

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122220\  
 Data File : VX020331.D  
 Acq On : 23 Dec 2020 02:46  
 Operator : JC/MD  
 Sample : L5095-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE135D2-20201211

Quant Time: Dec 23 05:06:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 18 13:09:49 2020  
 Response via : Initial Calibration

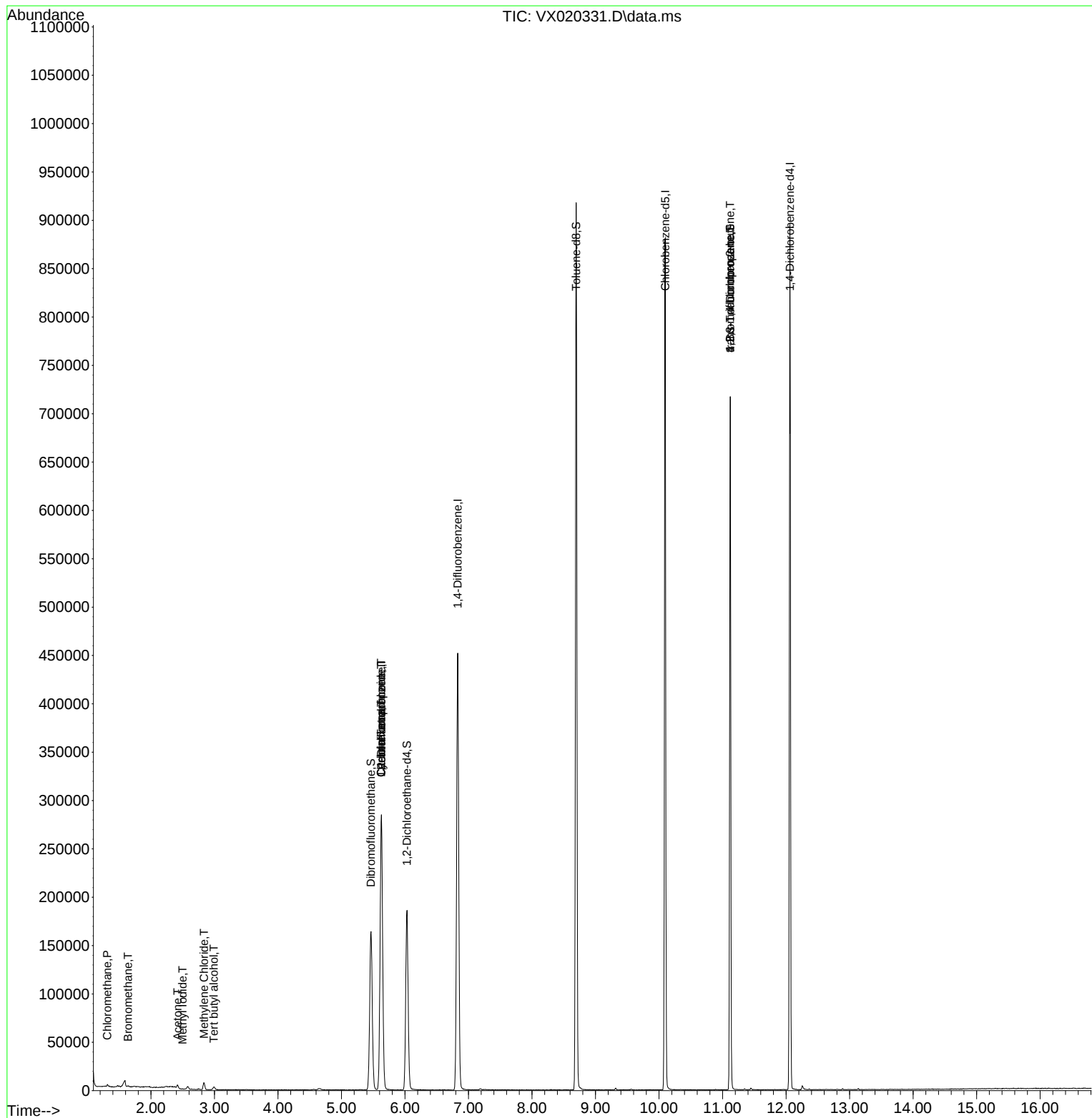
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 271199   | 50.00    | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.830  | 114   | 452143   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.097 | 117   | 414714   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.060 | 152   | 182097   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031  | 65    | 176142   | 48.45    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | =      | 96.90%   |
| 35) Dibromofluoromethane      | 5.464  | 113   | 143029   | 49.45    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | =      | 98.90%   |
| 50) Toluene-d8                | 8.695  | 98    | 541900   | 48.67    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | =      | 97.34%   |
| 62) 4-Bromofluorobenzene      | 11.122 | 95    | 192928   | 45.28    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | =      | 90.56%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.312  | 50    | 1182     | 0.35     | ug/l   | 99       |
| 5) Bromomethane               | 1.635  | 94    | 498      | 0.42     | ug/l   | 88       |
| 10) Methyl Iodide             | 2.495  | 142   | 122      | 3.32     | ug/l # | 42       |
| 11) Tert butyl alcohol        | 2.989  | 59    | 1835     | 2.25     | ug/l # | 73       |
| 16) Acetone                   | 2.416  | 43    | 3519     | 2.12     | ug/l   | 91       |
| 20) Methylene Chloride        | 2.836  | 84    | 3457     | 0.93     | ug/l   | 93       |
| 31) Cyclohexane               | 5.623  | 56    | 5083     | 1.01     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.623  | 75    | 21032    | 4.71     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 5.623  | 117   | 26445    | 6.22     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 11.122 | 75    | 93551    | 20.86    | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.122 | 75    | 93551    | 61.88    | ug/l # | 12       |
| -----                         |        |       |          |          |        |          |

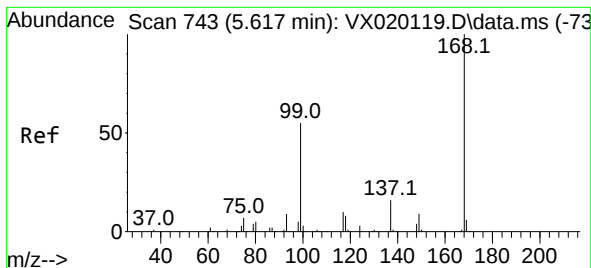
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
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Quant Time: Dec 23 05:06:52 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.629 min Scan# 745

