

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121920\  
 Data File : VX020171.D  
 Acq On : 19 Dec 2020 15:14  
 Operator : JC/MD  
 Sample : L5053-12 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE126D2-20201209DL

Quant Time: Dec 21 02:32:53 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

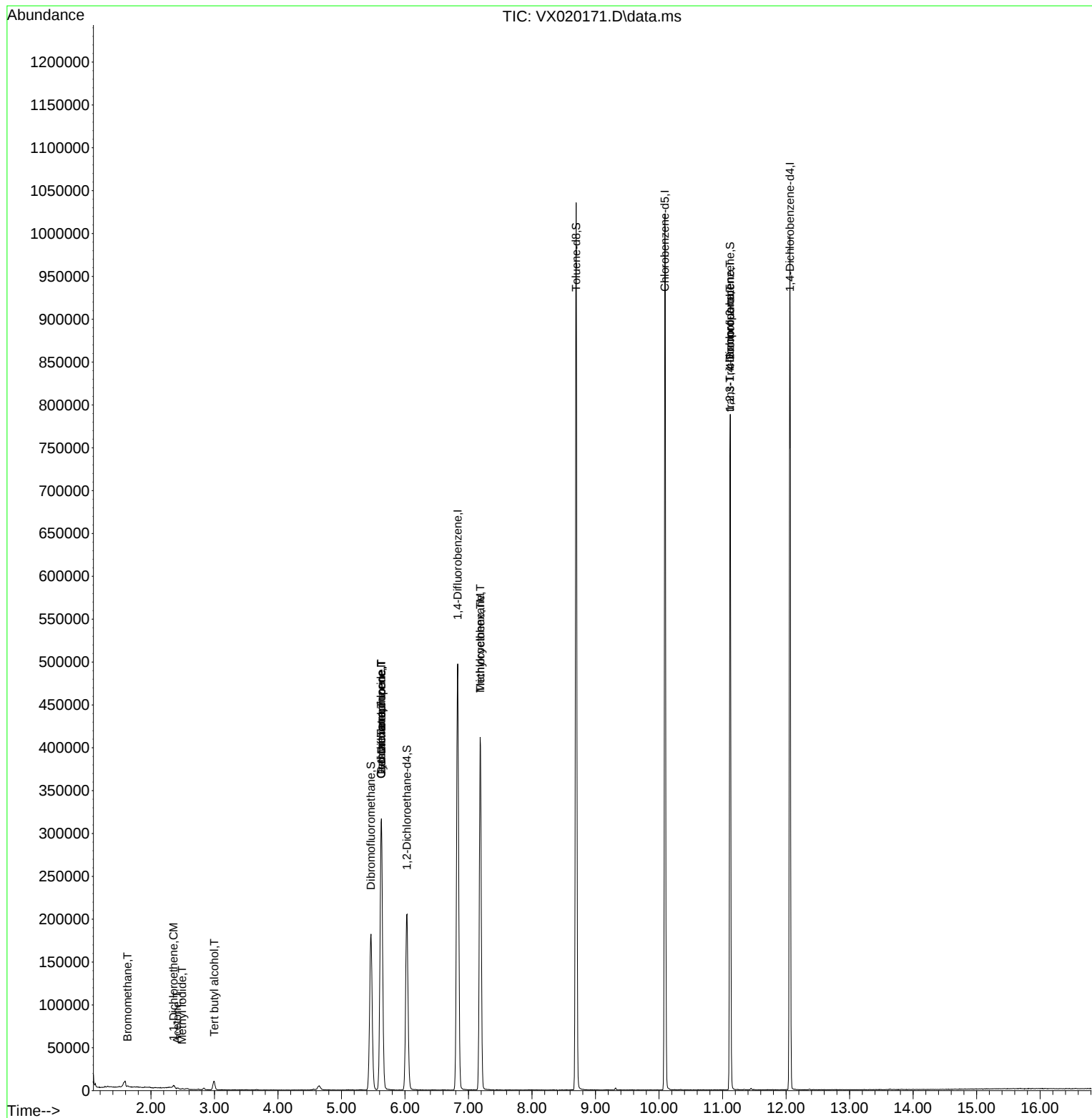
| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| -----                         |                |      |            |        |        |          |
| Internal Standards            |                |      |            |        |        |          |
| 1) Pentafluorobenzene         | 5.629          | 168  | 301934     | 50.00  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.830          | 114  | 505072     | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.092         | 117  | 469495     | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061         | 152  | 203742     | 50.00  | ug/l   | 0.00     |
|                               |                |      |            |        |        |          |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 6.031          | 65   | 196759     | 48.62  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 61 - 141 |      | Recovery = | 97.24% |        |          |
| 35) Dibromofluoromethane      | 5.464          | 113  | 158236     | 48.97  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 69 - 133 |      | Recovery = | 97.94% |        |          |
| 50) Toluene-d8                | 8.696          | 98   | 616022     | 49.53  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 126 |      | Recovery = | 99.06% |        |          |
| 62) 4-Bromofluorobenzene      | 11.122         | 95   | 217009     | 45.59  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 135 |      | Recovery = | 91.18% |        |          |
|                               |                |      |            |        |        |          |
| Target Compounds              |                |      |            |        |        | Qvalue   |
| 5) Bromomethane               | 1.630          | 94   | 677        | 0.51   | ug/l   | 86       |
| 10) Methyl Iodide             | 2.489          | 142  | 838        | 3.48   | ug/l # | 92       |
| 11) Tert butyl alcohol        | 2.995          | 59   | 6167       | 6.80   | ug/l # | 73       |
| 12) 1,1-Dichloroethene        | 2.355          | 96   | 630        | 0.20   | ug/l # | 84       |
| 16) Acetone                   | 2.410          | 43   | 1254       | 0.68   | ug/l   | 92       |
| 31) Cyclohexane               | 5.623          | 56   | 5797       | 1.04   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.629          | 75   | 23295      | 4.67   | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.623          | 117  | 30058      | 6.33   | ug/l # | 17       |
| 39) Methylcyclohexane         | 7.184          | 83   | 2121       | 0.37   | ug/l # | 1        |
| 44) Trichloroethene           | 7.184          | 130  | 162592     | 40.48  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.116         | 75   | 106332     | 21.19  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.116         | 75   | 106332     | 62.86  | ug/l # | 12       |
| -----                         |                |      |            |        |        |          |

