

Data File : VU033207.D  
Acq On : 12 Jul 2019 00:08  
Operator : JC/SP  
Sample : VSTDCCC010  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Quant Time: Jul 12 05:33:21 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\524U071119DW.M  
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Jul 12 05:19:33 2019  
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------|------|------|----------|------|-------|----------|
| 1) Fluorobenzene   | 5.72 | 96   | 32939    | 1.00 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                            |       |     |          |      |         |      |
|----------------------------|-------|-----|----------|------|---------|------|
| 57) 4-Bromofluorobenzene   | 10.29 | 95  | 13264    | 1.07 | ug/l    | 0.00 |
| Spiked Amount              | 1.000 |     | Recovery | =    | 107.00% |      |
| 68) 1,2-Dichlorobenzene-d4 | 11.85 | 152 | 14001    | 1.04 | ug/l    | 0.00 |
| Spiked Amount              | 1.000 |     | Recovery | =    | 104.00% |      |

#### Target Compounds

|                               |      |     |        |        | Qvalue    |
|-------------------------------|------|-----|--------|--------|-----------|
| 2) Dichlorodifluoromethane    | 1.20 | 85  | 126911 | 9.860  | ug/l 100  |
| 3) Chloromethane              | 1.32 | 50  | 136350 | 9.070  | ug/l 99   |
| 4) Vinyl Chloride             | 1.40 | 62  | 151971 | 9.807  | ug/l 99   |
| 5) Bromomethane               | 1.62 | 94  | 90784  | 9.389  | ug/l 97   |
| 6) Chloroethane               | 1.69 | 64  | 93122  | 9.797  | ug/l 96   |
| 7) Trichlorofluoromethane     | 1.87 | 101 | 207321 | 9.887  | ug/l 100  |
| 8) 1,1,2-Trichloro-1,2,2-trif | 2.27 | 101 | 103959 | 9.660  | ug/l 100  |
| 9) 1,1-Dichloroethene         | 2.27 | 96  | 104413 | 9.609  | ug/l 98   |
| 10) Iodomethane               | 2.40 | 142 | 126732 | 11.050 | ug/l 97   |
| 11) Allyl Chloride            | 2.58 | 41  | 171369 | 9.439  | ug/l 100  |
| 12) Acrylonitrile             | 2.92 | 53  | 59617  | 19.809 | ug/l 99   |
| 13) Acetone                   | 2.31 | 43  | 119069 | 44.129 | ug/l 98   |
| 14) Carbon Disulfide          | 2.46 | 76  | 387990 | 9.781  | ug/l 98   |
| 15) Methylene Chloride        | 2.68 | 84  | 130304 | 8.971  | ug/l 98   |
| 16) trans-1,2-Dichloroethene  | 2.96 | 96  | 121636 | 9.774  | ug/l 95   |
| 17) 1,1-Dichloroethane        | 3.42 | 63  | 179433 | 9.931  | ug/l 100  |
| 18) 2-Butanone                | 4.25 | 43  | 139200 | 51.641 | ug/l 100  |
| 19) Cyclohexane               | 4.97 | 56  | 125964 | 9.121  | ug/l 85   |
| 20) Methylcyclohexane         | 6.39 | 83  | 157391 | 10.871 | ug/l 100  |
| 21) 2,2-Dichloropropane       | 4.20 | 77  | 124095 | 8.175  | ug/l 98   |
| 22) cis-1,2-Dichloroethene    | 4.20 | 96  | 103668 | 10.030 | ug/l 99   |
| 23) Diethyl Ether             | 2.09 | 59  | 90588  | 9.563  | ug/l 97   |
| 24) tert-Butyl Alcohol        | 2.82 | 59  | 113880 | 98.623 | ug/l 99   |
| 25) Methyl tert-Butyl Ether   | 2.98 | 73  | 313930 | 9.911  | ug/l 99   |
| 26) Bromochloromethane        | 4.52 | 128 | 45471  | 9.931  | ug/l 99   |
| 27) Chloroform                | 4.65 | 83  | 186552 | 9.351  | ug/l 100  |
| 28) 1,1,1-Trichloroethane     | 4.89 | 97  | 159660 | 10.109 | ug/l 99   |
| 29) 1,1-Dichloropropene       | 5.11 | 75  | 139355 | 10.462 | ug/l 100  |
| 30) Carbon Tetrachloride      | 5.11 | 117 | 140134 | 10.048 | ug/l 97   |
| 31) Isopropyl Ether           | 3.55 | 45  | 248730 | 10.255 | ug/l 99   |
| 32) Ethyl-t-butyl ether       | 4.05 | 59  | 251578 | 10.635 | ug/l 97   |
| 33) Tert-Amyl methyl ether    | 5.56 | 73  | 236243 | 10.839 | ug/l 99   |
| 34) Propionitrile             | 4.31 | 54  | 40622  | 53.189 | ug/l # 95 |
| 35) Benzene                   | 5.36 | 78  | 396444 | 10.209 | ug/l 99   |
| 36) 1,2-Dichloroethane        | 5.38 | 62  | 128686 | 10.237 | ug/l 100  |
| 37) Trichloroethene           | 6.16 | 130 | 103173 | 10.164 | ug/l 96   |
| 38) 1,2-Dichloropropane       | 6.41 | 63  | 106370 | 10.126 | ug/l 100  |
| 39) Methacrylonitrile         | 4.52 | 41  | 33458  | 10.566 | ug/l 98   |
| 40) Methyl acrylate           | 4.40 | 55  | 52295  | 11.153 | ug/l 98   |
| 41) Tetrahydrofuran           | 4.62 | 42  | 33539  | 20.191 | ug/l 100  |
| 42) 1-Chlorobutane            | 5.04 | 56  | 189054 | 10.451 | ug/l 99   |

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Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
QLast Update : Fri Jul 12 05:19:33 2019  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 43) Dibromomethane             | 6.54  | 93   | 57399    | 10.219 | ug/l   | 98       |
| 44) Bromodichloromethane       | 6.74  | 83   | 138361   | 9.996  | ug/l   | 97       |
| 45) 4-Methyl-2-Pentanone       | 7.45  | 43   | 350496   | 55.413 | ug/l   | 99       |
| 46) t-1,4-Dichloro-2-butene    | 10.48 | 75   | 68946    | 25.601 | ug/l   | 87       |
| 47) Methyl methacrylate        | 6.61  | 69   | 104694   | 23.040 | ug/l   | 100      |
| 48) Ethyl methacrylate         | 8.00  | 69   | 96531    | 11.303 | ug/l   | 99       |
| 49) Toluene                    | 7.62  | 92   | 248726   | 10.858 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene      | 7.86  | 75   | 127468   | 10.380 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene    | 7.25  | 75   | 147314   | 10.384 | ug/l   | 99       |
| 52) 1,1,2-Trichloroethane      | 8.05  | 97   | 79026    | 10.135 | ug/l   | 98       |
| 53) 1,3-Dichloropropane        | 8.22  | 76   | 136646   | 10.339 | ug/l   | 100      |
| 54) 2-Hexanone                 | 8.35  | 43   | 247613   | 56.012 | ug/l   | 99       |
| 55) Dibromochloromethane       | 8.46  | 129  | 94688    | 10.493 | ug/l   | 98       |
| 56) 1,2-Dibromoethane          | 8.57  | 107  | 75936    | 10.527 | ug/l   | 100      |
| 58) Tetrachloroethene          | 8.21  | 164  | 95665    | 10.313 | ug/l   | 98       |
| 59) Chlorobenzene              | 9.10  | 112  | 272335   | 10.579 | ug/l   | 97       |
| 60) 1,1,1,2-Tetrachloroethane  | 9.19  | 131  | 99033    | 10.439 | ug/l   | 99       |
