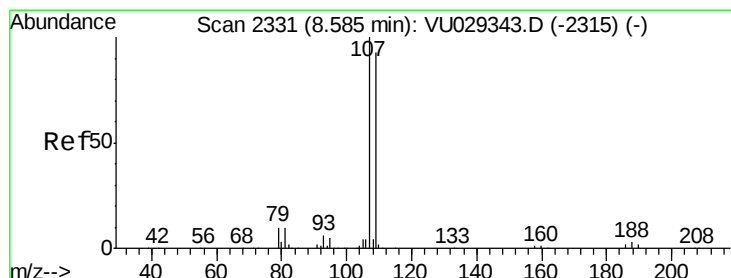
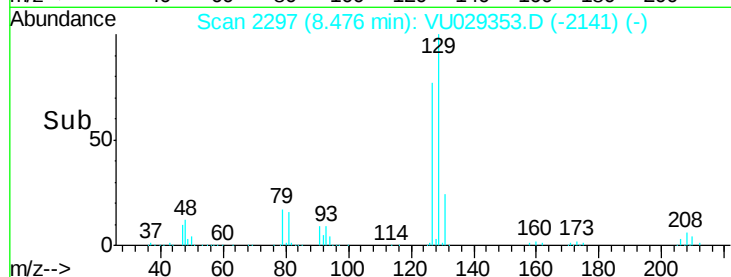
60000

40000

20000

0

Time-->



#56

1,2-Dibromoethane

Concen: 10.383 ug/l

RT: 8.59 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VU029353.D

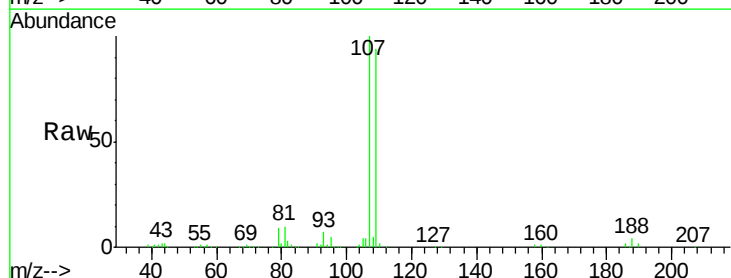
Acq: 05 Feb 2019 18:16

Tgt Ion:107 Resp: 109810

Ion Ratio Lower Upper

107 100

109 94.3 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

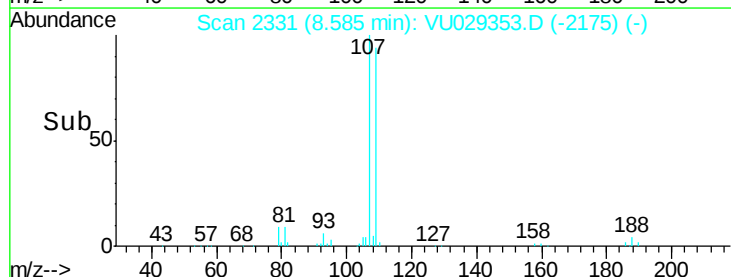
60000

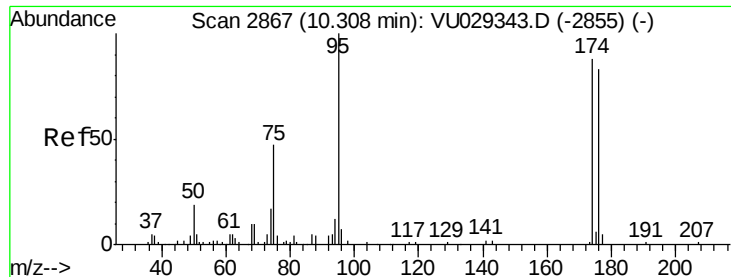
40000

20000

0

Time-->





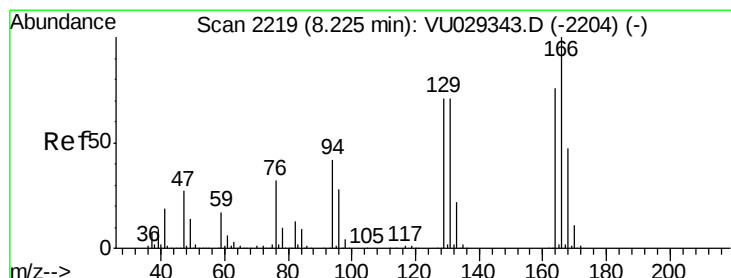
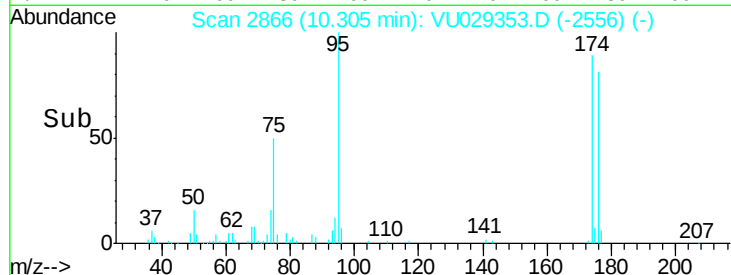
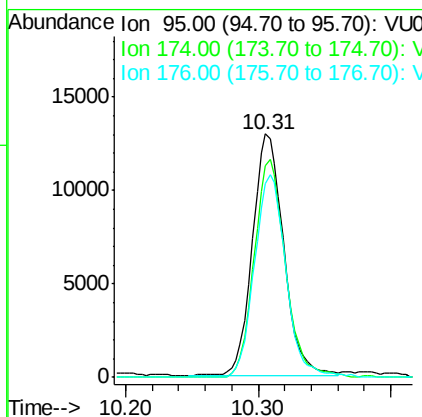
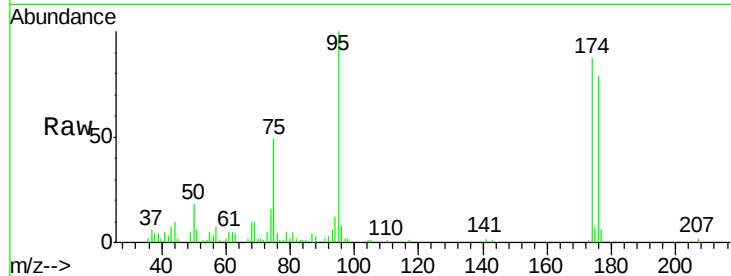
#57  
4-Bromofluorobenzene  
Concen: 10.383 ug/l  
RT: 10.31 min Scan# 2866  
Delta R.T. -0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 95      | 100   | 21176 |       |       |
| 174     | 90.4  | 64.2  | 96.2  |       |
| 176     | 84.8  | 62.3  | 93.5  |       |

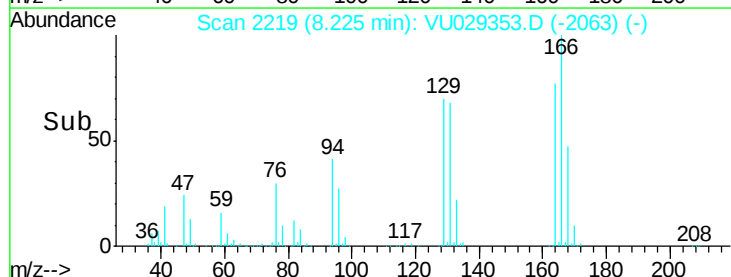
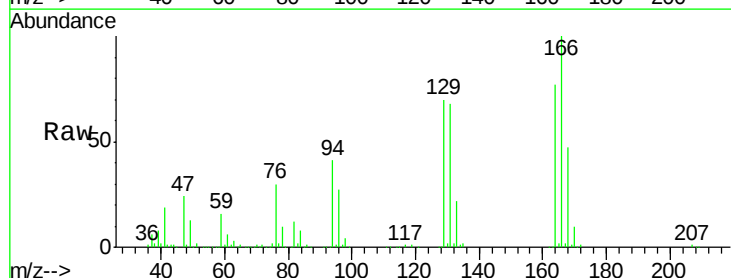
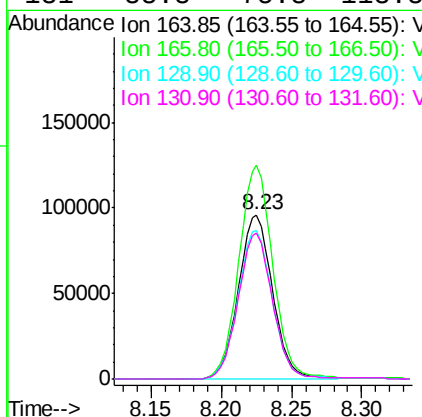
Manual Integrations  
APPROVED

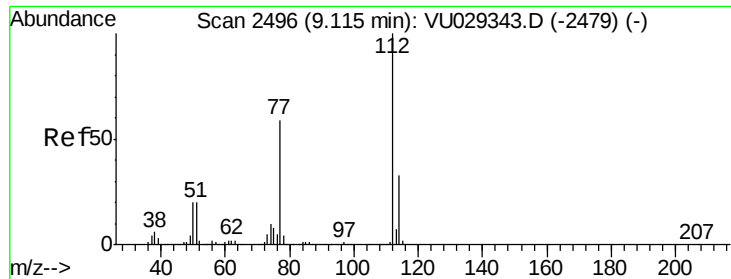
sam  
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#58  
Tetrachloroethene  
Concen: 10.872 ug/l  
RT: 8.23 min Scan# 2219  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 164     | 100   | 163051 |       |       |
| 166     | 130.2 | 106.6  | 159.8 |       |
| 129     | 90.6  | 79.9   | 119.9 |       |
| 131     | 88.8  | 75.8   | 113.8 |       |





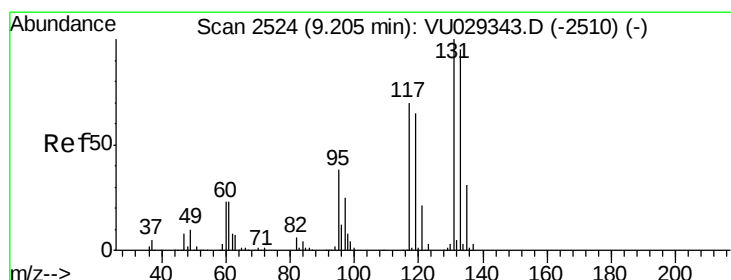
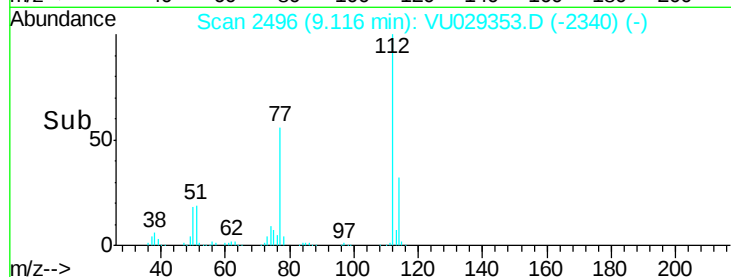
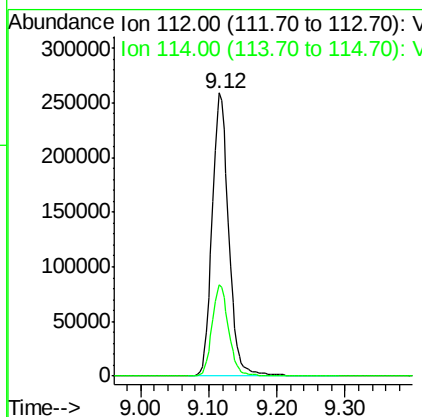
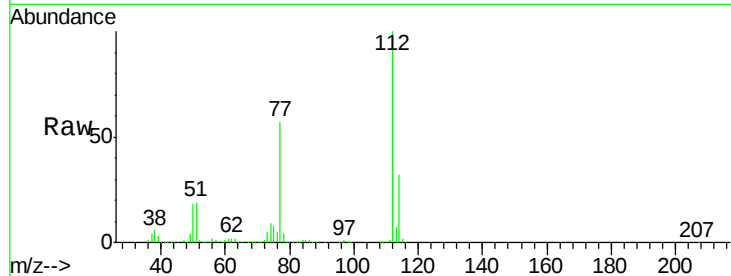
#59  
Chlorobenzene  
Concen: 10.841 ug/l  
RT: 9.12 min Scan# 2496  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 438941 |       |       |
| 114     | 32.2  | 26.2   | 39.4  |       |