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

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Sample : L5053-12 10X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20201209DL

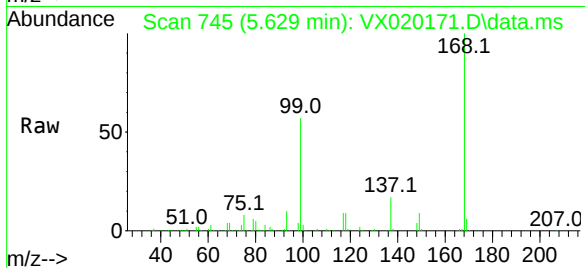
Quant Time: Dec 21 02:32:53 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X121820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 18 13:09:49 2020  
Response via : Initial Calibration



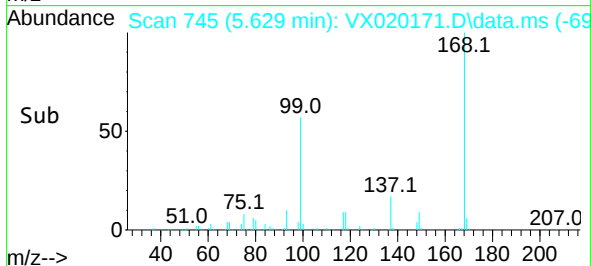
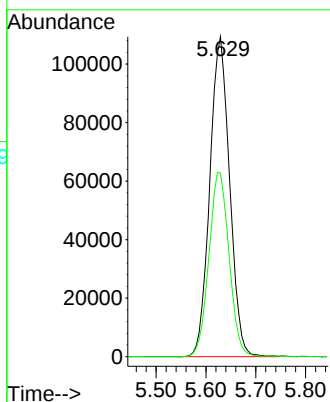


#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.012 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20201209DL

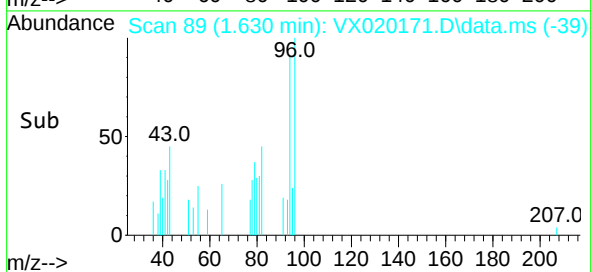
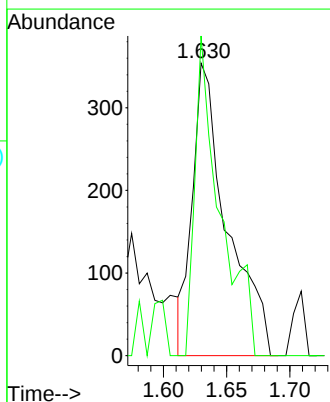
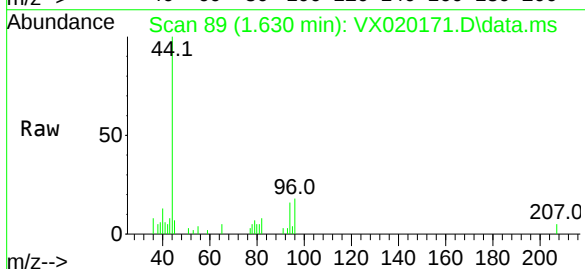


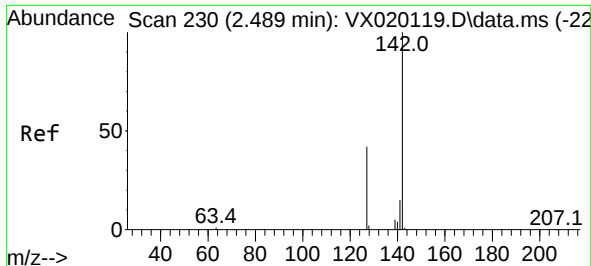
Tgt Ion:168 Resp: 301934  
Ion Ratio Lower Upper  
168 100  
99 57.4 45.8 68.6