Delta R.T. 0.012 min

Lab File: VX020331.D

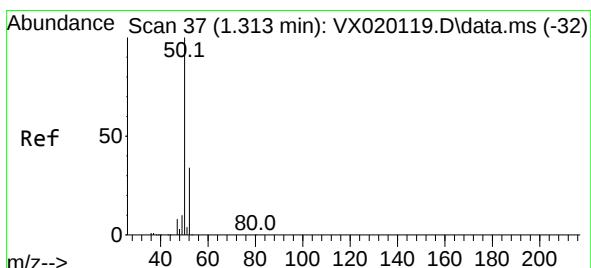
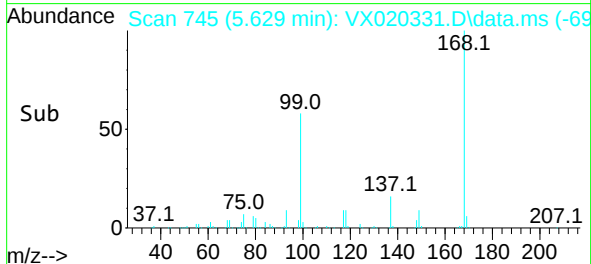
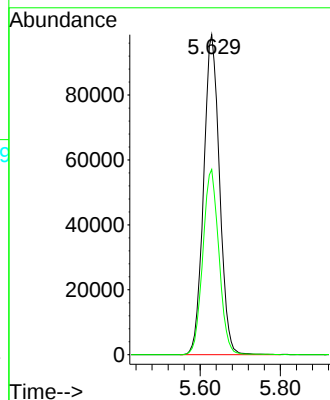
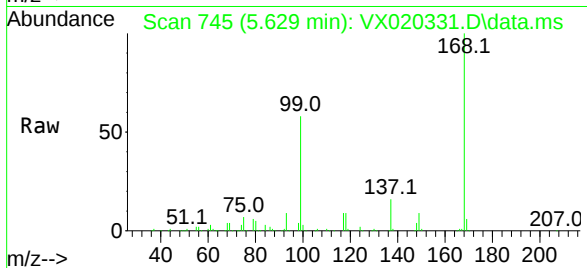
Acq: 23 Dec 2020 02:46

Tgt Ion:168 Resp: 271199

Ion Ratio Lower Upper

168 100

99 57.9 45.8 68.6



#3

Chloromethane

Concen: 0.35 ug/l

RT: 1.312 min Scan# 37

Delta R.T. -0.001 min

Lab File: VX020331.D

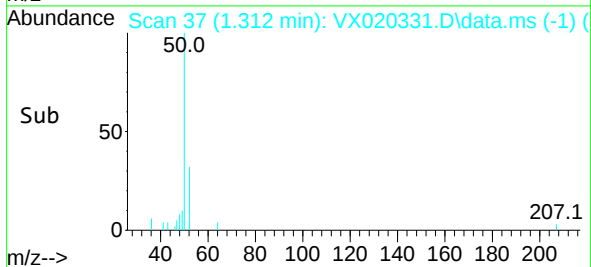
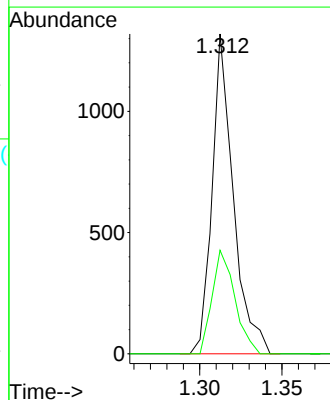
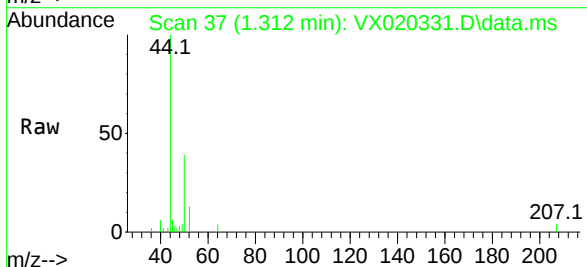
Acq: 23 Dec 2020 02:46

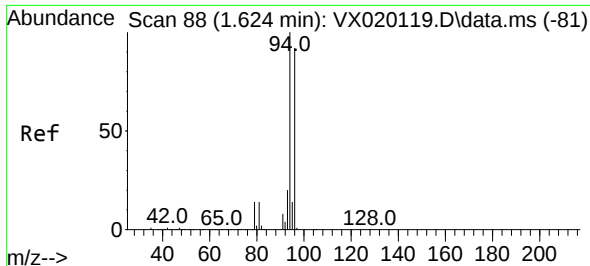
Tgt Ion: 50 Resp: 1182

Ion Ratio Lower Upper

50 100

52 32.4 26.4 39.6

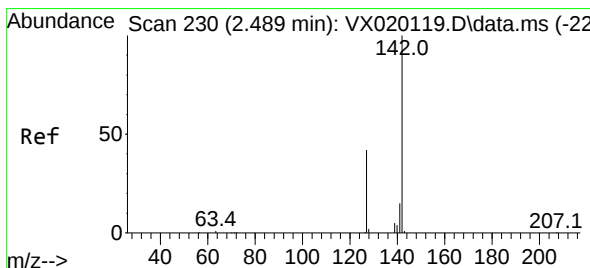
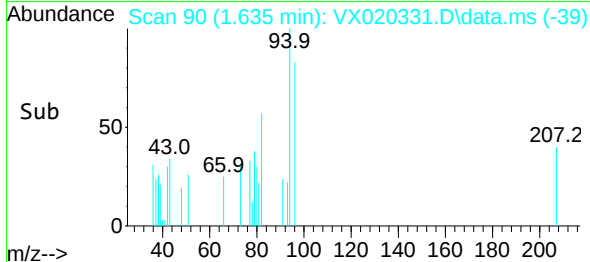
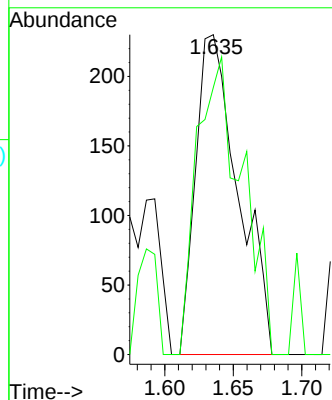
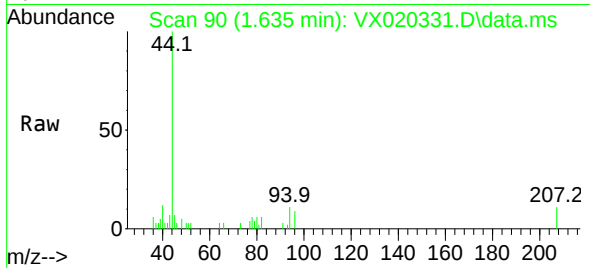