| 61) Pentachloroethane          | 11.09 | 117  | 77304    | 10.367 | ug/l   | 99       |
| 62) Hexachloroethane           | 12.13 | 117  | 77513    | 10.706 | ug/l   | 100      |
| 63) Ethyl Benzene              | 9.23  | 91   | 480488   | 11.415 | ug/l   | 99       |
| 64) m/p-Xylenes                | 9.36  | 106  | 377627   | 22.959 | ug/l   | 99       |
| 65) o-Xylene                   | 9.76  | 106  | 179718   | 11.240 | ug/l   | 98       |
| 66) Styrene                    | 9.77  | 104  | 315284   | 11.682 | ug/l   | 100      |
| 67) Bromoform                  | 9.94  | 173  | 54556    | 10.633 | ug/l   | 99       |
| 69) Isopropylbenzene           | 10.15 | 105  | 472946   | 11.378 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane  | 10.44 | 83   | 110869   | 10.445 | ug/l   | 100      |
| 71) 1,2,3-Trichloropropane     | 10.48 | 75   | 68946    | 8.667  | ug/l   | 91       |
| 72) Bromobenzene               | 10.43 | 156  | 116802   | 10.833 | ug/l   | 98       |
| 73) n-propylbenzene            | 10.57 | 120  | 137454   | 11.674 | ug/l   | 100      |
| 74) 2-Chlorotoluene            | 10.64 | 126  | 118729   | 11.173 | ug/l   | 99       |
| 75) 1,3,5-Trimethylbenzene     | 10.76 | 105  | 427139   | 11.871 | ug/l   | 99       |
| 76) 4-Chlorotoluene            | 10.76 | 126  | 120916   | 11.145 | ug/l   | 94       |
| 77) tert-Butylbenzene          | 11.08 | 119  | 396454   | 11.443 | ug/l   | 100      |
| 78) 1,2,4-Trimethylbenzene     | 11.13 | 105  | 435409   | 11.842 | ug/l   | 100      |
| 79) sec-Butylbenzene           | 11.31 | 105  | 545807   | 11.479 | ug/l   | 99       |
| 80) Nitrobenzene               | 12.85 | 77   | 18377    | 44.547 | ug/l # | 97       |
| 81) p-Isopropyltoluene         | 11.46 | 119  | 452211   | 11.695 | ug/l   | 100      |
| 82) 1,3-Dichlorobenzene        | 11.40 | 146  | 239737   | 10.775 | ug/l   | 99       |
| 83) 1,4-Dichlorobenzene        | 11.49 | 146  | 243116   | 10.853 | ug/l   | 100      |
| 84) n-Butylbenzene             | 11.87 | 91   | 438503   | 11.379 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene        | 11.86 | 146  | 227539   | 10.692 | ug/l   | 99       |
| 86) 1,2-Dibromo-3-Chloropropan | 12.64 | 75   | 18179    | 10.812 | ug/l   | 97       |
| 87) 1,2,4-Trichlorobenzene     | 13.49 | 180  | 147819   | 11.281 | ug/l   | 100      |
| 88) Hexachlorobutadiene        | 13.68 | 225  | 78436    | 10.362 | ug/l   | 99       |
| 89) Naphthalene                | 13.73 | 128  | 287030   | 9.731  | ug/l   | 99       |
| 90) 1,2,3-Trichlorobenzene     | 13.97 | 180  | 141693   | 11.321 | ug/l   | 98       |

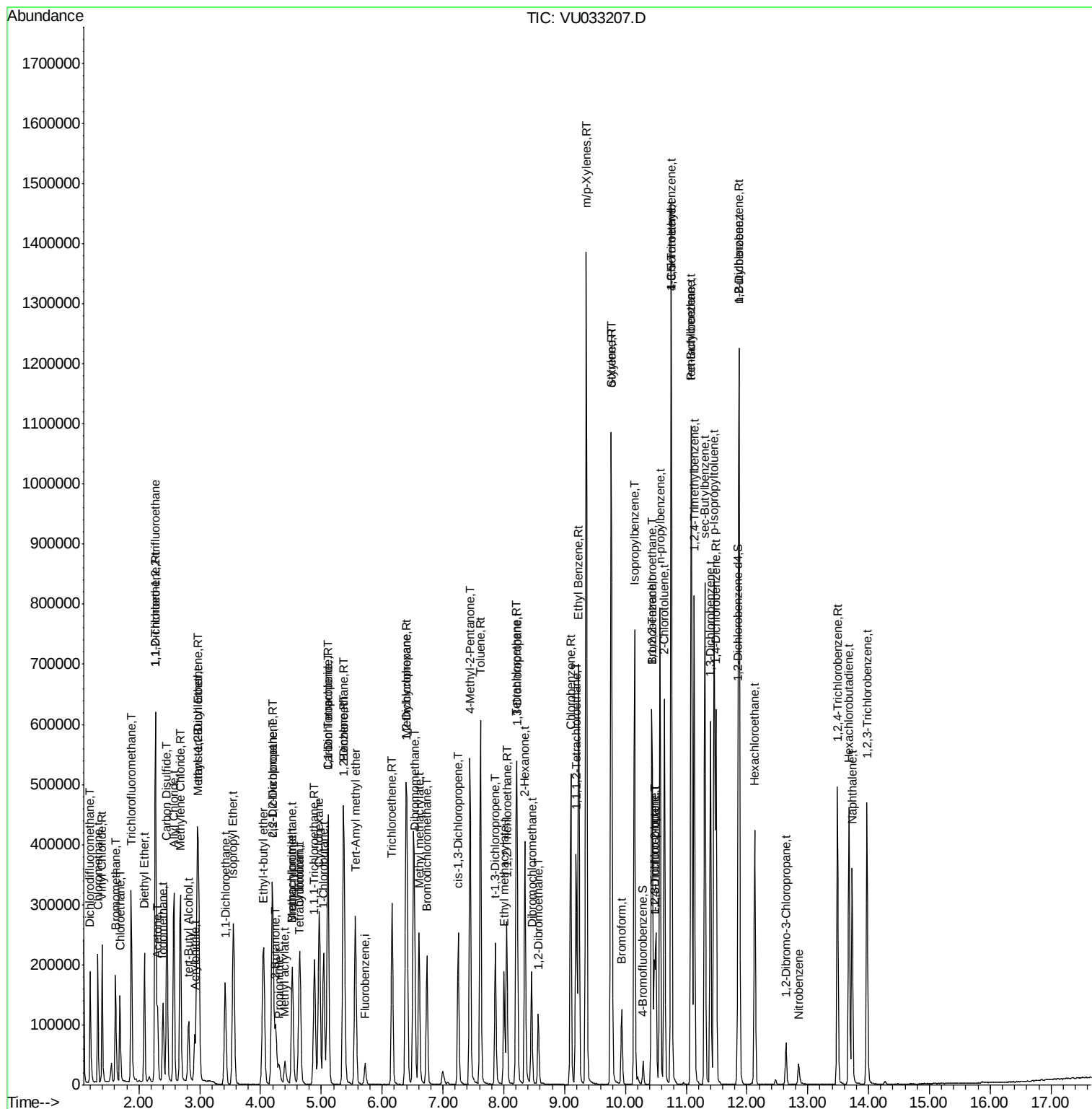
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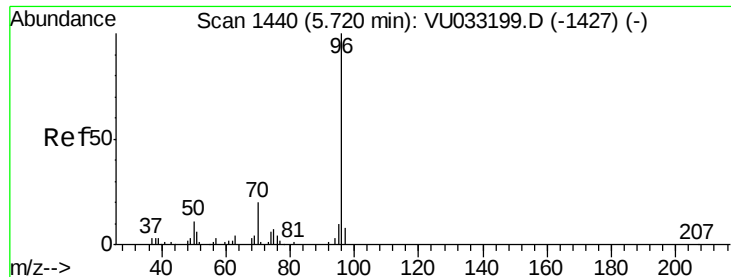
Data File : VU033207.D

```
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ALS Vial     : 20      Sample Multiplier: 1
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MSVOA\_U  
**ClientSampleId :**  
VSTDCCC010EC

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QLast Update : Fri Jul 12 05:19:33 2019  
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 96 Resp: 32939

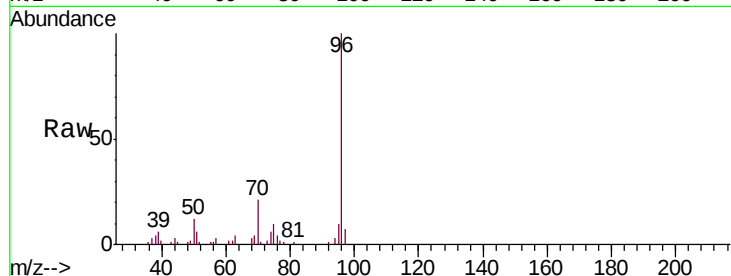
Ion Ratio Lower Upper

96 100

70 20.4 16.2 24.4

95 8.9 7.8 11.8

97 0.0 0.0 0.0

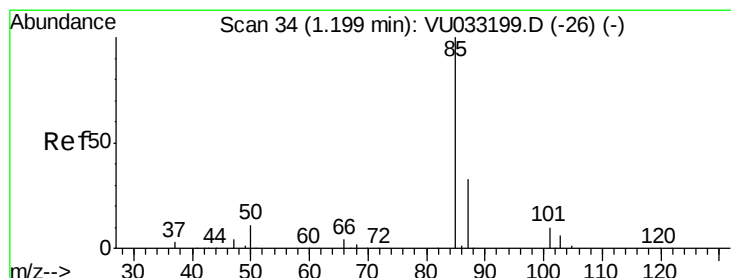
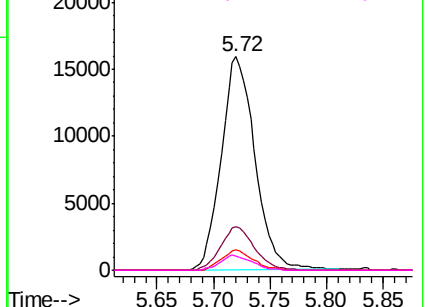
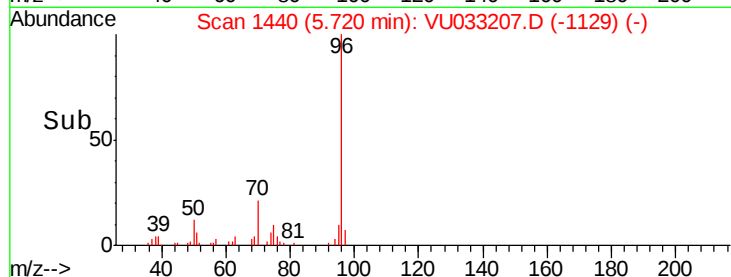


Abundance Ion 96.00 (95.70 to 96.70): VU033207.D (-1129) (-)

Ion 70.00 (69.70 to 70.70): VU033207.D (-1129) (-)

Ion 95.00 (94.70 to 95.70): VU033207.D (-1129) (-)

Ion 97.00 (96.70 to 97.70): VU033207.D (-1129) (-)



#2

Dichlorodifluoromethane

Concen: 9.860 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033207.D

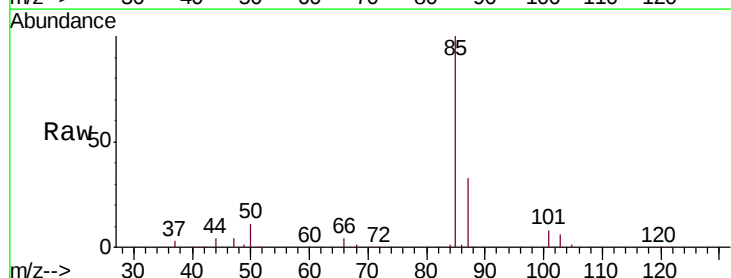
Acq: 12 Jul 2019 00:08

Tgt Ion: 85 Resp: 126911

Ion Ratio Lower Upper

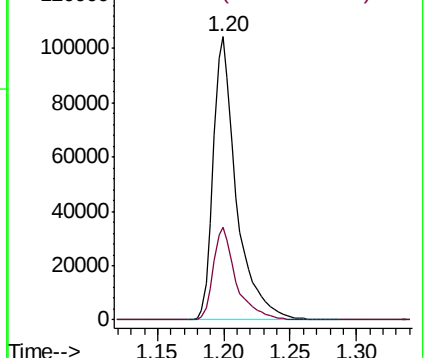
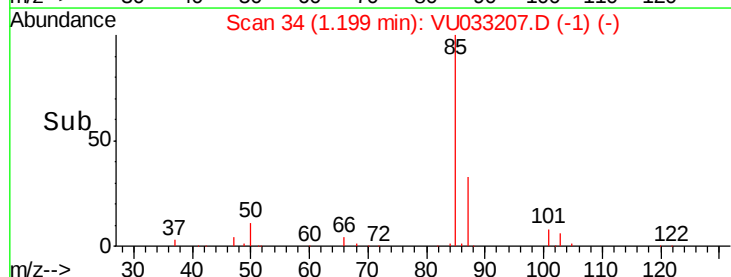
85 100

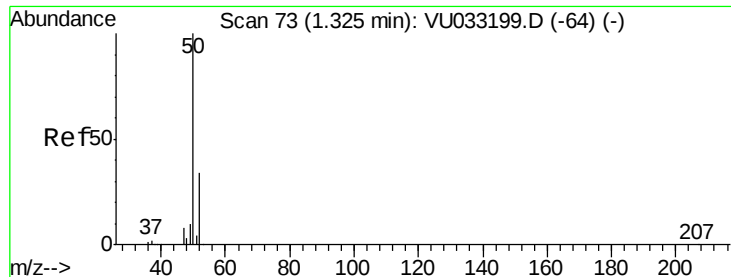
87 32.8 16.4 49.1



Abundance Ion 85.00 (84.70 to 85.70): VU033207.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VU033207.D (-1) (-)





#3

Chloromethane

Concen: 9.070 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

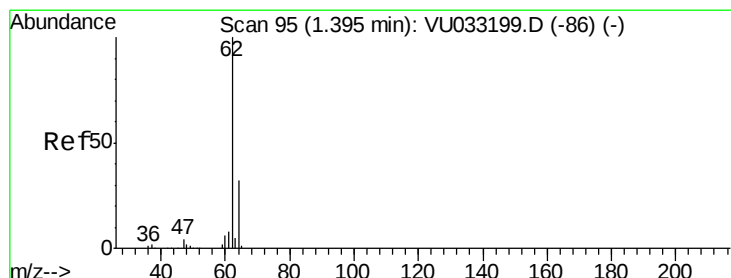
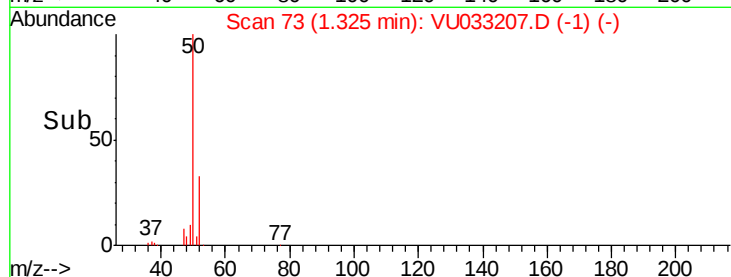
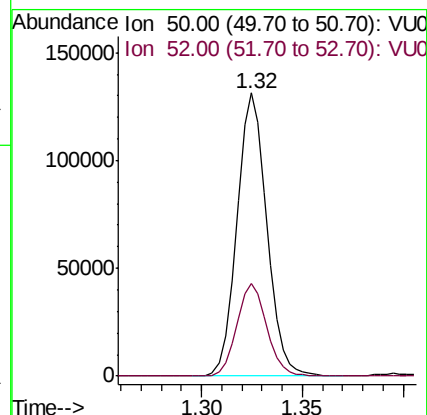
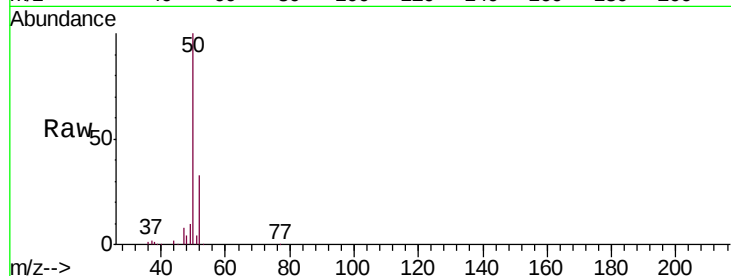
VSTDCCC010EC

Tgt Ion: 50 Resp: 136350

Ion Ratio Lower Upper

50 100

52 32.9 27.0 40.4



#4

Vinyl Chloride

Concen: 9.807 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033207.D

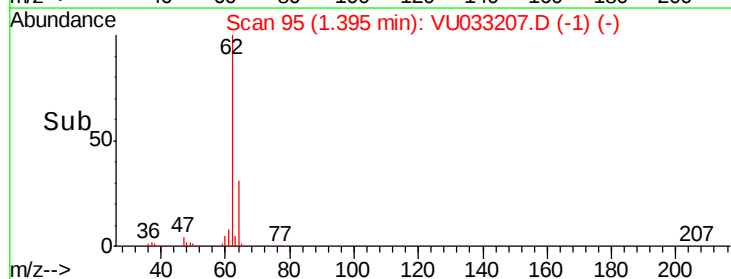
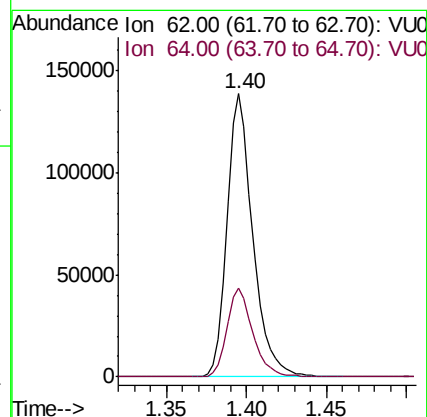
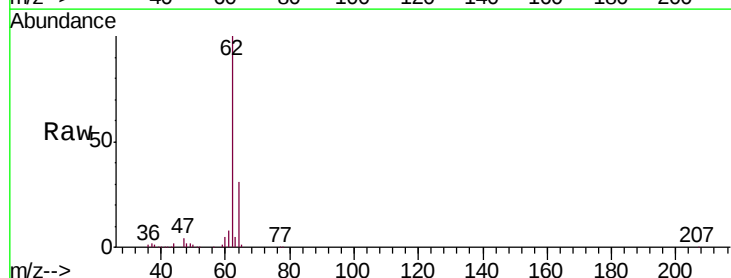
Acq: 12 Jul 2019 00:08

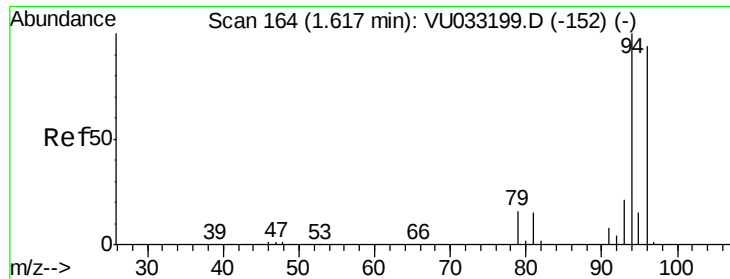
Tgt Ion: 62 Resp: 151971

Ion Ratio Lower Upper

62 100

64 31.4 25.7 38.5





#5

Bromomethane

Concen: 9.389 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

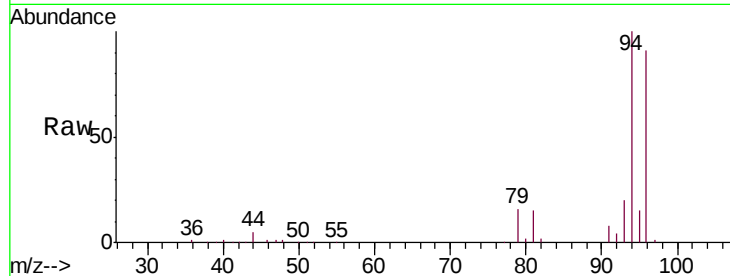
VSTDCCC010EC

Tgt Ion: 94 Resp: 90784

Ion Ratio Lower Upper

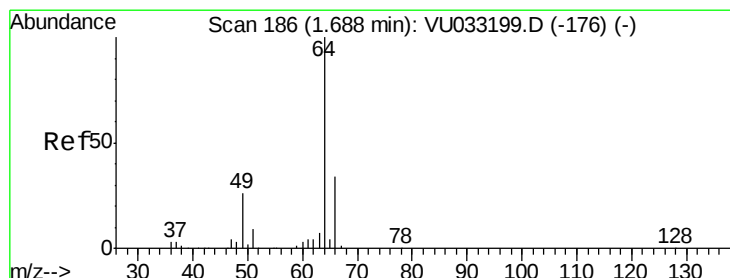
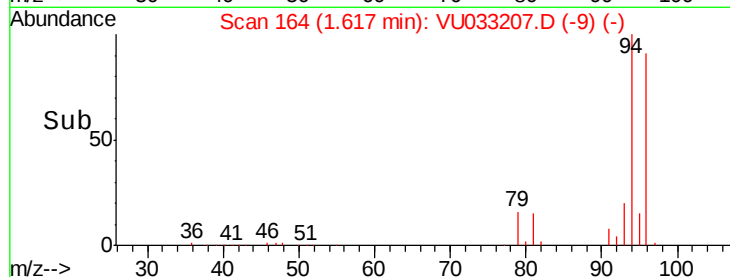
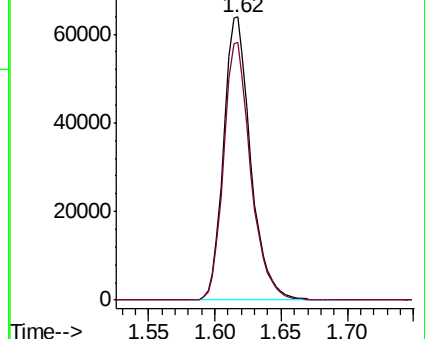
94 100

96 91.0 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VU033199.D (-152) (-)

Ion 96.00 (95.70 to 96.70): VU033207.D (-31) (-)



#6

Chloroethane

Concen: 9.797 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033207.D

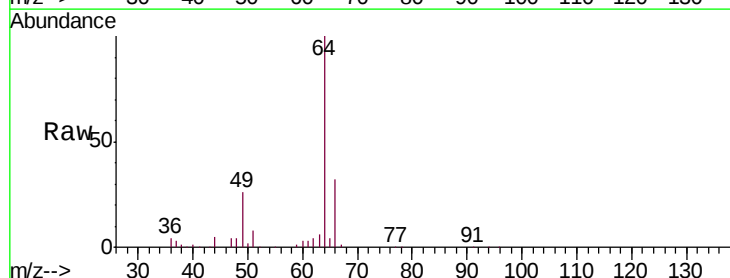
Acq: 12 Jul 2019 00:08

Tgt Ion: 64 Resp: 93122

Ion Ratio Lower Upper

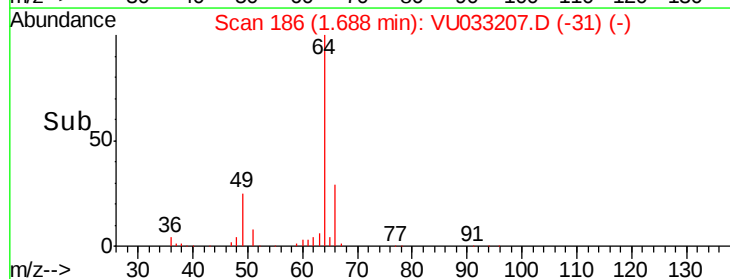
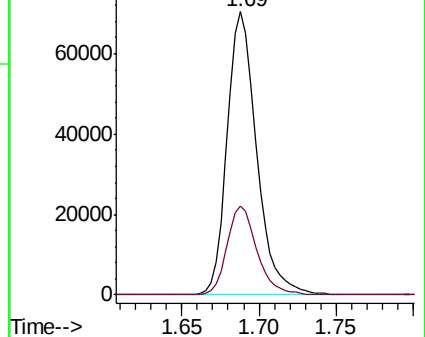
64 100

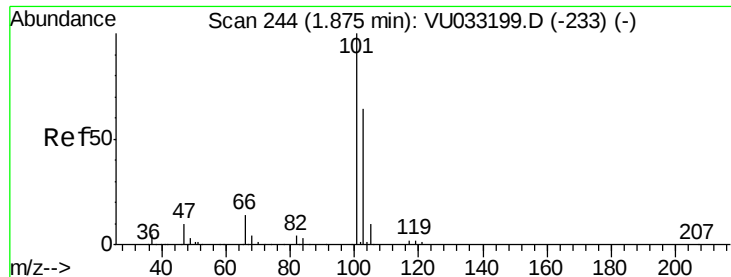
66 31.6 27.0 40.4



Abundance Ion 64.00 (63.70 to 64.70): VU033199.D (-176) (-)

Ion 66.00 (65.70 to 66.70): VU033207.D (-31) (-)





#7

Trichlorofluoromethane

Concen: 9.887 ug/l

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

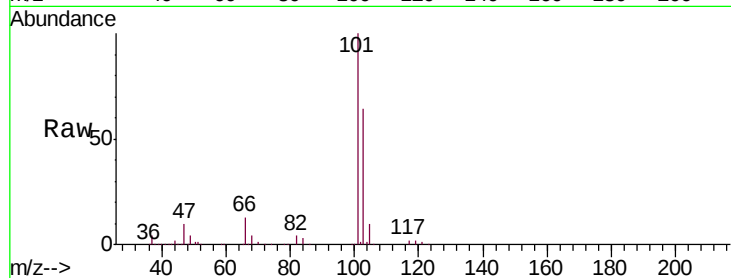
VSTDCCC010EC

Tgt Ion:101 Resp: 207321

Ion Ratio Lower Upper

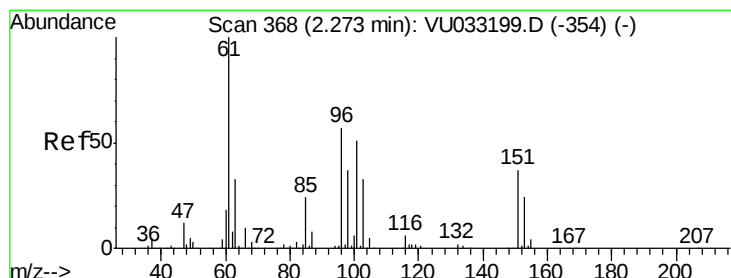
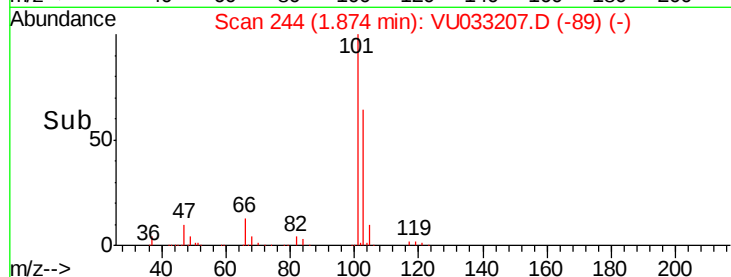
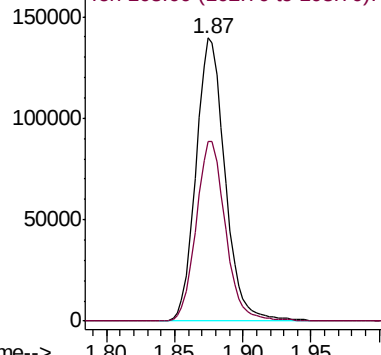