#5  
Bromomethane  
Concen: 0.51 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.006 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

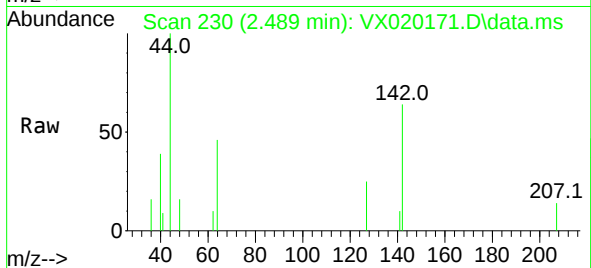
Tgt Ion: 94 Resp: 677  
Ion Ratio Lower Upper  
94 100  
96 109.3 76.4 114.6



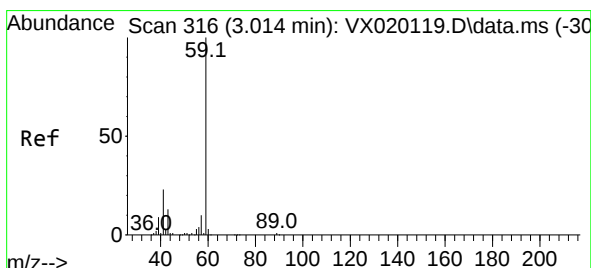
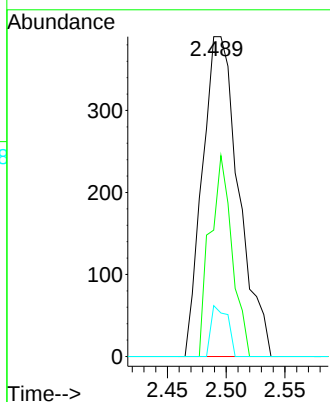
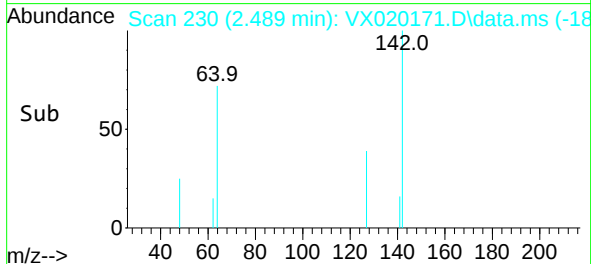


#10  
Methyl Iodide  
Concen: 3.48 ug/l  
RT: 2.489 min Scan# 230  
Delta R.T. 0.000 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

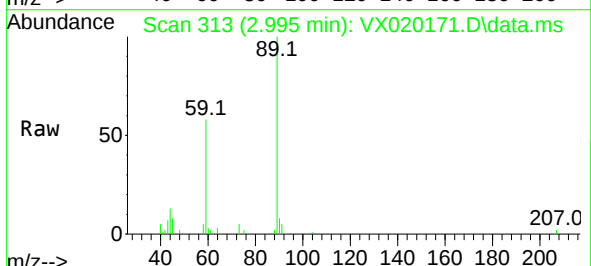
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20201209DL



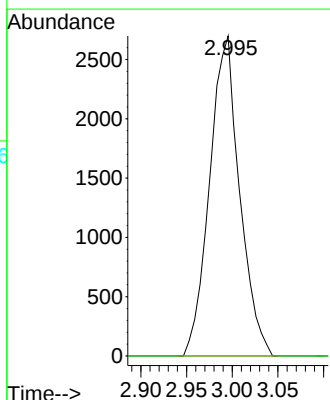
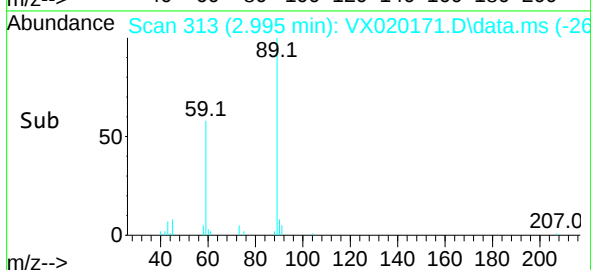
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 838   |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 38.1  | 33.3  | 49.9  |
| 141      | 7.3   | 11.4  | 17.0# |

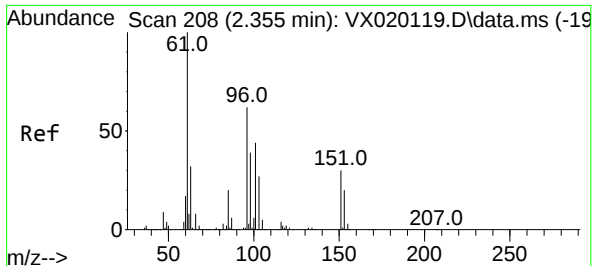


#11  
Tert butyl alcohol  
Concen: 6.80 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.019 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 59    | Resp: | 6167  |
| Ion      | Ratio | Lower | Upper |
| 59       | 100   |       |       |
| 57       | 0.0   | 7.8   | 11.8# |