#5  
Bromomethane  
Concen: 0.42 ug/l  
RT: 1.635 min Scan# 90  
Delta R.T. 0.011 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

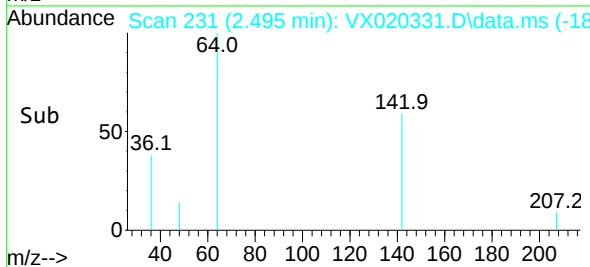
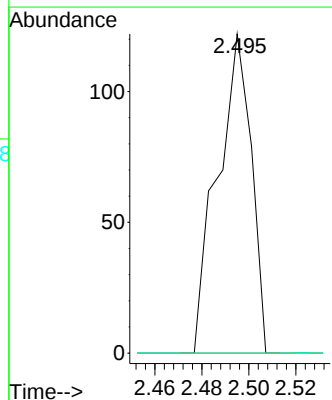
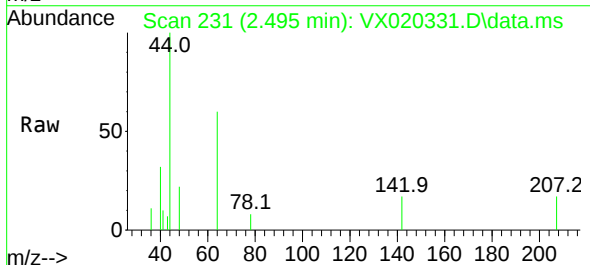
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE135D2-20201211

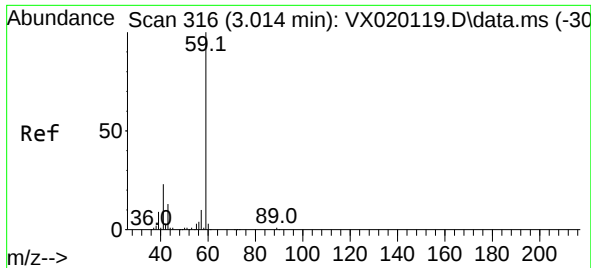
Tgt Ion: 94 Resp: 498  
Ion Ratio Lower Upper  
94 100  
96 83.5 76.4 114.6



#10  
Methyl Iodide  
Concen: 3.32 ug/l  
RT: 2.495 min Scan# 231  
Delta R.T. 0.006 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

Tgt Ion:142 Resp: 122  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#

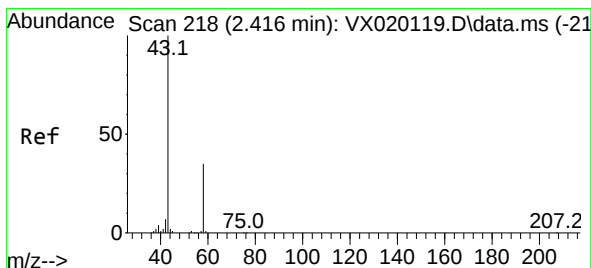
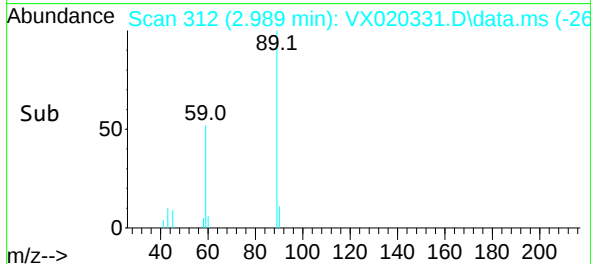
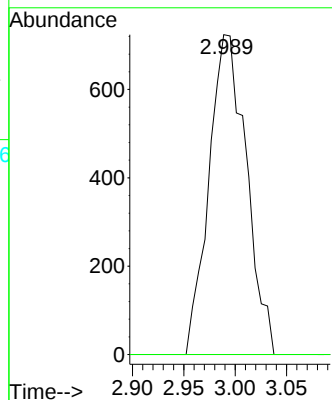
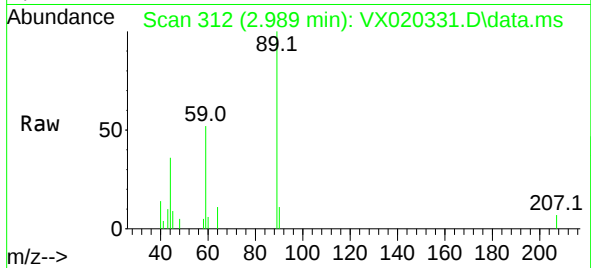




#11  
Tert butyl alcohol  
Concen: 2.25 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. -0.025 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

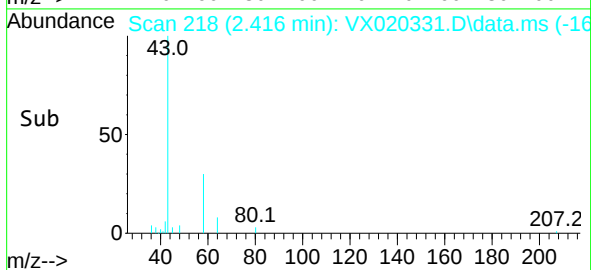
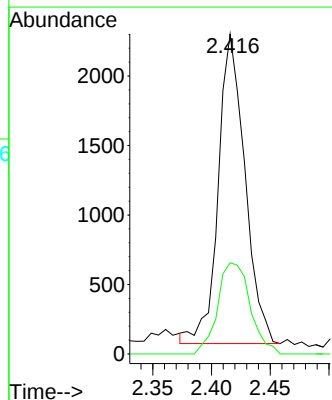
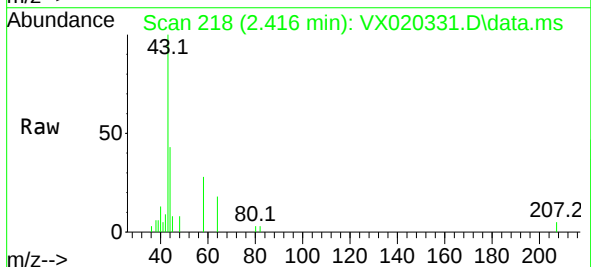
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE135D2-20201211