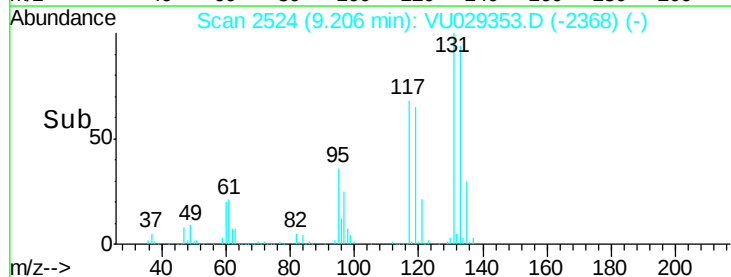
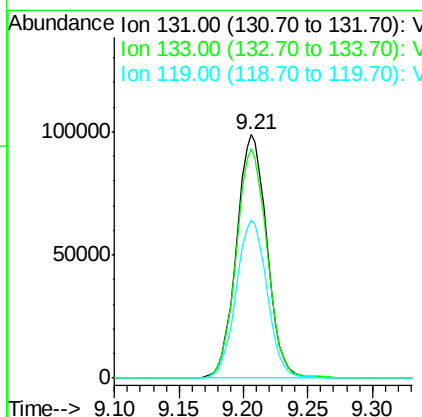
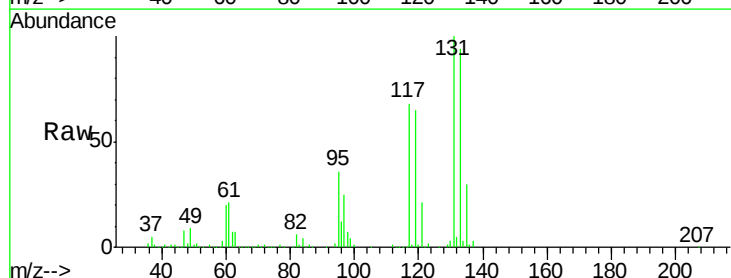
Manual Integrations  
APPROVED

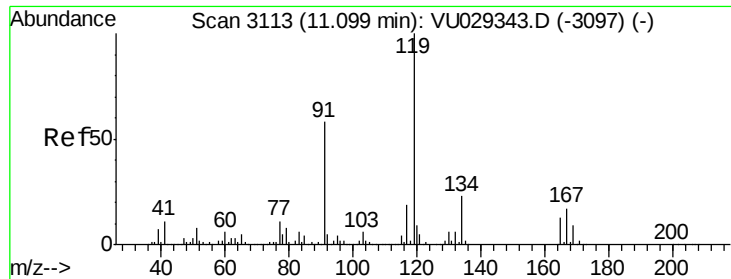
sam  
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#60  
1,1,1,2-Tetrachloroethane  
Concen: 10.838 ug/l  
RT: 9.21 min Scan# 2524  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 131     | 100   | 162153 |       |       |
| 133     | 95.4  | 77.3   | 115.9 |       |
| 119     | 66.1  | 48.9   | 73.3  |       |





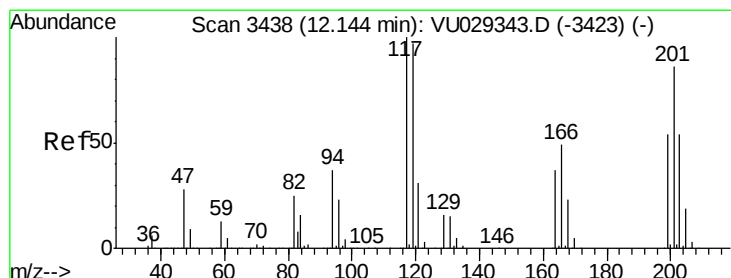
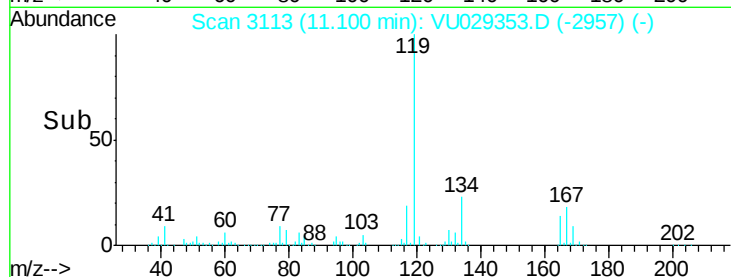
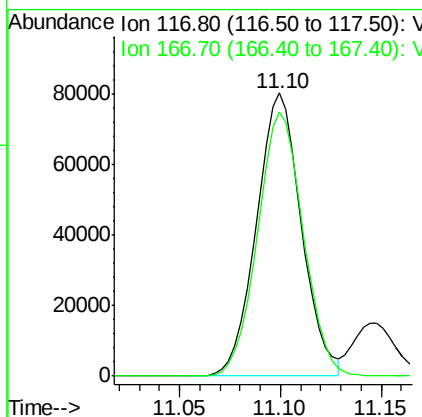
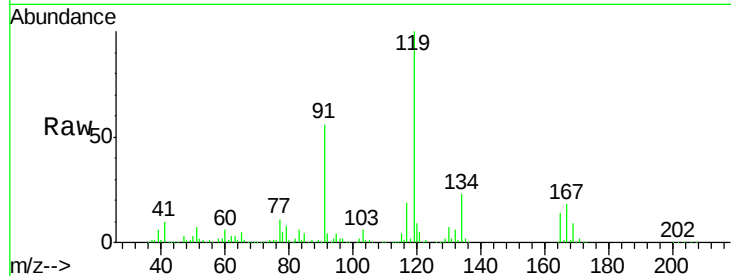
#61  
 Pentachloroethane  
 Concen: 10.763 ug/l  
 RT: 11.10 min Scan# 3113  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

Tot Ion:117 Resp: 124803  
 Ion Ratio Lower Upper  
 117 100  
 167 94.6 65.9 98.9

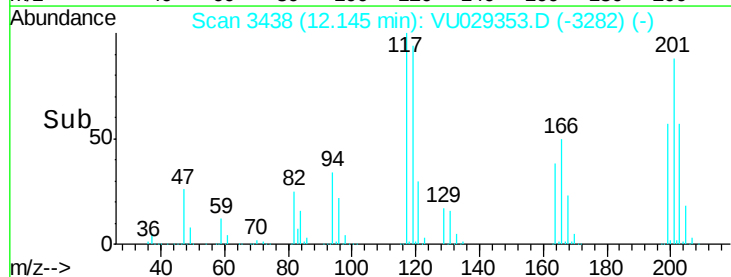
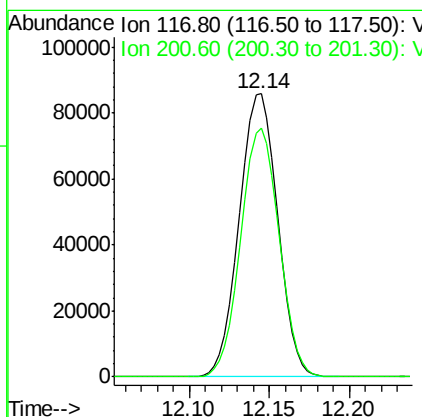
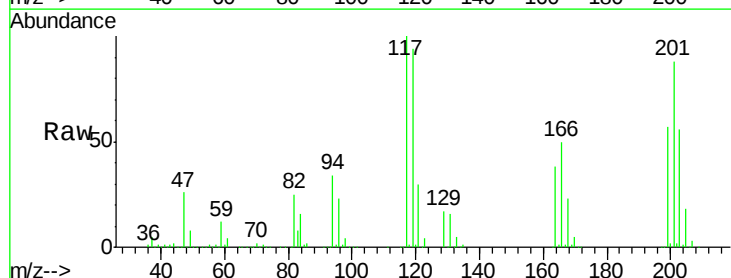
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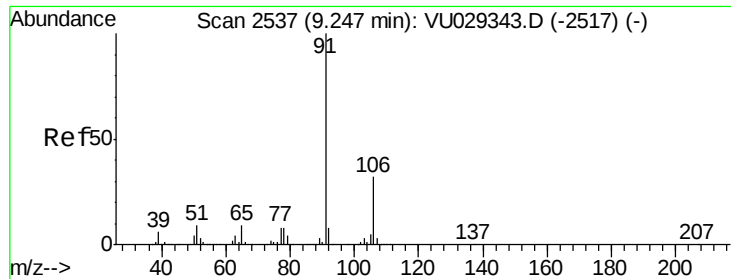
sam  
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#62  
 Hexachloroethane  
 Concen: 11.113 ug/l  
 RT: 12.14 min Scan# 3438  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Tgt Ion:117 Resp: 140642  
 Ion Ratio Lower Upper  
 117 100  
 201 87.7 68.2 102.2





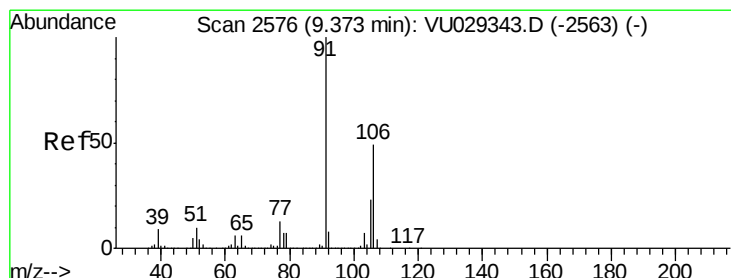
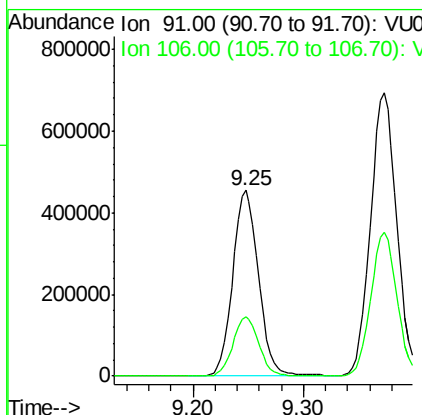
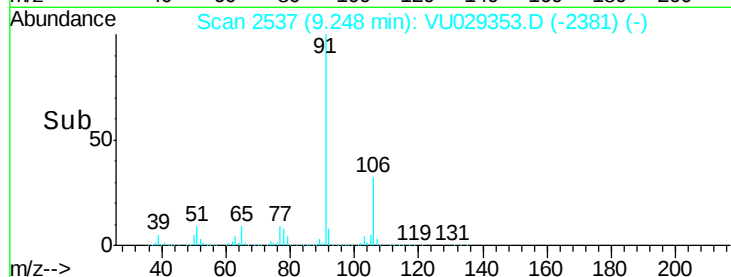
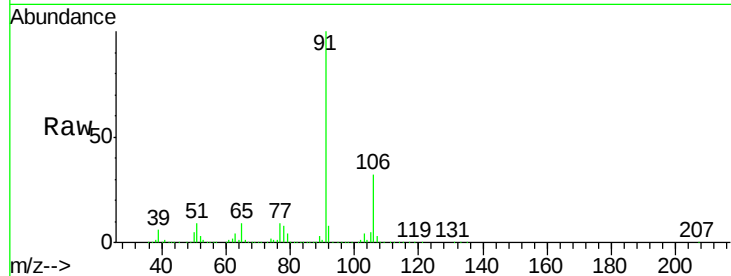
#63  
Ethyl Benzene  
Concen: 10.505 ug/l  
RT: 9.25 min Scan# 2537  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