#12

1,1-Dichloroethene

Concen: 0.20 ug/l

RT: 2.355 min Scan# 208

Delta R.T. 0.000 min

Lab File: VX020171.D

Acq: 19 Dec 2020 15:14

Tgt Ion: 96 Resp: 630

Ion Ratio Lower Upper

96 100

61 136.3 124.6 187.0

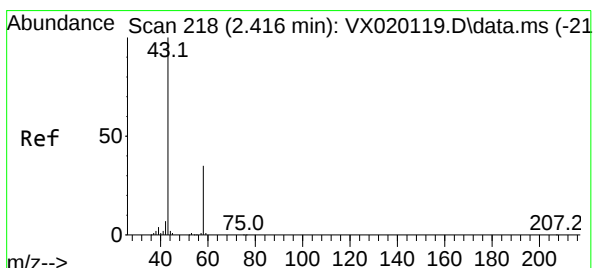
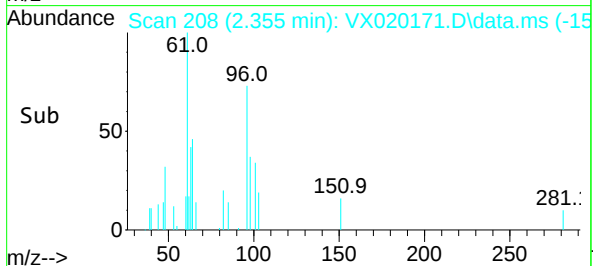
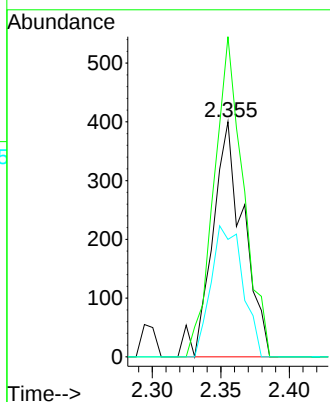
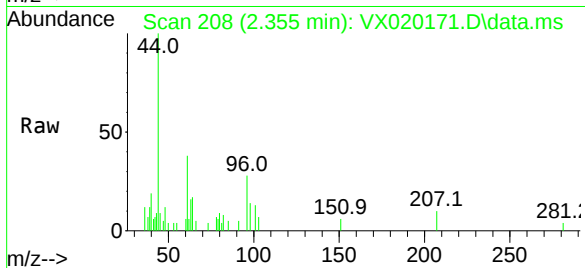
98 50.0 50.6 76.0#

Instrument :

MSVOA\_X

ClientSampleId :

RE126D2-20201209DL



#16

Acetone

Concen: 0.68 ug/l

RT: 2.410 min Scan# 217

Delta R.T. -0.006 min

Lab File: VX020171.D

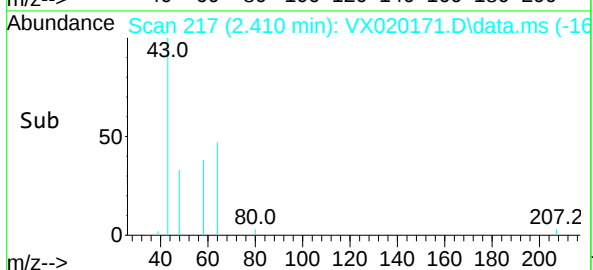
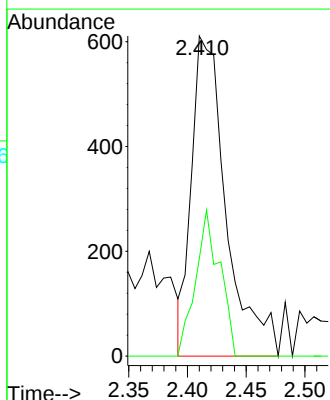
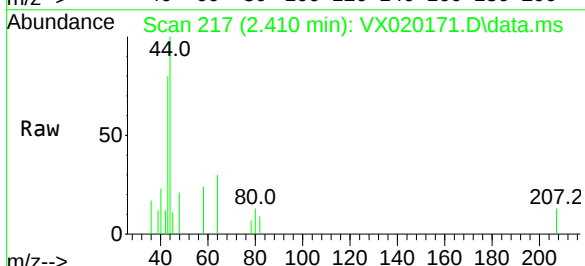
Acq: 19 Dec 2020 15:14