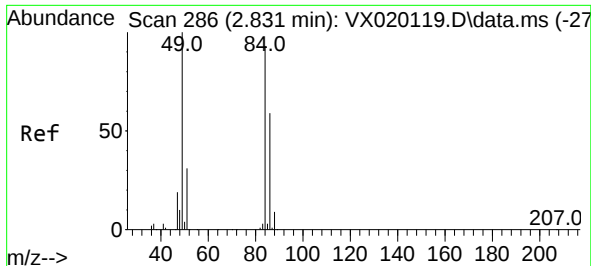
Tgt Ion: 59 Resp: 1835  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#16  
Acetone  
Concen: 2.12 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. -0.000 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

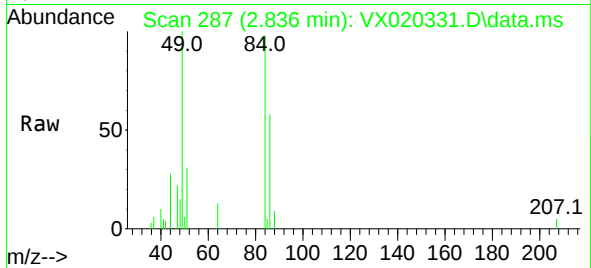
Tgt Ion: 43 Resp: 3519  
Ion Ratio Lower Upper  
43 100  
58 29.4 27.8 41.8



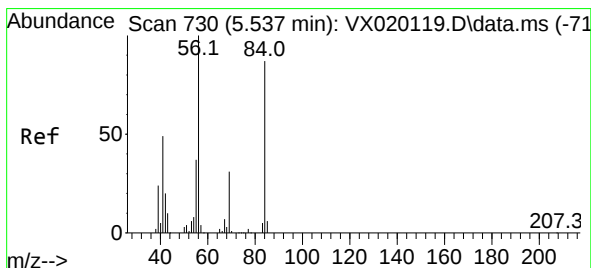
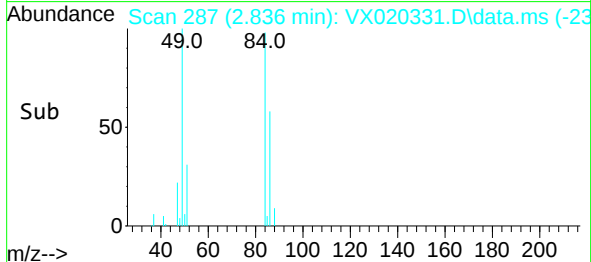
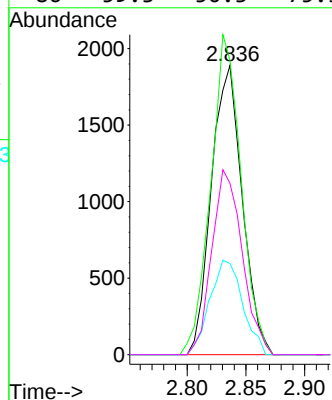


#20  
Methylene Chloride  
Concen: 0.93 ug/l  
RT: 2.836 min Scan# 287  
Delta R.T. 0.005 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE135D2-20201211

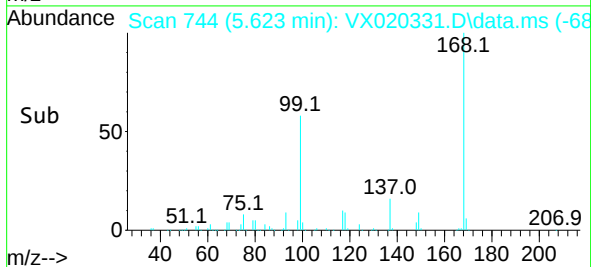
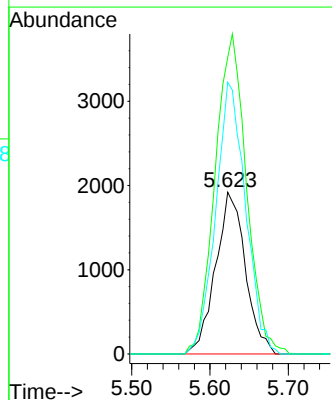
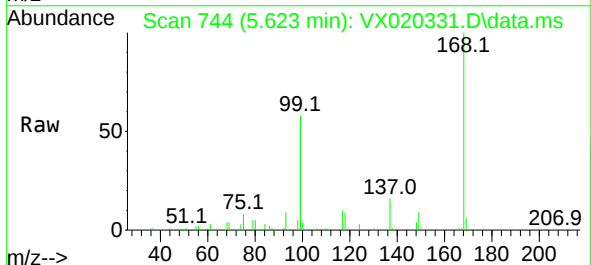


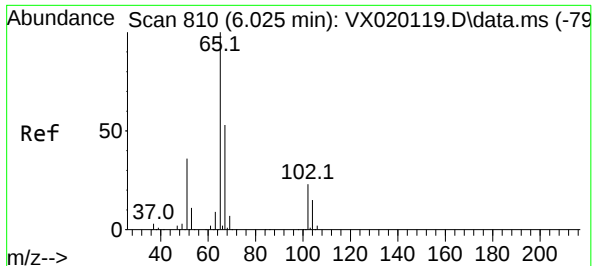
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 3457  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 101.7    | 88.6 132.8  |
| 51 31.5     | 27.0 40.6   |
| 86 59.3     | 50.3 75.5   |