Tot Ion: 91 Resp: 738627  
Ion Ratio Lower Upper  
91 100  
106 31.8 23.8 35.6

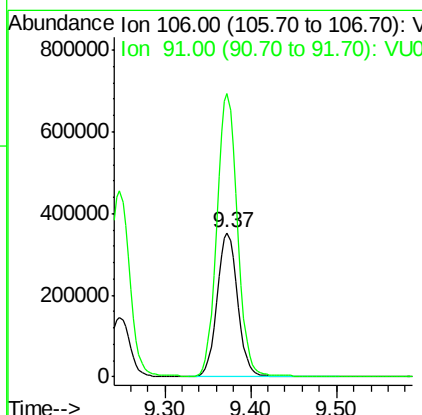
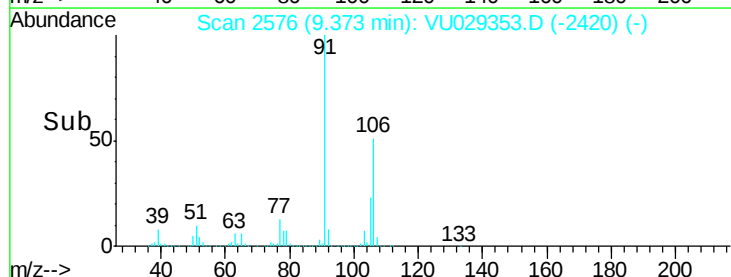
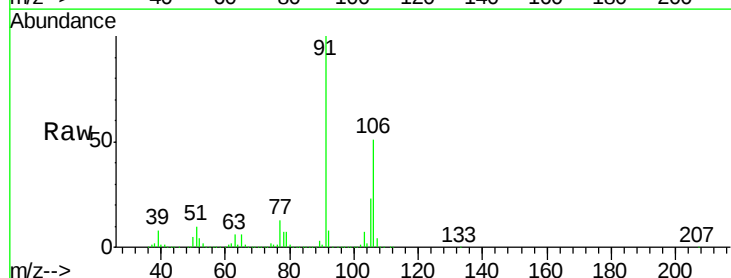
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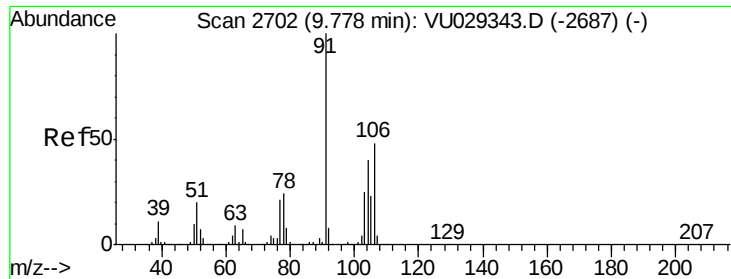
sam  
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#64  
m/p-Xylenes  
Concen: 21.478 ug/l  
RT: 9.37 min Scan# 2576  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Tgt Ion: 106 Resp: 586910  
Ion Ratio Lower Upper  
106 100  
91 197.3 174.6 261.8





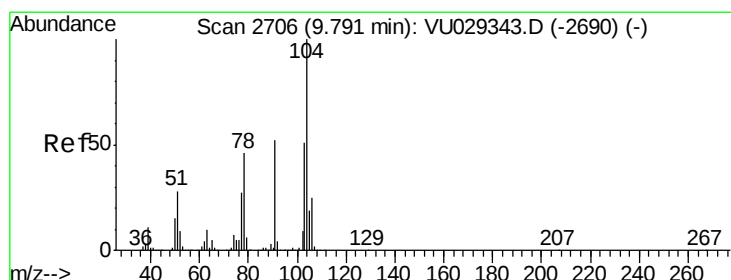
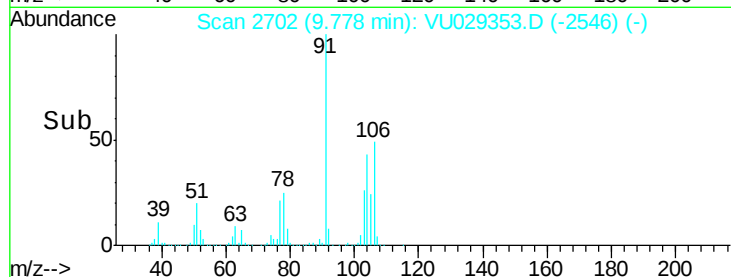
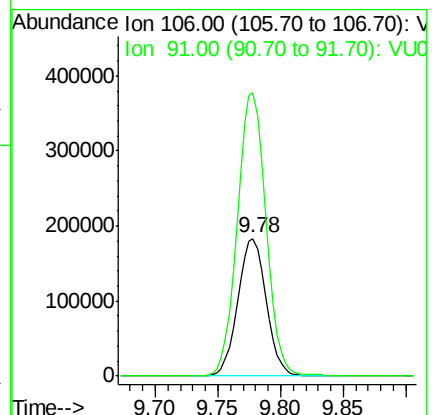
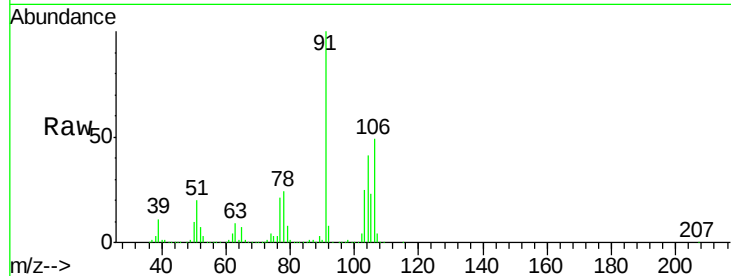
#65  
o-Xylene  
Concen: 10.801 ug/l  
RT: 9.78 min Scan# 2702  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampled :  
VSTD01050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 106     | 100   | 289700 |       |       |
| 91      | 207.9 | 114.5  | 343.4 |       |

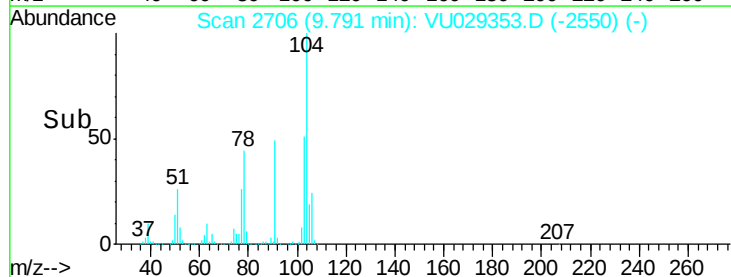
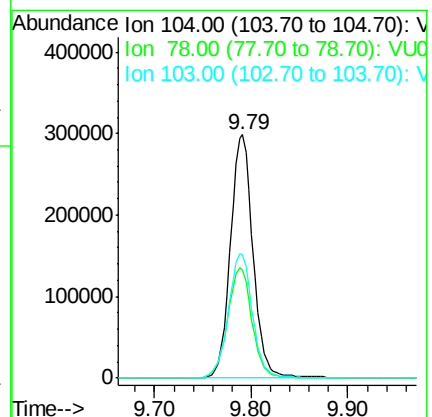
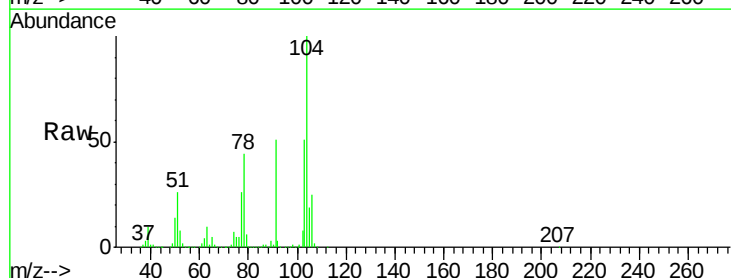
Manual Integrations  
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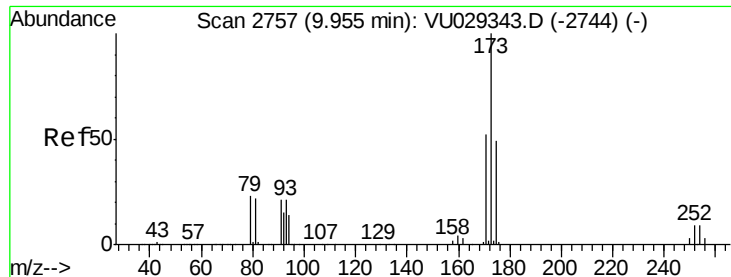
sam  
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#66  
Styrene  
Concen: 10.853 ug/l  
RT: 9.79 min Scan# 2706  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 104     | 100   | 485261 |       |       |
| 78      | 49.0  | 46.5   | 69.7  |       |
| 103     | 54.5  | 44.7   | 67.1  |       |





#67

Bromoform

Concen: 11.201 ug/l

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

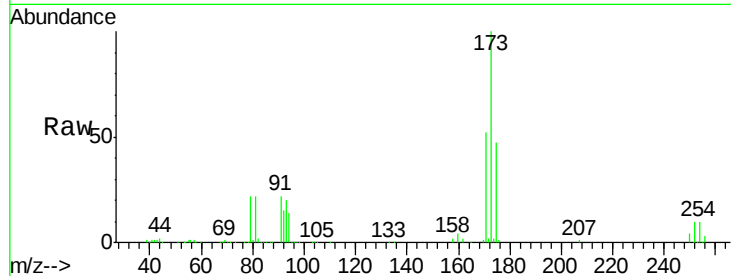
ClientSampleId :

VSTD01050

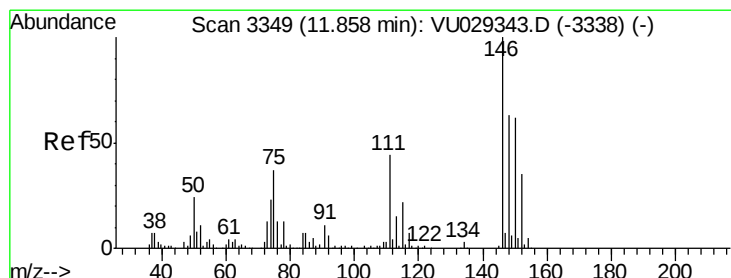
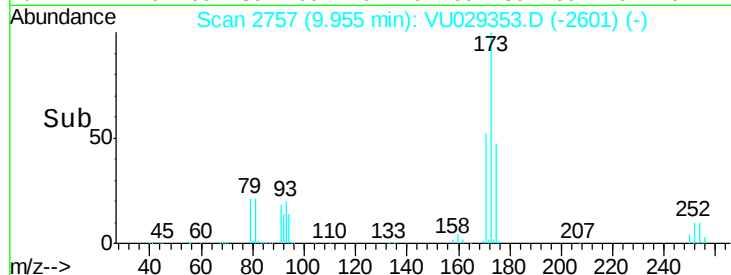
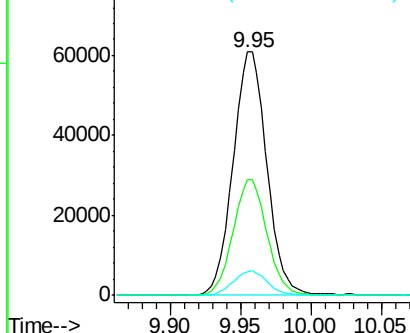
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 173   | Resp: | 102098 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 47.8  | 38.9  | 58.3   |
| 254       | 10.1  | 7.4   | 11.2   |

Manual Integrations  
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Abundance Ion 172.90 (172.60 to 173.60): V  
Ion 174.90 (174.60 to 175.60): V  
Ion 253.75 (253.45 to 254.45): V



#68

1,2-Dichlorobenzene-d4

Concen: 11.201 ug/l

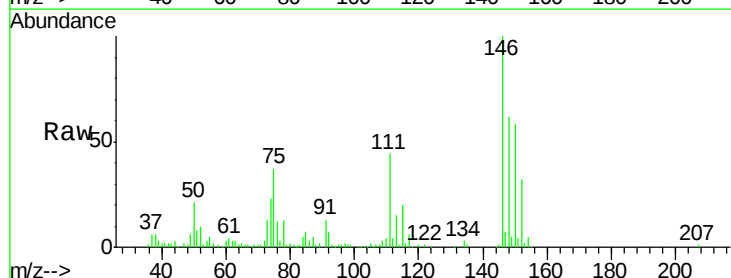
RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