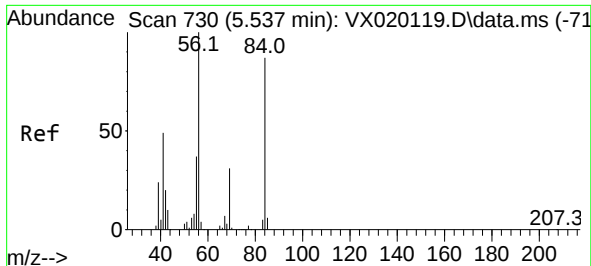
Tgt Ion: 43 Resp: 1254

Ion Ratio Lower Upper

43 100

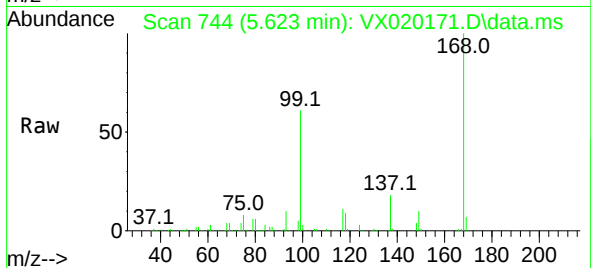
58 30.4 27.8 41.8



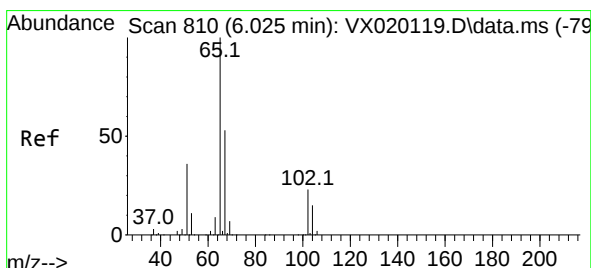
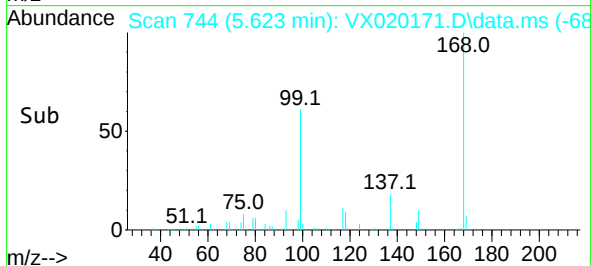
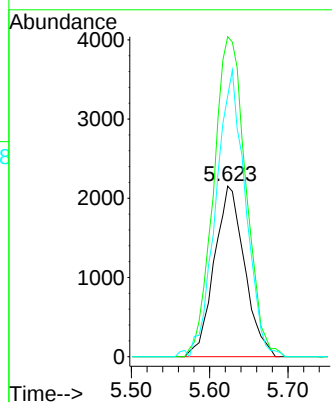


#31  
Cyclohexane  
Concen: 1.04 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. 0.086 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20201209DL

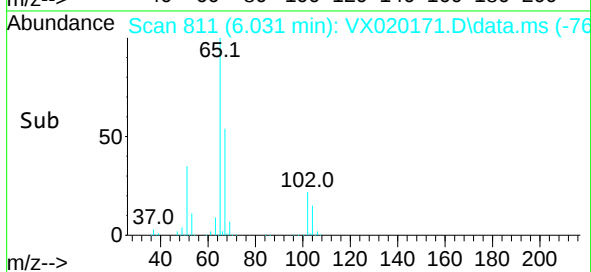
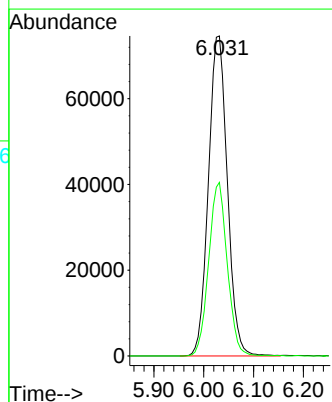
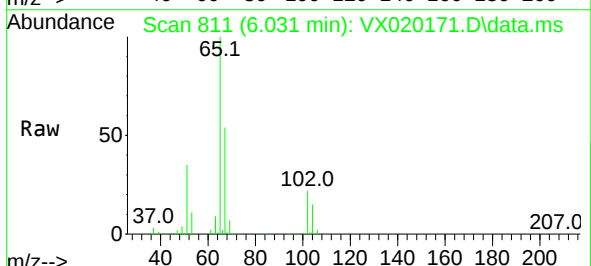


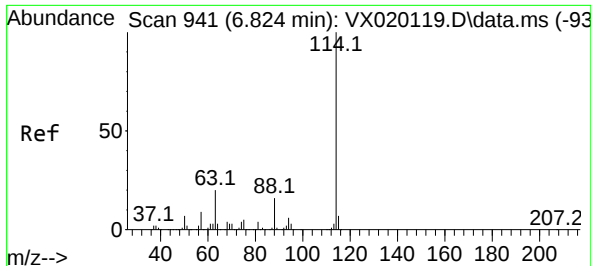
Tgt Ion: 56 Resp: 5797  
Ion Ratio Lower Upper  
56 100  
69 187.5 25.3 37.9#  
84 150.3 71.4 107.0#



#33  
1,2-Dichloroethane-d4  
Concen: 48.62 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