#31  
Cyclohexane  
Concen: 1.01 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. 0.086 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

|             |             |
|-------------|-------------|
| Tgt Ion: 56 | Resp: 5083  |
| Ion Ratio   | Lower Upper |
| 56 100      |             |
| 69 183.2    | 25.3 37.9#  |
| 84 167.9    | 71.4 107.0# |





#33

1,2-Dichloroethane-d4

Concen: 48.45 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

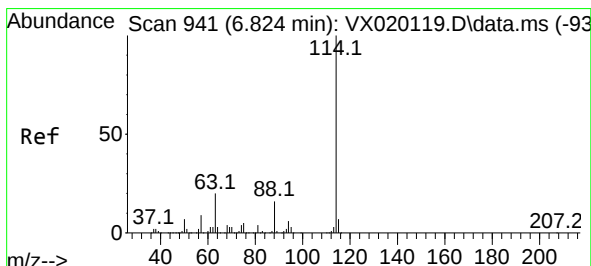
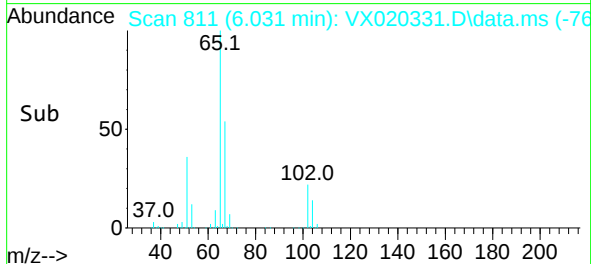
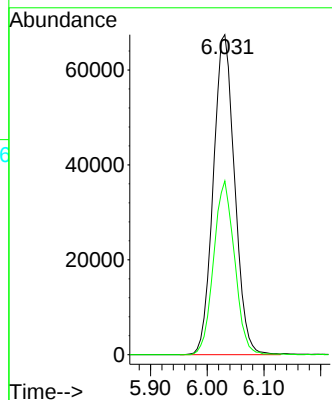
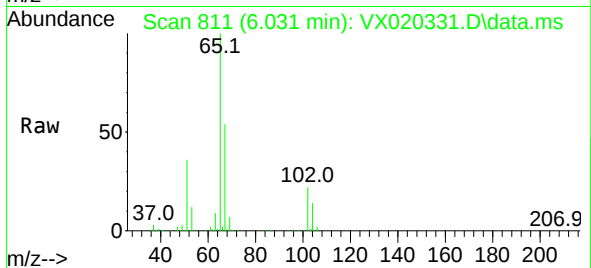
Lab File: VX020331.D

Acq: 23 Dec 2020 02:46

Tgt Ion: 65 Resp: 176142

Ion Ratio Lower Upper

|    |      |     |       |
|----|------|-----|-------|
| 65 | 100  |     |       |
| 67 | 53.4 | 0.0 | 105.4 |



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.006 min

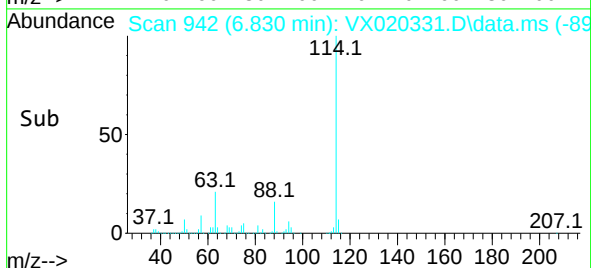
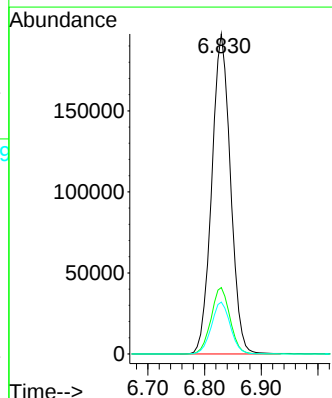
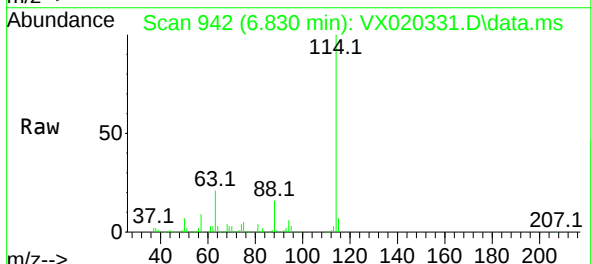
Lab File: VX020331.D

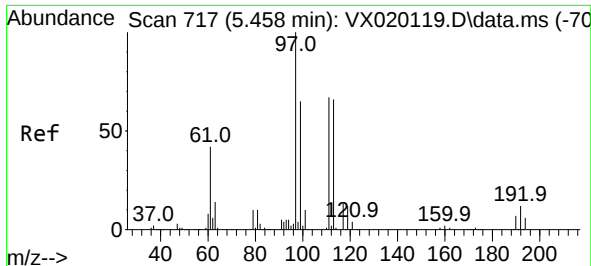
Acq: 23 Dec 2020 02:46

Tgt Ion: 114 Resp: 452143

Ion Ratio Lower Upper

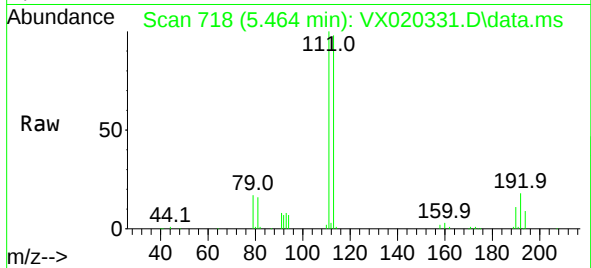
|     |      |     |      |
|-----|------|-----|------|
| 114 | 100  |     |      |
| 63  | 20.7 | 0.0 | 40.8 |
| 88  | 16.2 | 0.0 | 32.8 |