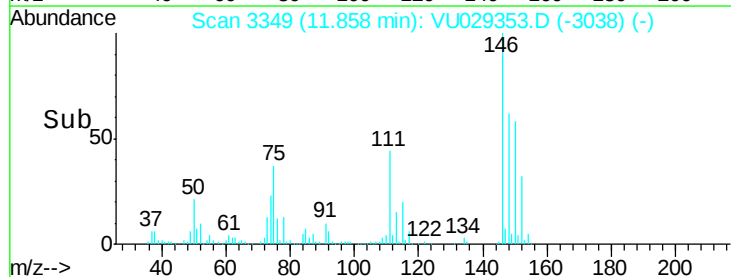
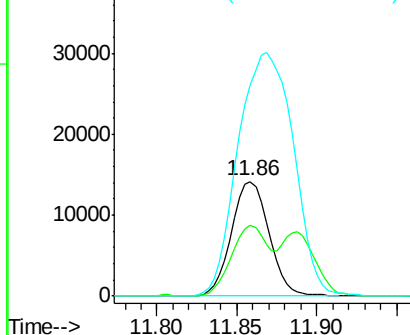
Lab File: VU029353.D

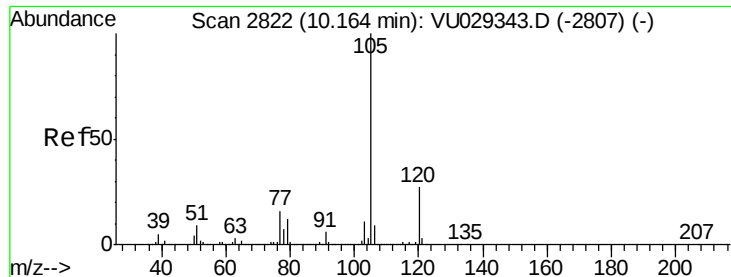
Acq: 05 Feb 2019 18:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 22630 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 58.4  | 0.0   | 133.4 |
| 150       | 316.5 | 0.0   | 670.8 |



Abundance Ion 152.00 (151.70 to 152.70): V  
Ion 115.00 (114.70 to 115.70): V  
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.714 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion:105 Resp: 767757

Ion Ratio Lower Upper

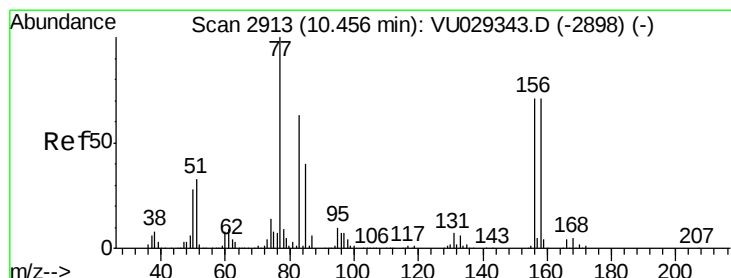
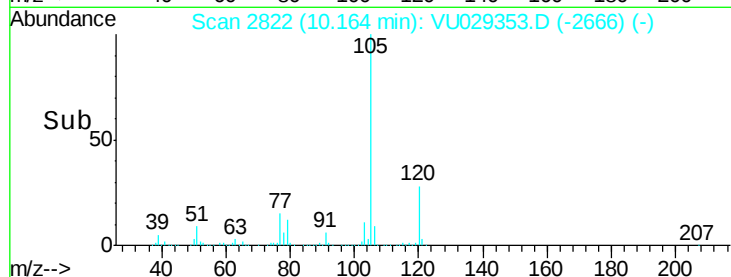
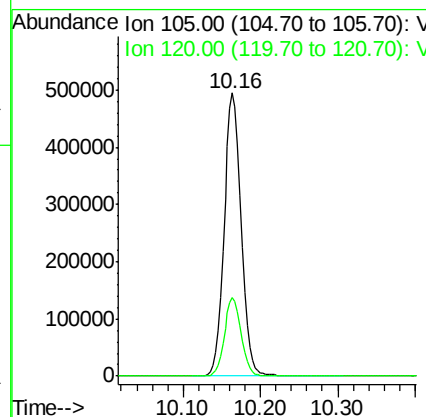
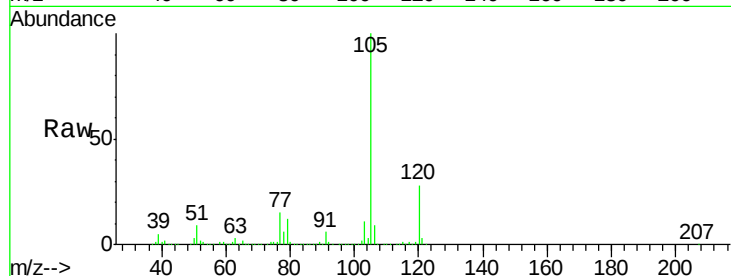
105 100

120 27.2 12.6 37.6

Manual Integrations  
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#70

1,1,2,2-Tetrachloroethane

Concen: 10.587 ug/l

RT: 10.46 min Scan# 2913

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

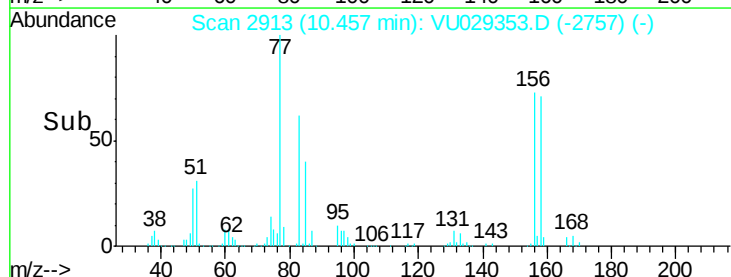
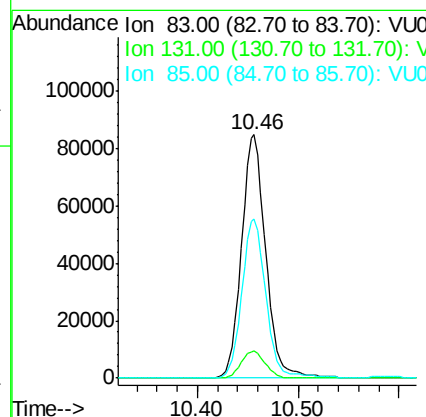
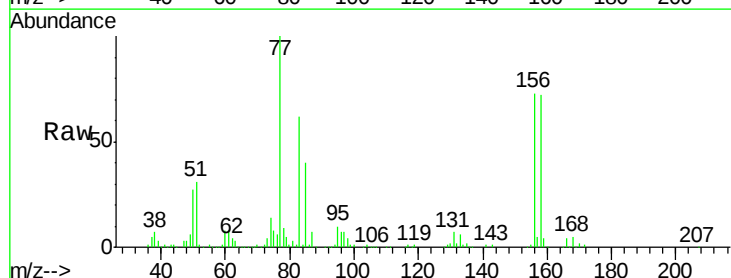
Tgt Ion: 83 Resp: 139877

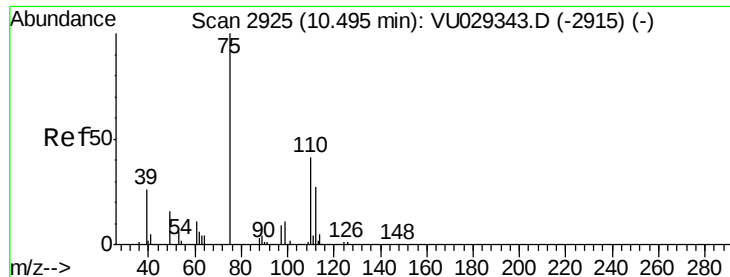
Ion Ratio Lower Upper

83 100

131 11.0 8.1 12.1

85 65.1 50.3 75.5





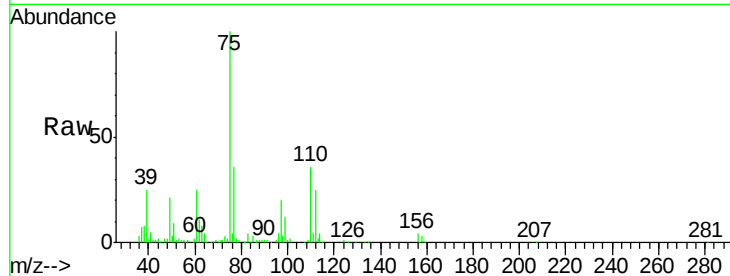
#71  
1,2,3-Trichloropropane  
Concen: 10.050 ug/l m  
RT: 10.49 min Scan# 2924  
Delta R.T. -0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

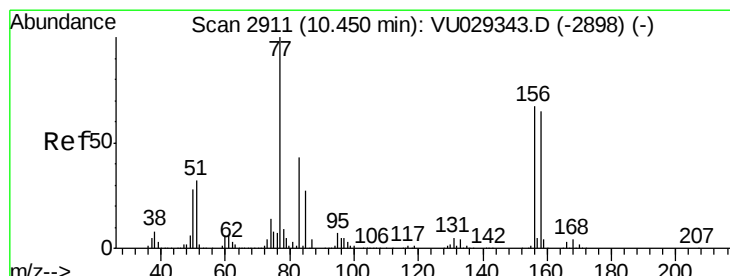
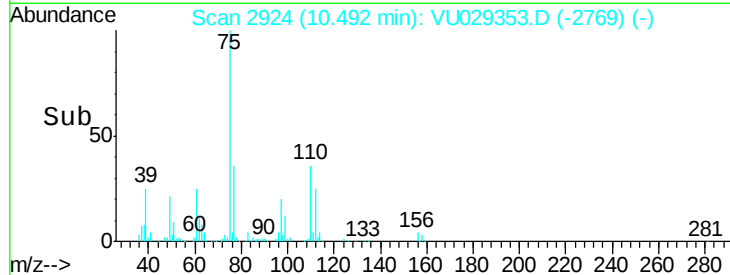
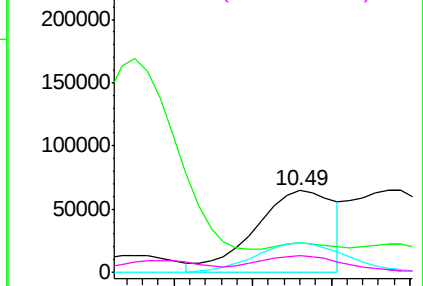
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 0.0   | 0.0   | 0.0   |
| 110     | 41.5  | 0.0   | 63.6  |
| 97      | 22.1  | 0.0   | 31.4  |

Manual Integrations  
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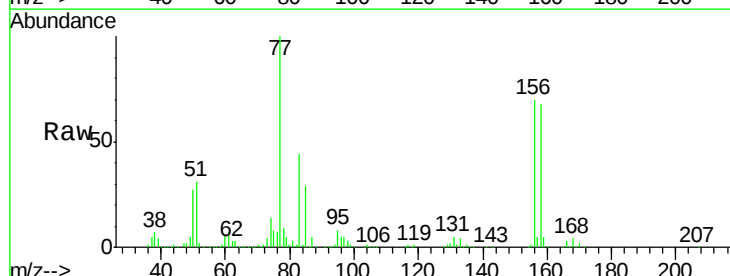


Abundance Ion 75.00 (74.70 to 75.70): VU0  
Ion 77.00 (76.70 to 77.70): VU0  
Ion 110.00 (109.70 to 110.70): V  
Ion 97.00 (96.70 to 97.70): VU0

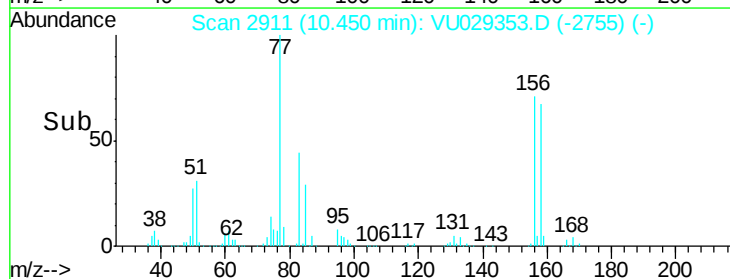
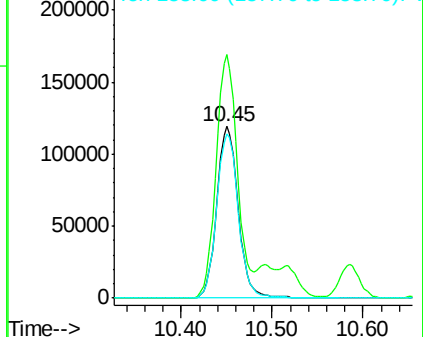