101 100

103 63.5 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.660 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

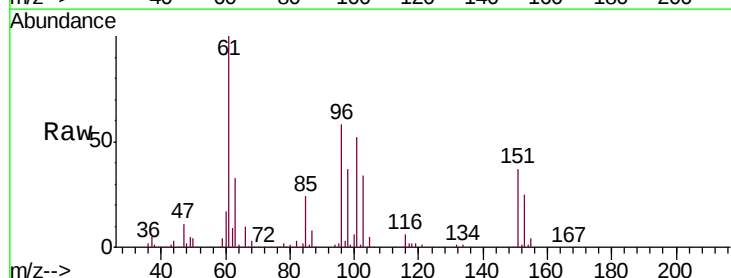
Tgt Ion:101 Resp: 103959

Ion Ratio Lower Upper

101 100

85 47.2 37.7 56.5

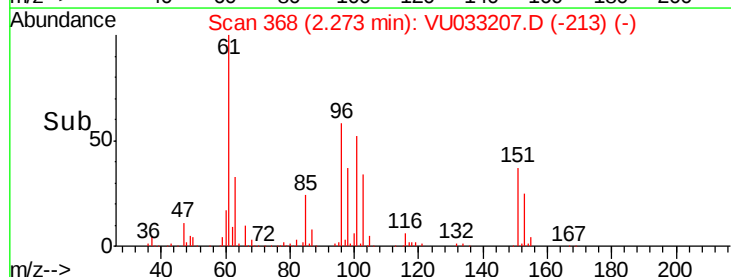
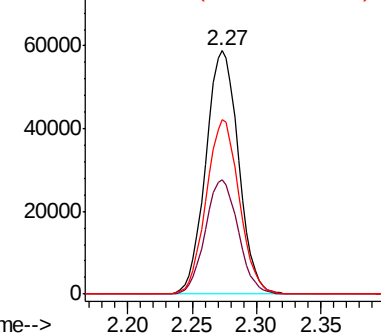
151 72.3 58.2 87.2

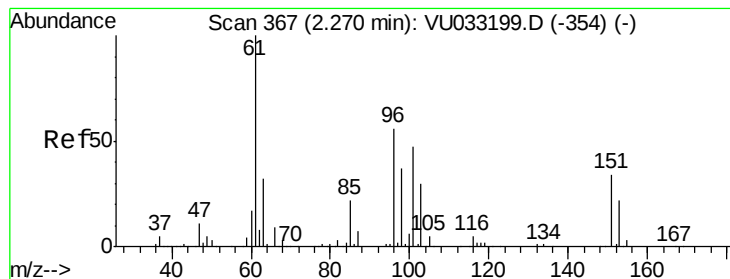


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.609 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

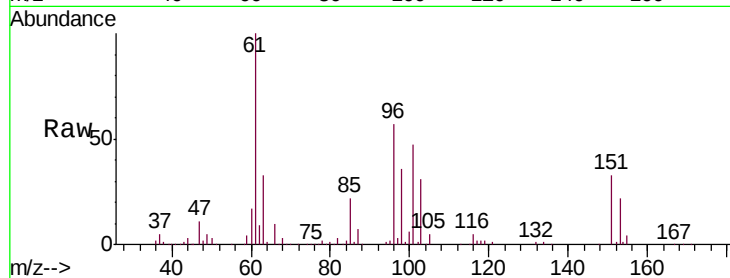
Tgt Ion: 96 Resp: 104413

Ion Ratio Lower Upper

96 100

61 175.2 0.0 533.7

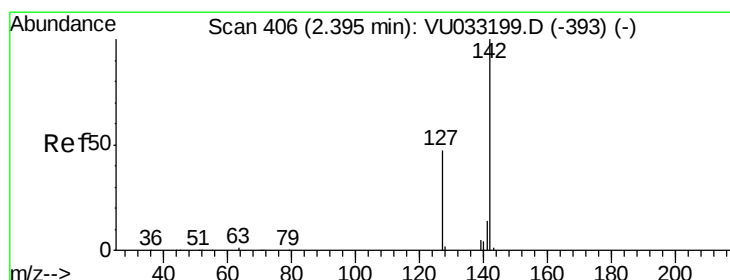
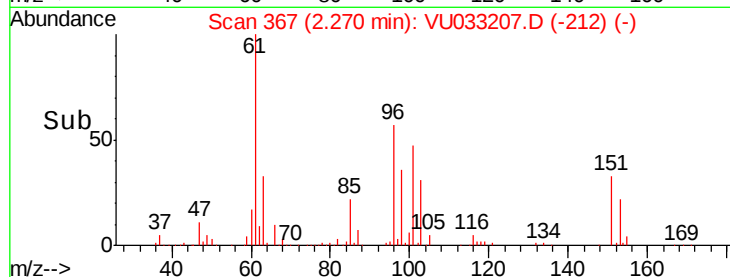
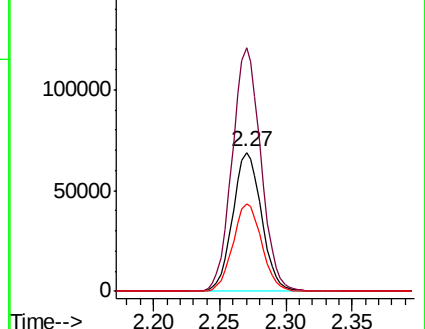
98 63.4 0.0 129.8



Abundance Ion 96.00 (95.70 to 96.70): VU033199.D (-354) (-)

Ion 61.00 (60.70 to 61.70): VU033199.D (-354) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-354) (-)



#10

Iodomethane

Concen: 11.050 ug/l

RT: 2.40 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU033207.D

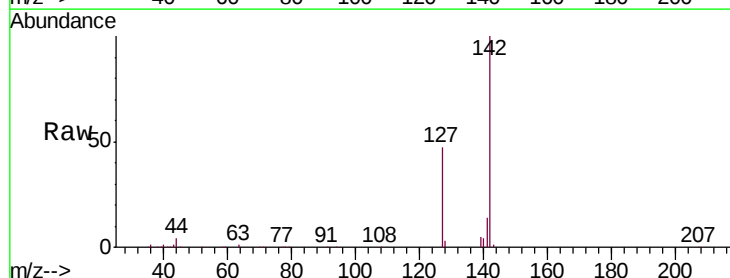
Acq: 12 Jul 2019 00:08

Tgt Ion: 142 Resp: 126732

Ion Ratio Lower Upper

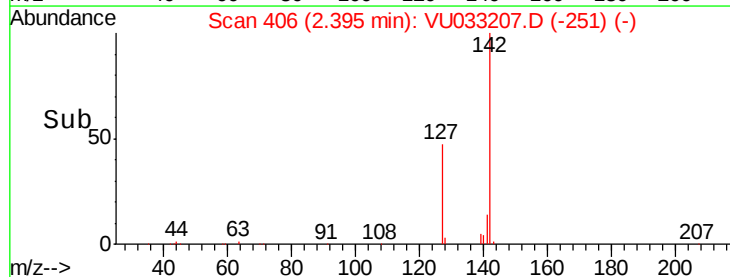
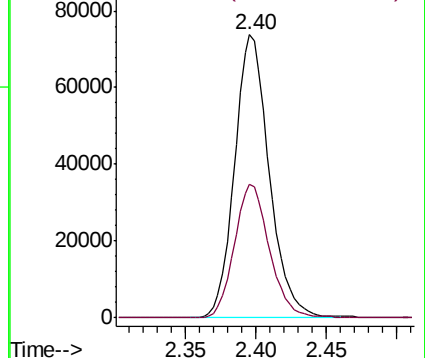
142 100

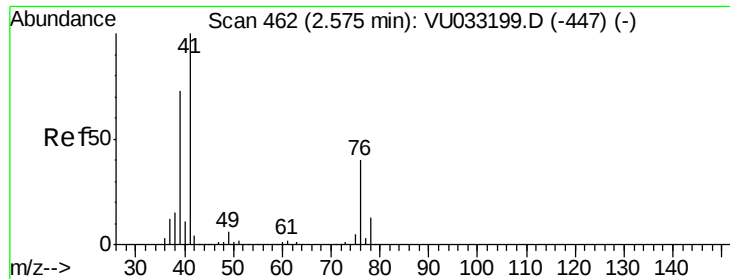
127 47.9 37.0 55.4



Abundance Ion 142.00 (141.70 to 142.70): VU033199.D (-393) (-)

Ion 127.00 (126.70 to 127.70): VU033199.D (-393) (-)

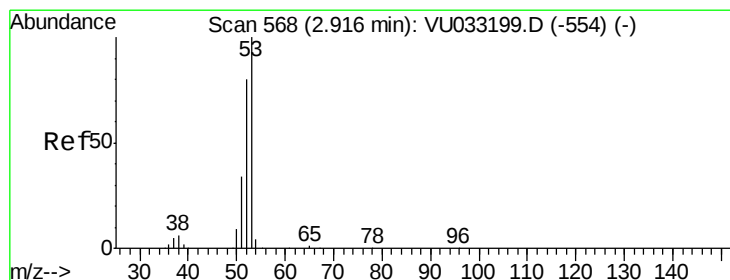
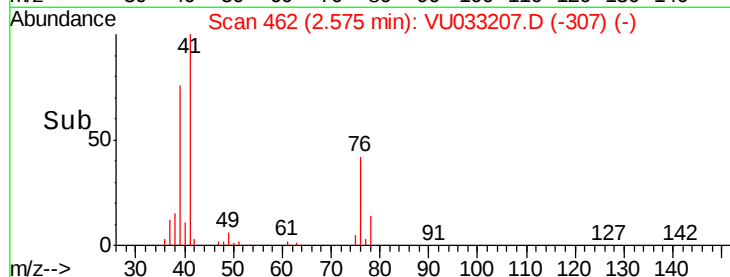
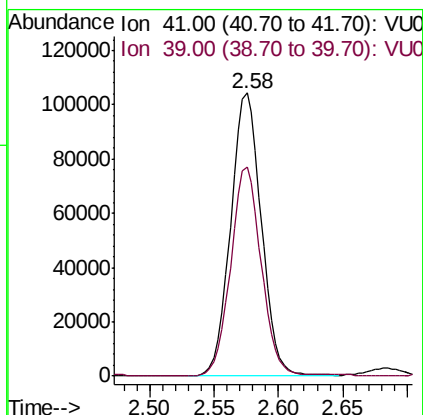
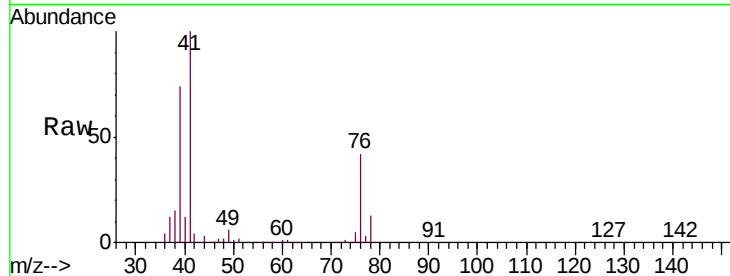




#11  
 Allyl Chloride  
 Concen: 9.439 ug/l  
 RT: 2.58 min Scan# 462  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

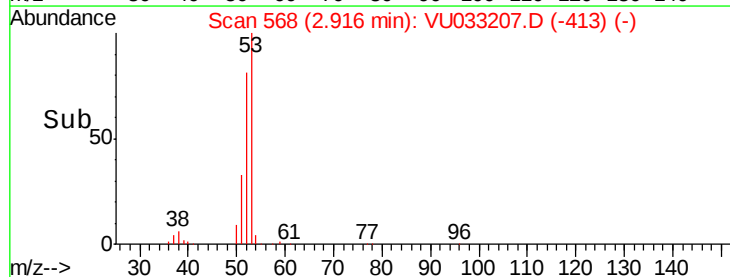
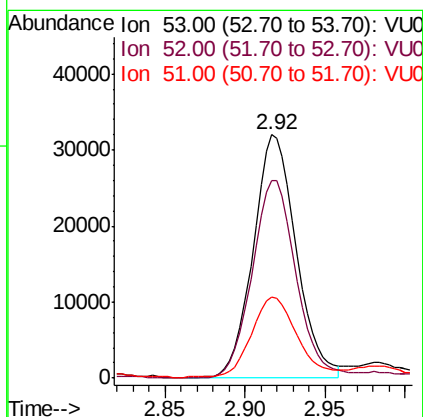
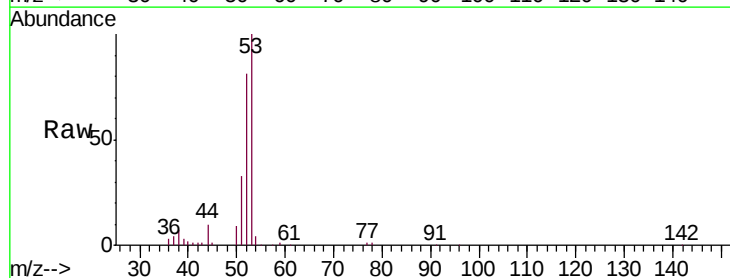
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

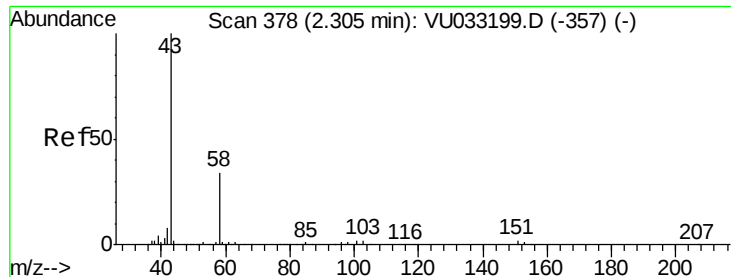
Tgt Ion: 41 Resp: 171369  
 Ion Ratio Lower Upper  
 41 100  
 39 73.3 58.7 88.1



#12  
 Acrylonitrile  
 Concen: 19.809 ug/l  
 RT: 2.92 min Scan# 568  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion: 53 Resp: 59617  
 Ion Ratio Lower Upper  
 53 100  
 52 83.5 68.3 102.5  
 51 35.8 28.7 43.1





#13

Acetone

Concen: 44.129 ug/l

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

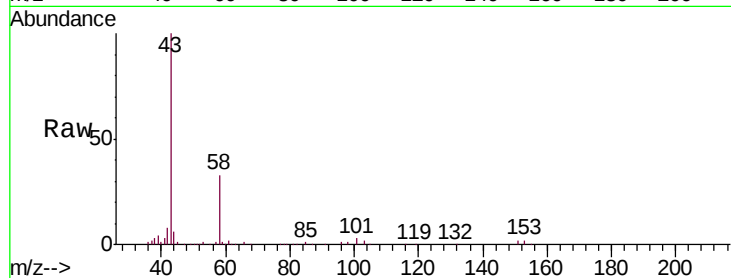
VSTDCCC010EC

Tgt Ion: 43 Resp: 119069

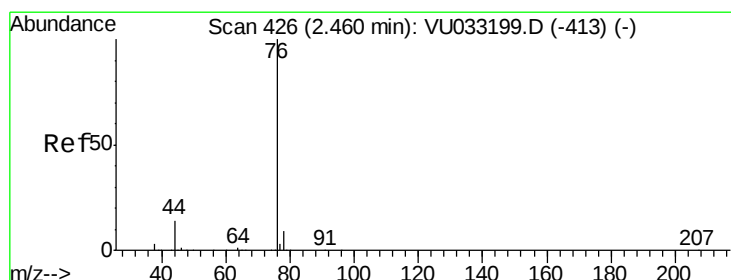
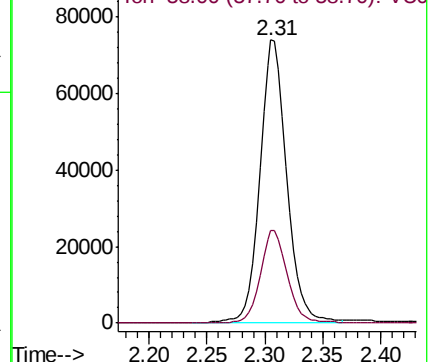
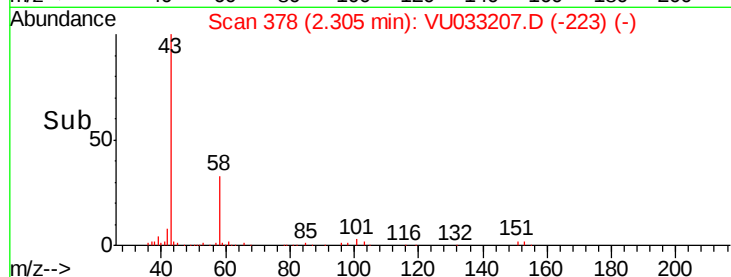
Ion Ratio Lower Upper

43 100

58 32.5 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VU033207.D (-223) (-)



#14

Carbon Disulfide

Concen: 9.781 ug/l

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VU033207.D

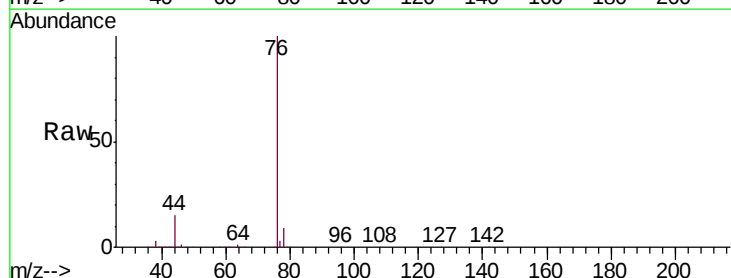
Acq: 12 Jul 2019 00:08

Tgt Ion: 76 Resp: 387990

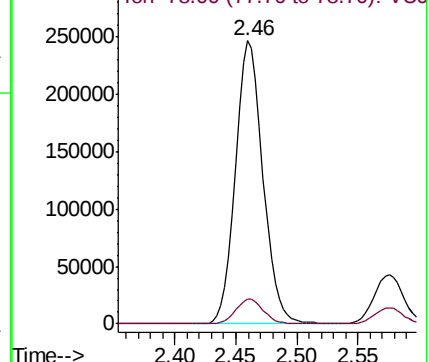
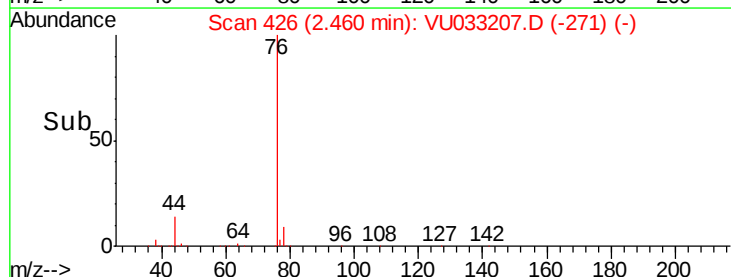
Ion Ratio Lower Upper

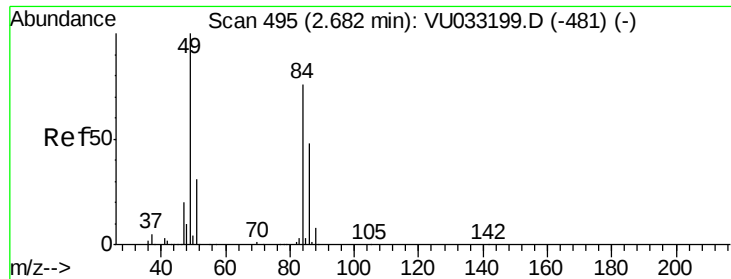
76 100

78 8.6 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VU033207.D (-271) (-)

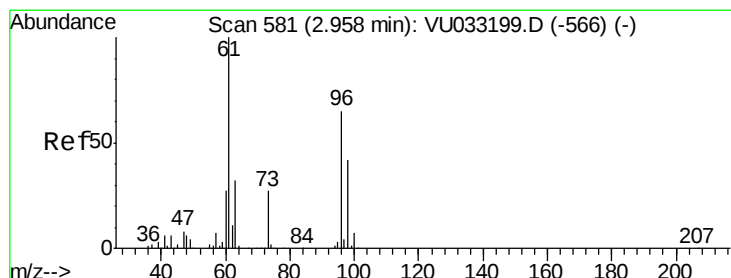
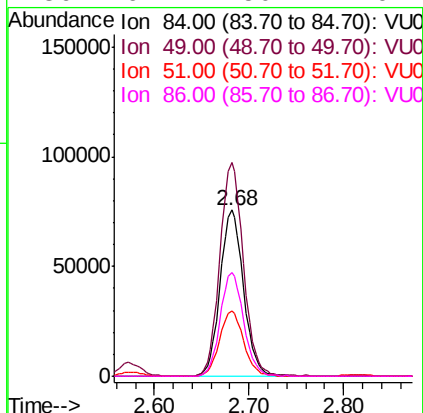
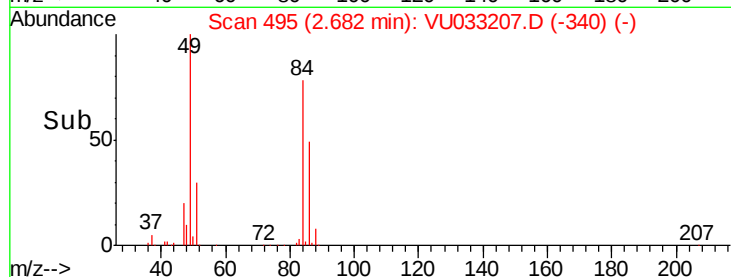
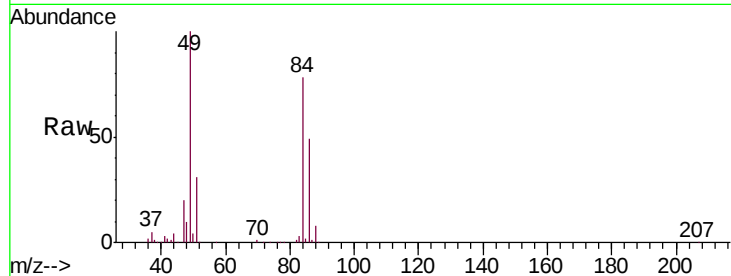




#15  
Methylene Chloride  
Concen: 8.971 ug/l  
RT: 2.68 min Scan# 495  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

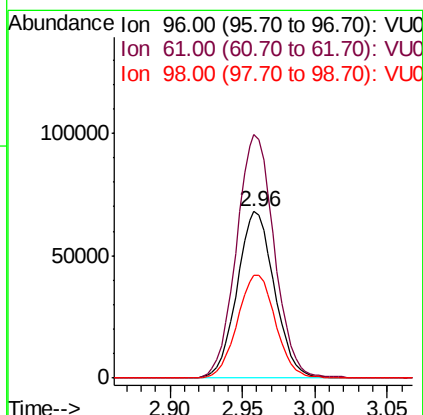
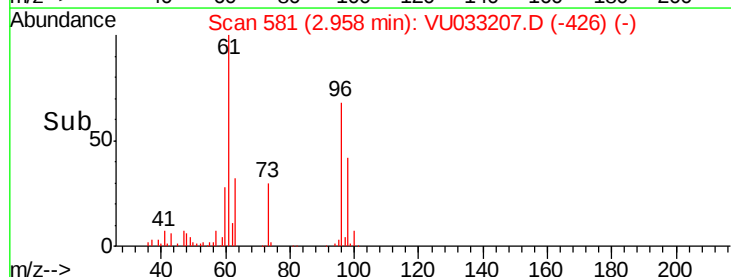
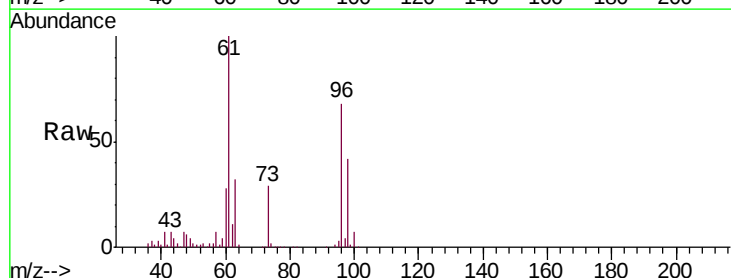
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

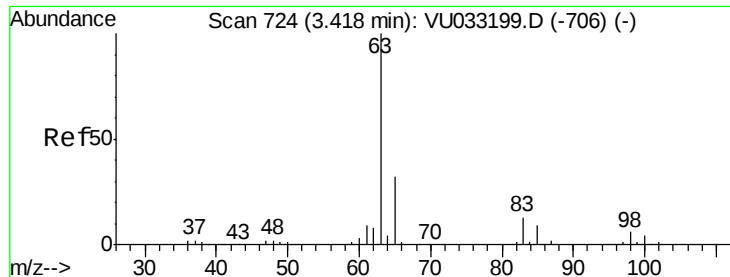
Tgt Ion: 84 Resp: 130304  
Ion Ratio Lower Upper  
84 100  
49 128.7 105.8 158.8  
51 39.3 0.0 82.0  
86 62.7 50.7 76.1



#16  
trans-1,2-Dichloroethene  
Concen: 9.774 ug/l  
RT: 2.96 min Scan# 581  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 96 Resp: 121636  
Ion Ratio Lower Upper  
96 100  
61 146.0 122.6 184.0  
98 61.9 52.0 78.0

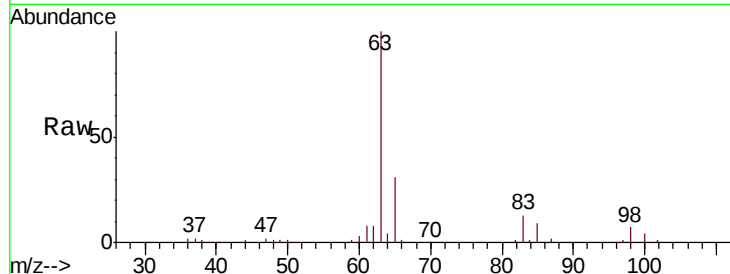




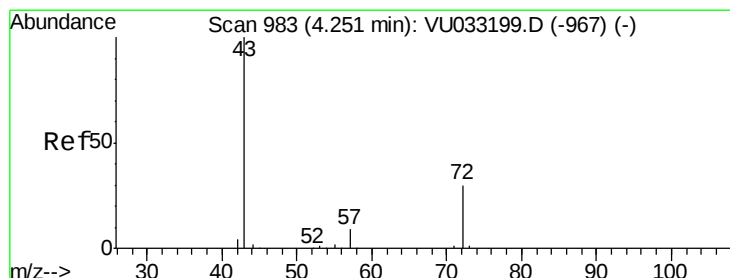
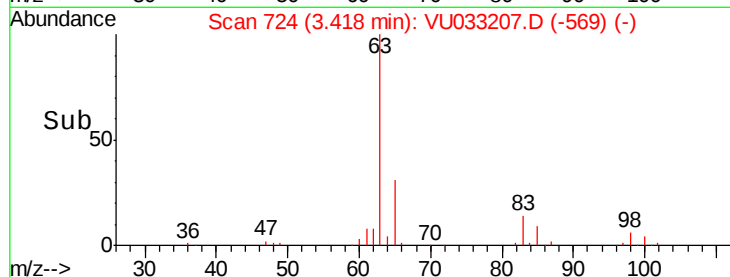
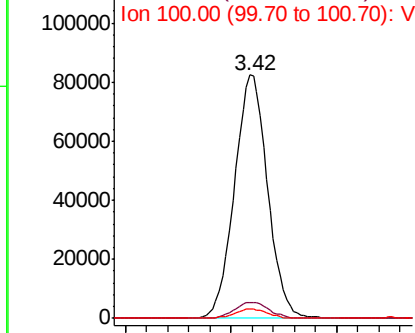
#17  
 1,1-Dichloroethane  
 Concen: 9.931 ug/l  
 RT: 3.42 min Scan# 724  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 63 Resp: 179433  
 Ion Ratio Lower Upper  
 63 100  
 98 6.5 3.3 9.8  
 100 3.7 1.8 5.4

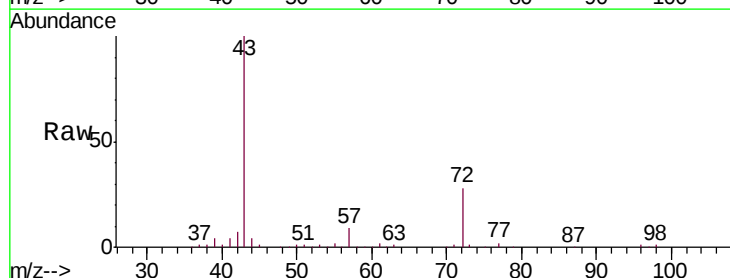


Abundance Ion 63.00 (62.70 to 63.70): VU0  
 Ion 98.00 (97.70 to 98.70): VU0  
 Ion 100.00 (99.70 to 100.70): VU0

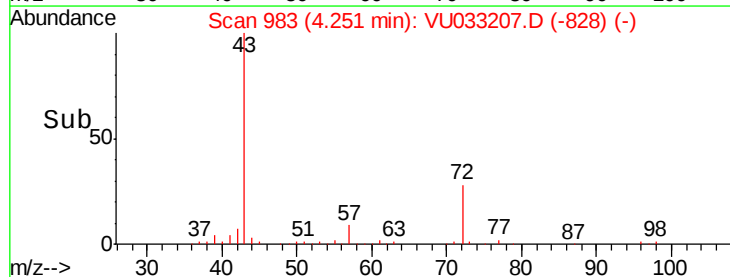
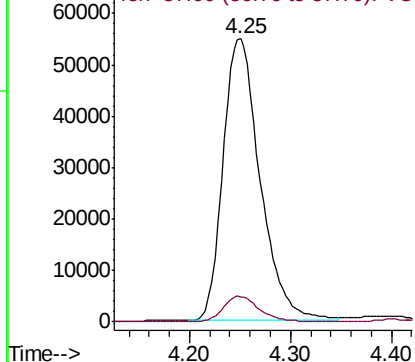


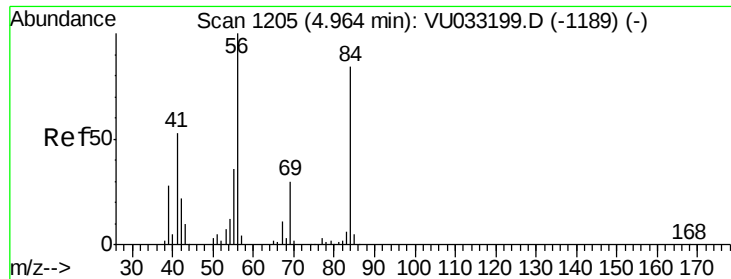
#18  
 2-Butanone  
 Concen: 51.641 ug/l  
 RT: 4.25 min Scan# 983  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion: 43 Resp: 139200  
 Ion Ratio Lower Upper  
 43 100  
 57 9.0 0.0 18.4



Abundance Ion 43.00 (42.70 to 43.70): VU0  
 Ion 57.00 (56.70 to 57.70): VU0

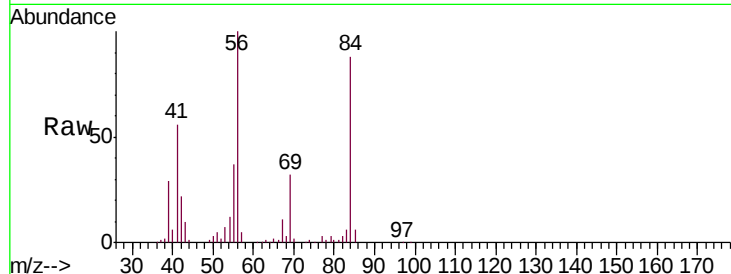




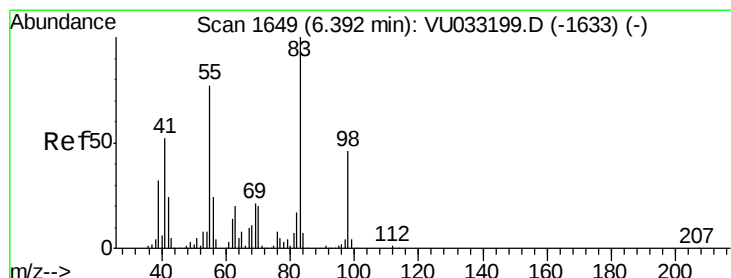
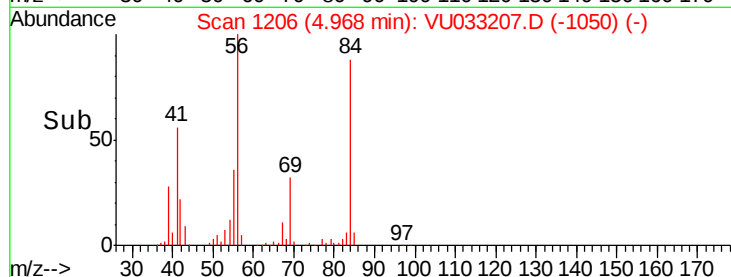
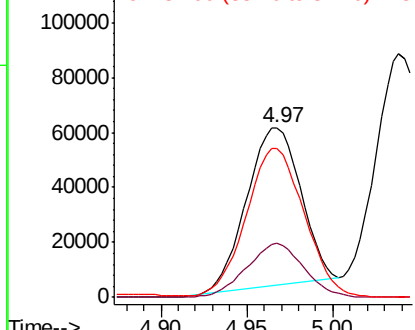
#19  
Cyclohexane  
Concen: 9.121 ug/l  
RT: 4.97 min Scan# 1206  
Delta R.T. 0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 56 Resp: 125964  
Ion Ratio Lower Upper  
56 100  
69 36.0 24.6 37.0  
84 100.2 67.5 101.3

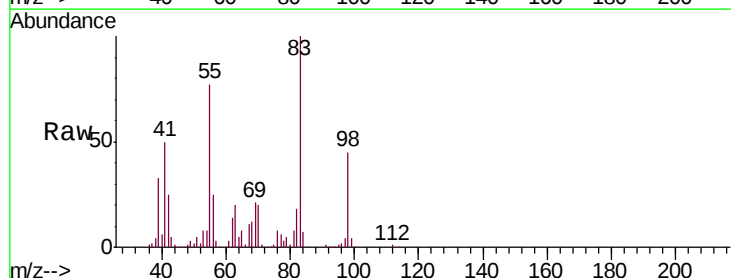


Abundance Ion 56.00 (55.70 to 56.70): VU0  
Ion 69.00 (68.70 to 69.70): VU0  
Ion 84.00 (83.70 to 84.70): VU0

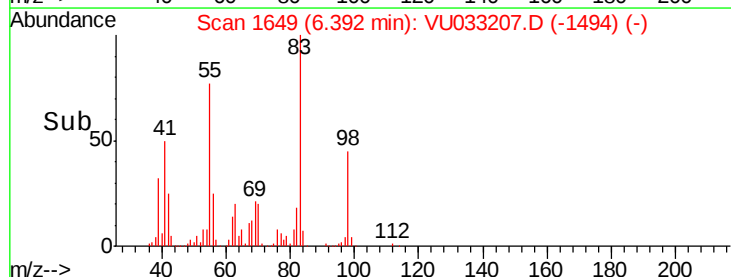
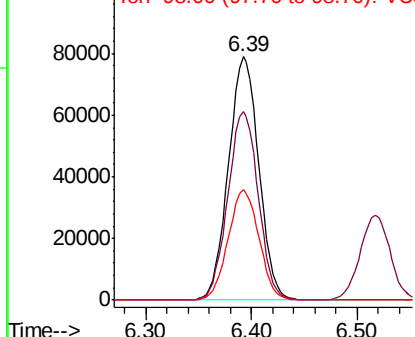


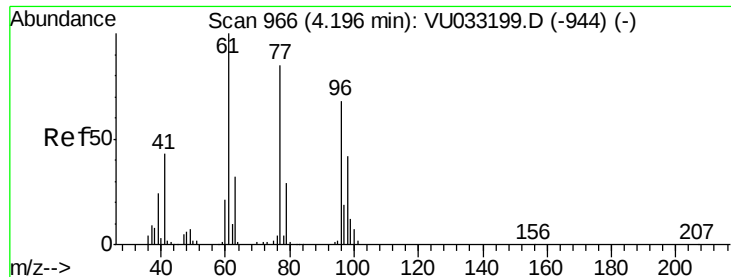
#20  
Methylcyclohexane  
Concen: 10.871 ug/l  
RT: 6.39 min Scan# 1649  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 83 Resp: 157391  
Ion Ratio Lower Upper  
83 100  
55 77.4 62.0 93.0  
98 45.9 36.3 54.5



Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0





#21

2,2-Dichloropropane

Concen: 8.175 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

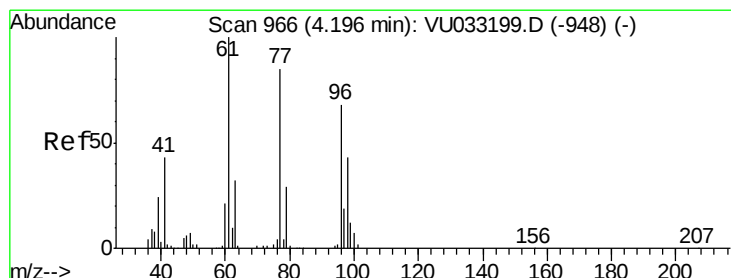
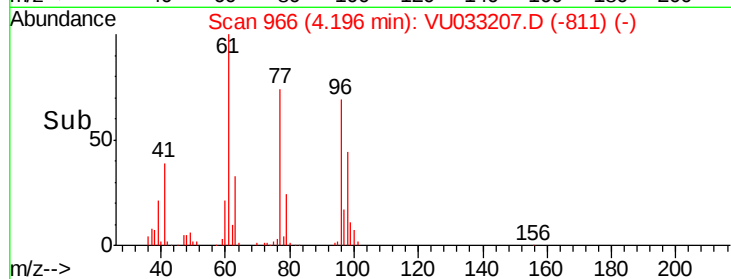
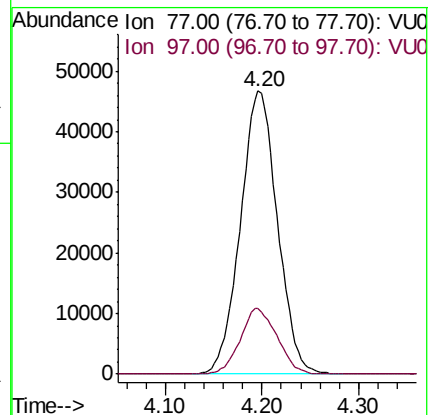