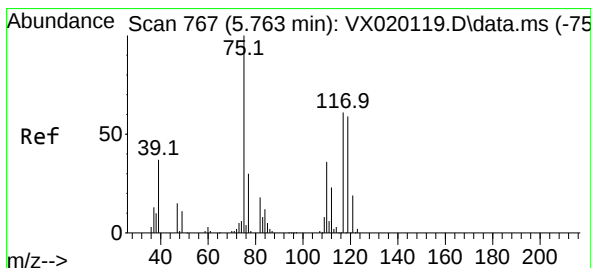
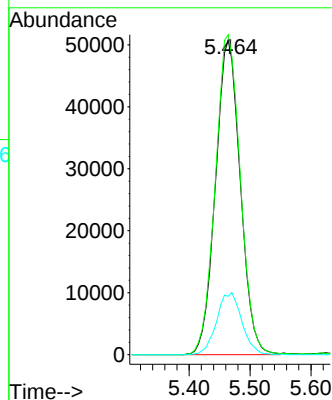
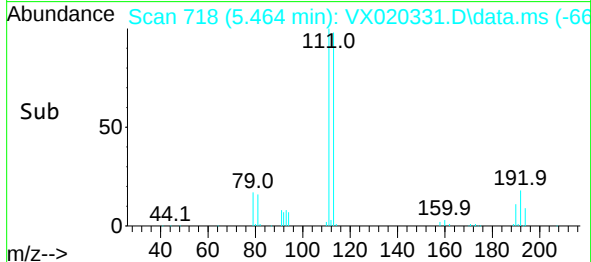


#35  
Dibromofluoromethane  
Concen: 49.45 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

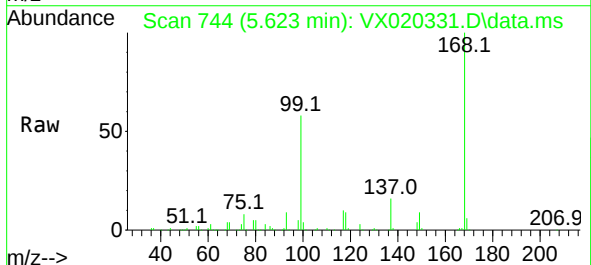
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE135D2-20201211



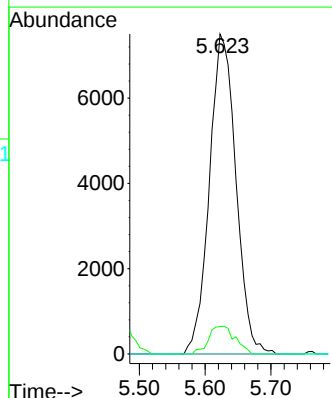
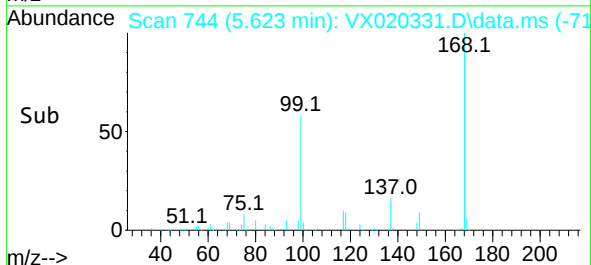
Tgt Ion:113 Resp: 143029  
Ion Ratio Lower Upper  
113 100  
111 103.2 81.9 122.9  
192 20.1 16.7 25.1

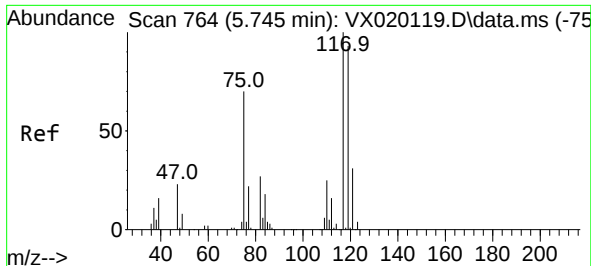


#36  
1,1-Dichloropropene  
Concen: 4.71 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.140 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46



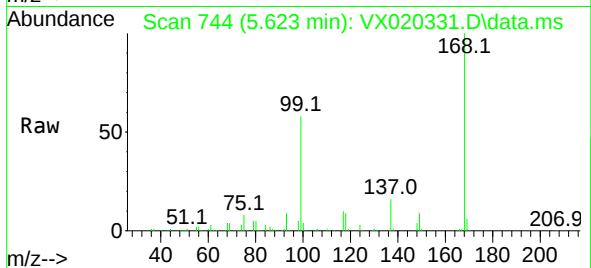
Tgt Ion: 75 Resp: 21032  
Ion Ratio Lower Upper  
75 100  
110 8.7 18.1 54.4#  
77 0.0 25.3 37.9#



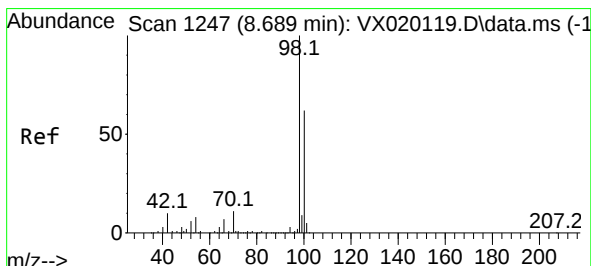
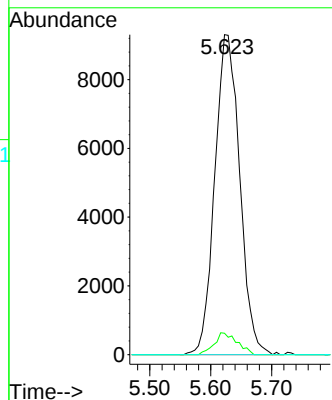
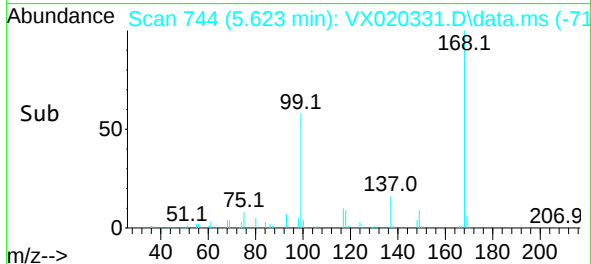


#38  
Carbon Tetrachloride  
Concen: 6.22 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.122 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

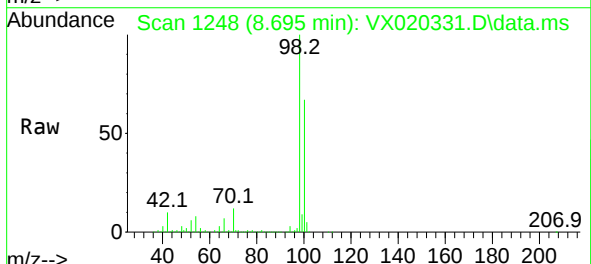
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE135D2-20201211