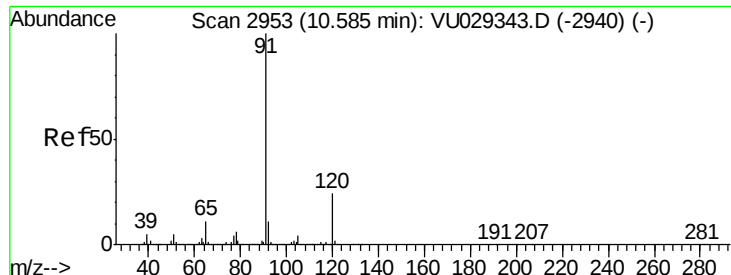
#72  
Bromobenzene  
Concen: 11.262 ug/l  
RT: 10.45 min Scan# 2911  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 139.9 | 0.0   | 343.8 |
| 158     | 96.9  | 0.0   | 195.0 |



Abundance Ion 156.00 (155.70 to 156.70): V  
Ion 77.00 (76.70 to 77.70): VU0  
Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 10.914 ug/l

RT: 10.59 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion:120 Resp: 217842

Ion Ratio Lower Upper

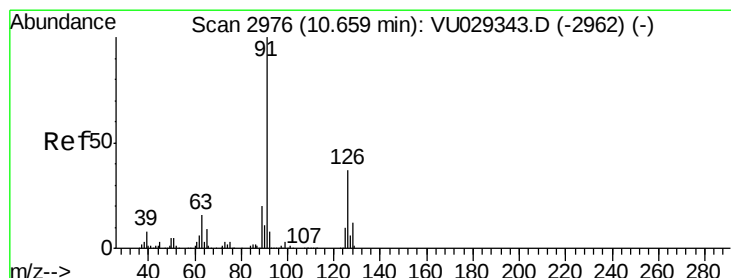
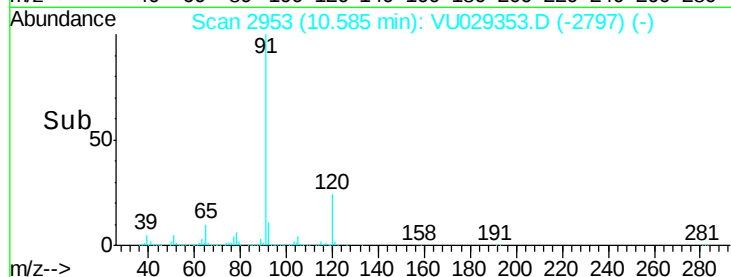
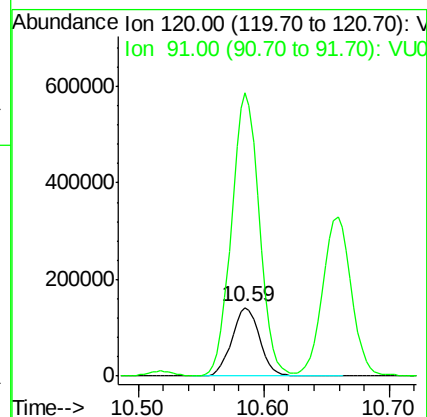
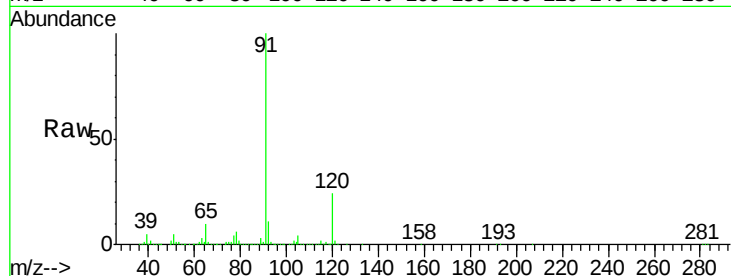
120 100

91 410.7 370.0 555.0

Manual Integrations  
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#74

2-Chlorotoluene

Concen: 10.995 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. 0.00 min

Lab File: VU029353.D

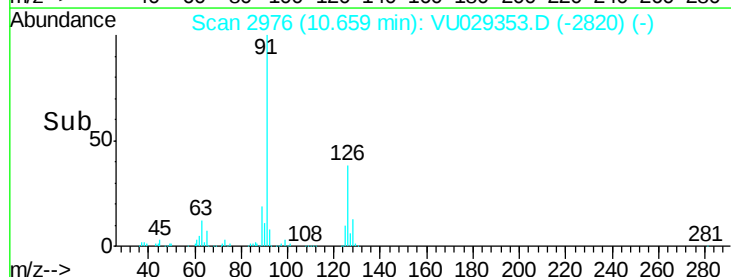
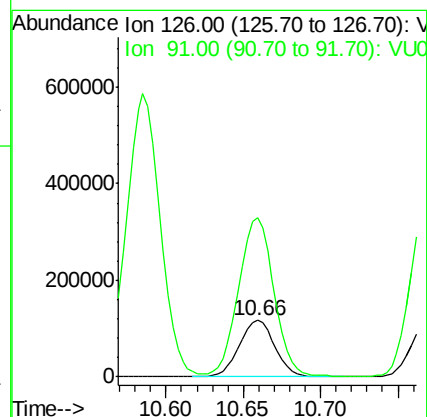
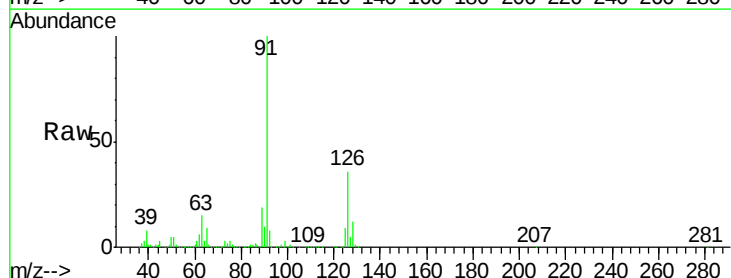
Acq: 05 Feb 2019 18:16

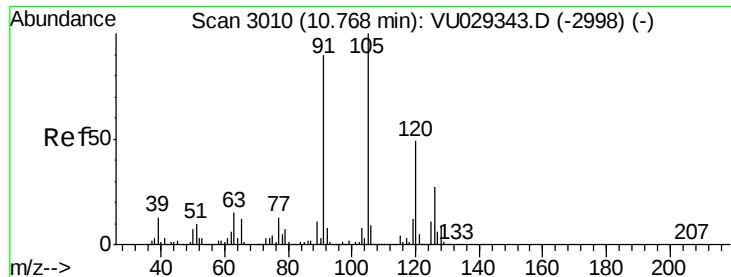
Tgt Ion:126 Resp: 186863

Ion Ratio Lower Upper

126 100

91 280.5 0.0 643.0





#75

1,3,5-Trimethylbenzene

Concen: 10.704 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion:105 Resp: 661313

Ion Ratio Lower Upper

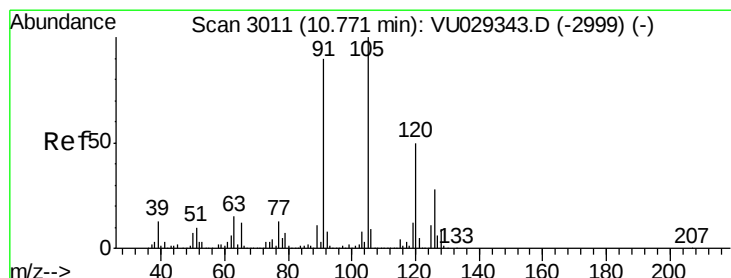
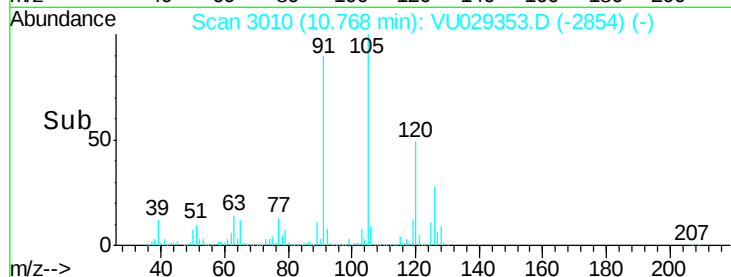
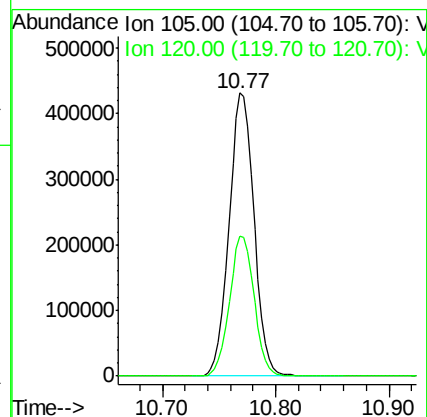
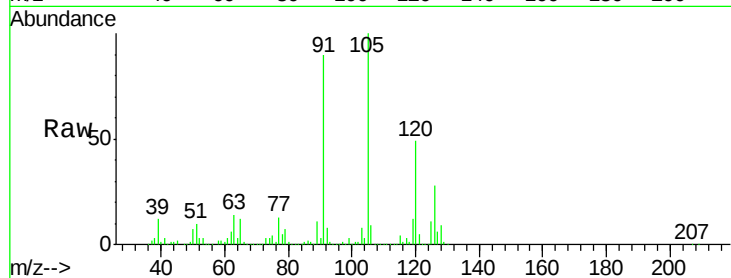
105 100

120 49.1 37.3 55.9

Manual Integrations  
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sam

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#76

4-Chlorotoluene

Concen: 10.719 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029353.D

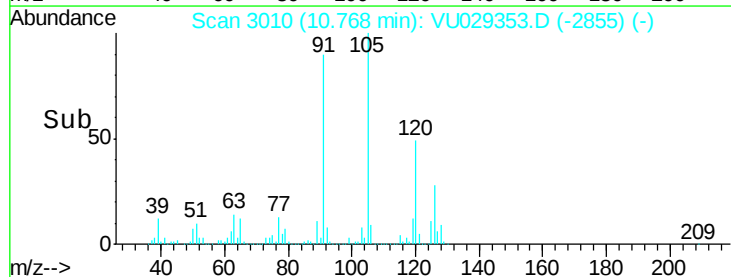
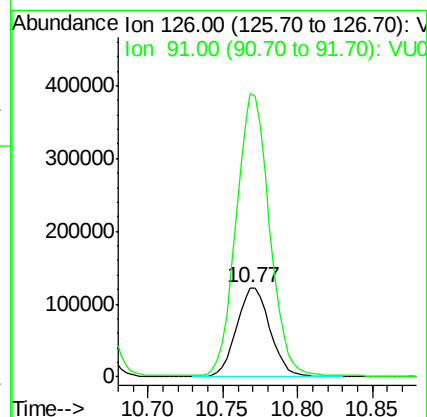
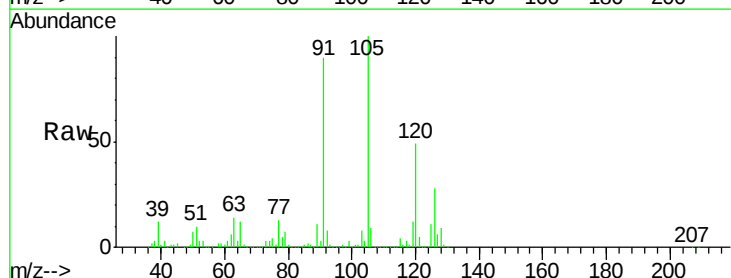
Acq: 05 Feb 2019 18:16