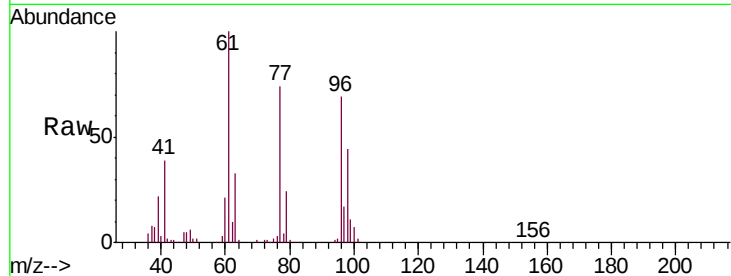
VSTDCCC010EC

Tgt Ion: 77 Resp: 124095

Ion Ratio Lower Upper

77 100

97 23.1 17.6 26.4



#22

cis-1,2-Dichloroethene

Concen: 10.030 ug/l

RT: 4.20 min Scan# 966

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

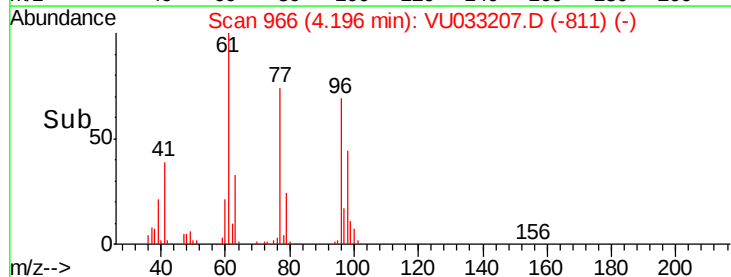
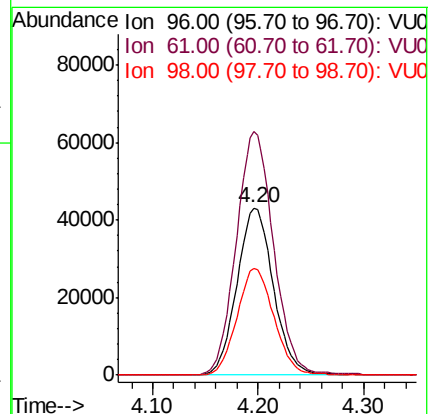
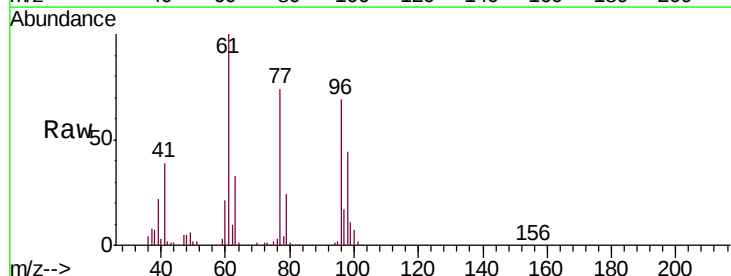
Tgt Ion: 96 Resp: 103668

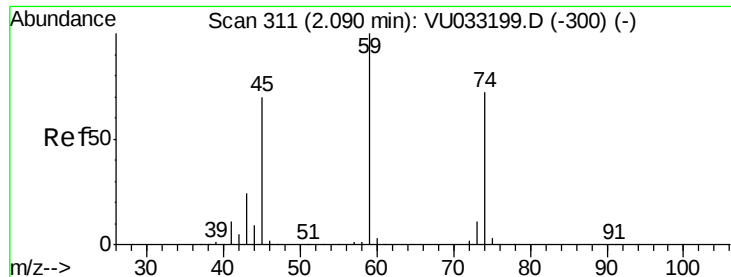
Ion Ratio Lower Upper

96 100

61 149.3 0.0 377.3

98 64.7 32.3 96.8

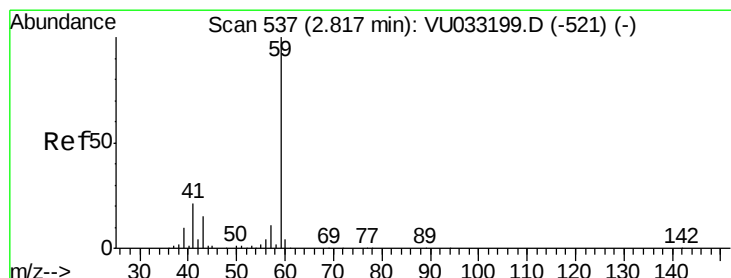
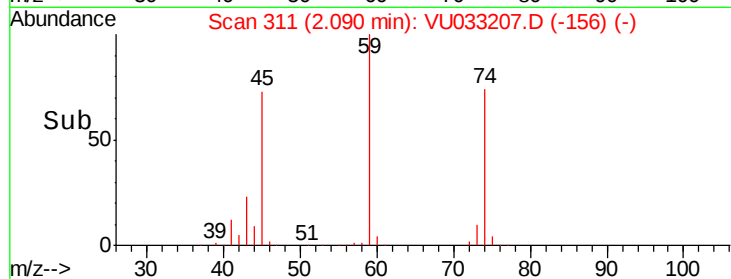
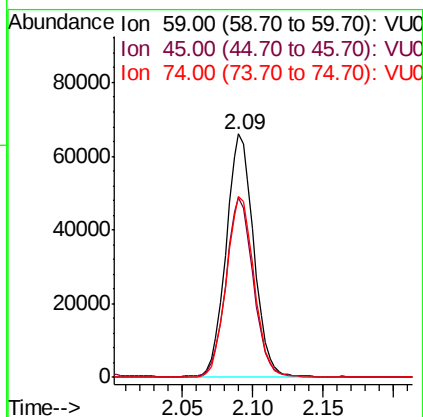
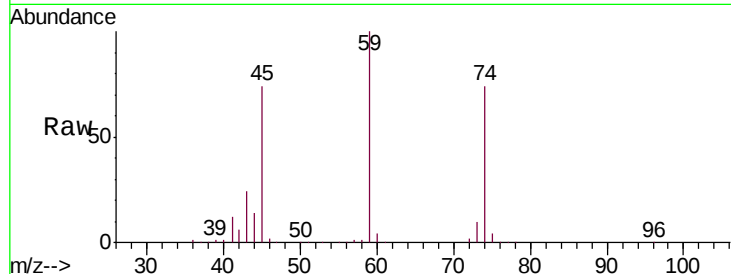




#23  
Diethyl Ether  
Concen: 9.563 ug/l  
RT: 2.09 min Scan# 311  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

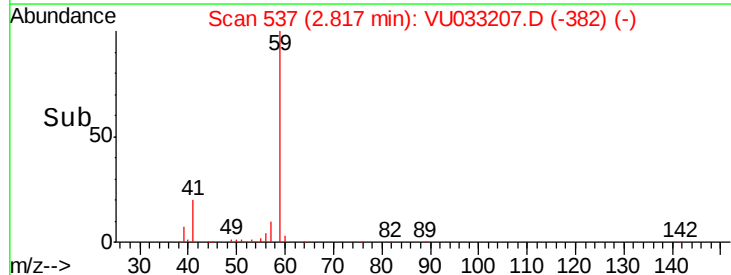
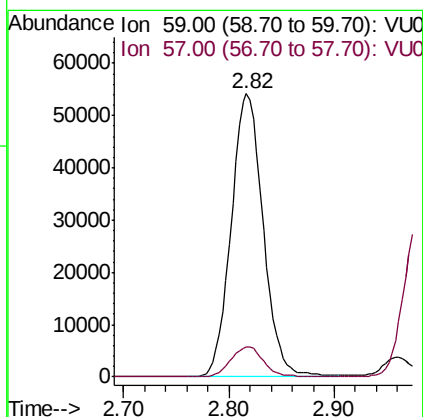
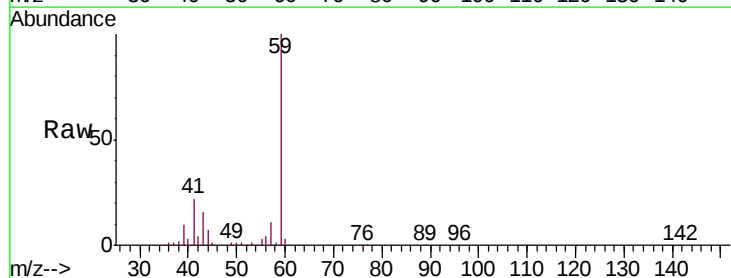
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

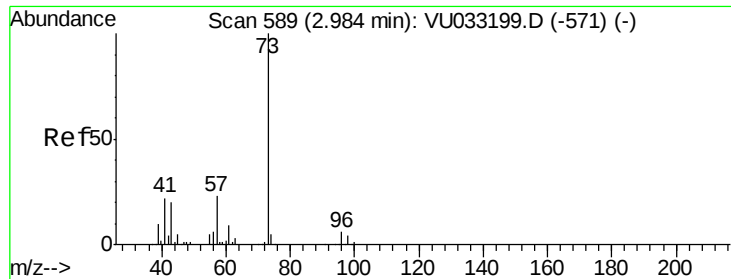
Tgt Ion: 59 Resp: 90588  
Ion Ratio Lower Upper  
59 100  
45 72.5 55.7 83.5  
74 74.3 58.1 87.1



#24  
tert-Butyl Alcohol  
Concen: 98.623 ug/l  
RT: 2.82 min Scan# 537  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 59 Resp: 113880  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.5 12.7





#25

Methyl tert-Butyl Ether

Concen: 9.911 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

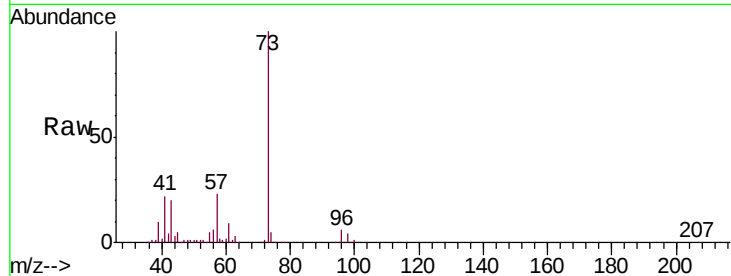
VSTDCCC010EC

Tgt Ion: 73 Resp: 313930

Ion Ratio Lower Upper

73 100

43 20.4 16.1 24.1



Abundance Ion 73.00 (72.70 to 73.70): VU033207.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033207.D (-571) (-)

2.98

150000

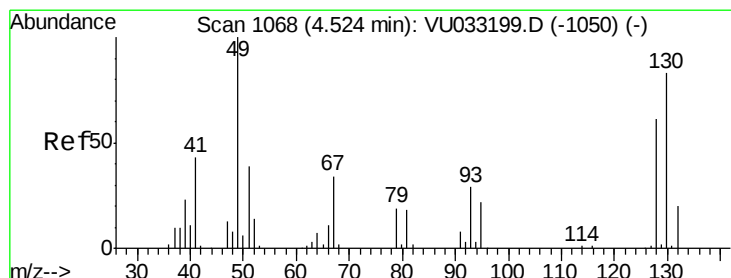
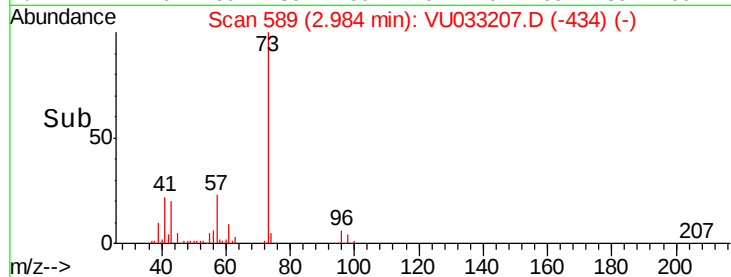
100000

50000

0

2.90 3.00 3.10

Time-->



#26

Bromochloromethane

Concen: 9.931 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

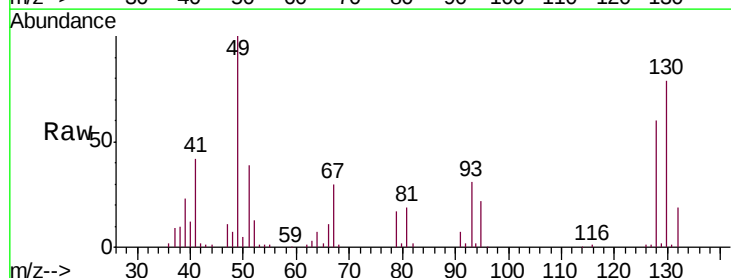
Tgt Ion: 128 Resp: 45471

Ion Ratio Lower Upper

128 100

49 165.2 0.0 328.6

130 128.9 104.1 156.1



Abundance Ion 128.00 (127.70 to 128.70): VU033207.D (-913) (-)

Ion 49.00 (48.70 to 49.70): VU033207.D (-913) (-)

Ion 130.00 (129.70 to 130.70): VU033207.D (-913) (-)

4.52

40000

30000

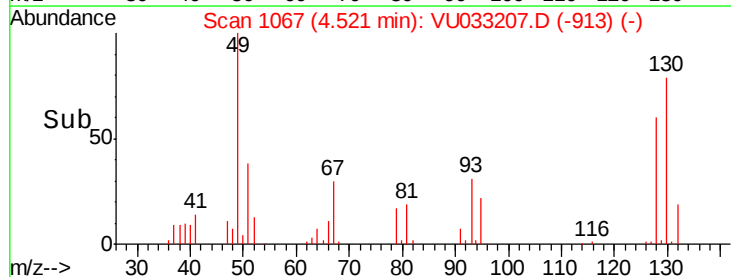
20000

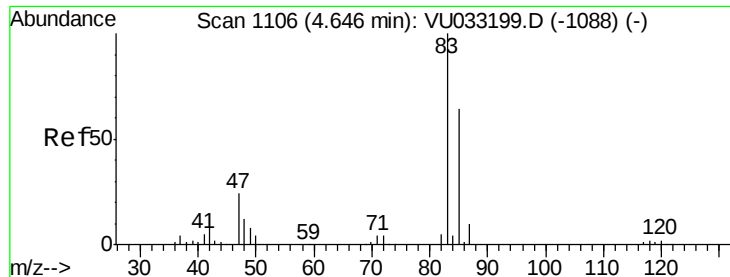
10000

0

4.50 4.60

Time-->

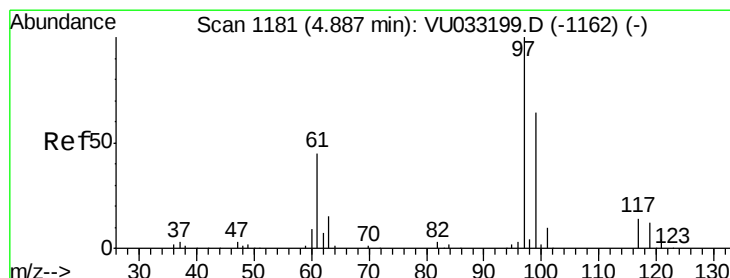
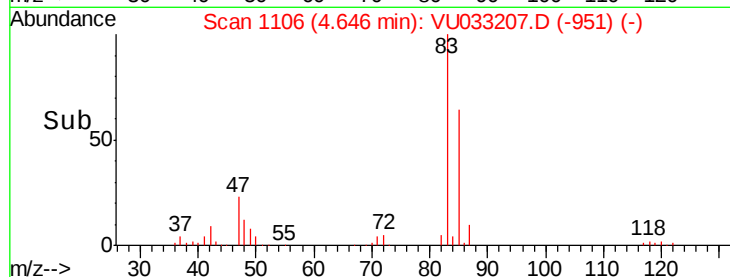
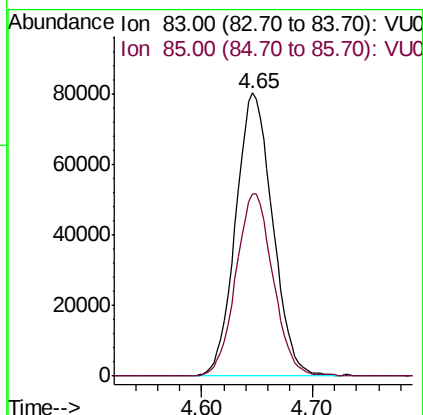
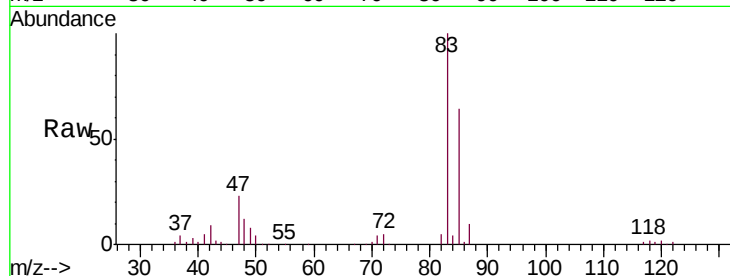




#27  
Chloroform  
Concen: 9.351 ug/l  
RT: 4.65 min Scan# 1106  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

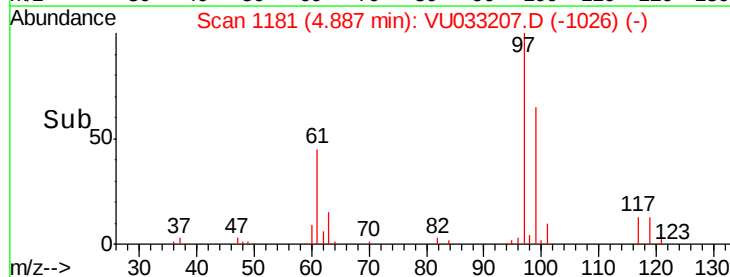
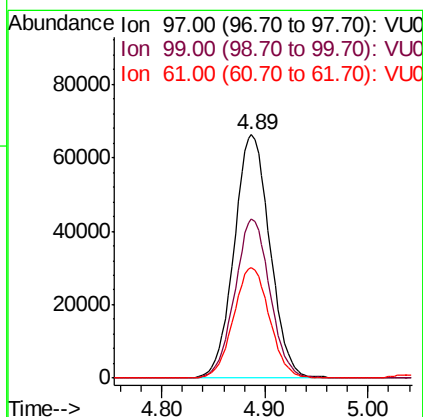
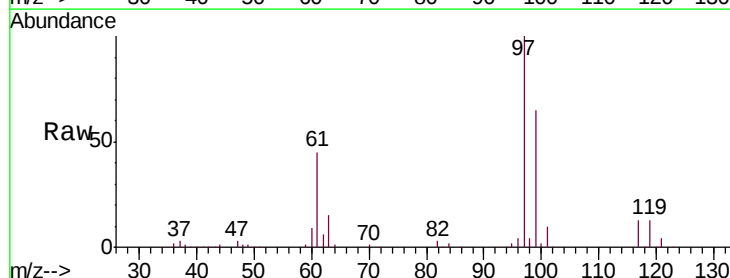
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

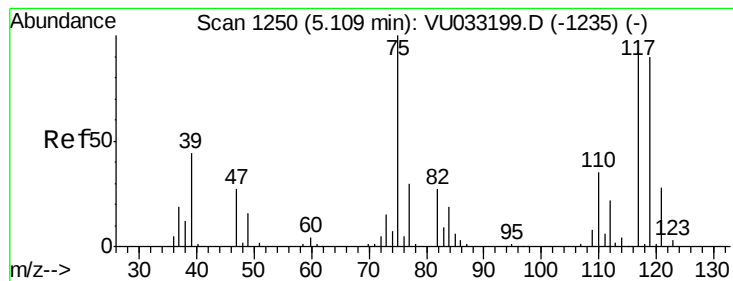
Tgt Ion: 83 Resp: 186552  
Ion Ratio Lower Upper  
83 100  
85 64.4 0.0 128.4



#28  
1,1,1-Trichloroethane  
Concen: 10.109 ug/l  
RT: 4.89 min Scan# 1181  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 97 Resp: 159660  
Ion Ratio Lower Upper  
97 100  
99 64.4 31.9 95.5  
61 45.7 22.6 67.7





#29

1,1-Dichloropropene

Concen: 10.462 ug/l

RT: 5.11 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

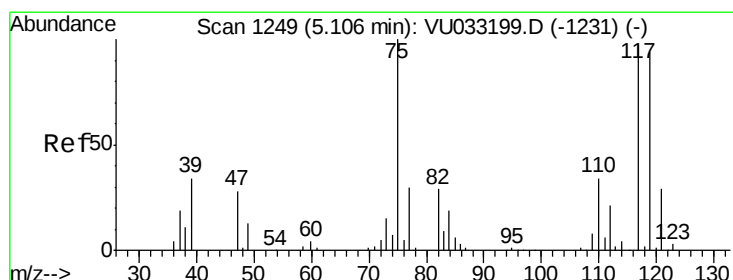
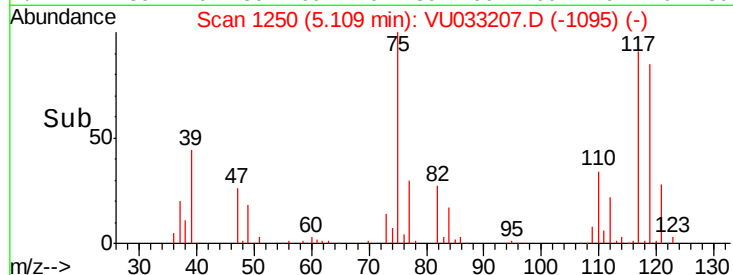
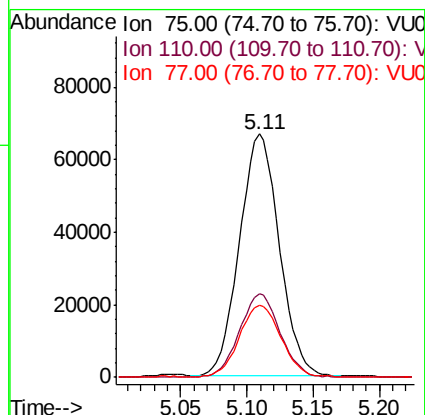
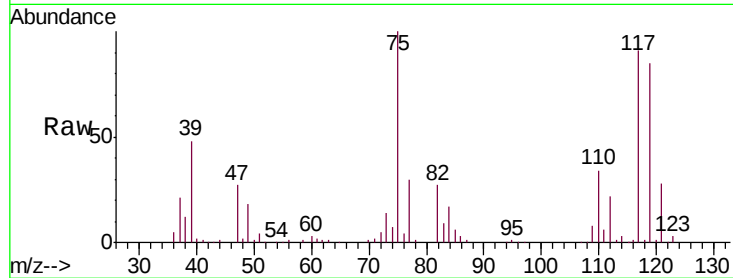
Tgt Ion: 75 Resp: 139355

Ion Ratio Lower Upper

75 100

110 35.2 17.5 52.6

77 30.6 24.6 37.0



#30

Carbon Tetrachloride

Concen: 10.048 ug/l

RT: 5.11 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

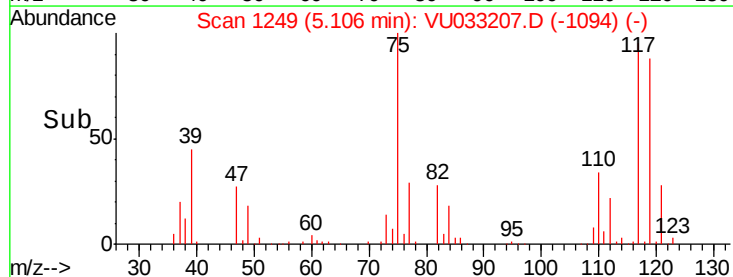
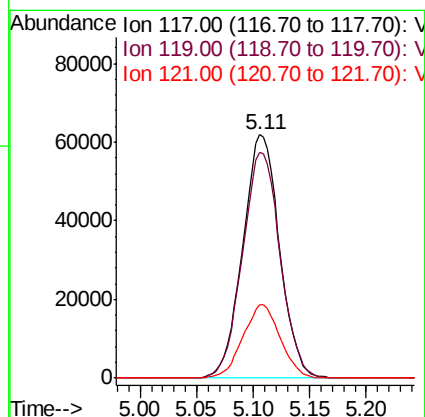
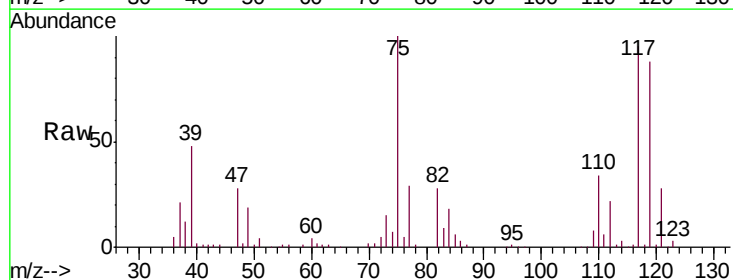
Tgt Ion: 117 Resp: 140134

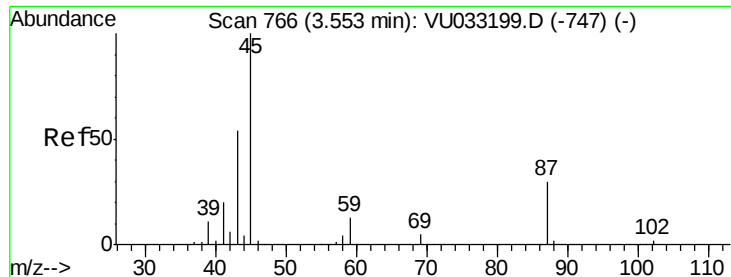
Ion Ratio Lower Upper

117 100

119 92.9 77.4 116.0

121 29.9 24.2 36.2





#31

Isopropyl Ether

Concen: 10.255 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

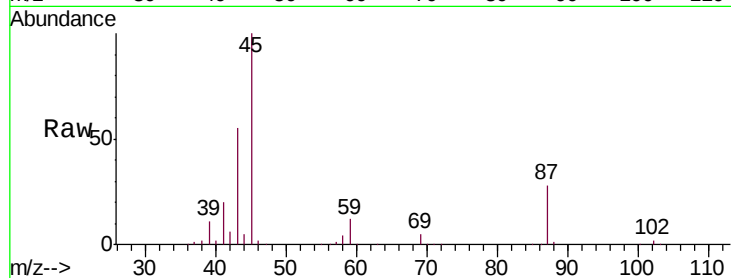
VSTDCCC010EC

Tgt Ion: 45 Resp: 248730

Ion Ratio Lower Upper

45 100

43 55.1 27.3 81.8



Abundance Ion 45.00 (44.70 to 45.70): VU033199.D (-747) (-)

Ion 43.00 (42.70 to 43.70): VU033199.D (-747) (-)

120000

100000

80000

60000

40000

20000

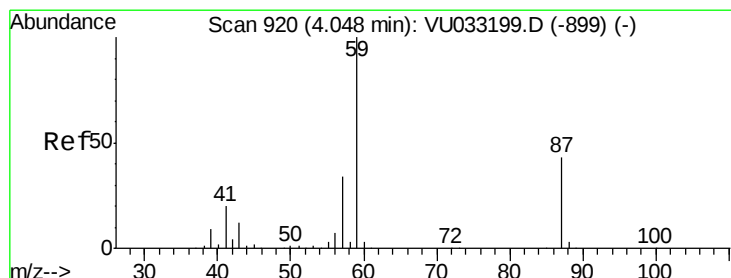
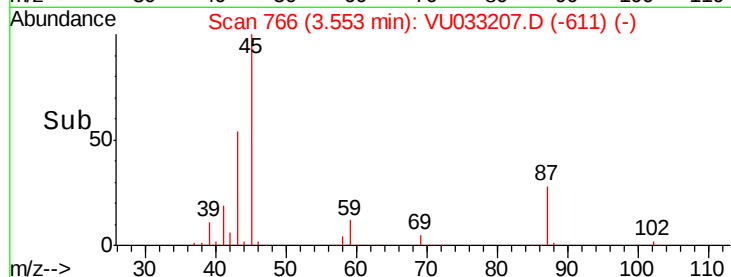
0

3.55

3.50

3.60

Time-->



#32

Ethyl-t-butyl ether

Concen: 10.635 ug/l

RT: 4.05 min Scan# 920

Delta R.T. -0.00 min

Lab File: VU033207.D

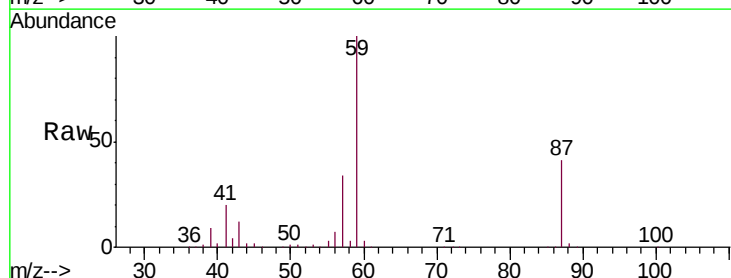
Acq: 12 Jul 2019 00:08

Tgt Ion: 59 Resp: 251578

Ion Ratio Lower Upper

59 100

87 41.5 34.5 51.7



Abundance Ion 59.00 (58.70 to 59.70): VU033199.D (-899) (-)

Ion 87.00 (86.70 to 87.70): VU033199.D (-899) (-)

100000

80000

60000

40000

20000

0

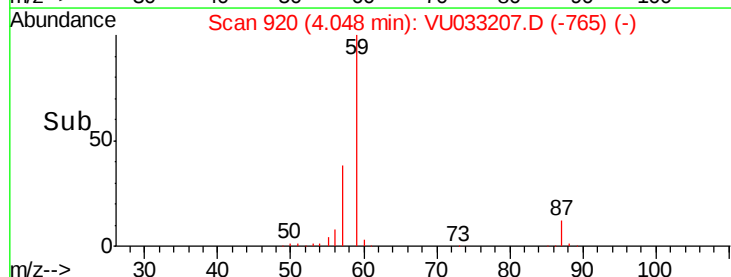
4.05

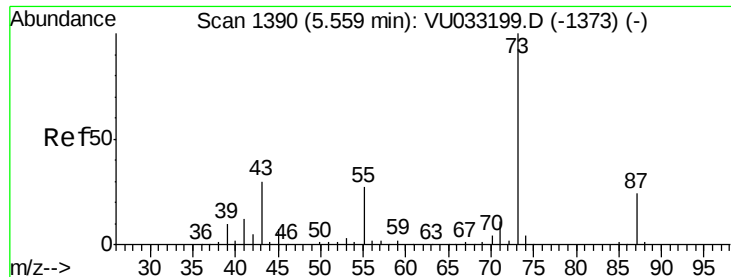
3.90

4.10

4.20

Time-->

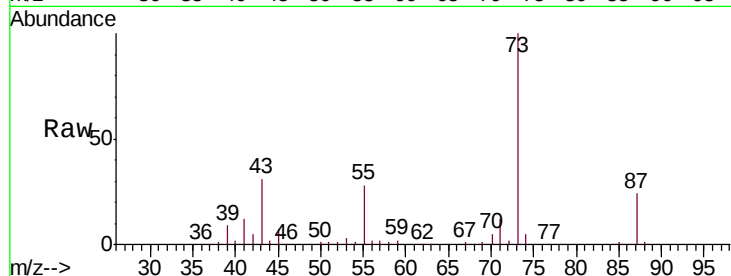




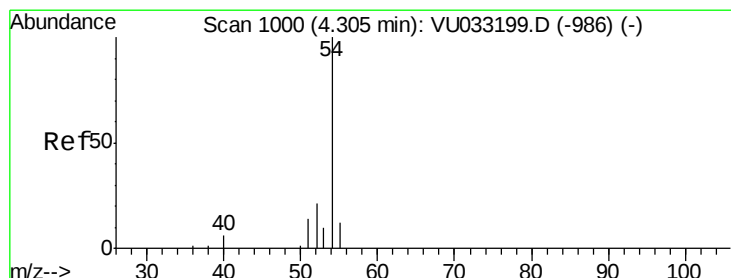
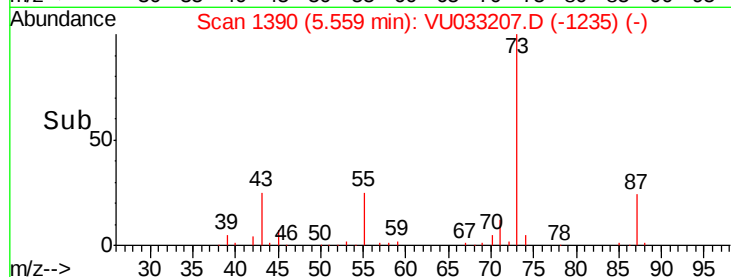
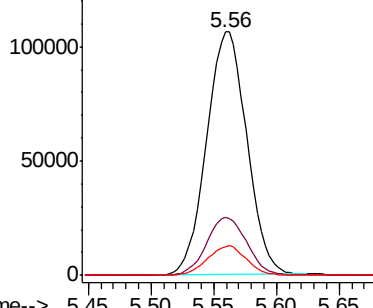
#33  
Tert-Amyl methyl ether  
Concen: 10.839 ug/l  
RT: 5.56 min Scan# 1390  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 73 Resp: 236243  
Ion Ratio Lower Upper  
73 100  
87 24.0 19.8 29.6  
71 11.8 9.1 13.7

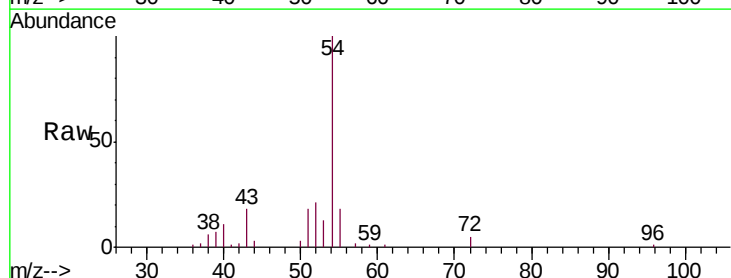


Abundance Ion 73.00 (72.70 to 73.70): VU0  
Ion 87.00 (86.70 to 87.70): VU0  
Ion 71.00 (70.70 to 71.70): VU0

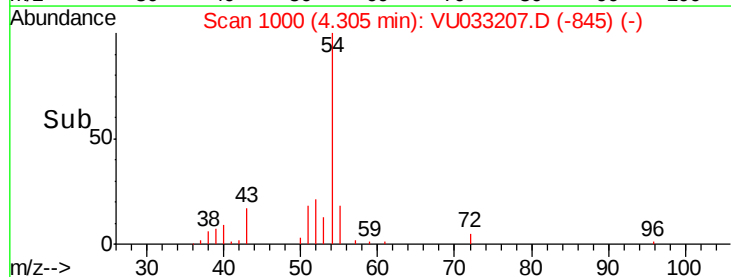
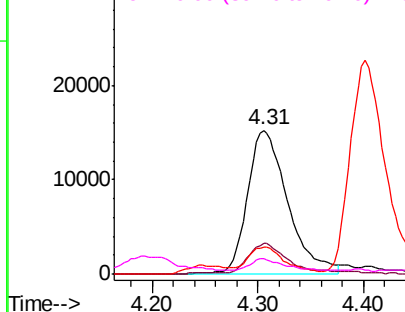


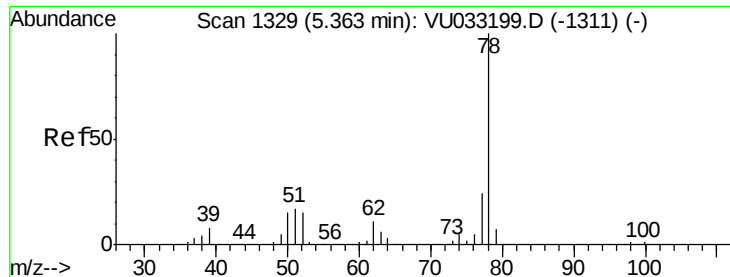
#34  
Propionitrile  
Concen: 53.189 ug/l  
RT: 4.31 min Scan# 1000  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 54 Resp: 40622  
Ion Ratio Lower Upper  
54 100  
52 18.5 16.7 25.1  
55 14.3 12.9 19.3  
40 7.2 4.8 7.2#



Abundance Ion 54.00 (53.70 to 54.70): VU0  
Ion 52.00 (51.70 to 52.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 40.00 (39.70 to 40.70): VU0





#35

Benzene

Concen: 10.209 ug/l