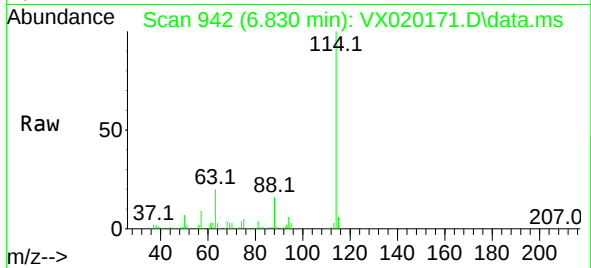
Tgt Ion: 65 Resp: 196759  
Ion Ratio Lower Upper  
65 100  
67 53.3 0.0 105.4



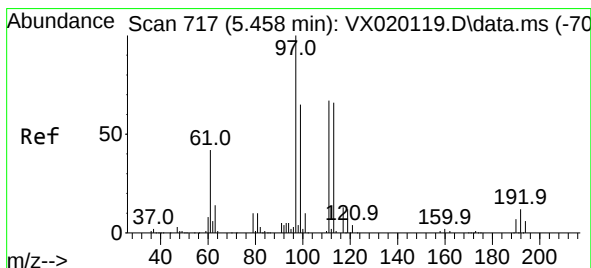
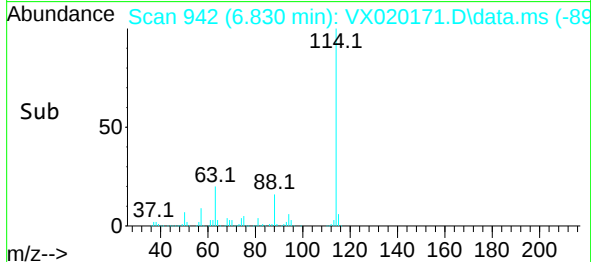
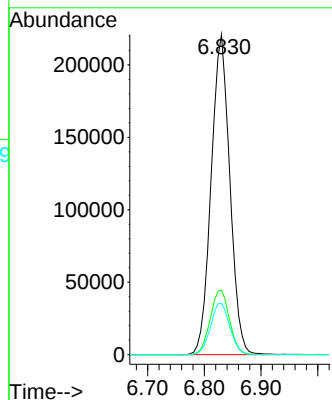


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
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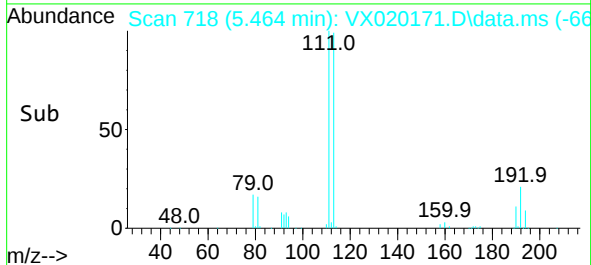
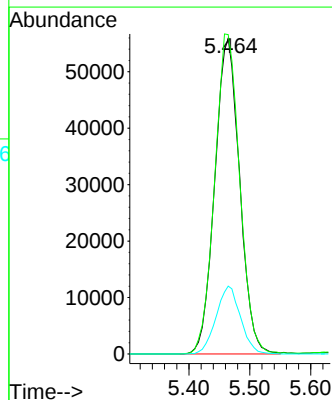
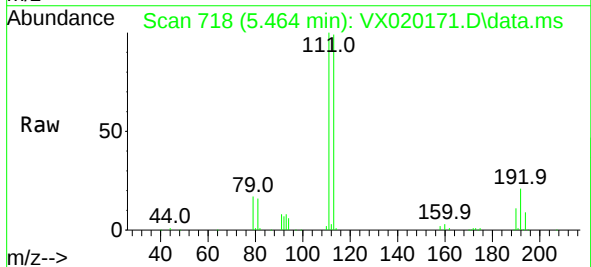


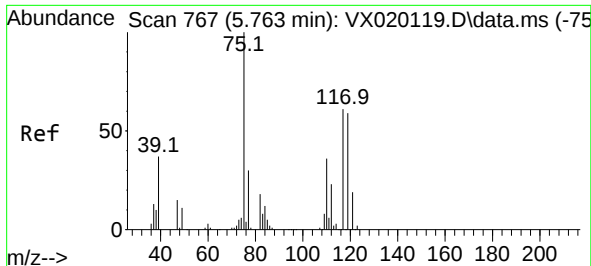
Tgt Ion:114 Resp: 505072  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 40.8  
88 15.9 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 48.97 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

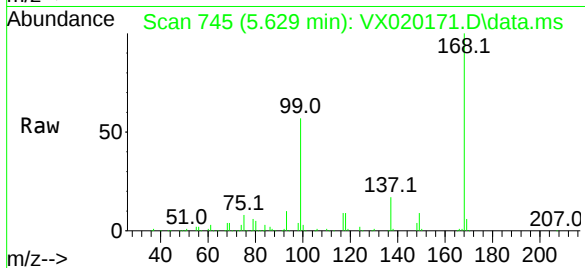
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Ion Ratio Lower Upper  
113 100  
111 102.3 81.9 122.9  
192 21.1 16.7 25.1