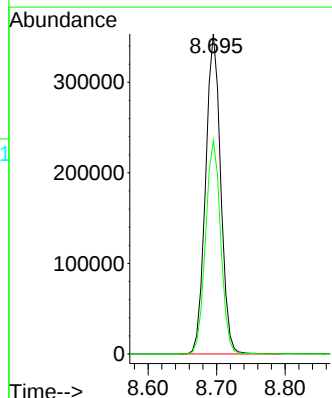
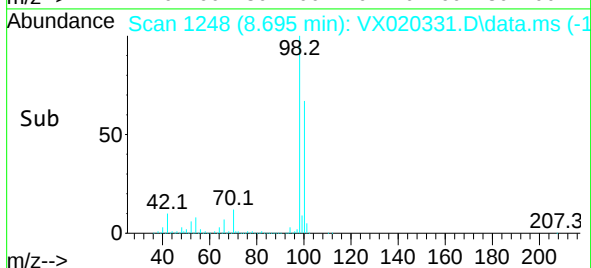
Tgt Ion:117 Resp: 26445  
Ion Ratio Lower Upper  
117 100  
119 6.7 76.2 114.2#  
121 0.0 24.8 37.2#

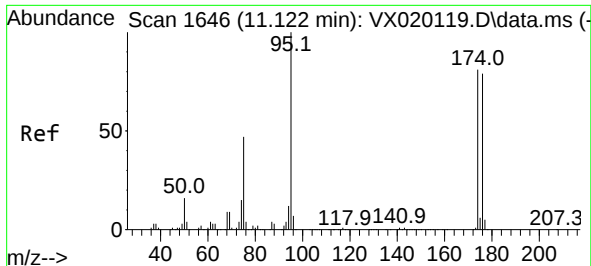


#50  
Toluene-d8  
Concen: 48.67 ug/l  
RT: 8.695 min Scan# 1248  
Delta R.T. 0.006 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46



Tgt Ion: 98 Resp: 541900  
Ion Ratio Lower Upper  
98 100  
100 66.7 51.9 77.9

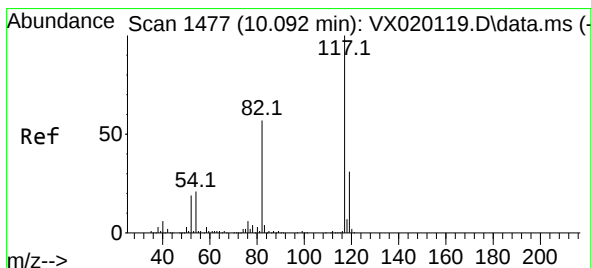
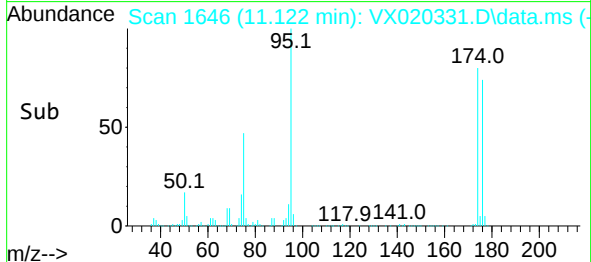
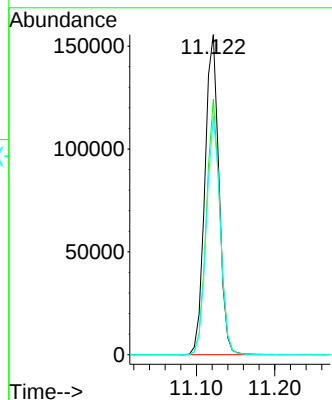
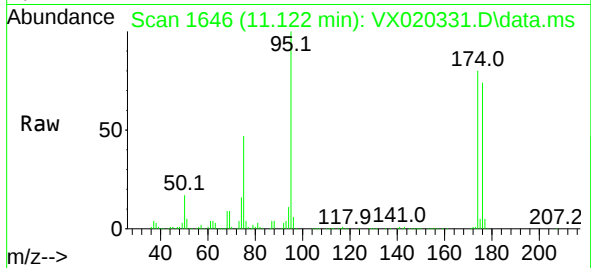




#62  
4-Bromofluorobenzene  
Concen: 45.28 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

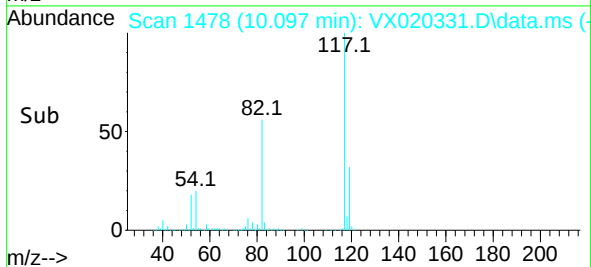
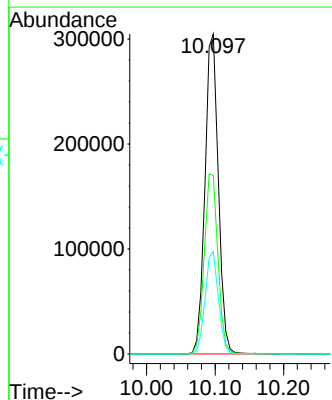
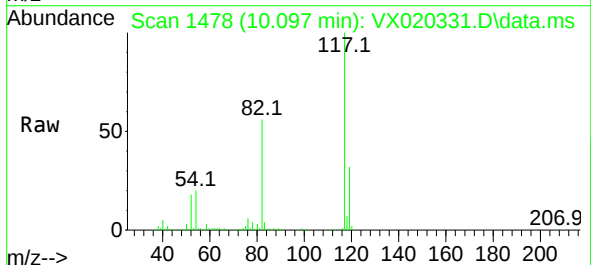
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE135D2-20201211