RT: 5.36 min Scan# 1329

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

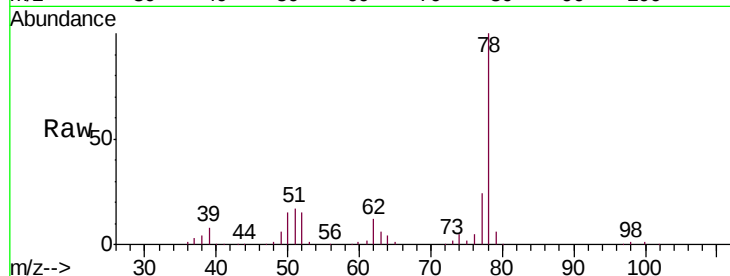
VSTDCCC010EC

Tgt Ion: 78 Resp: 396444

Ion Ratio Lower Upper

78 100

77 24.4 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VU033199.D (-1311) (-)

Ion 77.00 (76.70 to 77.70): VU033199.D (-1311) (-)

5.36

200000

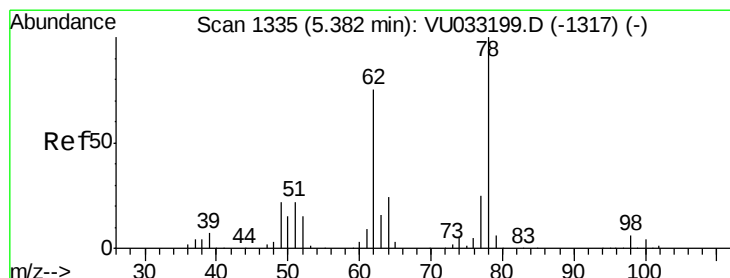
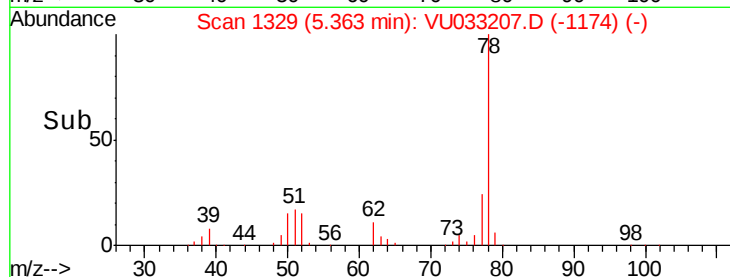
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.237 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU033207.D

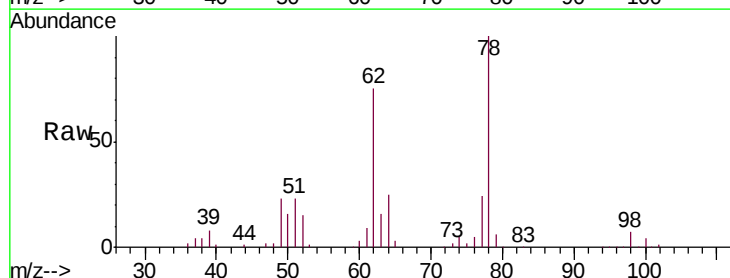
Acq: 12 Jul 2019 00:08

Tgt Ion: 62 Resp: 128686

Ion Ratio Lower Upper

62 100

98 8.5 6.7 10.1



Abundance Ion 62.00 (61.70 to 62.70): VU033199.D (-1317) (-)

Ion 98.00 (97.70 to 98.70): VU033199.D (-1317) (-)

5.38

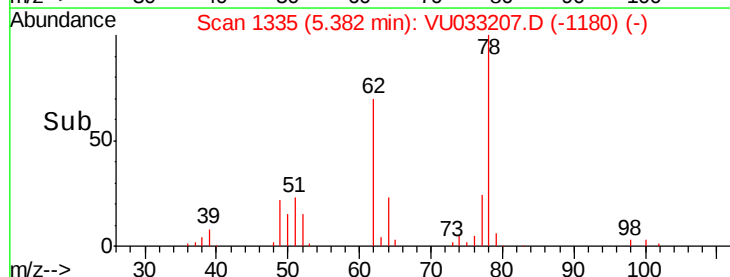
60000

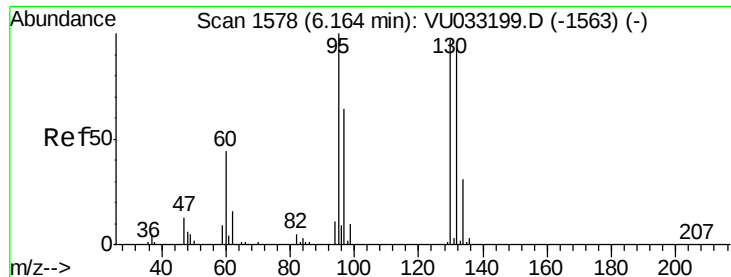
40000

20000

0

Time-->

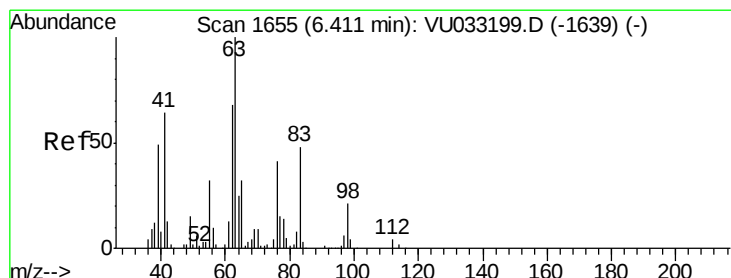
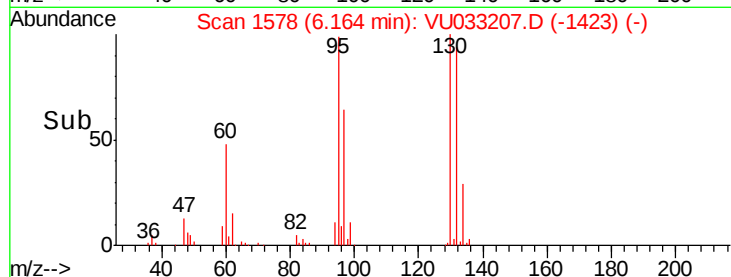
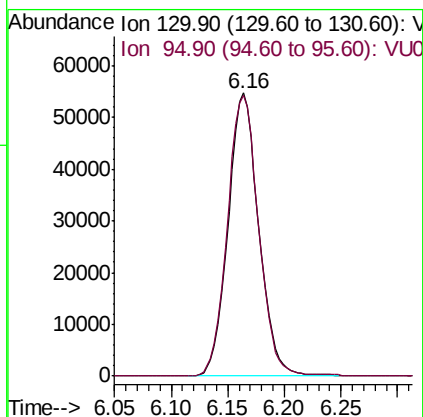
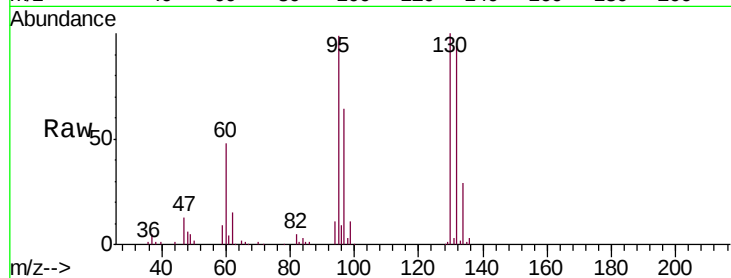




#37  
 Trichloroethene  
 Concen: 10.164 ug/l  
 RT: 6.16 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

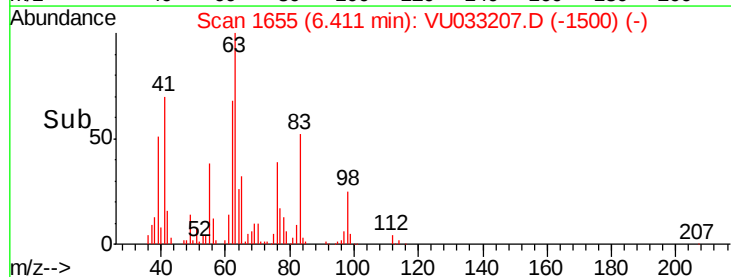
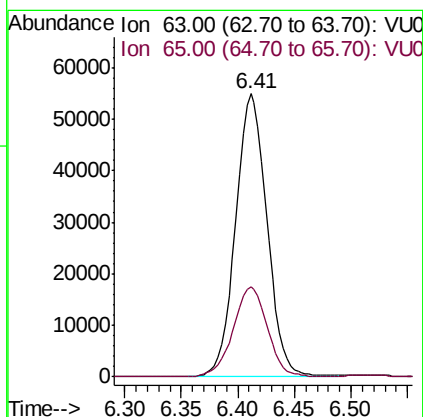
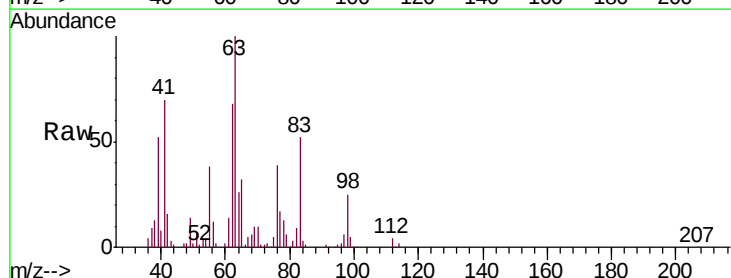
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

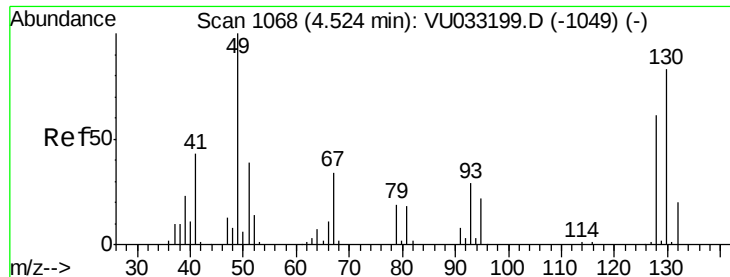
Tgt Ion:130 Resp: 103173  
 Ion Ratio Lower Upper  
 130 100  
 95 99.0 82.4 123.6



#38  
 1,2-Dichloropropane  
 Concen: 10.126 ug/l  
 RT: 6.41 min Scan# 1655  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion: 63 Resp: 106370  
 Ion Ratio Lower Upper  
 63 100  
 65 31.6 25.3 37.9

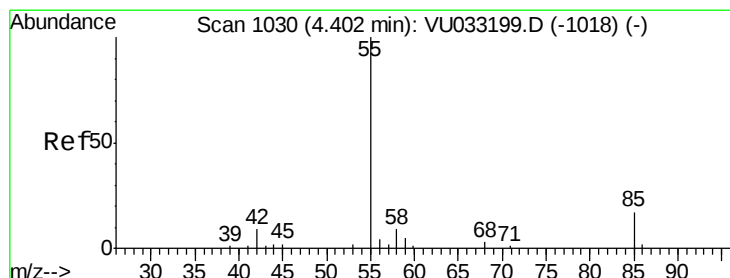
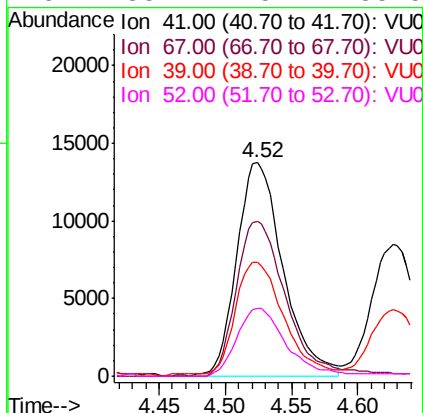
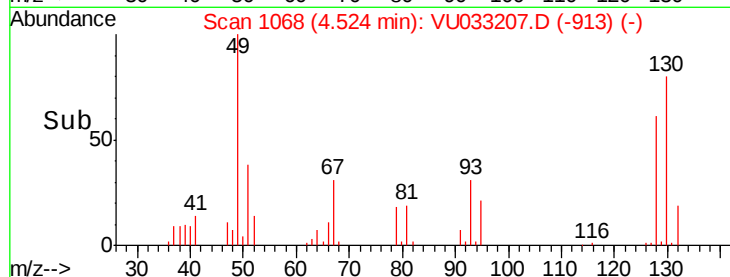
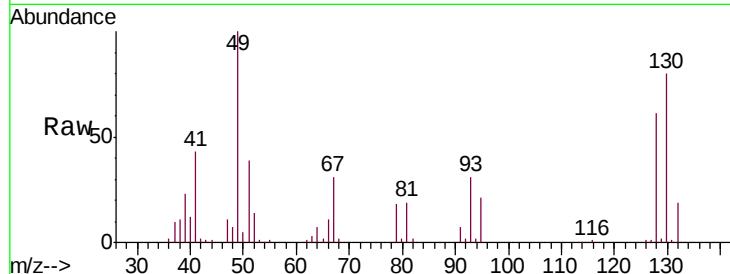




#39  
Methacrylonitrile  
Concen: 10.566 ug/l  
RT: 4.52 min Scan# 1068  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

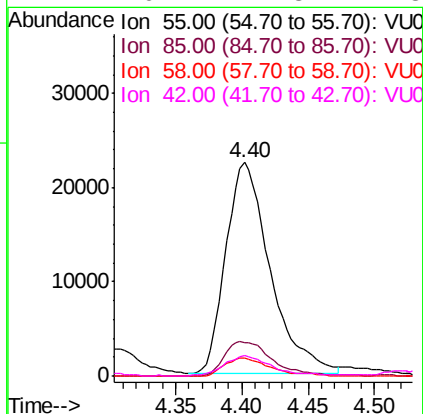
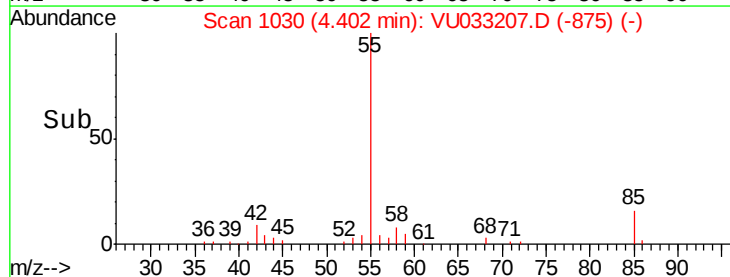
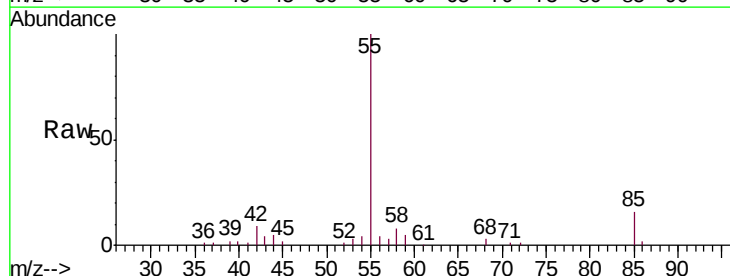
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

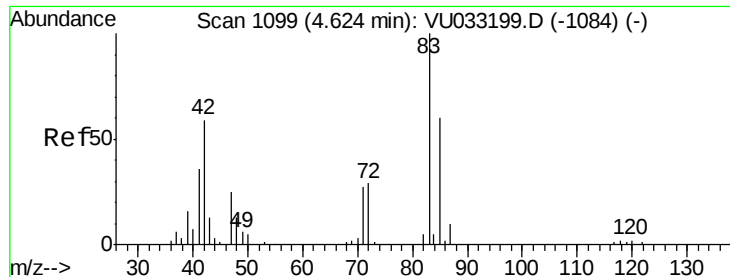
Tgt Ion: 41 Resp: 33458  
Ion Ratio Lower Upper  
41 100  
67 76.2 61.0 91.4  
39 52.8 44.4 66.6  
52 33.7 25.7 38.5



#40  
Methyl acrylate  
Concen: 11.153 ug/l  
RT: 4.40 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 55 Resp: 52295  
Ion Ratio Lower Upper  
55 100  
85 17.5 13.0 19.6  
58 8.8 7.0 10.4  
42 10.1 7.8 11.8





#41

Tetrahydrofuran

Concen: 20.191 ug/l

RT: 4.62 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

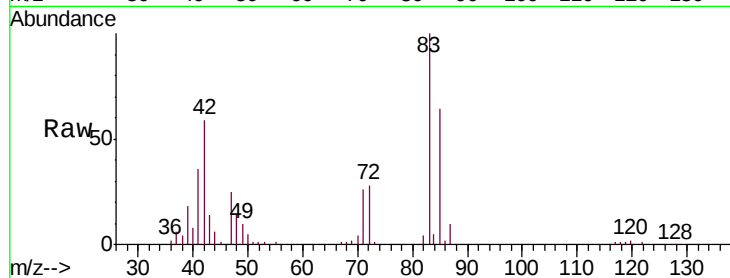
Tgt Ion: 42 Resp: 33539

Ion Ratio Lower Upper

42 100

72 50.6 40.7 61.1

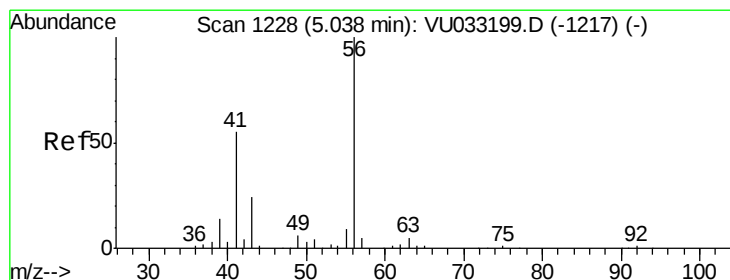
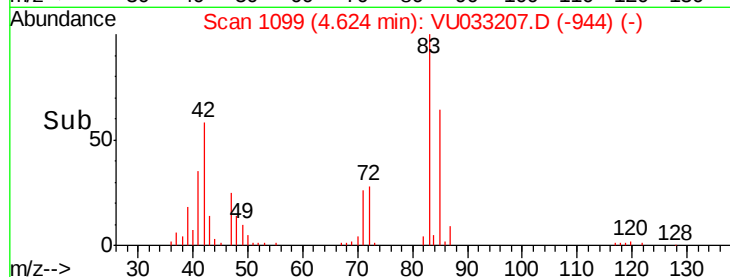
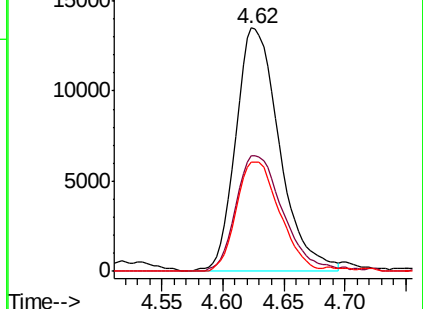
71 44.4 35.4 53.0



Abundance Ion 42.00 (41.70 to 42.70): VU033199.D (-1084) (-)

Ion 72.00 (71.70 to 72.70): VU033199.D (-1084) (-)

Ion 71.00 (70.70 to 71.70): VU033199.D (-1084) (-)



#42

1-Chlorobutane

Concen: 10.451 ug/l

RT: 5.04 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VU033207.D

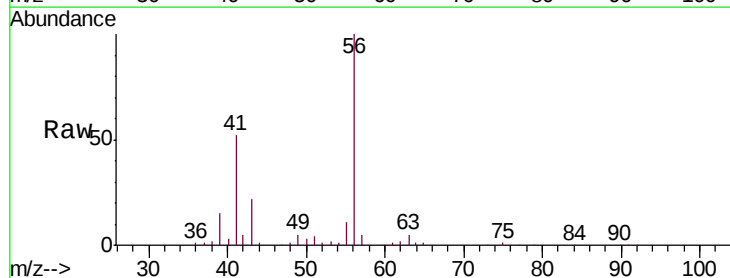
Acq: 12 Jul 2019 00:08

Tgt Ion: 56 Resp: 189054

Ion Ratio Lower Upper

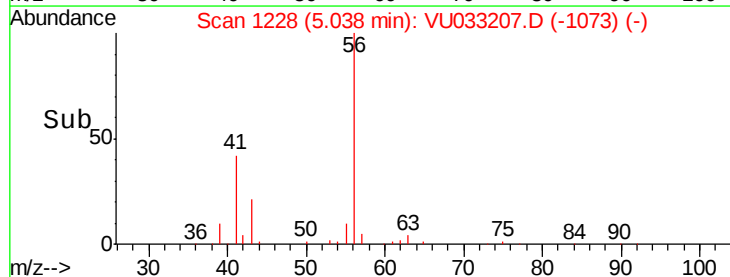
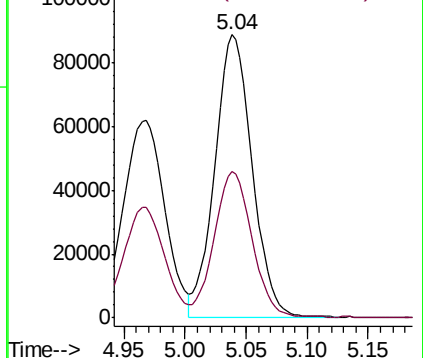
56 100

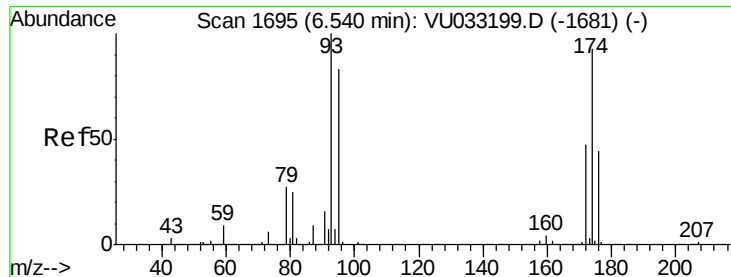
41 52.2 26.5 79.4



Abundance Ion 56.00 (55.70 to 56.70): VU033199.D (-1217) (-)

Ion 41.00 (40.70 to 41.70): VU033199.D (-1217) (-)





#43

Dibromomethane

Concen: 10.219 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

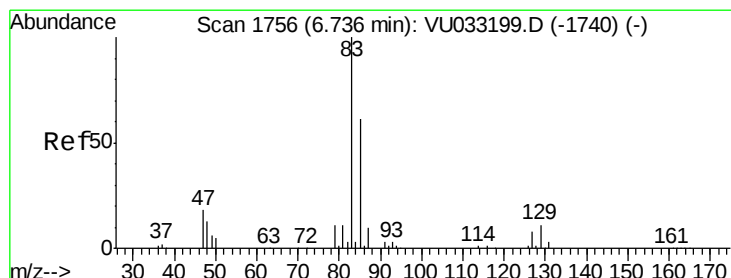
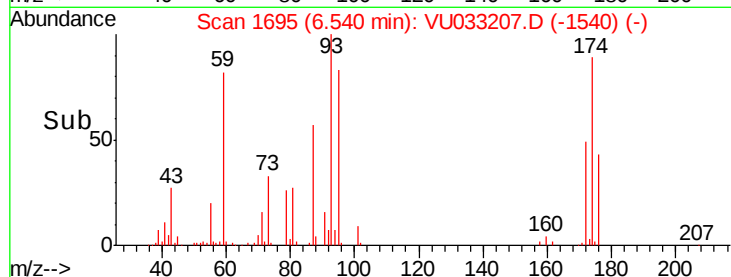
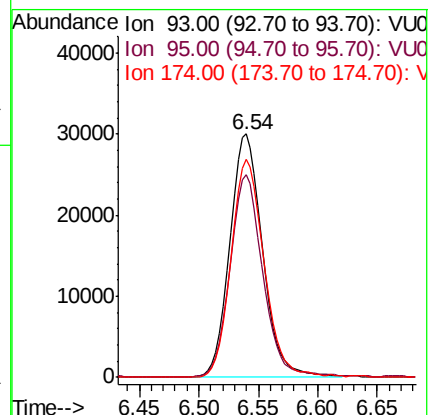
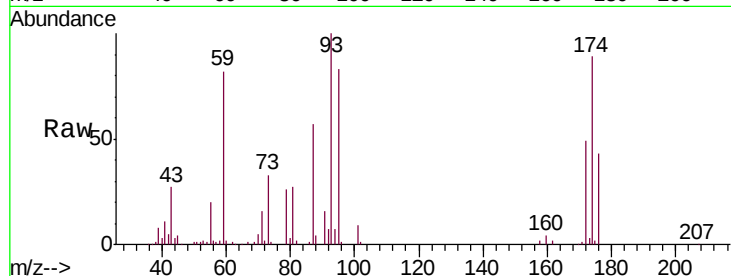
Tgt Ion: 93 Resp: 57399

Ion Ratio Lower Upper

93 100

95 83.4 67.5 101.3

174 90.5 74.2 111.2



#44

Bromodichloromethane

Concen: 9.996 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

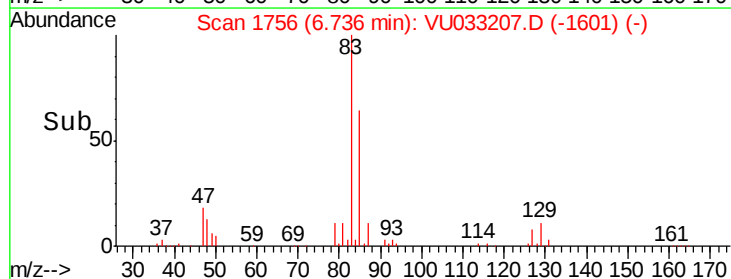
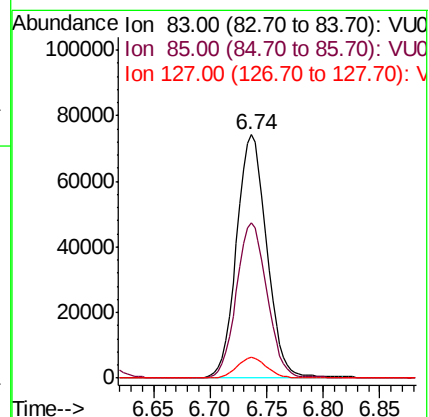
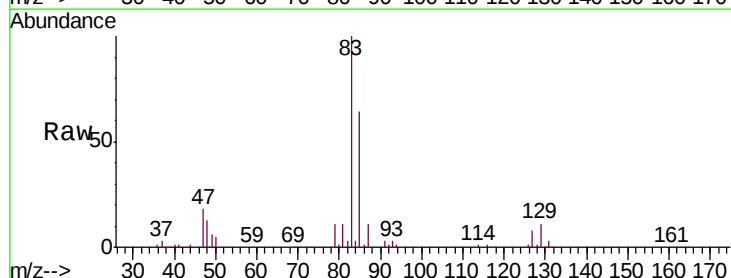
Tgt Ion: 83 Resp: 138361

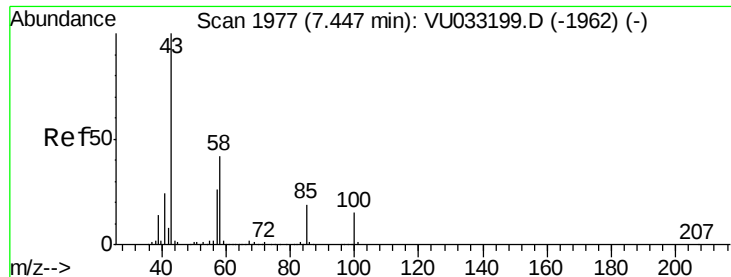
Ion Ratio Lower Upper

83 100

85 64.0 49.1 73.7

127 8.4 6.6 9.8

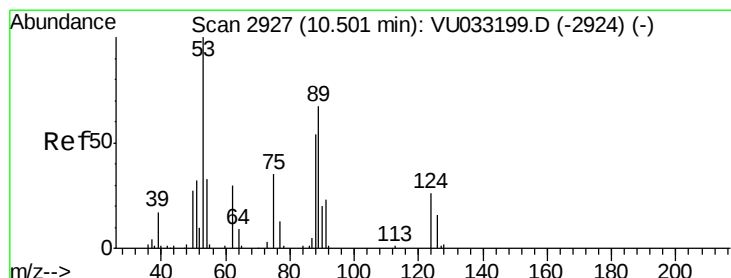
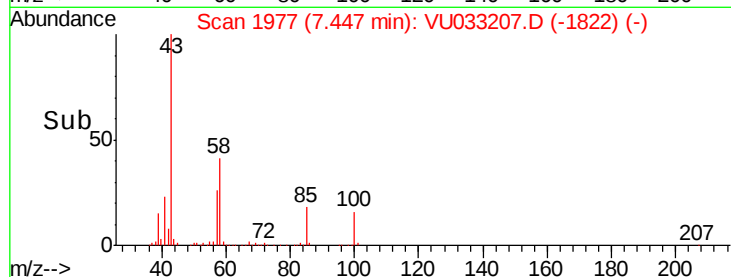
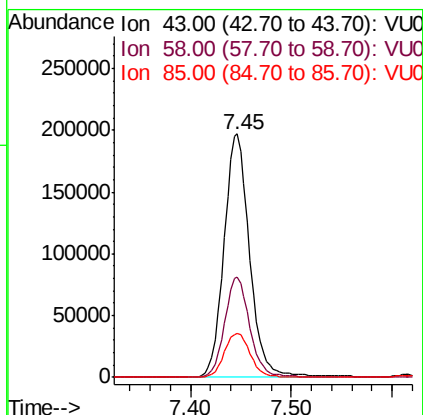
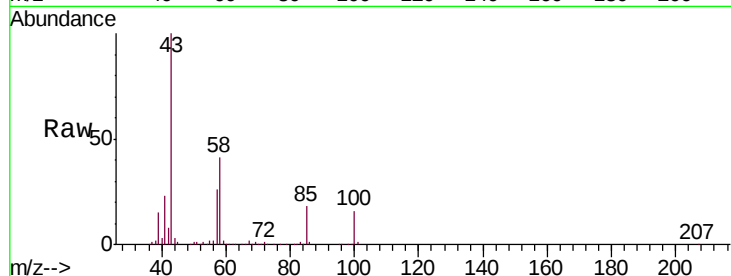




#45  
 4-Methyl-2-Pentanone  
 Concen: 55.413 ug/l  
 RT: 7.45 min Scan# 1977  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

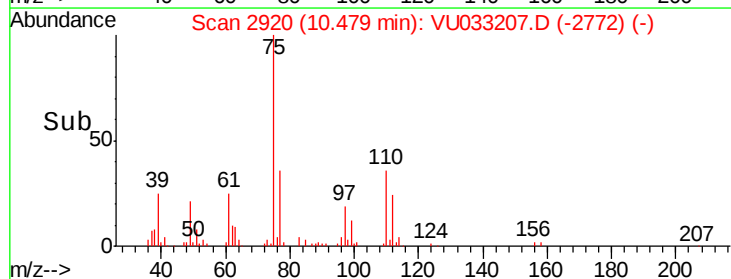
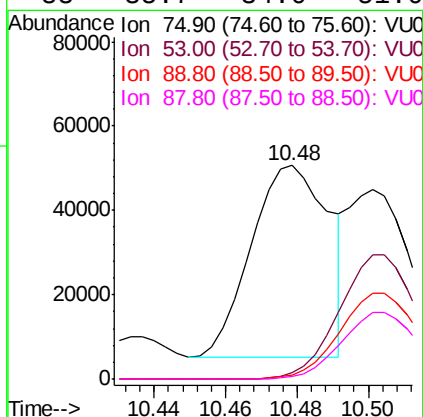
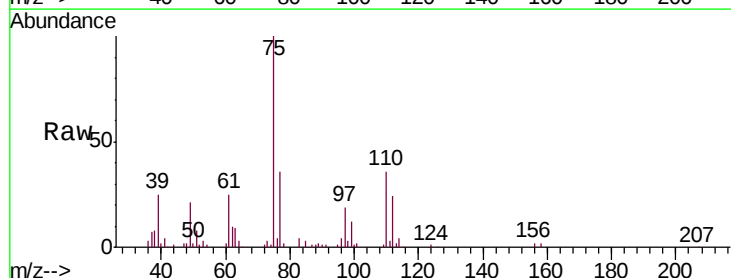
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

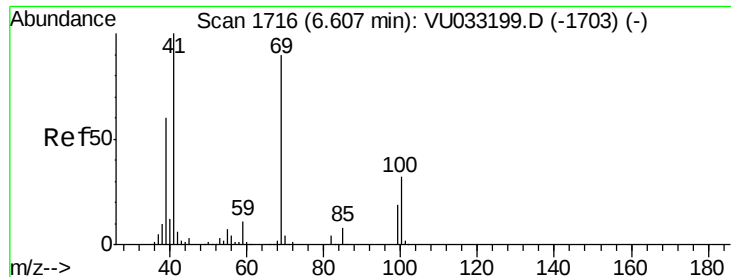
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 40.3  | 20.4  | 61.2  |
| 85      | 18.3  | 14.7  | 22.1  |



#46  
 t-1,4-Dichloro-2-butene  
 Concen: 25.601 ug/l  
 RT: 10.48 min Scan# 2920  
 Delta R.T. -0.02 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 66.7  | 63.8  | 95.6  |
| 89      | 46.2  | 44.0  | 66.0  |
| 88      | 35.7  | 34.0  | 51.0  |

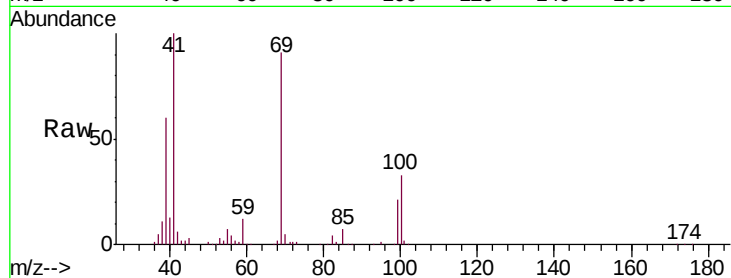




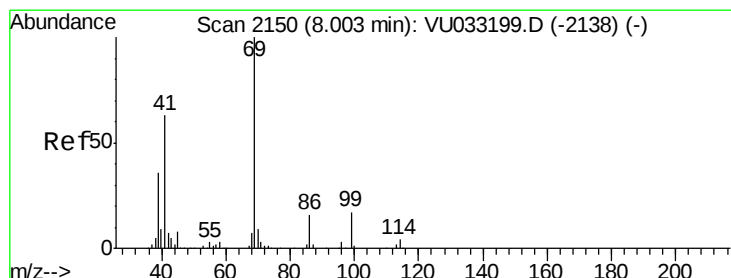
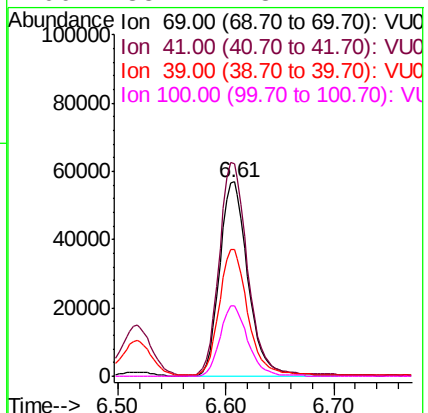
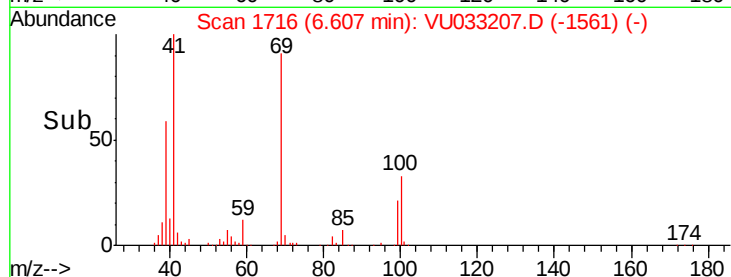
#47  
Methyl methacrylate  
Concen: 23.040 ug/l  
RT: 6.61 min Scan# 1716  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 69 Resp: 104694  
Ion Ratio Lower Upper  
69 100  
41 108.8 0.0 217.0  
39 64.9 52.1 78.1  
100 35.4 28.2 42.4

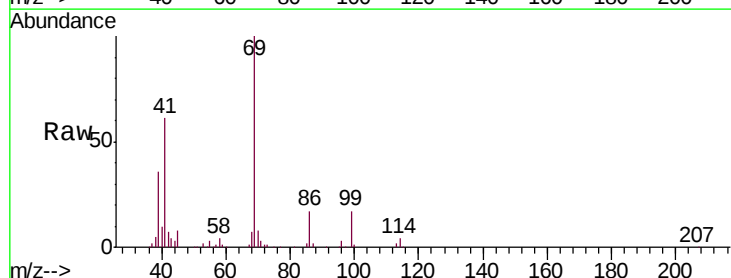


Abundance Ion 69.00 (68.70 to 69.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0  
Ion 39.00 (38.70 to 39.70): VU0  
Ion 100.00 (99.70 to 100.70): VU0

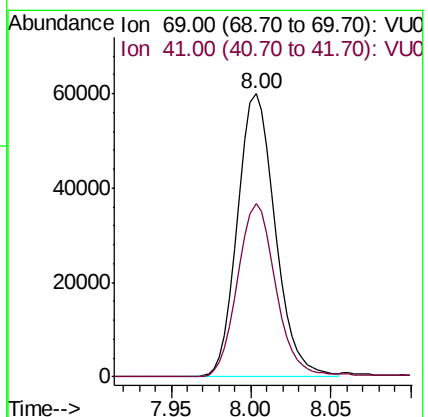
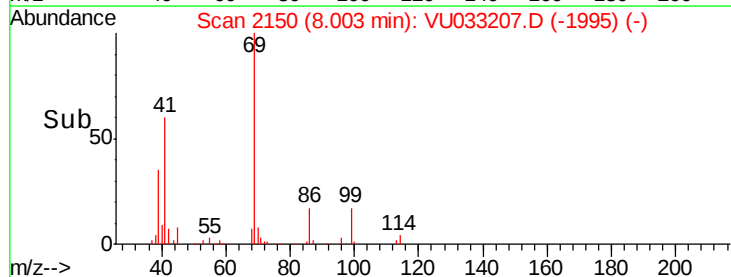


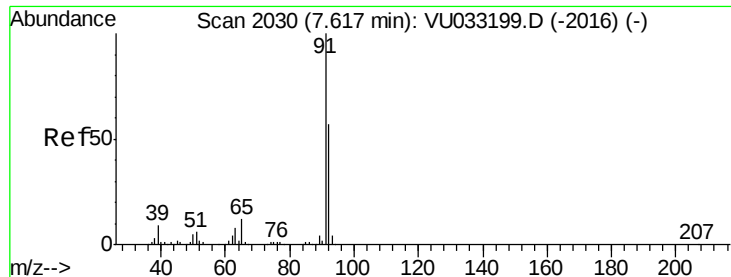
#48  
Ethyl methacrylate  
Concen: 11.303 ug/l  
RT: 8.00 min Scan# 2150  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 69 Resp: 96531  