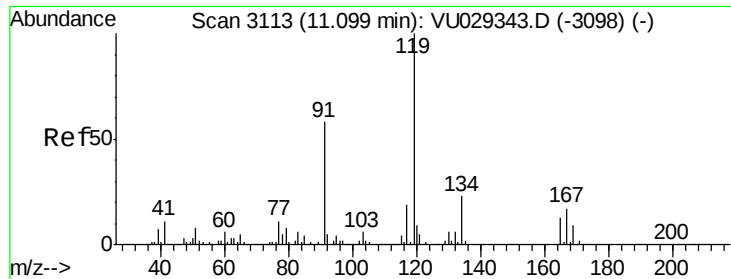
Tgt Ion:126 Resp: 189075

Ion Ratio Lower Upper

126 100

91 322.8 0.0 727.4





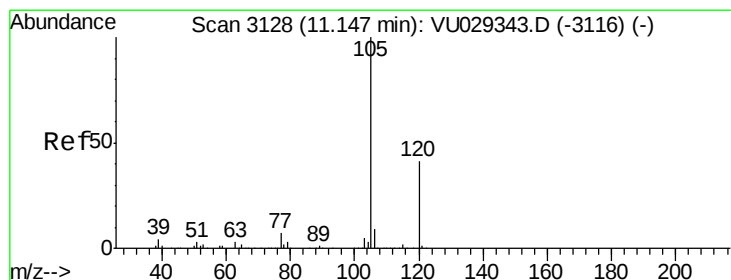
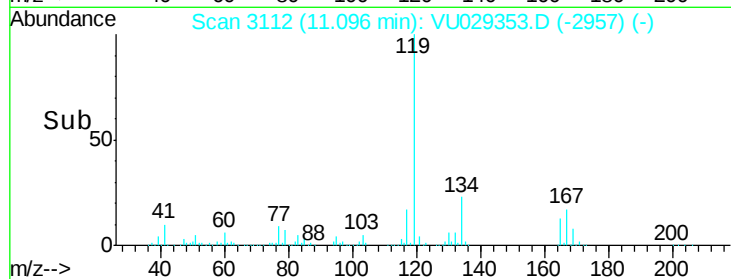
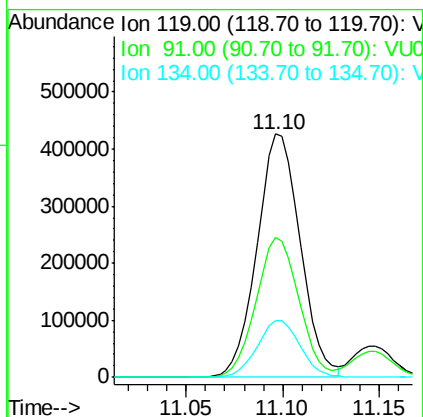
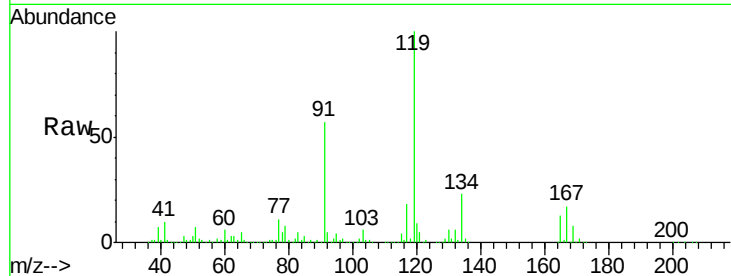
#77  
tert-Butylbenzene  
Concen: 10.865 ug/l  
RT: 11.10 min Scan# 3112  
Delta R.T. -0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 56.9  | 32.2  | 96.6  |
| 134     | 23.2  | 17.6  | 26.4  |

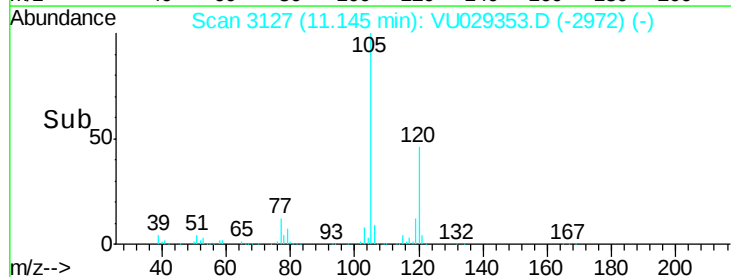
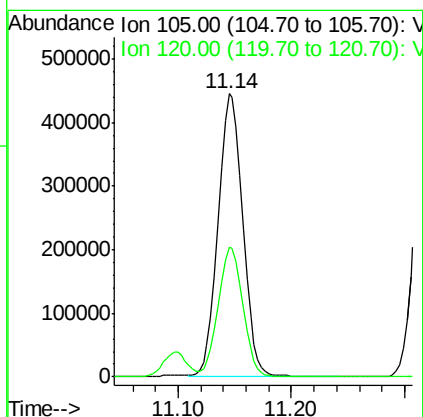
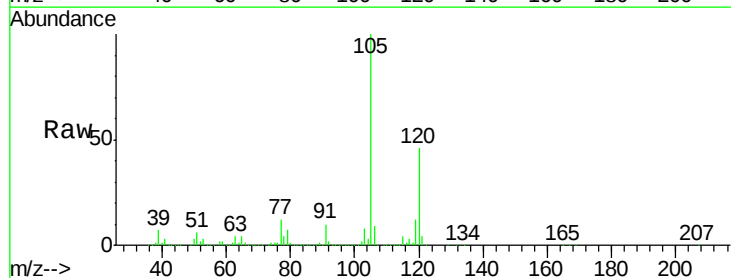
Manual Integrations  
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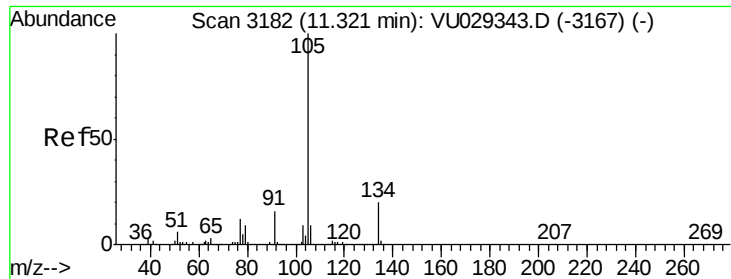
sam  
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#78  
1,2,4-Trimethylbenzene  
Concen: 10.802 ug/l  
RT: 11.14 min Scan# 3127  
Delta R.T. -0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.1  | 21.4  | 64.3  |





#79

sec-Butylbenzene

Concen: 10.704 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

ClientSampleId :

VSTD01050

Tot Ion: 105 Resp: 855292

Ion Ratio Lower Upper

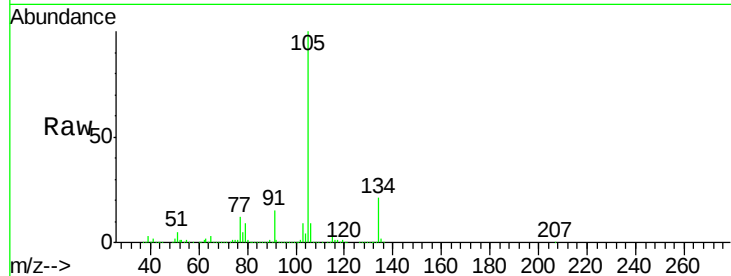
105 100

134 20.8 15.0 22.6

Manual Integrations  
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.32

600000

500000

400000

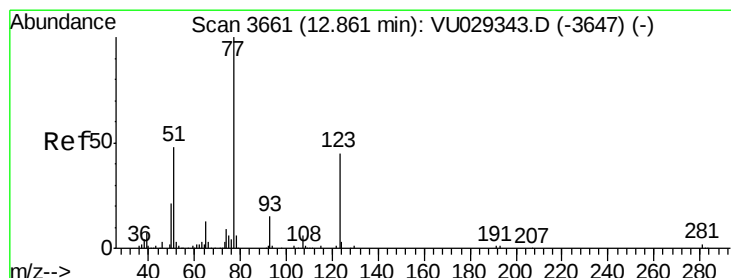
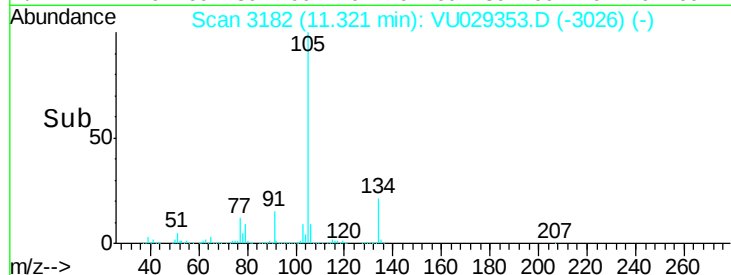
300000

200000

100000

0

Time-->



#80

Nitrobenzene

Concen: 53.546 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

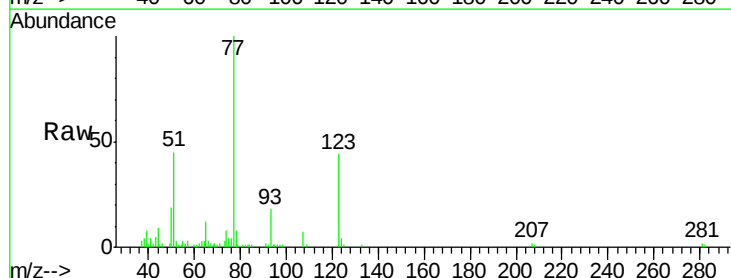
Tgt Ion: 77 Resp: 31519

Ion Ratio Lower Upper

77 100

123 45.9 17.5 61.9

65 14.1 10.8 13.8#



Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

12.86

20000

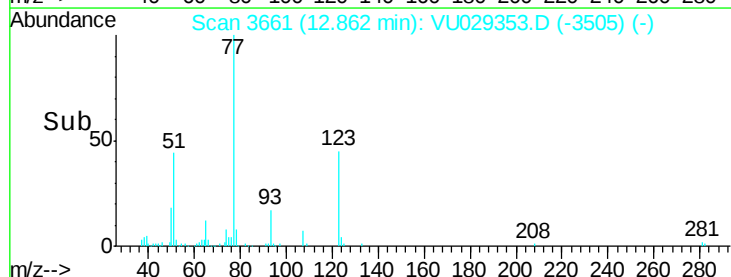
15000

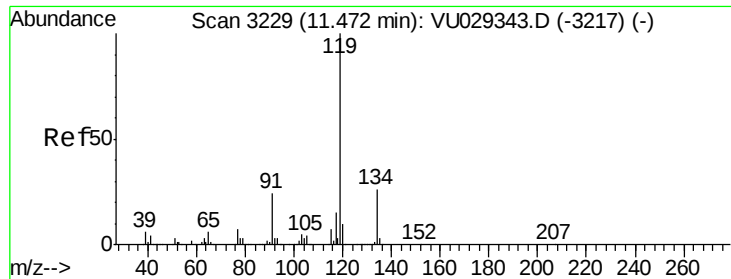
10000

5000

0

Time-->





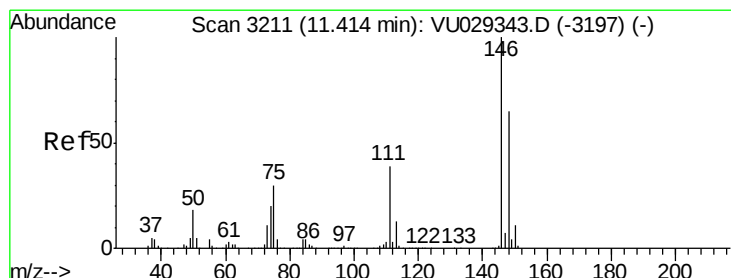
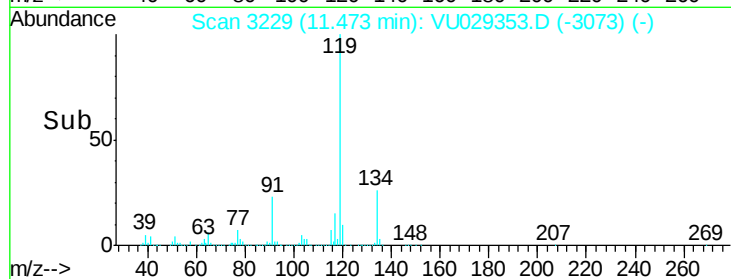
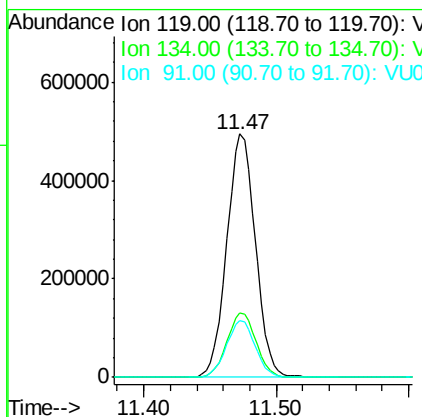
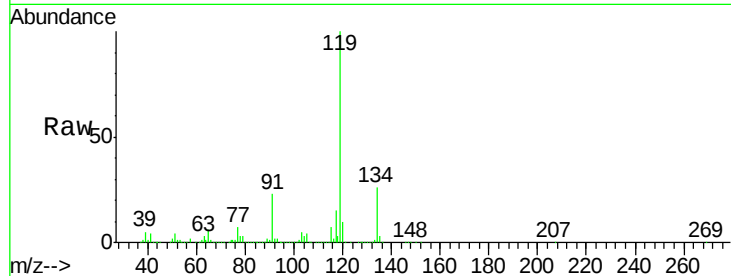
#81  
 p-Isopropyltoluene  
 Concen: 10.939 ug/l  
 RT: 11.47 min Scan# 3229  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 740903 |       |       |
| 134     | 26.9  | 19.8   | 29.6  |       |
| 91      | 23.4  | 21.5   | 32.3  |       |