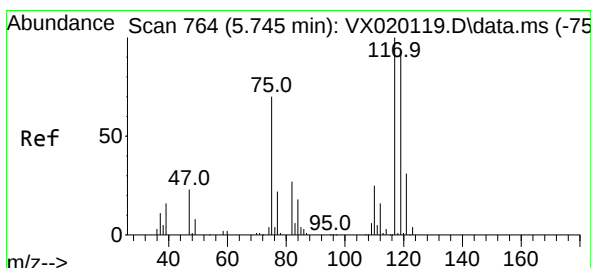
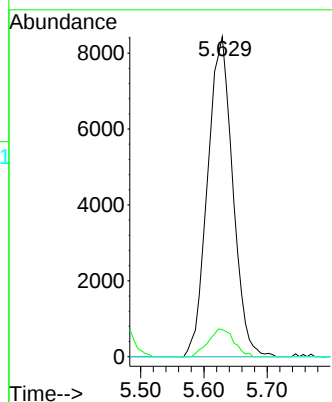
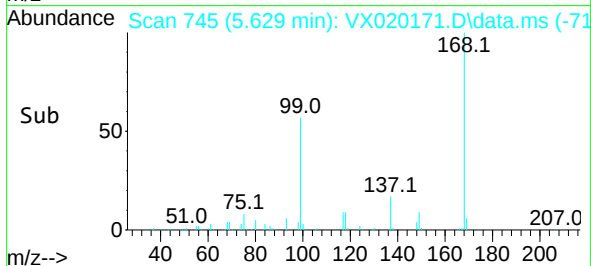


#36  
1,1-Dichloropropene  
Concen: 4.67 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.134 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

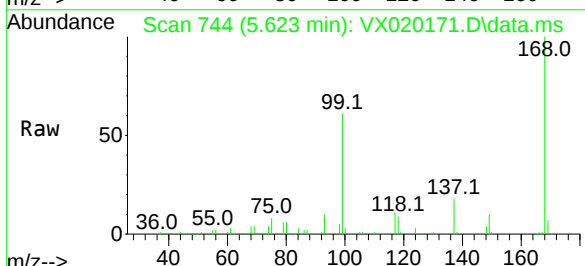
Instrument :  
MSVOA\_X  
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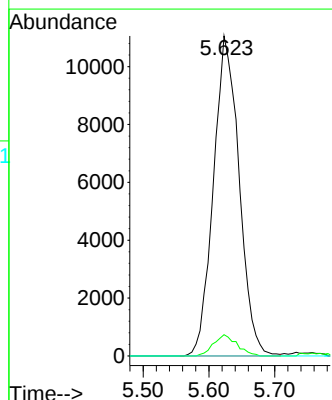
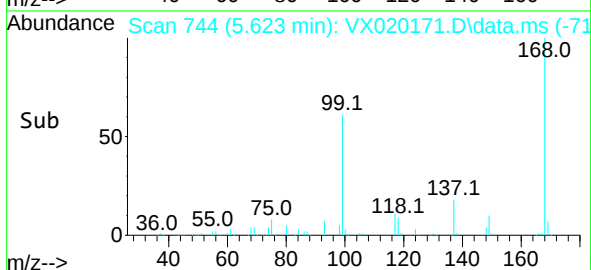
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Ion Ratio Lower Upper  
75 100  
110 8.8 18.1 54.4#  
77 0.0 25.3 37.9#

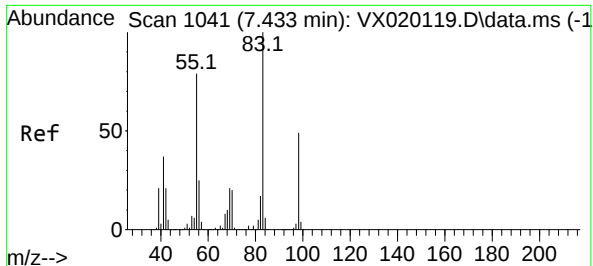


#38  
Carbon Tetrachloride  
Concen: 6.33 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.122 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14



Tgt Ion: 117 Resp: 30058  
Ion Ratio Lower Upper  
117 100  
119 6.7 76.2 114.2#  
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 0.37 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. -0.249 min