Ion Ratio Lower Upper  
69 100  
41 63.5 31.3 93.8



Abundance Ion 69.00 (68.70 to 69.70): VU0  
Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 10.858 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

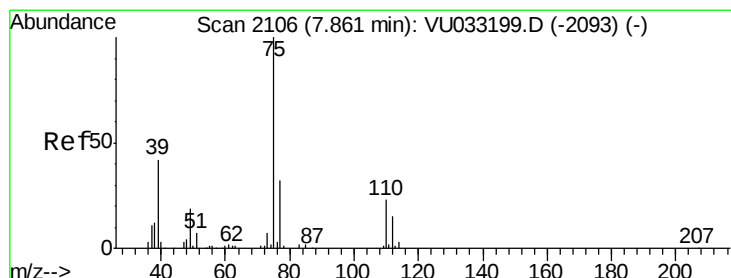
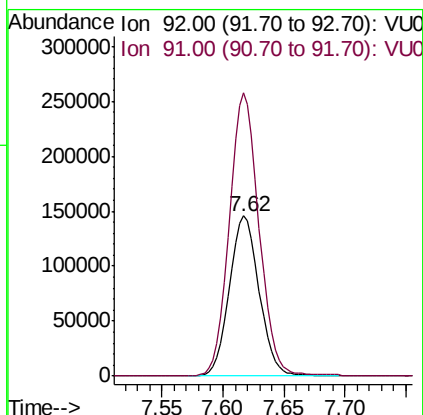
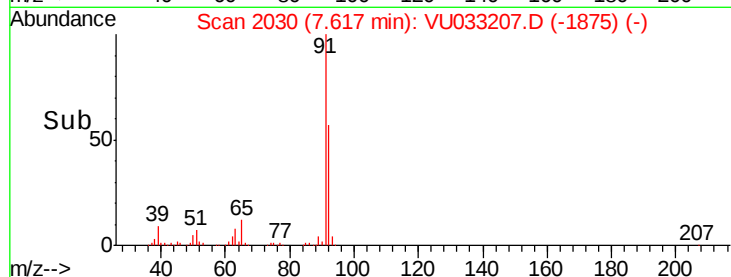
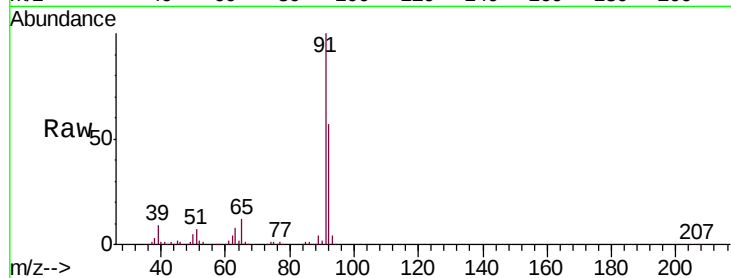
VSTDCCC010EC

Tgt Ion: 92 Resp: 248726

Ion Ratio Lower Upper

92 100

91 176.0 141.2 211.8



#50

t-1,3-Dichloropropene

Concen: 10.380 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033207.D

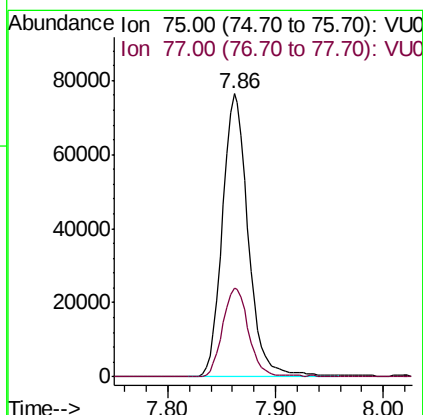
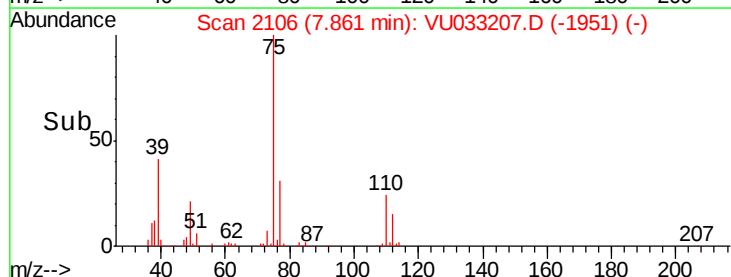
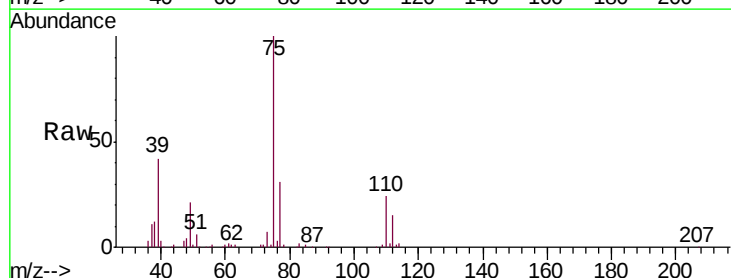
Acq: 12 Jul 2019 00:08

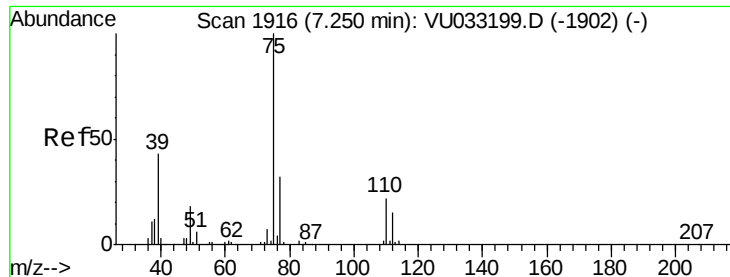
Tgt Ion: 75 Resp: 127468

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8





#51

cis-1,3-Dichloropropene

Concen: 10.384 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

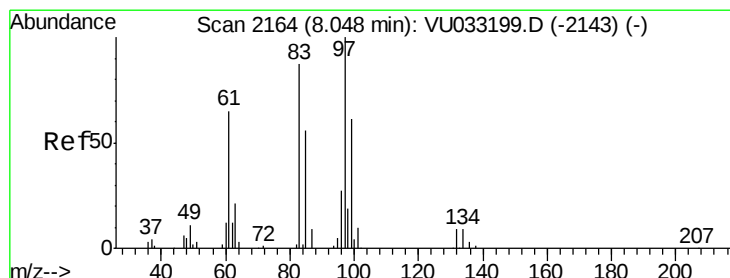
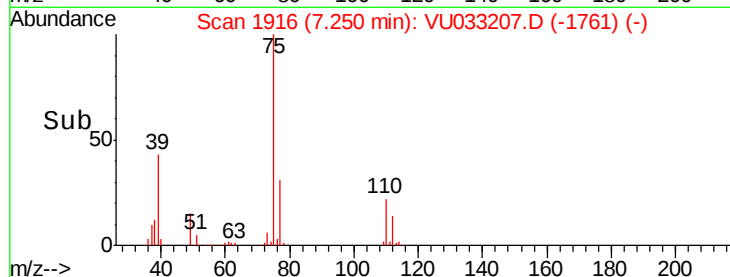
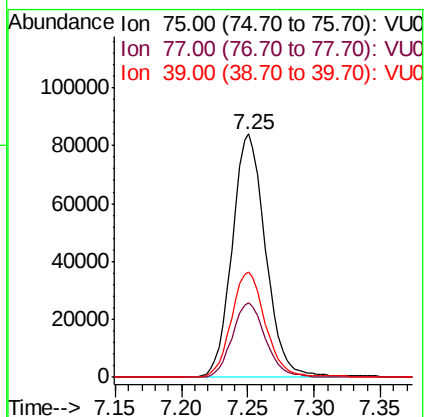
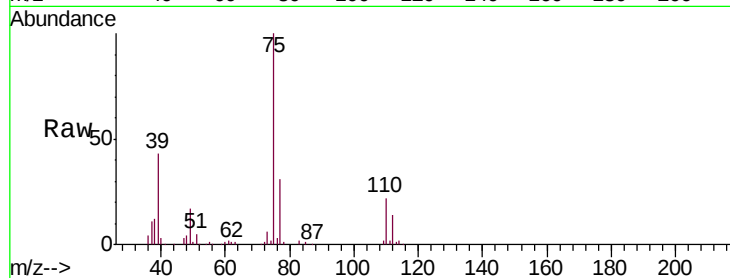
Tgt Ion: 75 Resp: 147314

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 43.4 34.5 51.7



#52

1,1,2-Trichloroethane

Concen: 10.135 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Tgt Ion: 97 Resp: 79026

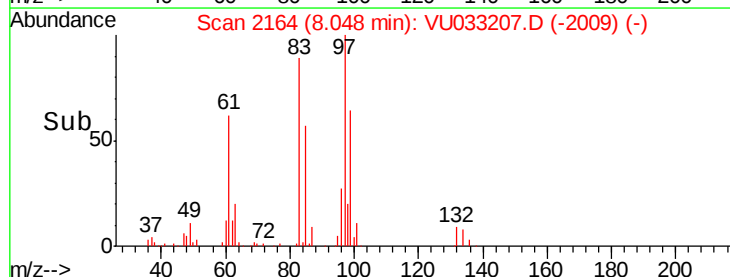
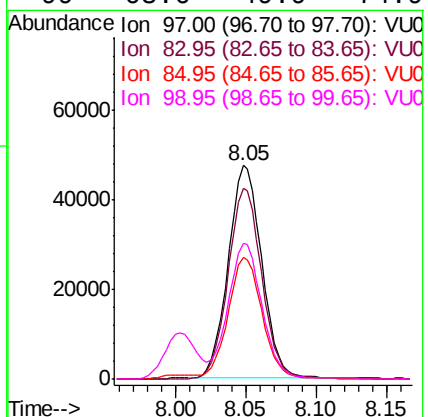
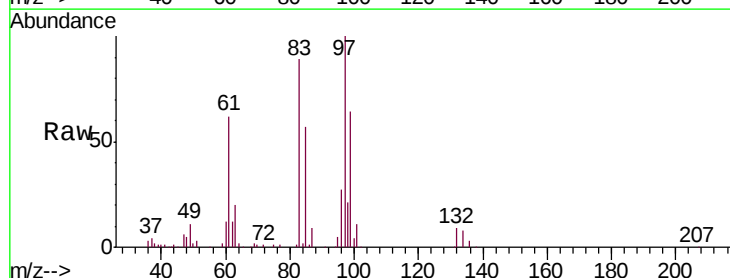
Ion Ratio Lower Upper

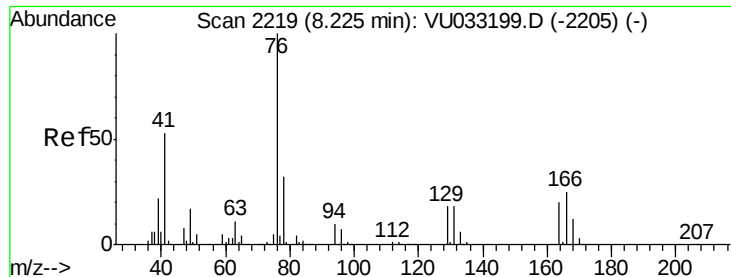
97 100

83 89.4 69.9 104.9

85 56.9 45.2 67.8

99 63.6 49.9 74.9





#53

1,3-Dichloropropane

Concen: 10.339 ug/l

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

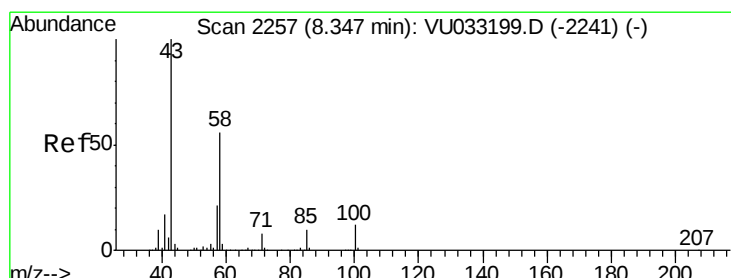
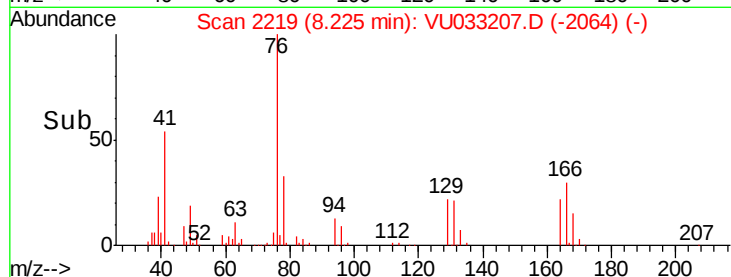
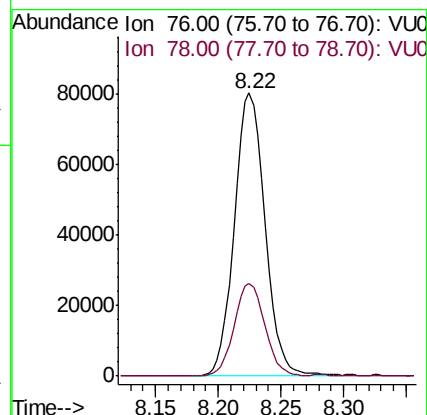
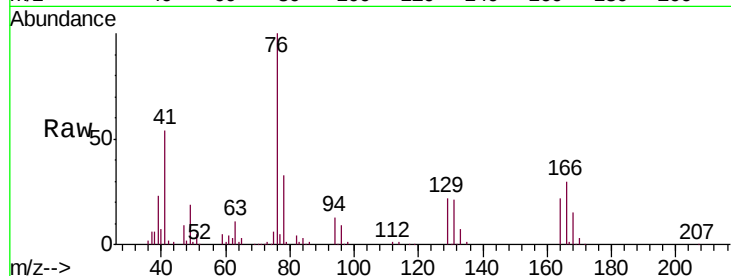
VSTDCCC010EC

Tgt Ion: 76 Resp: 136646

Ion Ratio Lower Upper

76 100

78 32.7 25.9 38.9



#54

2-Hexanone

Concen: 56.012 ug/l

RT: 8.35 min Scan# 2257

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

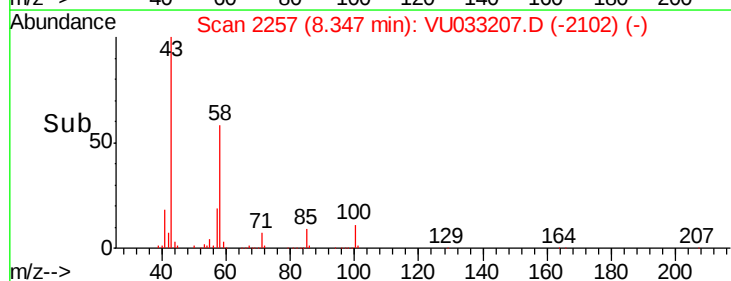
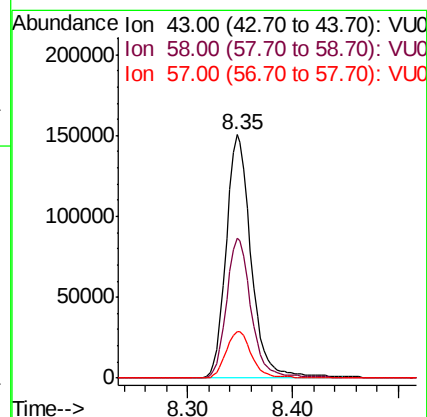
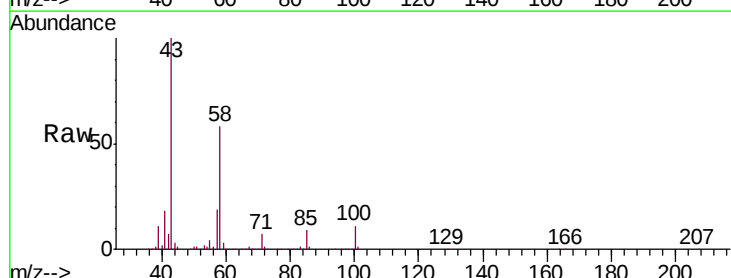
Tgt Ion: 43 Resp: 247613

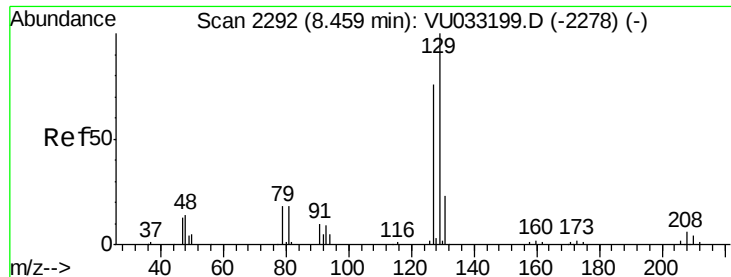
Ion Ratio Lower Upper

43 100

58 56.8 35.8 75.8

57 19.4 0.2 40.2





#55

Dibromochloromethane

Concen: 10.493 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

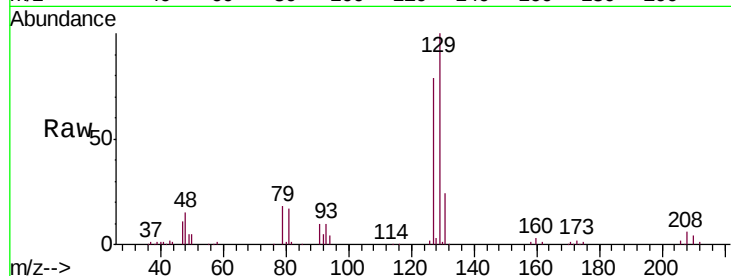
VSTDCCC010EC

Tgt Ion:129 Resp: 94688

Ion Ratio Lower Upper

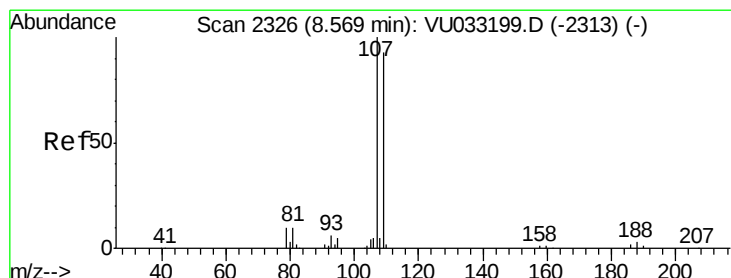
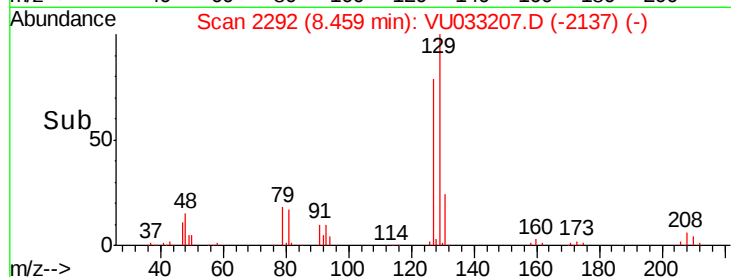
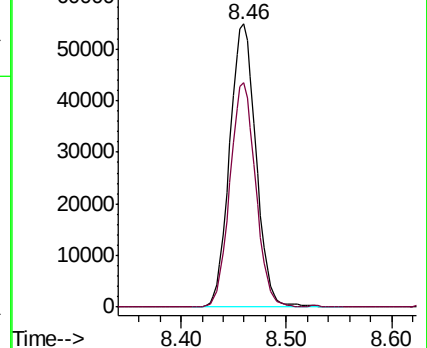
129 100

127 77.0 62.9 94.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 10.527 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033207.D

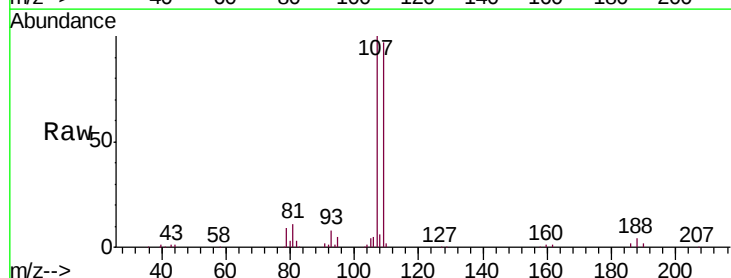
Acq: 12 Jul 2019 00:08

Tgt Ion:107 Resp: 75936

Ion Ratio Lower Upper

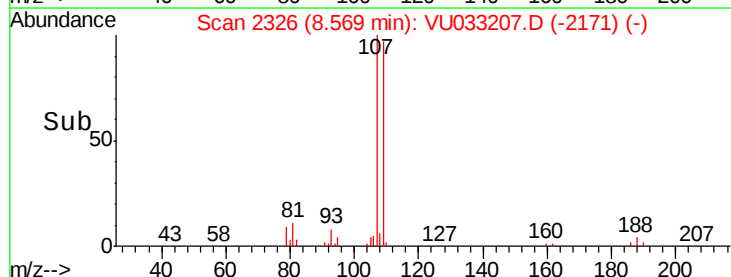
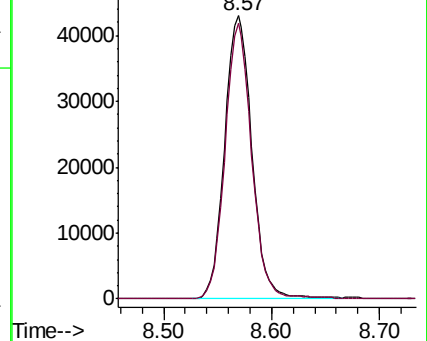
107 100

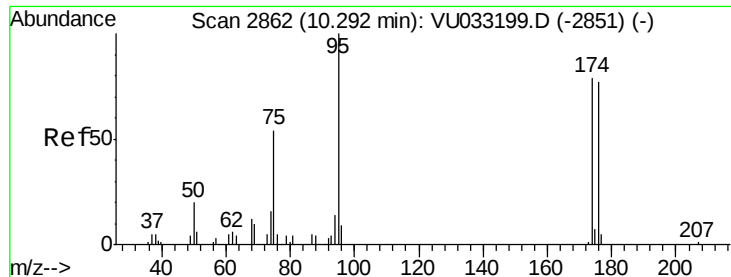
109 94.6 0.0 189.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#57

4-Bromofluorobenzene

Concen: 1.066 ug/l

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

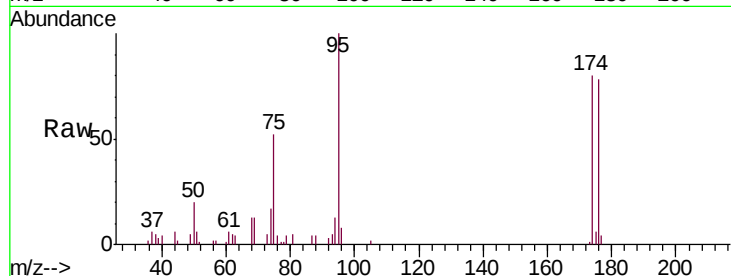
Tgt Ion: 95 Resp: 13264

Ion Ratio Lower Upper

95 100

174 76.3 63.8 95.8

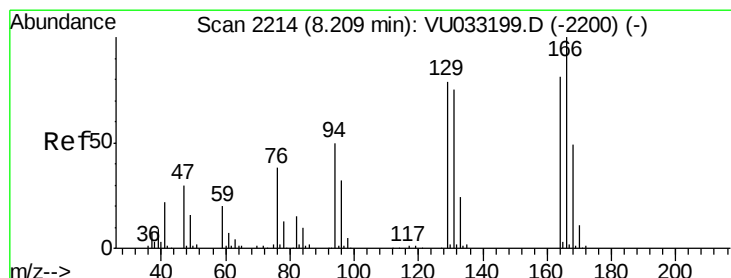
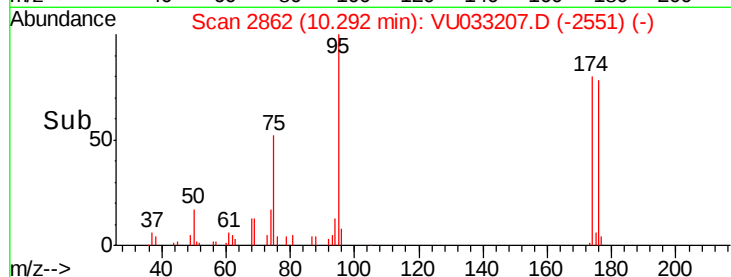
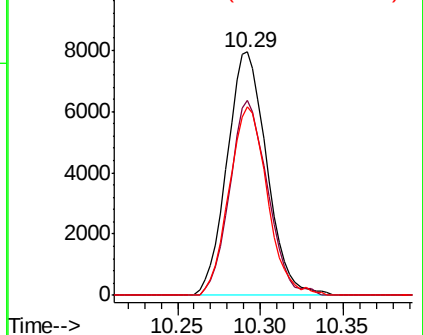
176 74.3 64.5 96.7



Abundance Ion 95.00 (94.70 to 95.70): VU033207.D (-2059) (-)

Ion 174.00 (173.70 to 174.70): VU033207.D (-2059) (-)

Ion 176.00 (175.70 to 176.70): VU033207.D (-2059) (-)



#58

Tetrachloroethene

Concen: 10.313 ug/l

RT: 8.21 min Scan# 2214

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Tgt Ion: 164 Resp: 95665

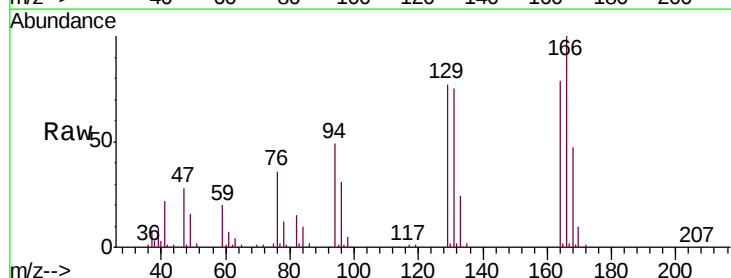
Ion Ratio Lower Upper

164 100

166 126.9 99.3 148.9

129 97.2 78.0 117.0

131 94.7 74.5 111.7

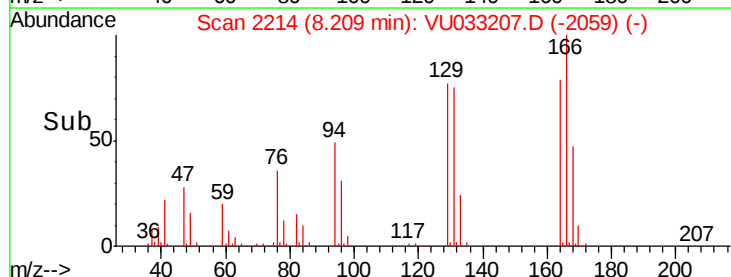
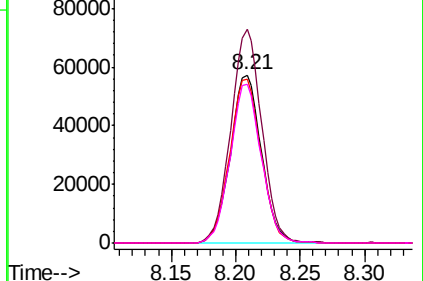


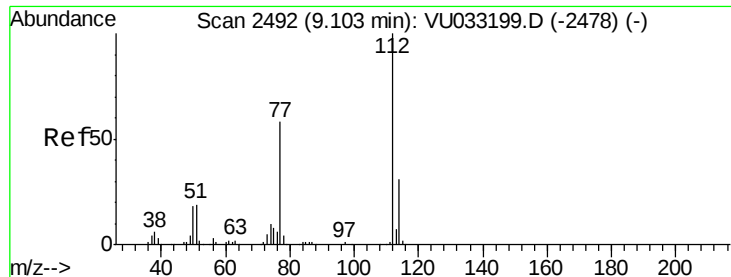
Abundance Ion 163.85 (163.55 to 164.55): VU033207.D (-2059) (-)

Ion 165.80 (165.50 to 166.50): VU033207.D (-2059) (-)

Ion 128.90 (128.60 to 129.60): VU033207.D (-2059) (-)

Ion 130.90 (130.60 to 131.60): VU033207.D (-2059) (-)





#59

Chlorobenzene

Concen: 10.579 ug/l

RT: 9.10 min Scan# 2492

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

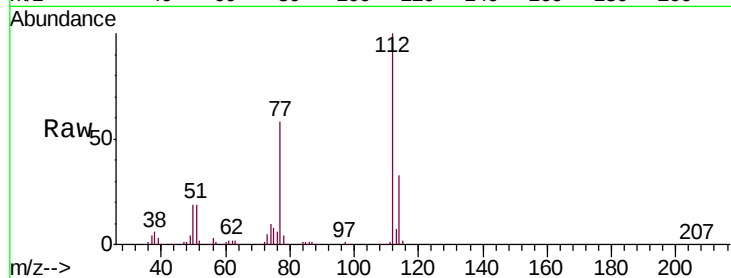
VSTDCCC010EC

Tgt Ion:112 Resp: 272335

Ion Ratio Lower Upper

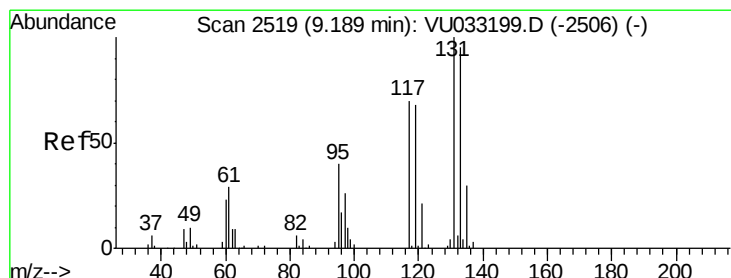
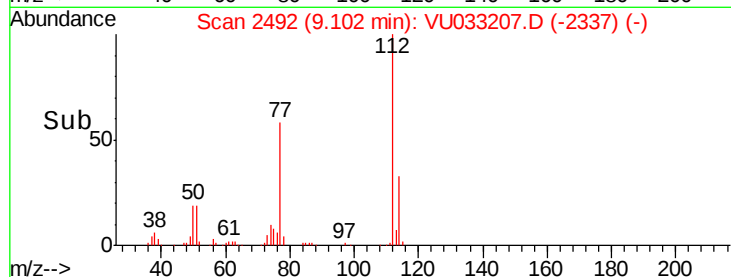
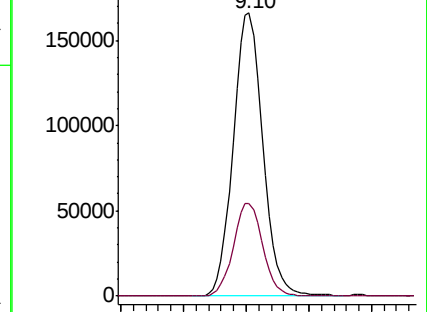
112 100

114 33.0 25.1 37.7



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#60

1,1,1,2-Tetrachloroethane

Concen: 10.439 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

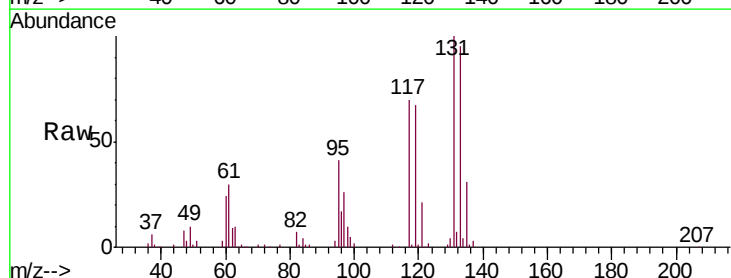
Tgt Ion:131 Resp: 99033

Ion Ratio Lower Upper

131 100

133 95.4 76.7 115.1

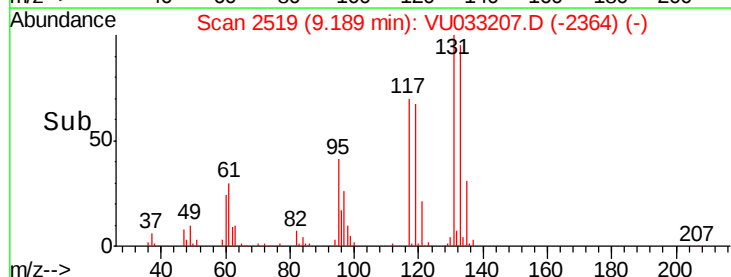
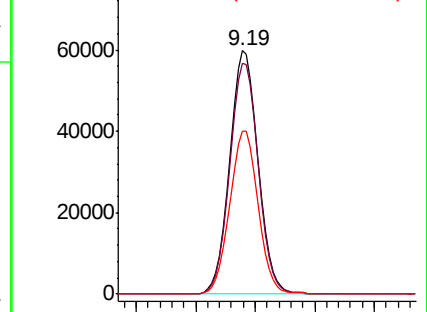
119 67.2 54.2 81.2

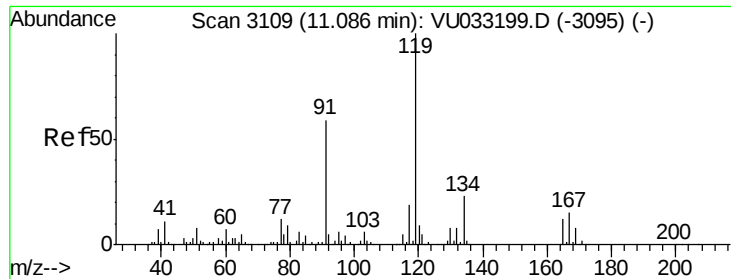


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

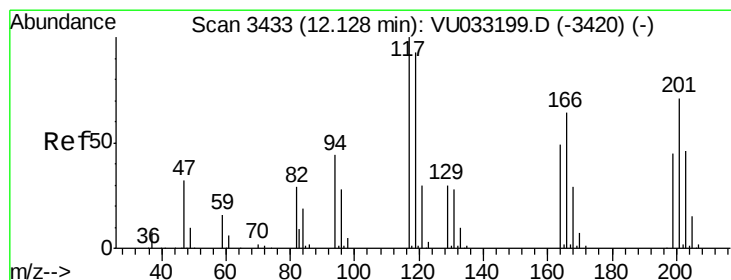
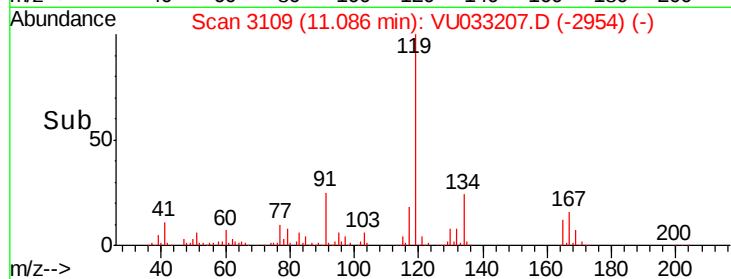
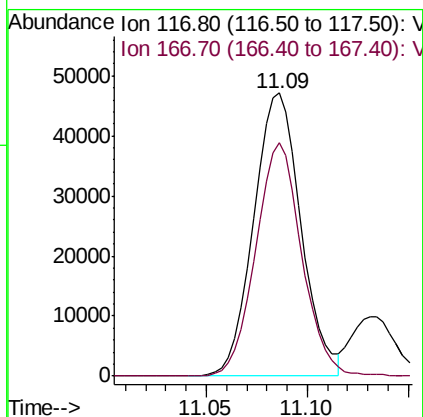
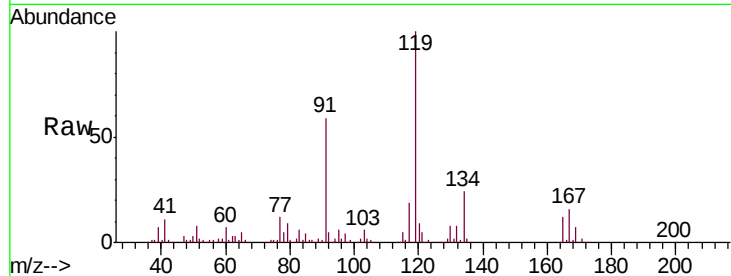




#61  
 Pentachloroethane  
 Concen: 10.367 ug/l  
 RT: 11.09 min Scan# 3109  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

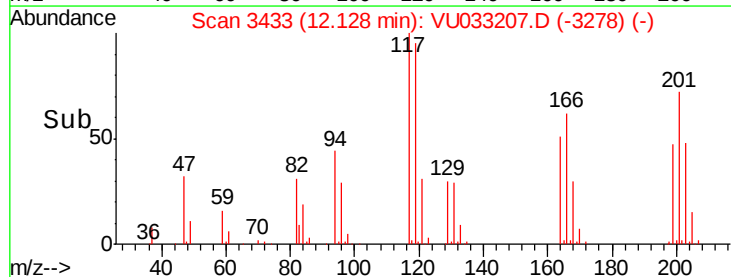
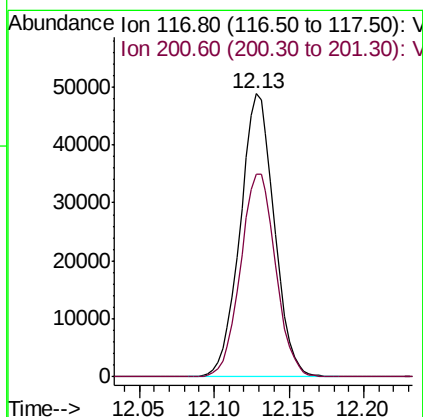
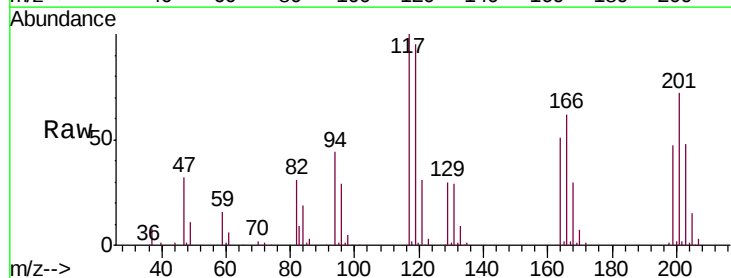
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

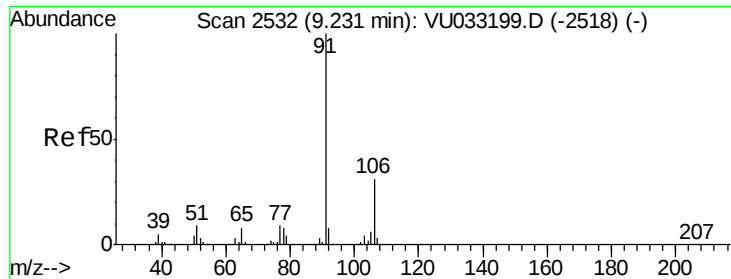
Tgt Ion:117 Resp: 77304  
 Ion Ratio Lower Upper  
 117 100  
 167 80.0 63.6 95.4



#62  
 Hexachloroethane  
 Concen: 10.706 ug/l  
 RT: 12.13 min Scan# 3433  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion:117 Resp: 77513  
 Ion Ratio Lower Upper  
 117 100  
 201 73.5 58.5 87.7

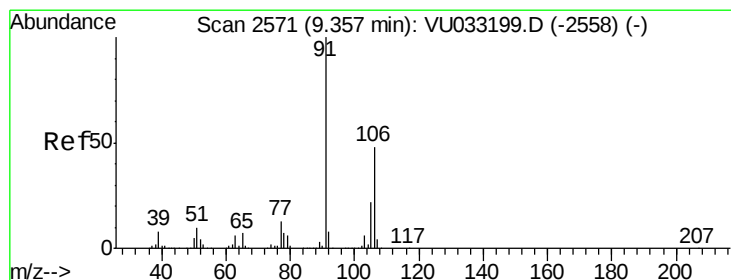
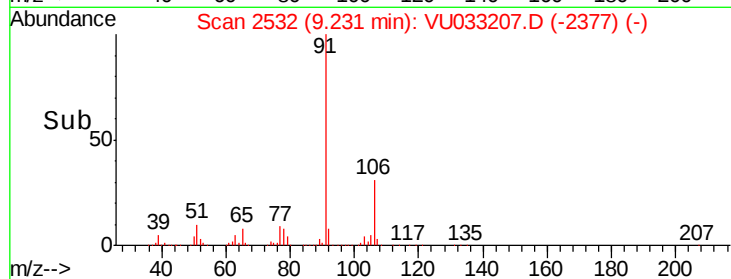
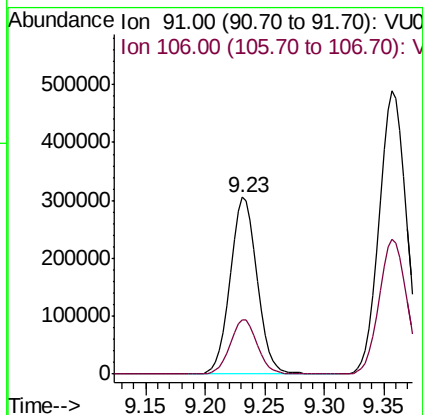