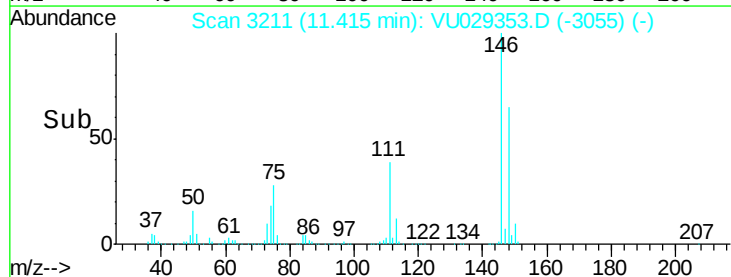
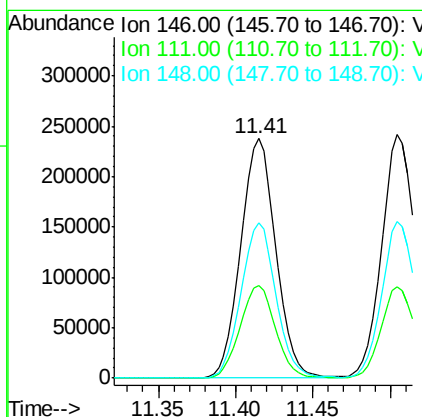
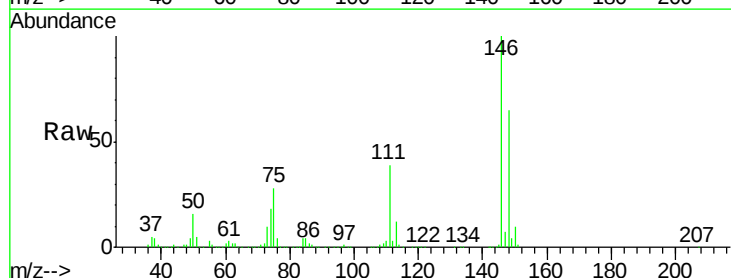
Manual Integrations  
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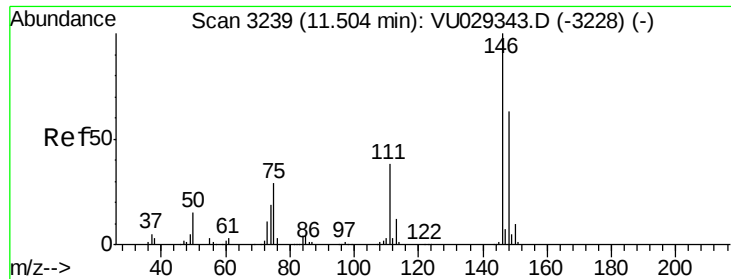
sam  
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#82  
 1,3-Dichlorobenzene  
 Concen: 11.039 ug/l  
 RT: 11.41 min Scan# 3211  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 376205 |       |       |
| 111     | 38.9  | 34.1   | 51.1  |       |
| 148     | 64.6  | 52.3   | 78.5  |       |





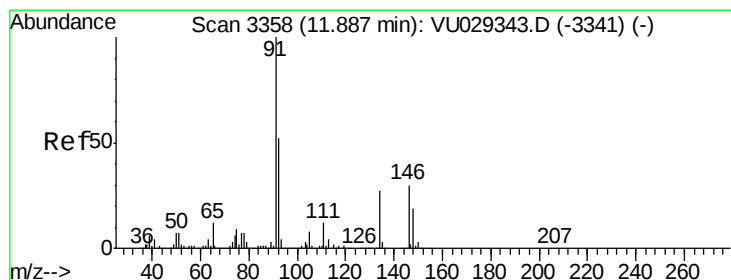
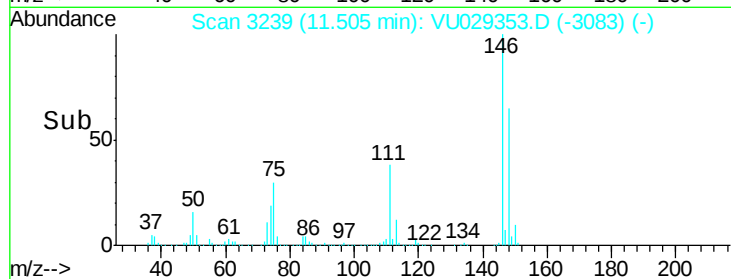
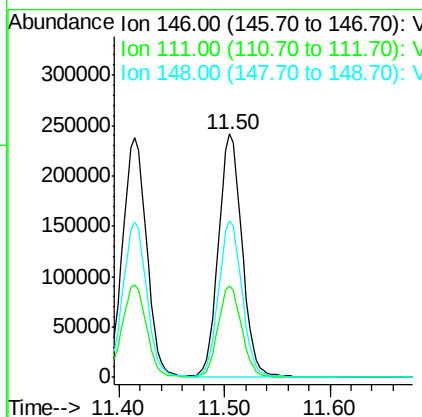
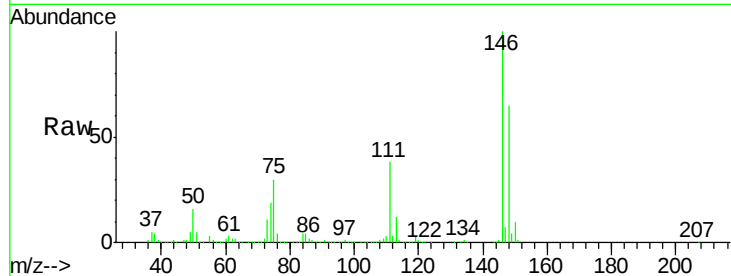
#83  
 1,4-Dichlorobenzene  
 Concen: 11.025 ug/l  
 RT: 11.50 min Scan# 3239  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampled :  
 VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 37.5  | 32.9  | 49.3  |
| 148     | 64.0  | 51.8  | 77.6  |

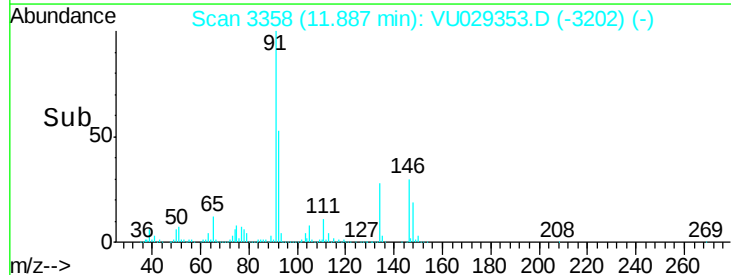
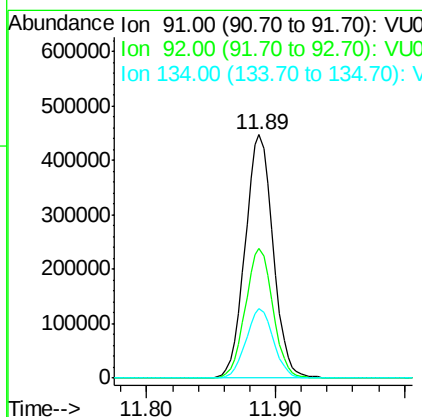
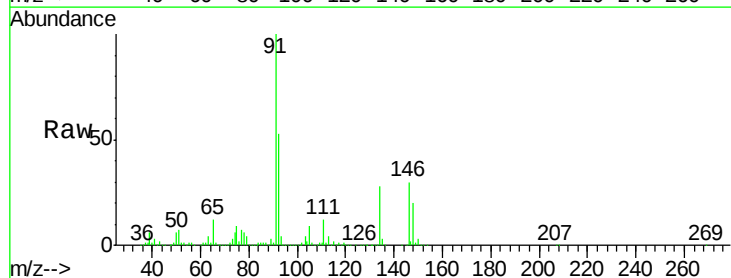
Manual Integrations  
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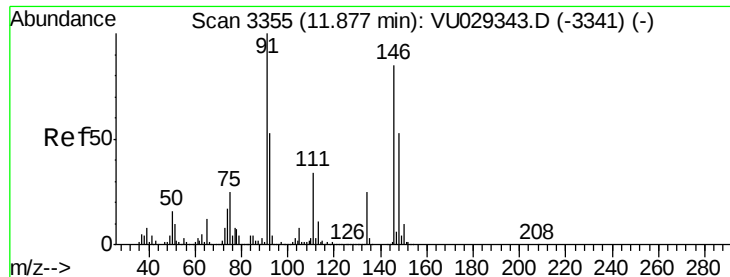
sam  
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#84  
 n-Butylbenzene  
 Concen: 10.806 ug/l  
 RT: 11.89 min Scan# 3358  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 52.9  | 41.0  | 61.6  |
| 134     | 28.2  | 19.1  | 28.7  |





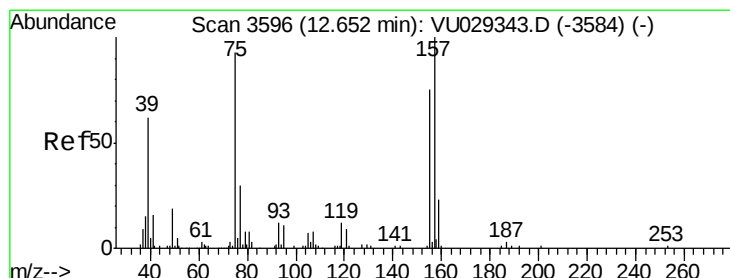
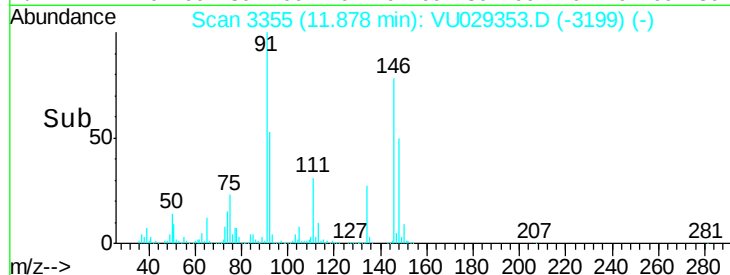
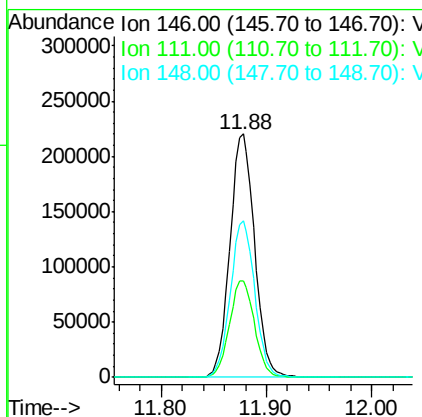
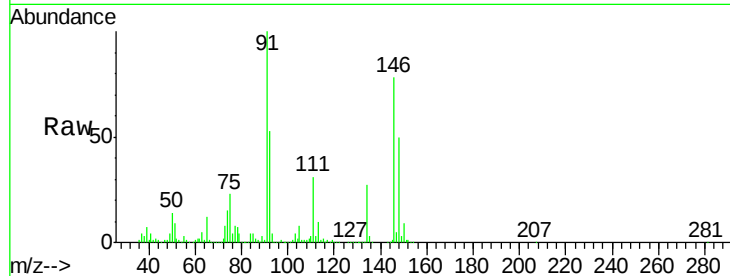
#85  
 1,2-Dichlorobenzene  
 Concen: 11.050 ug/l  
 RT: 11.88 min Scan# 3355  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 40.0  | 21.9  | 65.8  |
| 148     | 63.6  | 31.8  | 95.3  |