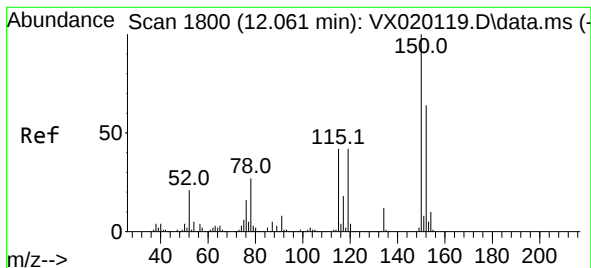
Tgt Ion: 95 Resp: 192928  
Ion Ratio Lower Upper  
95 100  
174 77.4 0.0 154.6  
176 73.5 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.097 min Scan# 1478  
Delta R.T. 0.005 min  
Lab File: VX020331.D  
Acq: 23 Dec 2020 02:46

Tgt Ion: 117 Resp: 414714  
Ion Ratio Lower Upper  
117 100  
82 55.8 47.4 71.2  
119 32.0 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.060 min Scan# 1800

Delta R.T. -0.001 min

Lab File: VX020331.D

Acq: 23 Dec 2020 02:46

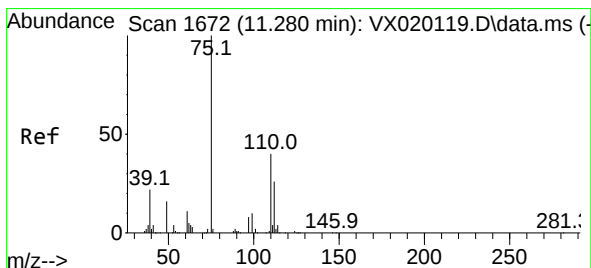
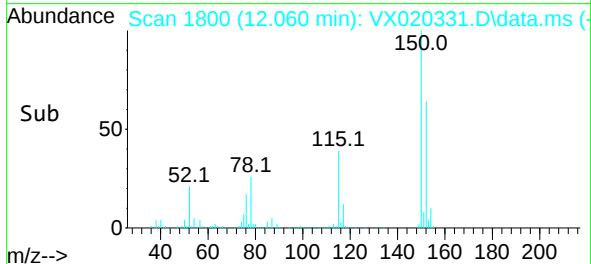
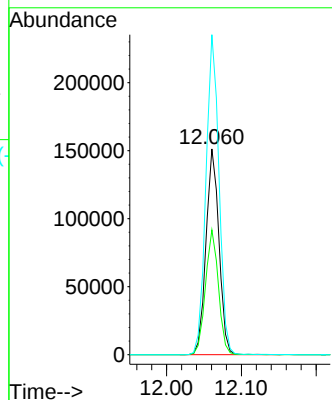
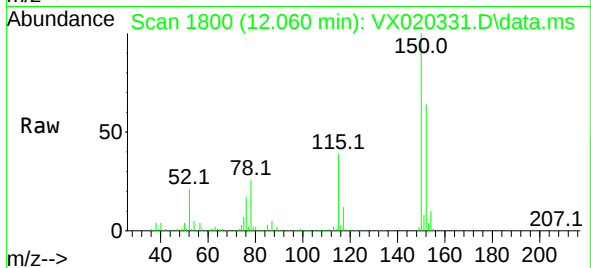
Tgt Ion:152 Resp: 182097

Ion Ratio Lower Upper

152 100

115 60.4 41.1 123.3

150 156.6 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 20.86 ug/l

RT: 11.122 min Scan# 1646

Delta R.T. -0.158 min

Lab File: VX020331.D

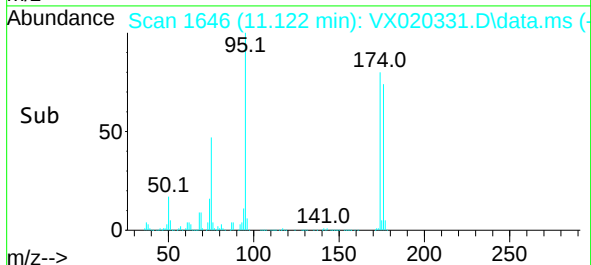
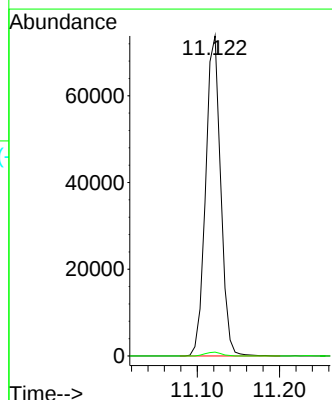
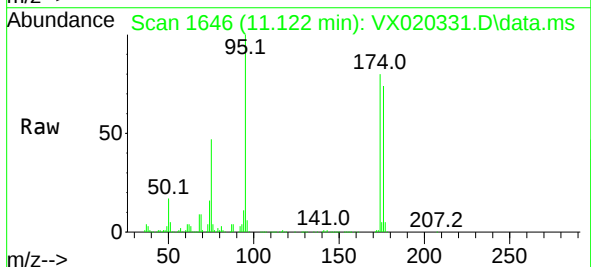
Acq: 23 Dec 2020 02:46

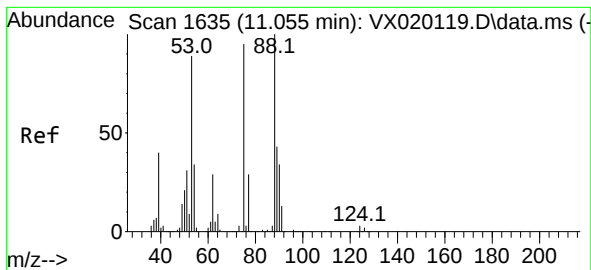
Tgt Ion: 75 Resp: 93551

Ion Ratio Lower Upper

75 100

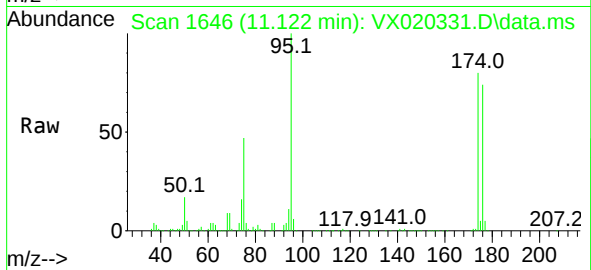
77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.88 ug/l  
 RT: 11.122 min Scan# 1646  
 Delta R.T. 0.067 min  
 Lab File: VX020331.D  
 Acq: 23 Dec 2020 02:46

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE135D2-20201211



Tgt Ion: 75 Resp: 93551  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 74.5 111.7#  
 89 0.0 37.9 56.9#