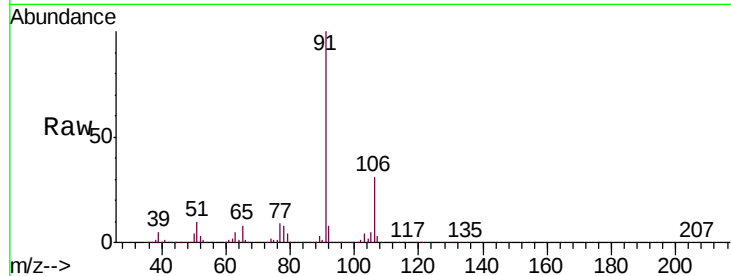




#63  
Ethyl Benzene  
Concen: 11.415 ug/l  
RT: 9.23 min Scan# 2532  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

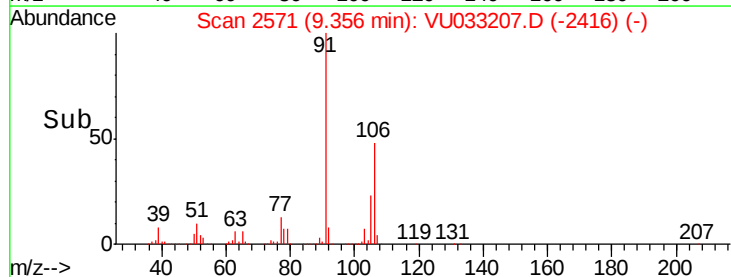
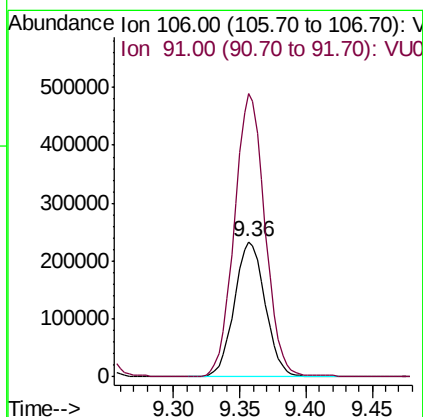
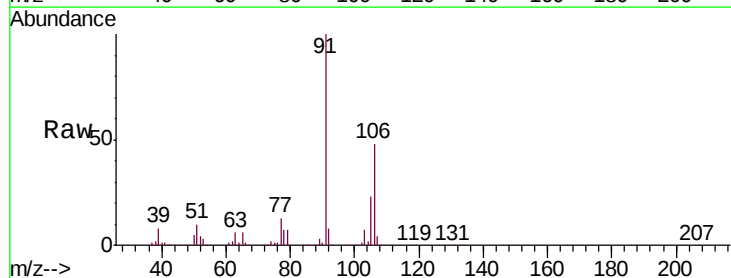
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

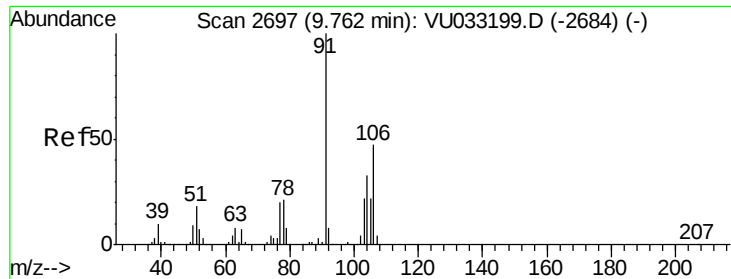
Tgt Ion: 91 Resp: 480488  
Ion Ratio Lower Upper  
91 100  
106 30.8 24.9 37.3



#64  
m/p-Xylenes  
Concen: 22.959 ug/l  
RT: 9.36 min Scan# 2571  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 106 Resp: 377627  
Ion Ratio Lower Upper  
106 100  
91 207.0 164.8 247.2

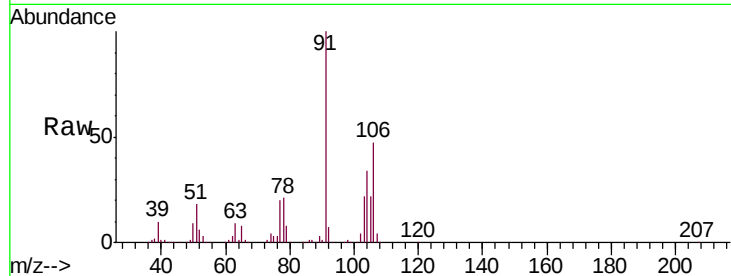




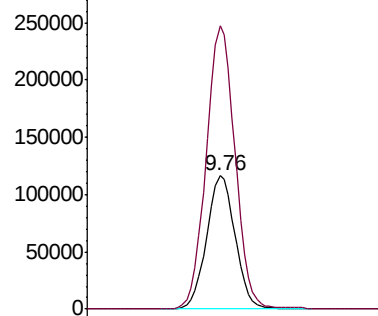
#65  
o-Xylene  
Concen: 11.240 ug/l  
RT: 9.76 min Scan# 2697  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

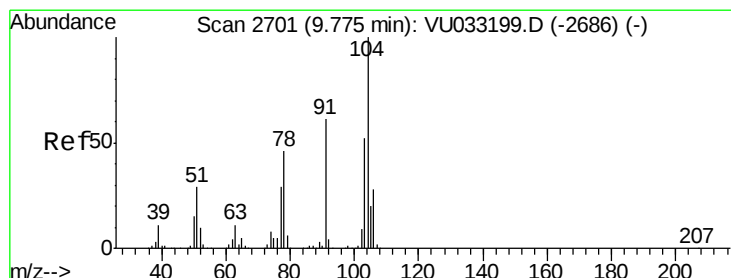
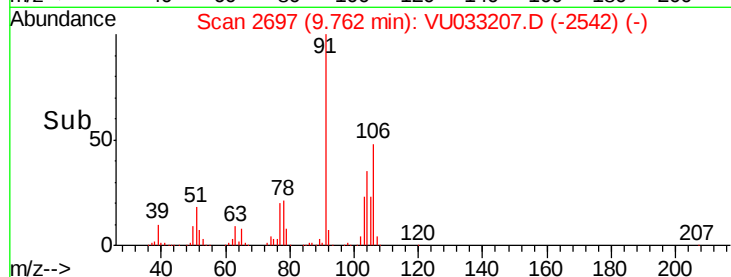
Tgt Ion:106 Resp: 179718  
Ion Ratio Lower Upper  
106 100  
91 214.4 108.6 325.8



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

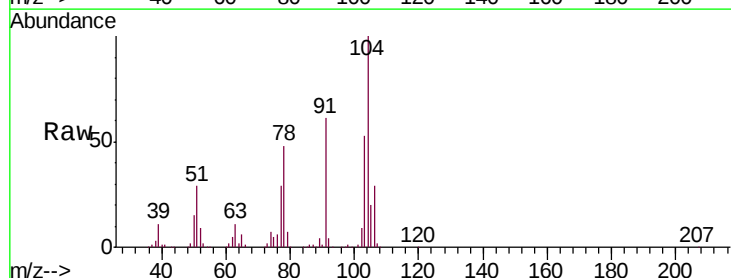


Time-->

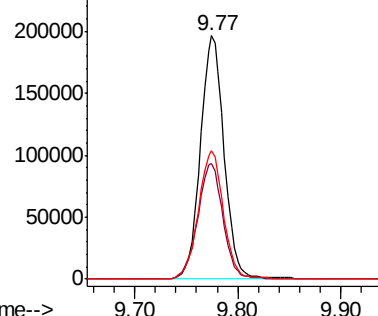


#66  
Styrene  
Concen: 11.682 ug/l  
RT: 9.77 min Scan# 2701  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

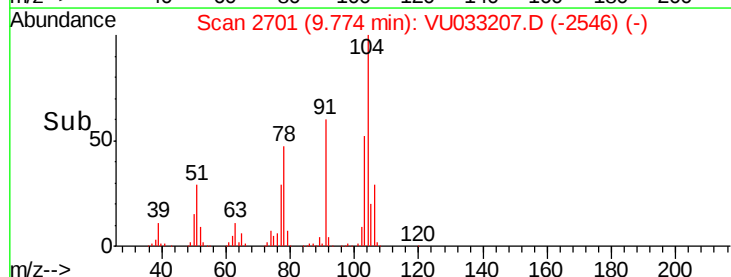
Tgt Ion:104 Resp: 315284  
Ion Ratio Lower Upper  
104 100  
78 50.5 40.4 60.6  
103 55.6 44.3 66.5

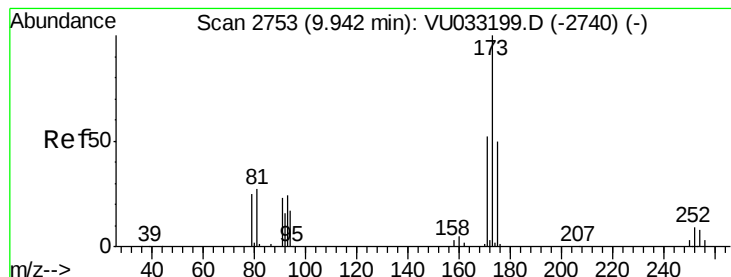


Abundance Ion 104.00 (103.70 to 104.70): V  
Ion 78.00 (77.70 to 78.70): VU0  
Ion 103.00 (102.70 to 103.70): V



Time-->





#67

Bromoform

Concen: 10.633 ug/l

RT: 9.94 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

VSTDCCC010EC

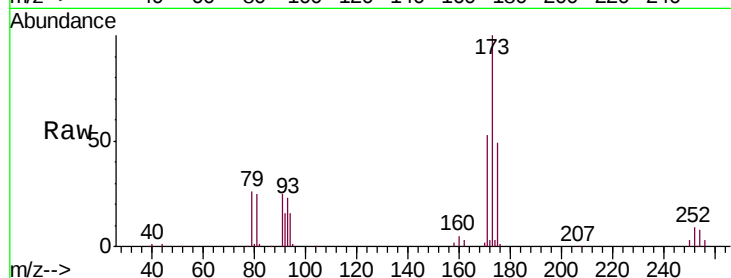
Tgt Ion:173 Resp: 54556

Ion Ratio Lower Upper

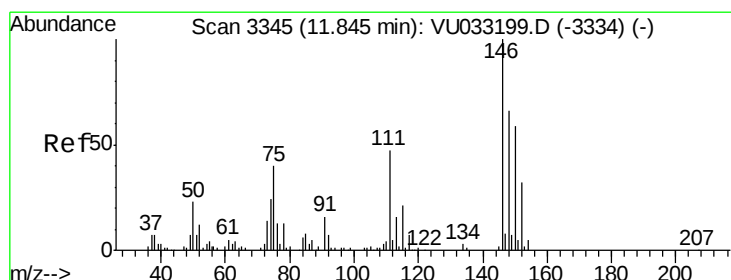
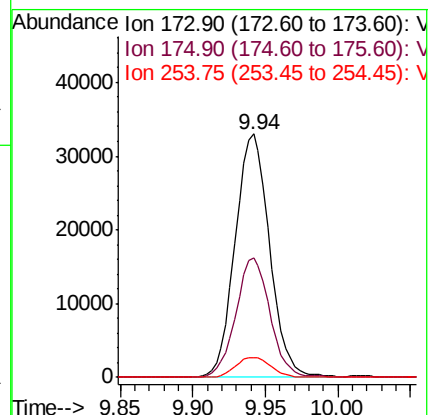
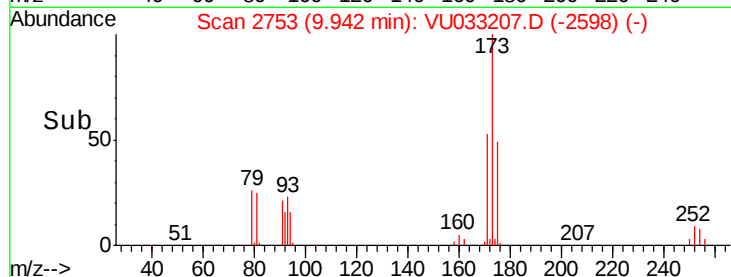
173 100

175 48.5 39.4 59.0

254 8.2 6.9 10.3



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: 1.039 ug/l

RT: 11.85 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

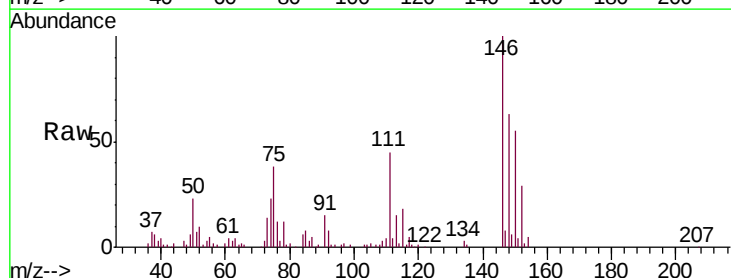
Tgt Ion:152 Resp: 14001

Ion Ratio Lower Upper

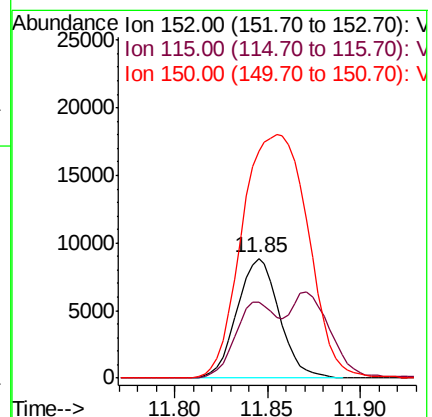
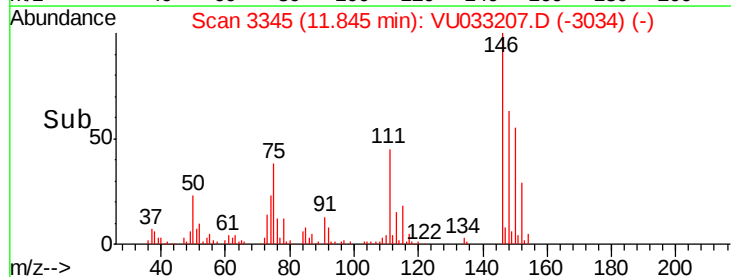
152 100

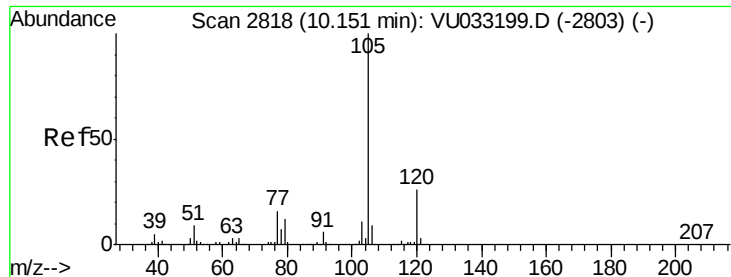
115 64.3 0.0 131.0

150 318.2 0.0 634.4



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: 11.378 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

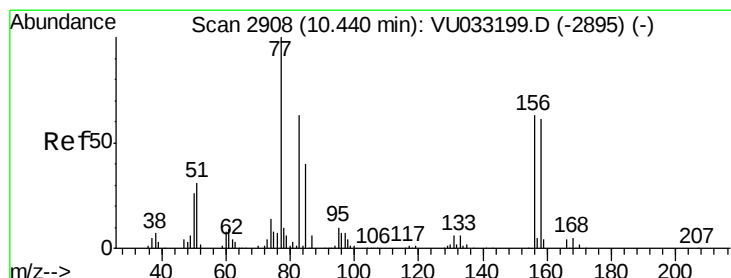
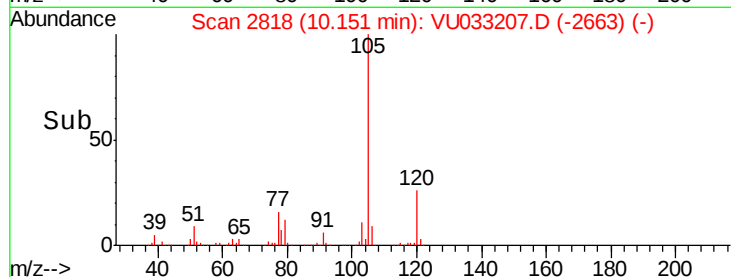
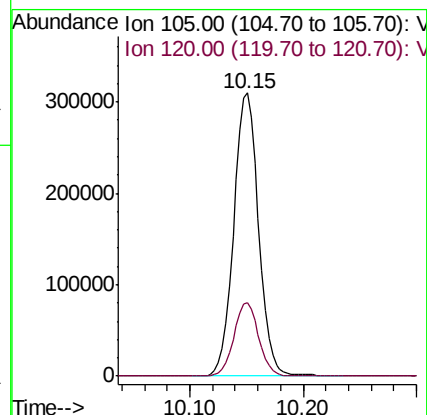
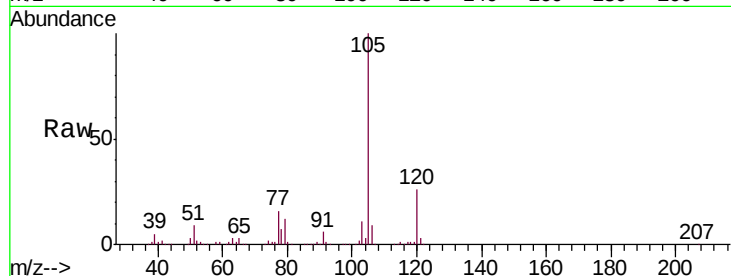
VSTDCCC010EC

Tgt Ion:105 Resp: 472946

Ion Ratio Lower Upper

105 100

120 26.0 13.2 39.6



#70

1,1,2,2-Tetrachloroethane

Concen: 10.445 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

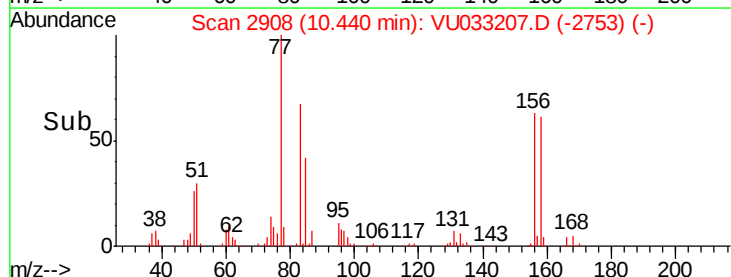
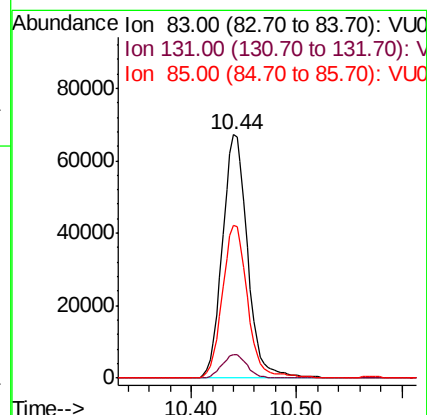
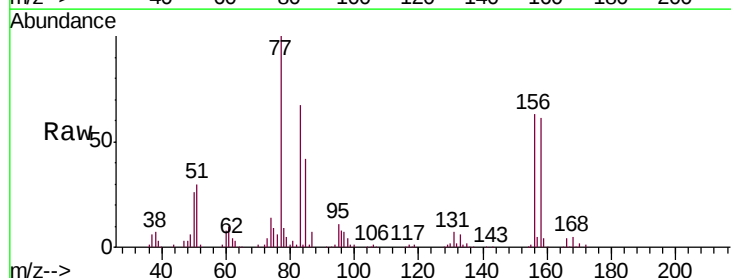
Tgt Ion: 83 Resp: 110869

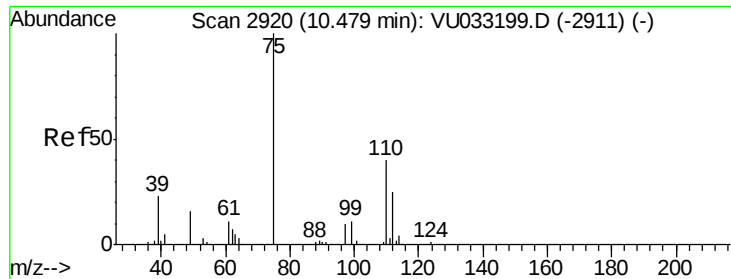
Ion Ratio Lower Upper

83 100

131 9.7 8.0 12.0

85 63.2 50.6 76.0

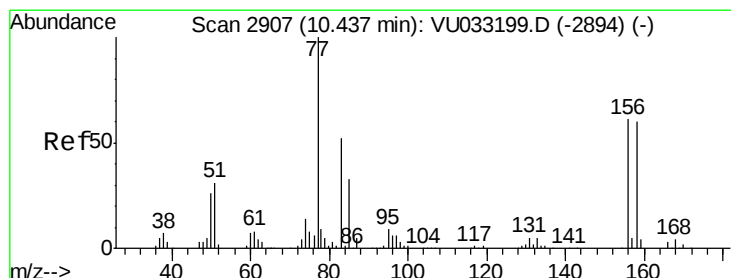
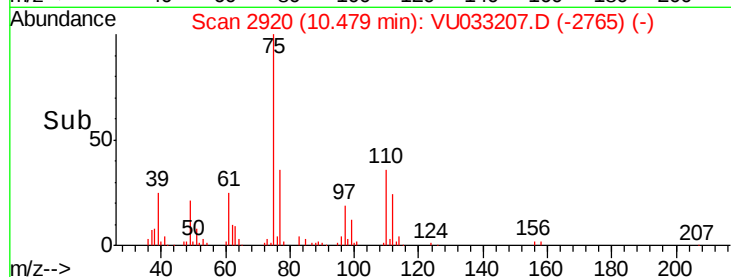
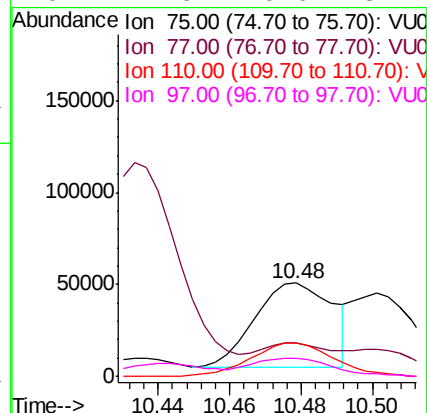
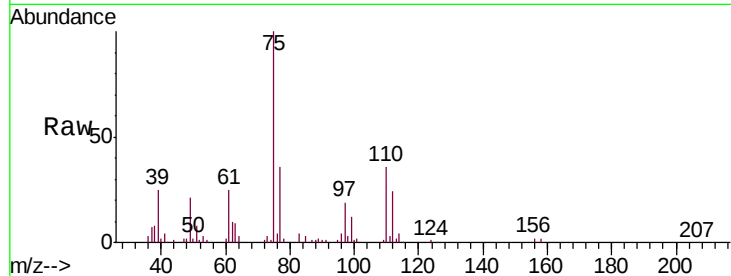




#71  
 1,2,3-Trichloropropane  
 Concen: 8.667 ug/l  
 RT: 10.48 min Scan# 2920  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

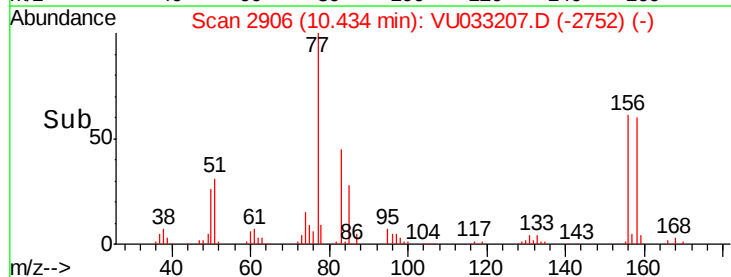
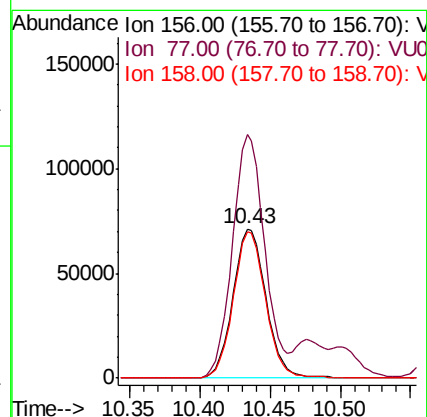
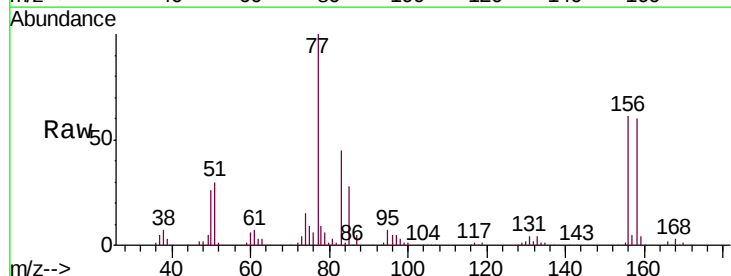
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

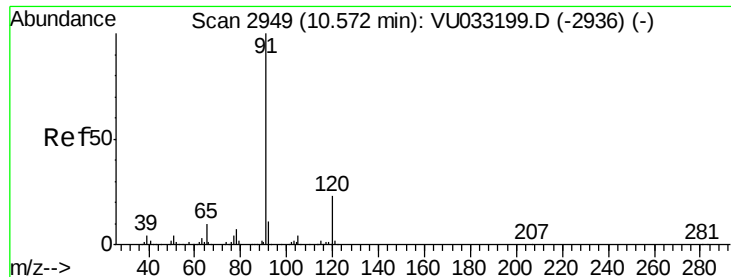
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 68946 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 10.5  | 0.0   | 15.4  |
| 110      | 41.8  | 0.0   | 72.2  |
| 97       | 22.6  | 0.0   | 37.2  |



#72  
 Bromobenzene  
 Concen: 10.833 ug/l  
 RT: 10.43 min Scan# 2906  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 156   | Resp: | 116802 |
| Ion      | Ratio | Lower | Upper  |
| 156      | 100   |       |        |
| 77       | 159.8 | 0.0   | 326.0  |
| 158      | 96.1  | 0.0   | 193.2  |





#73

n-propylbenzene

Concen: 11.674 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

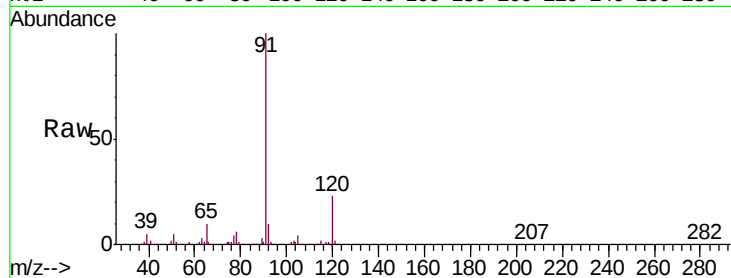
VSTDCCC010EC

Tgt Ion:120 Resp: 137454

Ion Ratio Lower Upper

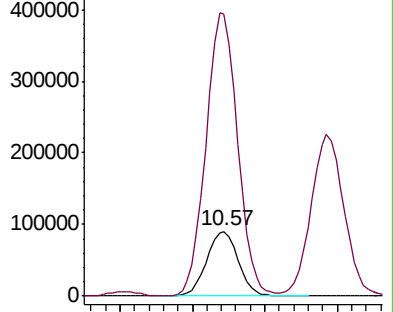
120 100

91 435.3 349.0 523.4

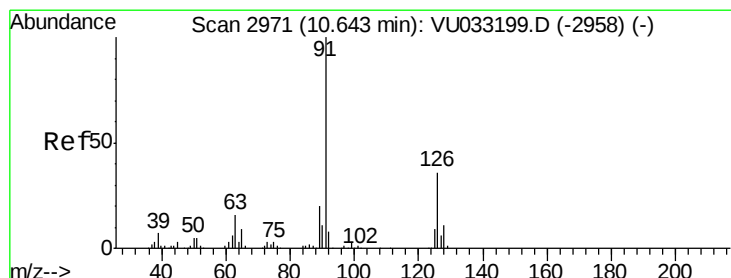
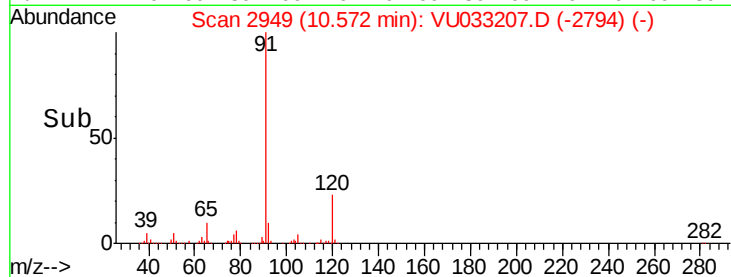


Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#74

2-Chlorotoluene

Concen: 11.173 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033207.D

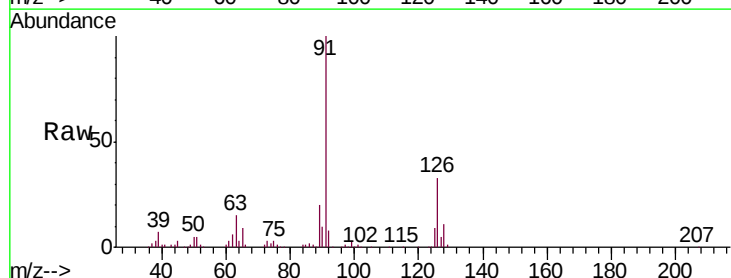
Acq: 12 Jul 2019 00:08

Tgt Ion:126 Resp: 118729

Ion Ratio Lower Upper

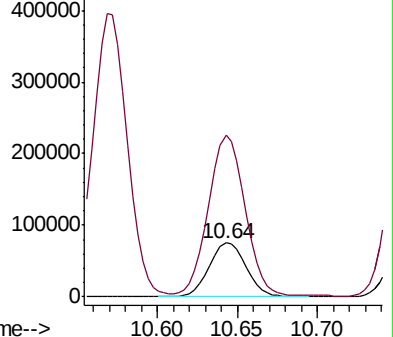
126 100

91 294.2 0.0 592.2

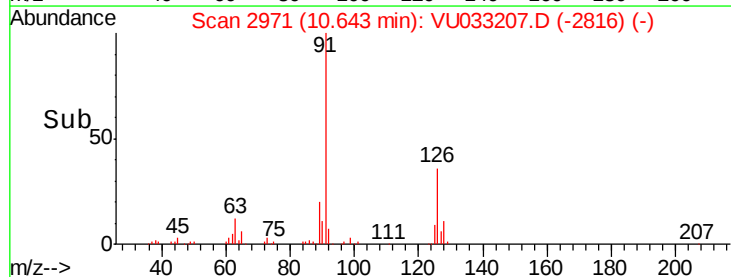


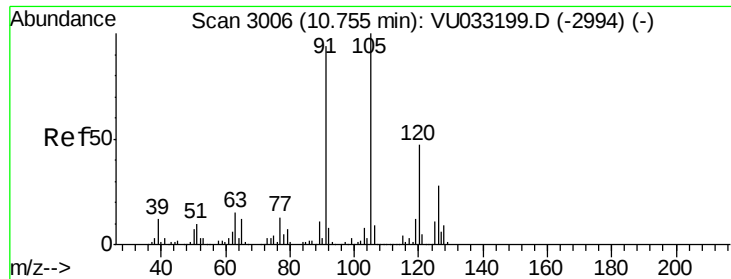
Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->





#75

1,3,5-Trimethylbenzene

Concen: 11.871 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

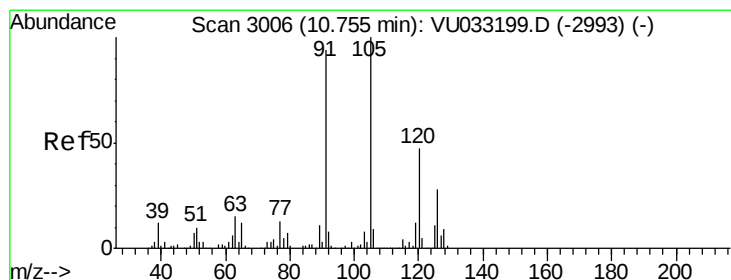
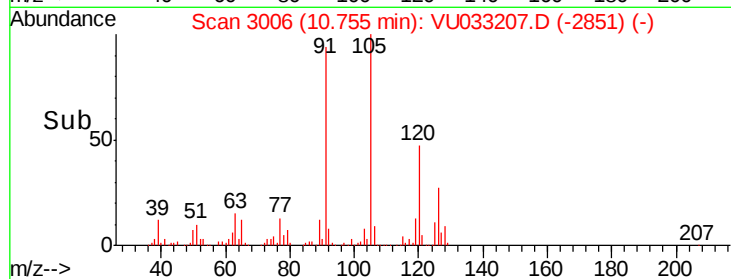
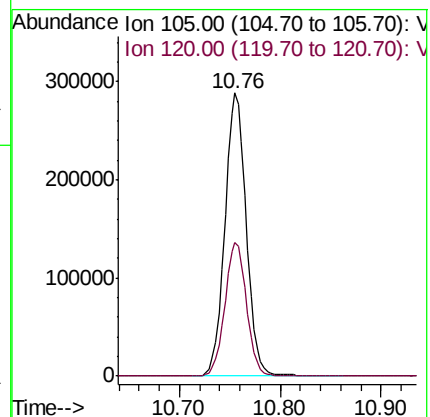
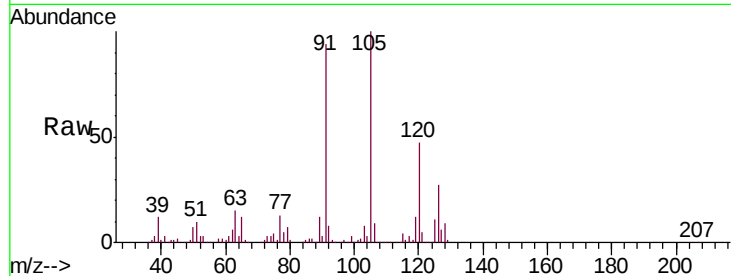
VSTDCCC010EC

Tgt Ion:105 Resp: 427139

Ion Ratio Lower Upper

105 100

120 48.1 37.8 56.8



#76

4-Chlorotoluene

Concen: 11.145 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033207.D

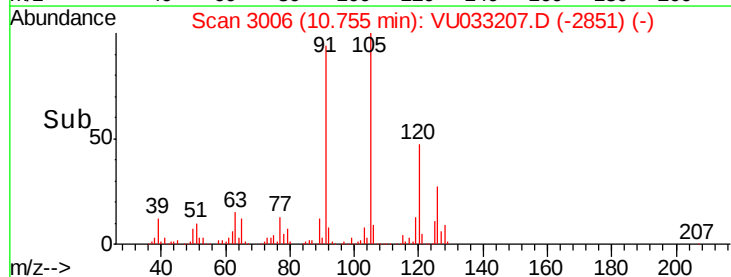
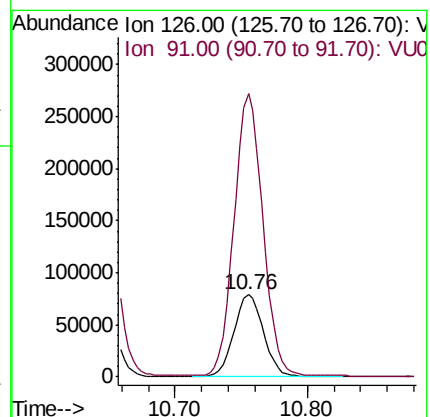
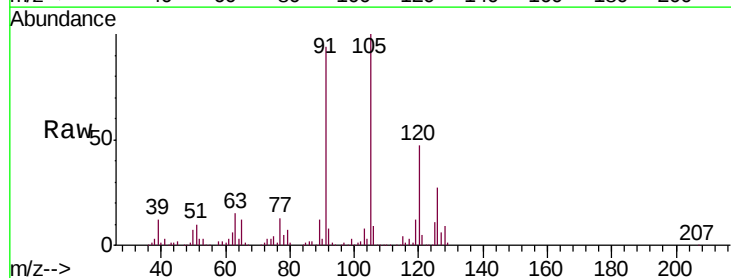
Acq: 12 Jul 2019 00:08

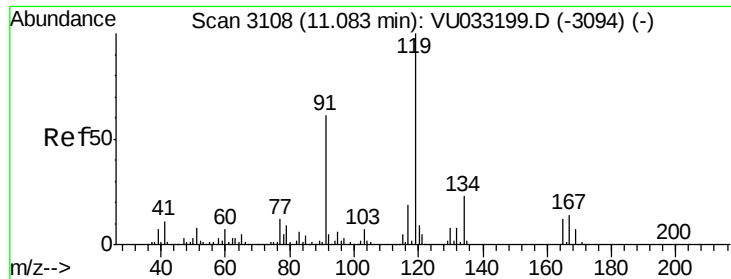
Tgt Ion:126 Resp: 120916

Ion Ratio Lower Upper

126 100

91 343.9 0.0 663.4

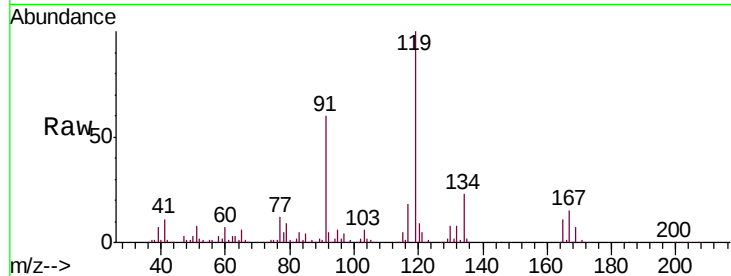




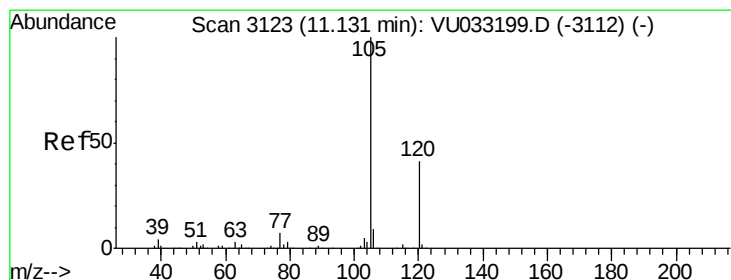
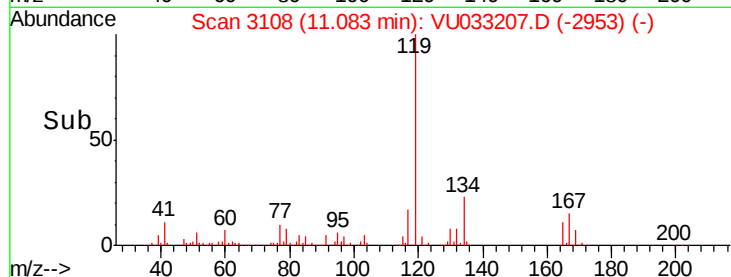
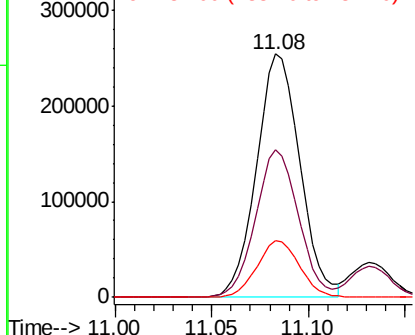
#77  
 tert-Butylbenzene  
 Concen: 11.443 ug/l  
 RT: 11.08 min Scan# 3108  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:119 Resp: 396454  
 Ion Ratio Lower Upper  
 119 100  