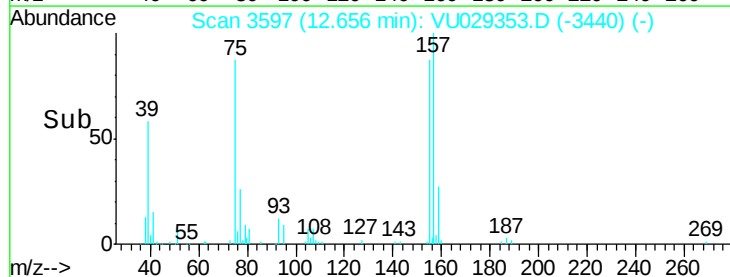
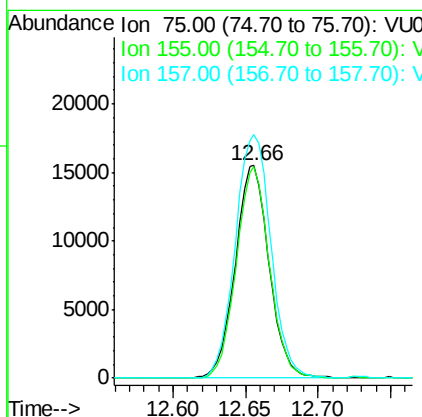
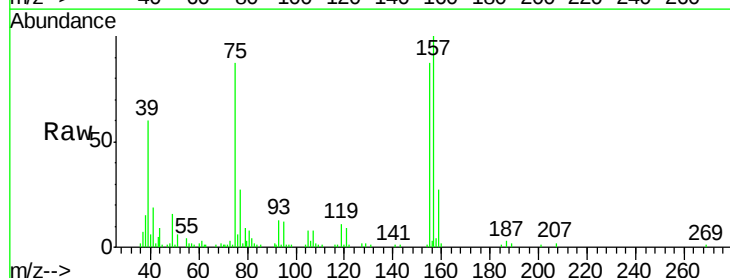
Manual Integrations  
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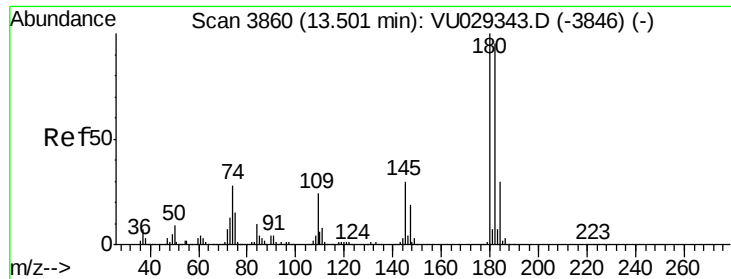
sam  
 2/8/2019 2:26:54 PM



#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 10.238 ug/l  
 RT: 12.66 min Scan# 3597  
 Delta R.T. 0.00 min  
 Lab File: VU029353.D  
 Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 155     | 96.6  | 53.8  | 80.8#  |
| 157     | 120.3 | 69.2  | 103.8# |





#87

1,2,4-Trichlorobenzene

Concen: 11.555 ug/l

RT: 13.50 min Scan# 3860

Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

Instrument :

MSVOA\_U

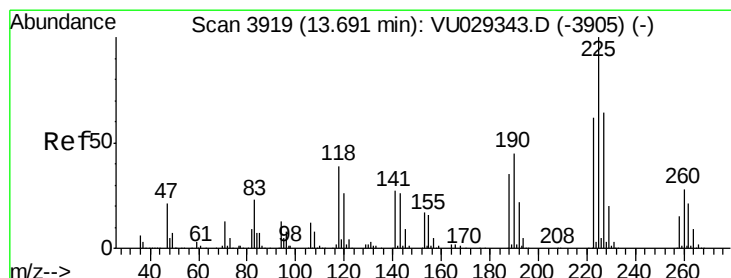
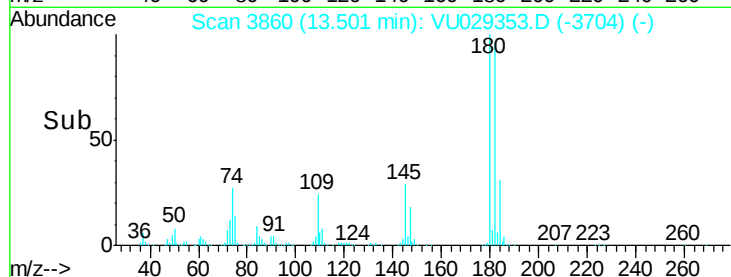
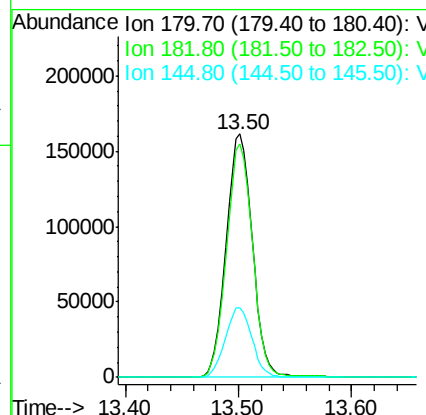
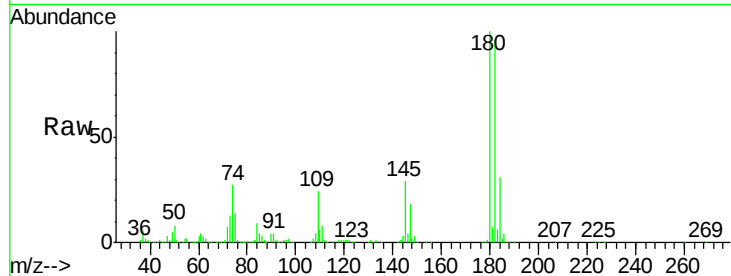
ClientSampleId :

VSTD01050

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 180   | Resp: | 261507 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.5  | 76.6  | 114.8  |
| 145       | 28.9  | 24.6  | 36.8   |

Manual Integrations  
APPROVED

sam  
2/8/2019 2:26:54 PM



#88

Hexachlorobutadiene

Concen: 11.686 ug/l

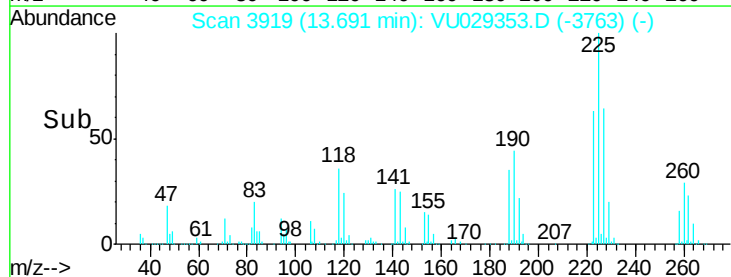
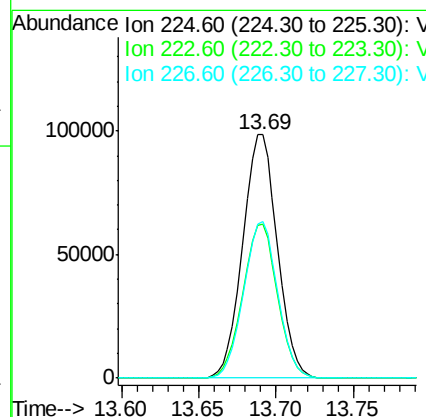
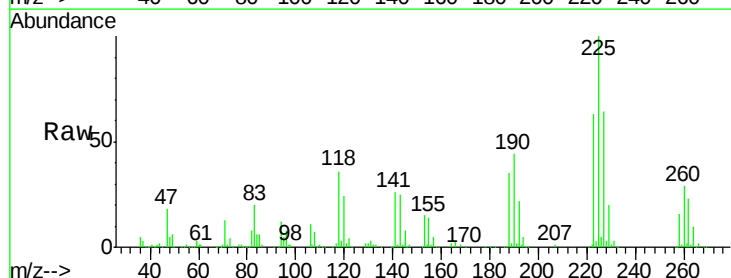
RT: 13.69 min Scan# 3919

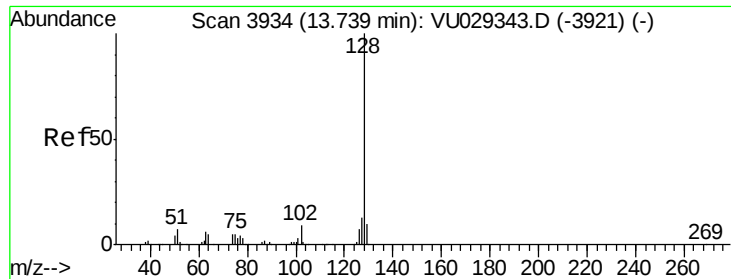
Delta R.T. 0.00 min

Lab File: VU029353.D

Acq: 05 Feb 2019 18:16

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 153167 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 63.4  | 49.5  | 74.3   |
| 227       | 63.2  | 50.4  | 75.6   |





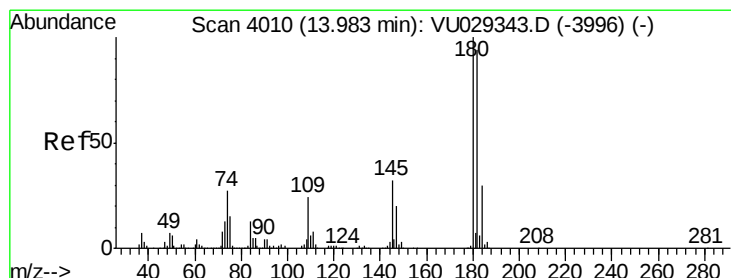
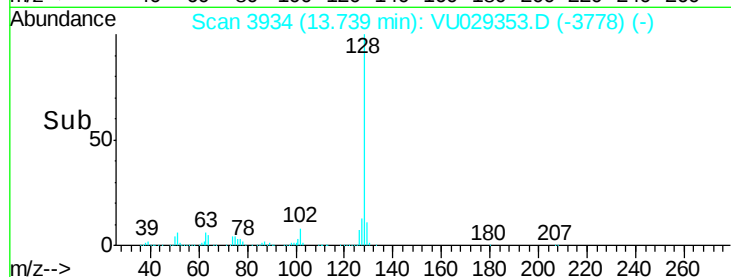
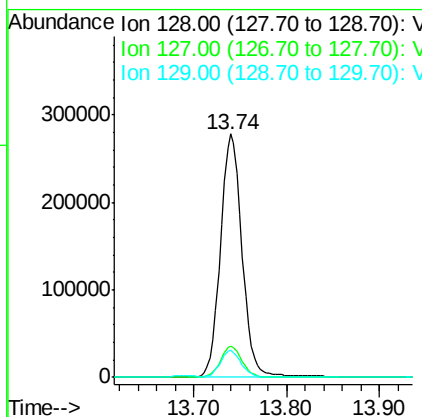
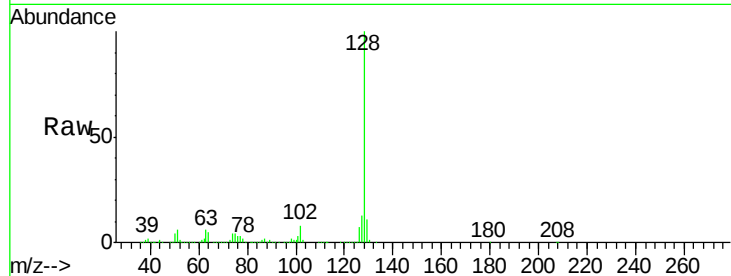
#89  
Naphthalene  
Concen: 11.758 ug/l  
RT: 13.74 min Scan# 3934  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTD01050

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.9  | 10.7  | 16.1  |
| 129     | 10.7  | 8.2   | 12.4  |

Manual Integrations  
APPROVED

sam  
2/8/2019 2:26:54 PM



#90  
1,2,3-Trichlorobenzene  
Concen: 11.482 ug/l  
RT: 13.98 min Scan# 4010  
Delta R.T. 0.00 min  
Lab File: VU029353.D  
Acq: 05 Feb 2019 18:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.0  | 78.0  | 117.0 |
| 145     | 31.0  | 26.6  | 39.8  |