 91 59.8 29.8 89.5  
 134 23.1 18.2 27.4

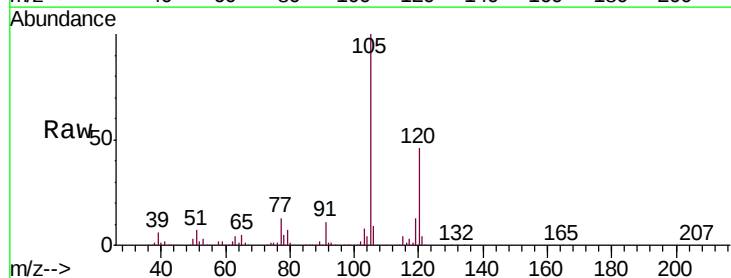


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 91.00 (90.70 to 91.70): VU  
 Ion 134.00 (133.70 to 134.70): V

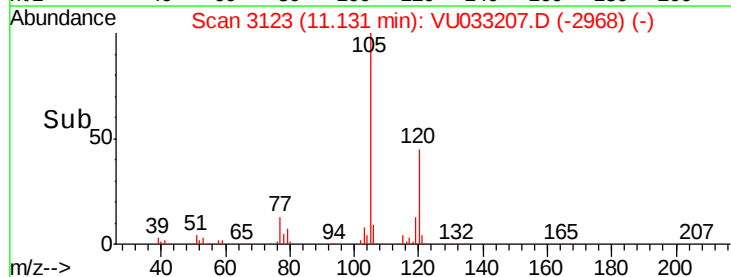
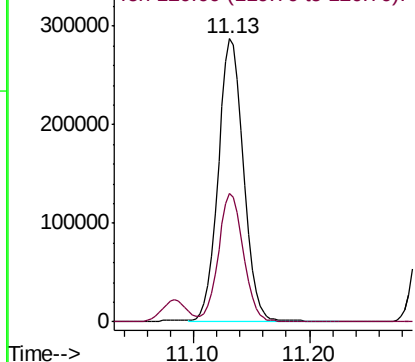


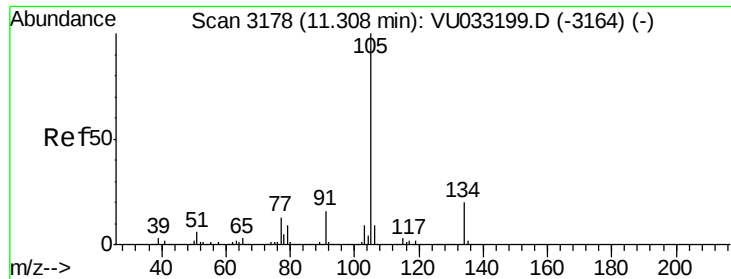
#78  
 1,2,4-Trimethylbenzene  
 Concen: 11.842 ug/l  
 RT: 11.13 min Scan# 3123  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion:105 Resp: 435409  
 Ion Ratio Lower Upper  
 105 100  
 120 45.4 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V  
 Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 11.479 ug/l

RT: 11.31 min Scan# 3178

Delta R.T. -0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

Instrument :

MSVOA\_U

ClientSampleId :

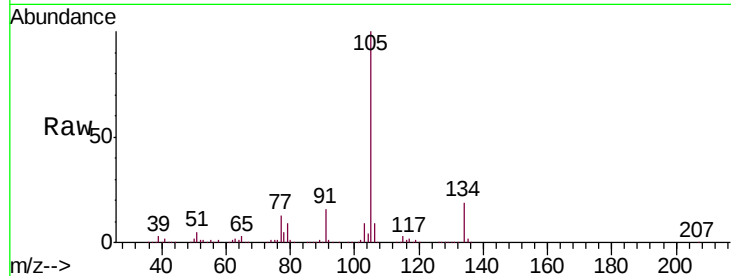
VSTDCCC010EC

Tgt Ion: 105 Resp: 545807

Ion Ratio Lower Upper

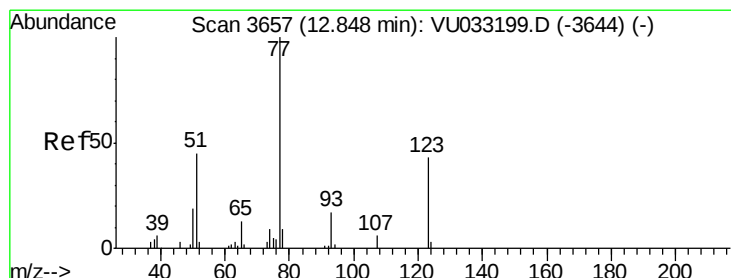
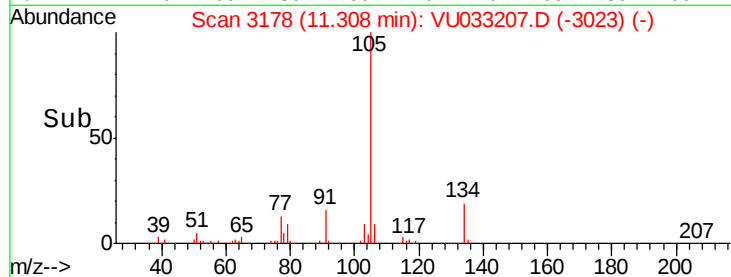
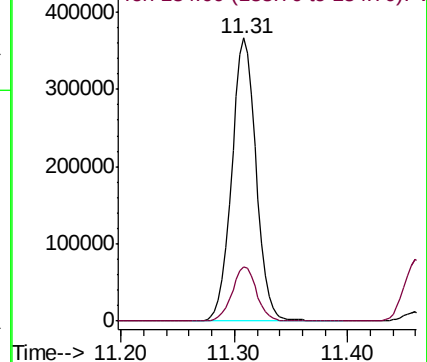
105 100

134 19.3 15.8 23.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 44.547 ug/l

RT: 12.85 min Scan# 3658

Delta R.T. 0.00 min

Lab File: VU033207.D

Acq: 12 Jul 2019 00:08

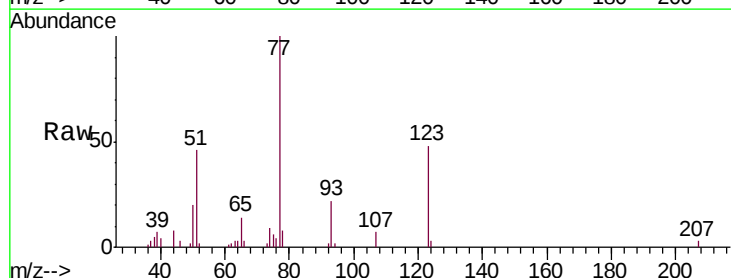
Tgt Ion: 77 Resp: 18377

Ion Ratio Lower Upper

77 100

123 46.3 20.9 74.1

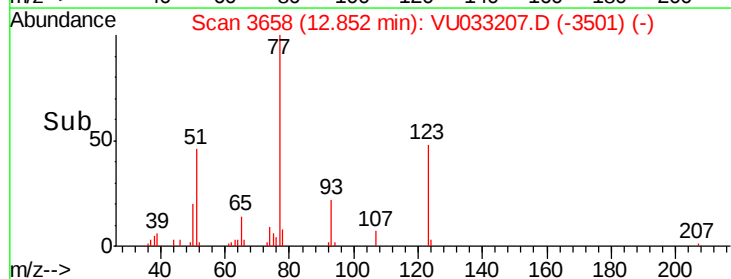
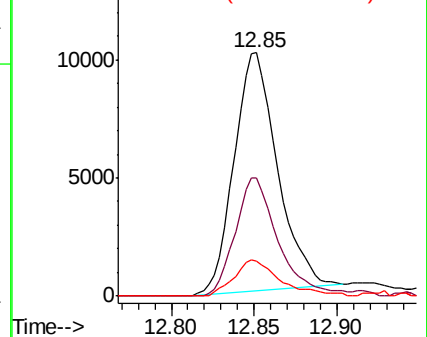
65 16.2 10.7 13.7#

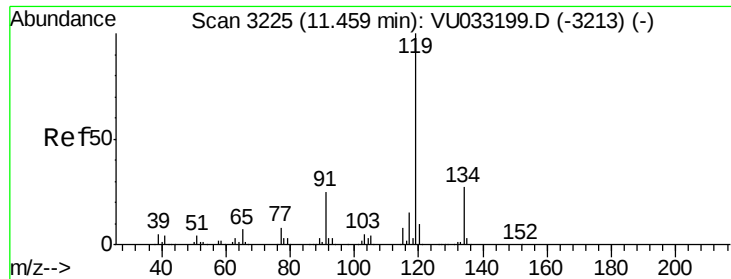


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0

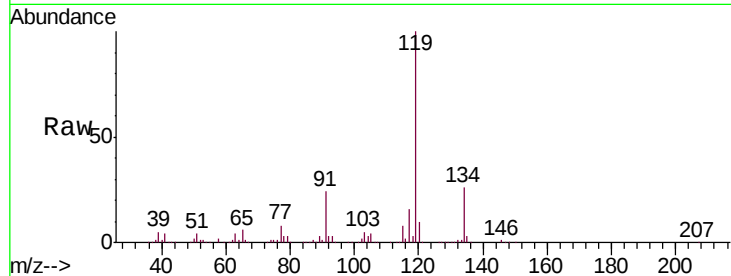




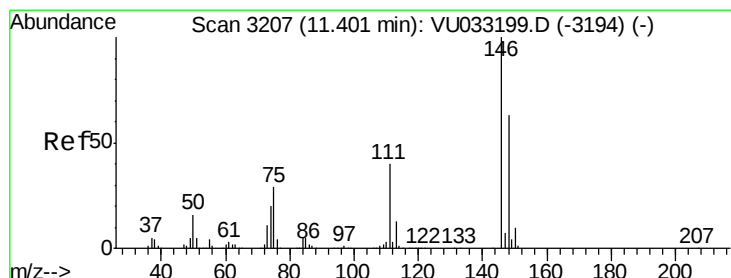
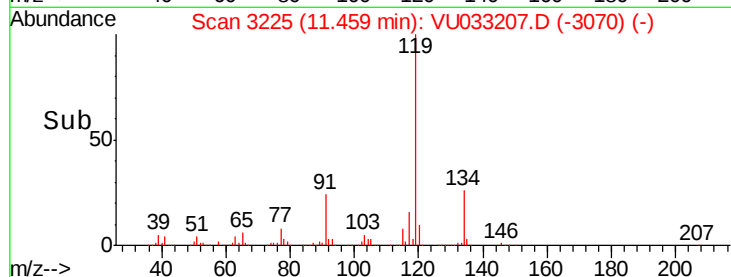
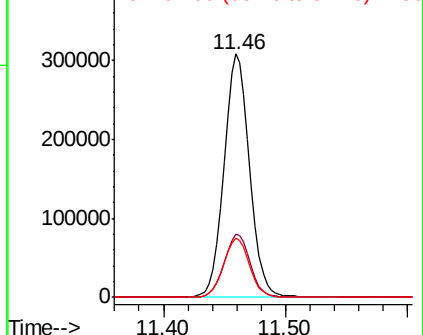
#81  
 p-Isopropyltoluene  
 Concen: 11.695 ug/l  
 RT: 11.46 min Scan# 3225  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:119 Resp: 452211  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 21.1 31.7  
 91 24.8 19.7 29.5

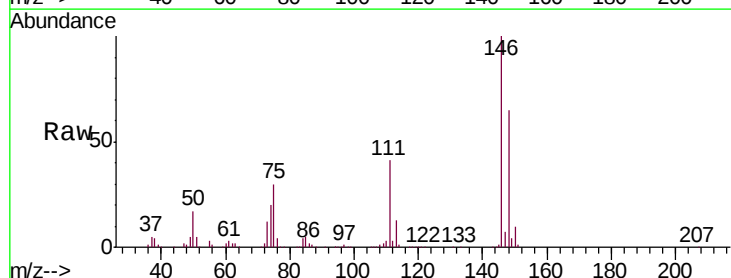


Abundance Ion 119.00 (118.70 to 119.70): V  
 Ion 134.00 (133.70 to 134.70): V  
 Ion 91.00 (90.70 to 91.70): V

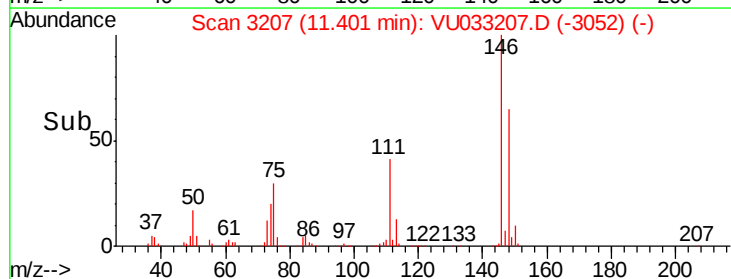
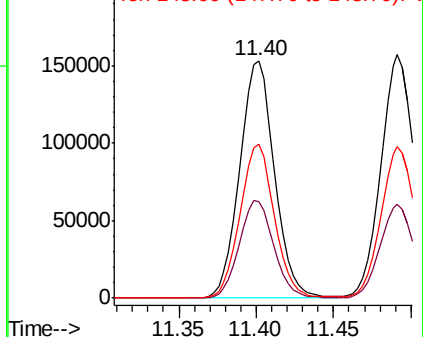


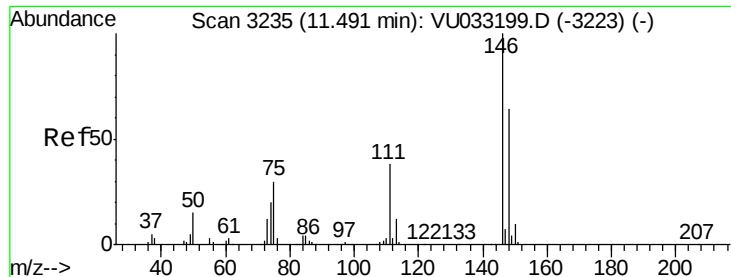
#82  
 1,3-Dichlorobenzene  
 Concen: 10.775 ug/l  
 RT: 11.40 min Scan# 3207  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion:146 Resp: 239737  
 Ion Ratio Lower Upper  
 146 100  
 111 40.9 32.2 48.4  
 148 64.1 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

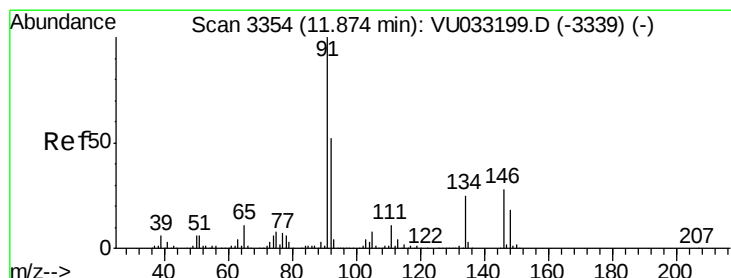
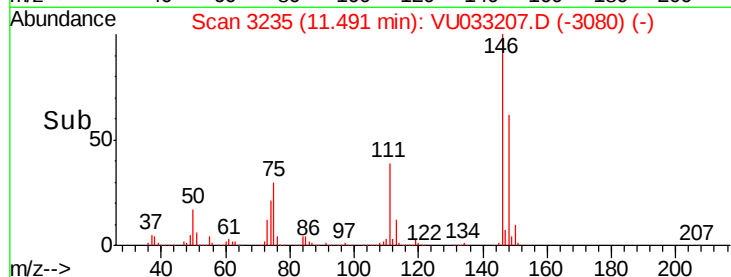
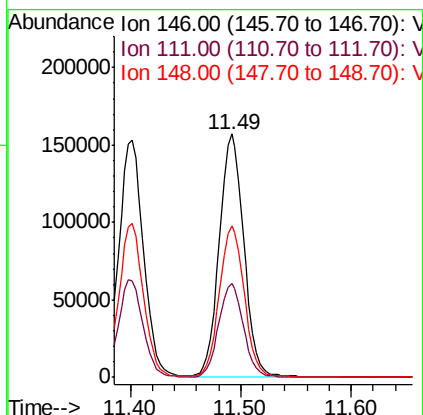
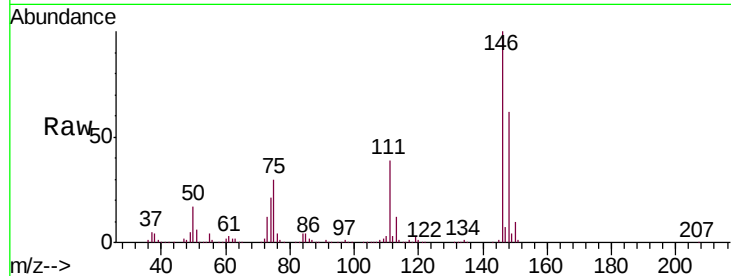




#83  
1,4-Dichlorobenzene  
Concen: 10.853 ug/l  
RT: 11.49 min Scan# 3235  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

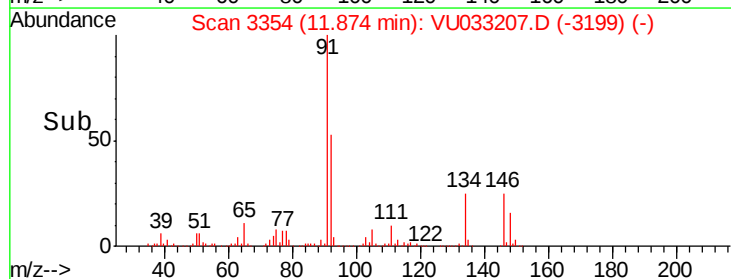
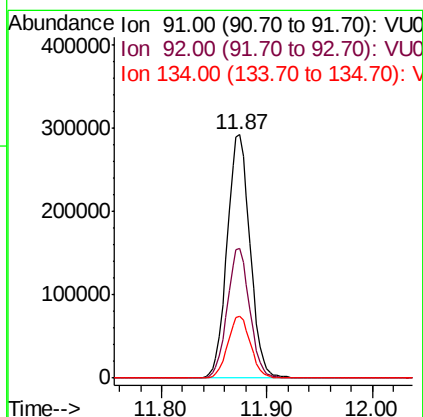
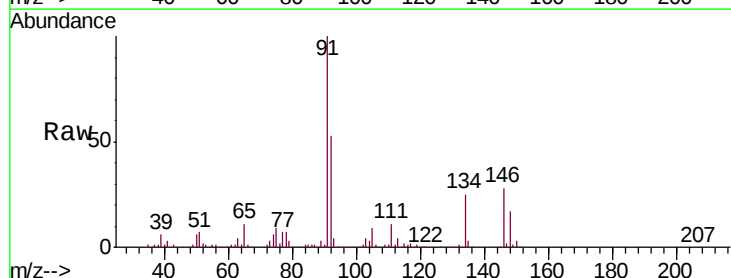
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

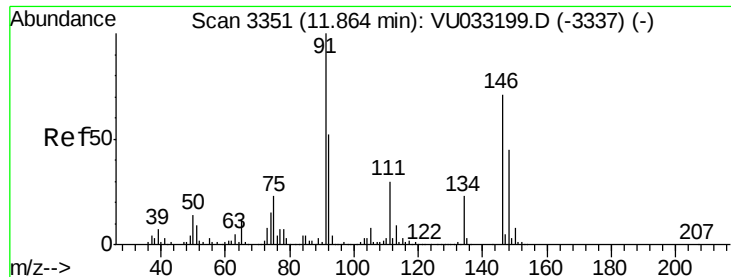
Tgt Ion: 146 Resp: 243116  
Ion Ratio Lower Upper  
146 100  
111 38.6 30.8 46.2  
148 62.9 50.6 76.0



#84  
n-Butylbenzene  
Concen: 11.379 ug/l  
RT: 11.87 min Scan# 3354  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion: 91 Resp: 438503  
Ion Ratio Lower Upper  
91 100  
92 52.1 41.5 62.3  
134 25.2 19.6 29.4

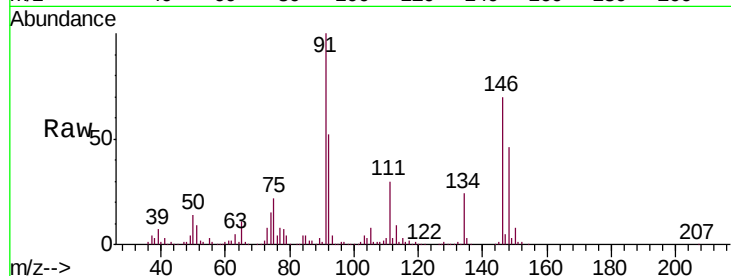




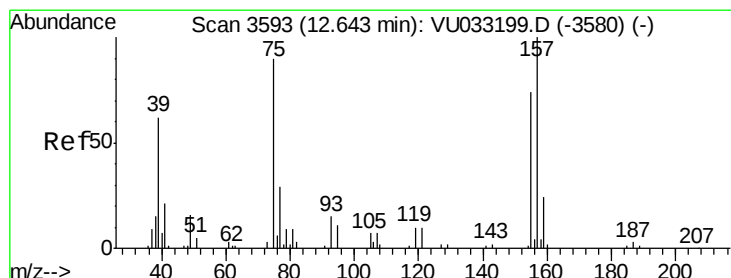
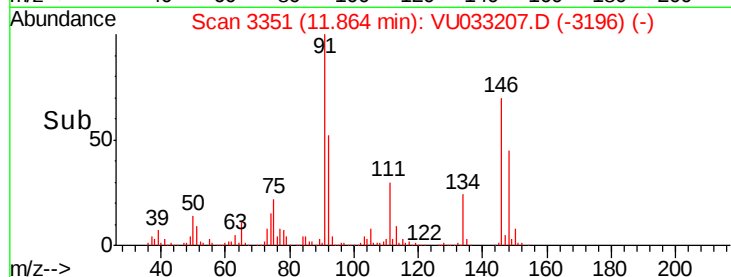
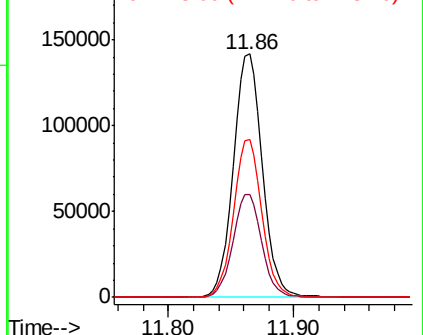
#85  
 1,2-Dichlorobenzene  
 Concen: 10.692 ug/l  
 RT: 11.86 min Scan# 3351  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 146 Resp: 227539  
 Ion Ratio Lower Upper  
 146 100  
 111 41.9 21.3 63.7  
 148 63.4 32.0 96.0

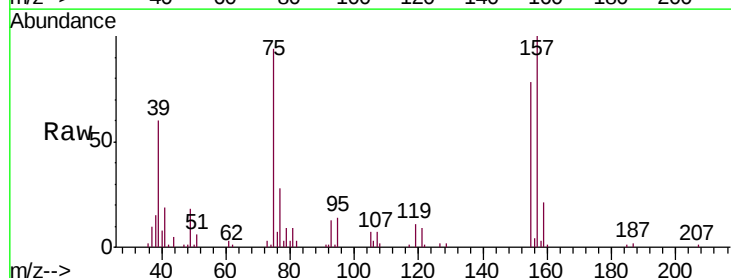


Abundance Ion 146.00 (145.70 to 146.70): V  
 Ion 111.00 (110.70 to 111.70): V  
 Ion 148.00 (147.70 to 148.70): V

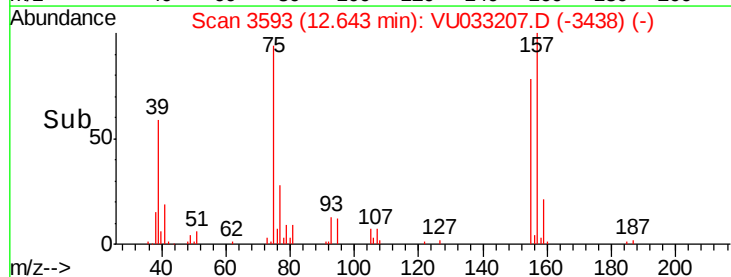
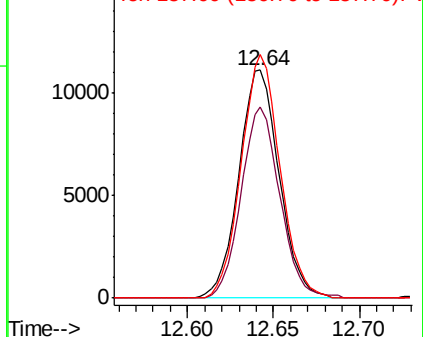


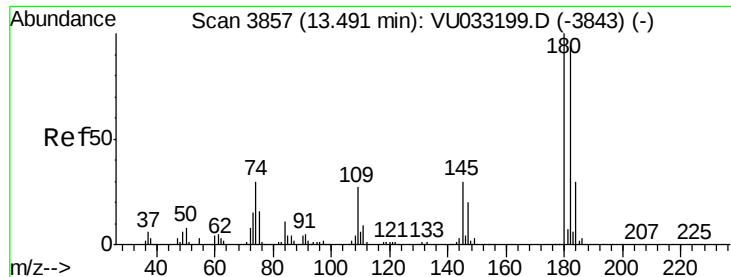
#86  
 1,2-Dibromo-3-Chloropropane  
 Concen: 10.812 ug/l  
 RT: 12.64 min Scan# 3593  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion: 75 Resp: 18179  
 Ion Ratio Lower Upper  
 75 100  
 155 80.2 60.6 90.8  
 157 102.4 82.5 123.7



Abundance Ion 75.00 (74.70 to 75.70): VU0  
 Ion 155.00 (154.70 to 155.70): V  
 Ion 157.00 (156.70 to 157.70): V

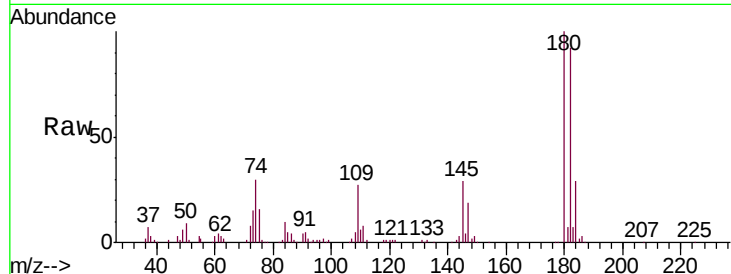




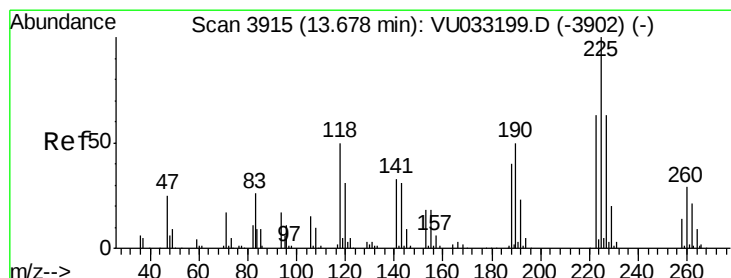
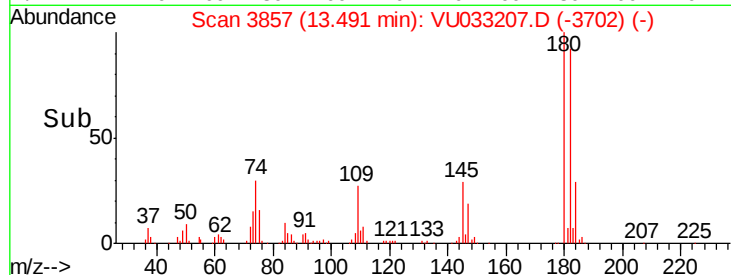
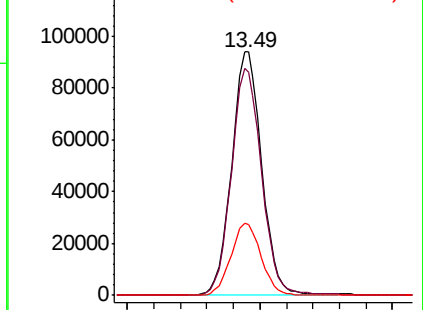
#87  
 1,2,4-Trichlorobenzene  
 Concen: 11.281 ug/l  
 RT: 13.49 min Scan# 3857  
 Delta R.T. -0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:180 Resp: 147819  
 Ion Ratio Lower Upper  
 180 100  
 182 94.5 75.4 113.2  
 145 30.1 24.5 36.7

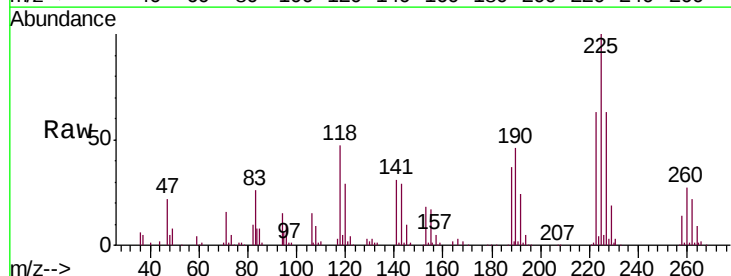


Abundance Ion 179.70 (179.40 to 180.40): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

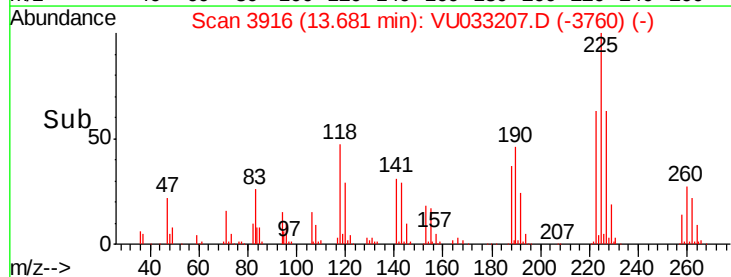
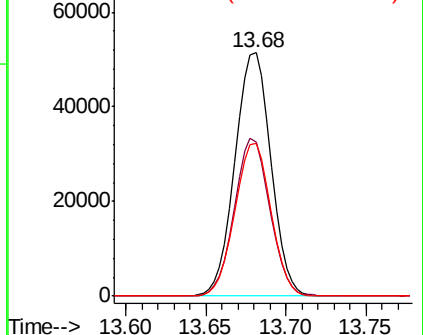


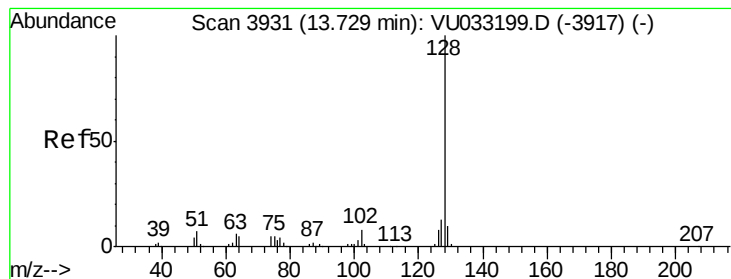
#88  
 Hexachlorobutadiene  
 Concen: 10.362 ug/l  
 RT: 13.68 min Scan# 3916  
 Delta R.T. 0.00 min  
 Lab File: VU033207.D  
 Acq: 12 Jul 2019 00:08

Tgt Ion:225 Resp: 78436  
 Ion Ratio Lower Upper  
 225 100  
 223 64.2 51.1 76.7  
 227 63.2 51.2 76.8



Abundance Ion 224.60 (224.30 to 225.30): V  
 Ion 222.60 (222.30 to 223.30): V  
 Ion 226.60 (226.30 to 227.30): V

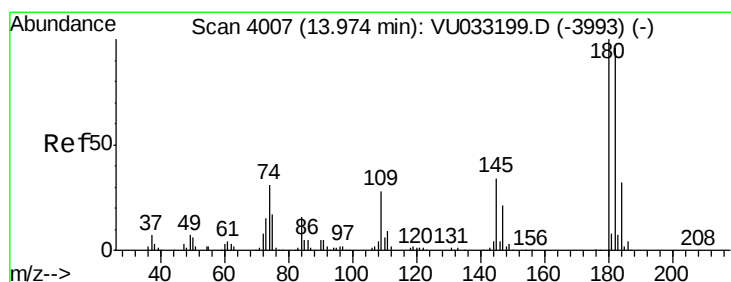
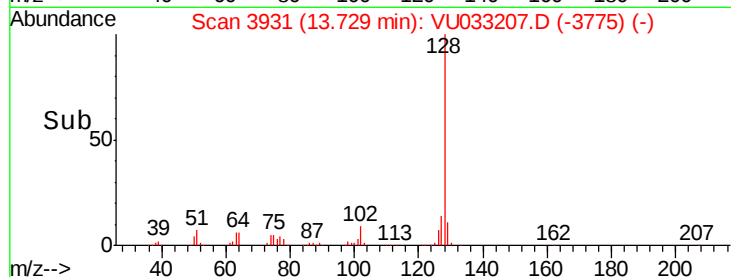
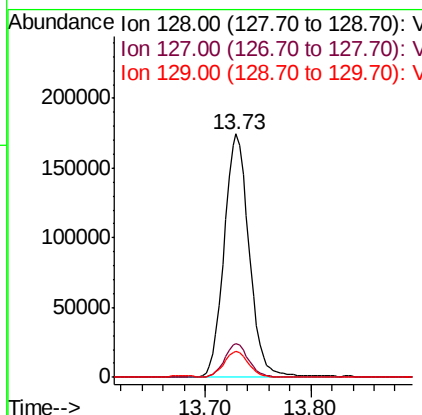
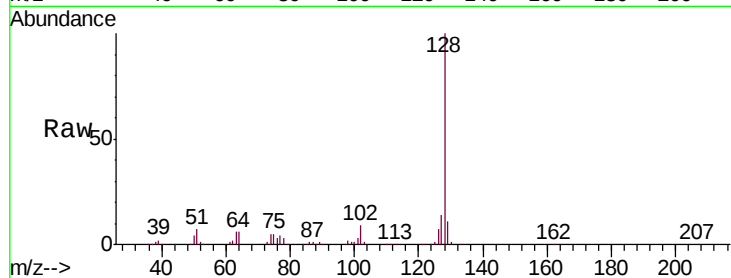




#89  
Naphthalene  
Concen: 9.731 ug/l  
RT: 13.73 min Scan# 3931  
Delta R.T. 0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion:128 Resp: 287030  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.4 15.6  
129 10.4 8.6 12.8



#90  
1,2,3-Trichlorobenzene  
Concen: 11.321 ug/l  
RT: 13.97 min Scan# 4007  
Delta R.T. -0.00 min  
Lab File: VU033207.D  
Acq: 12 Jul 2019 00:08

Tgt Ion:180 Resp: 141693  
Ion Ratio Lower Upper  
180 100  
182 93.2 76.2 114.4  
145 32.0 26.6 40.0