Lab File: VX020171.D

Acq: 19 Dec 2020 15:14

Tgt Ion: 83 Resp: 2121

Ion Ratio Lower Upper

83 100

55 0.0 58.9 88.3#

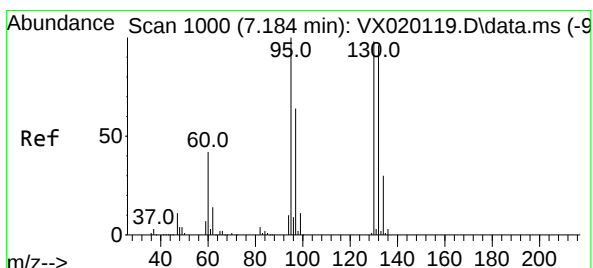
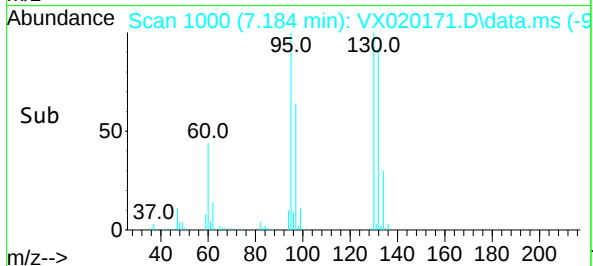
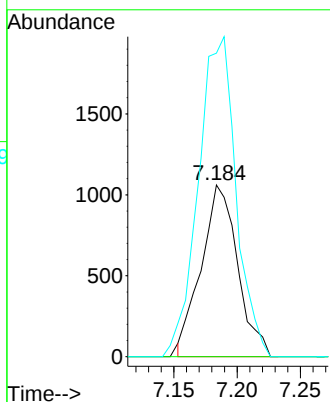
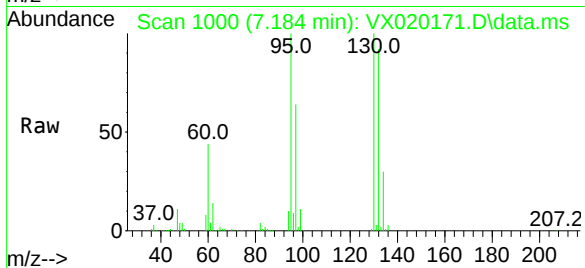
98 176.7 38.1 57.1#

Instrument :

MSVOA\_X

ClientSampleId :

RE126D2-20201209DL



#44

Trichloroethene

Concen: 40.48 ug/l

RT: 7.184 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VX020171.D

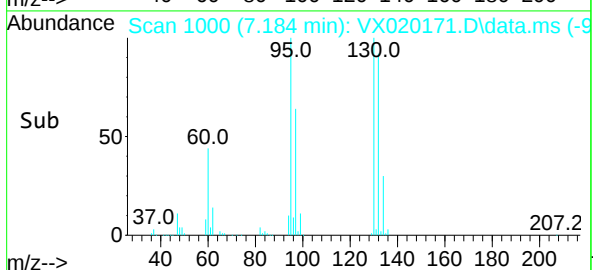
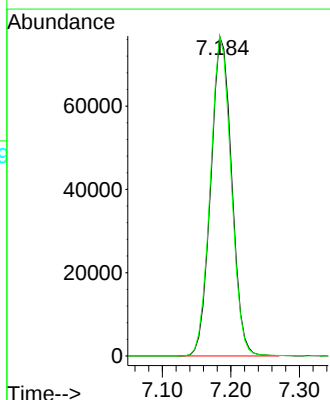
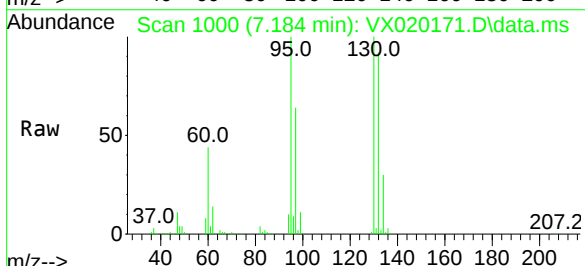
Acq: 19 Dec 2020 15:14

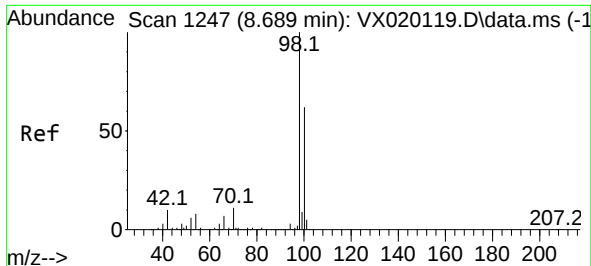
Tgt Ion:130 Resp: 162592

Ion Ratio Lower Upper

130 100

95 100.1 0.0 198.0

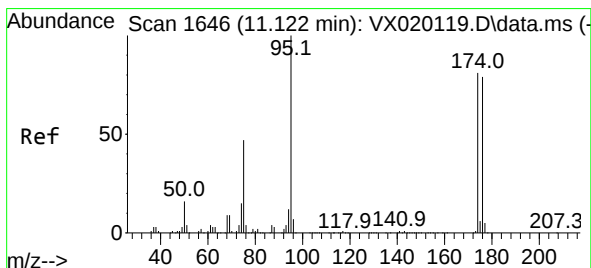
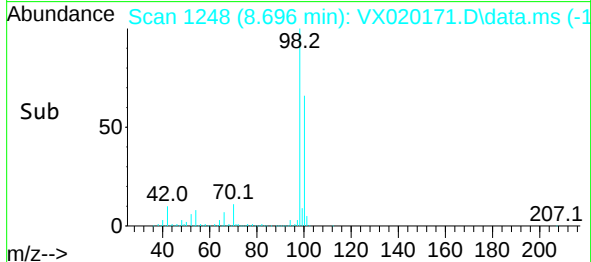
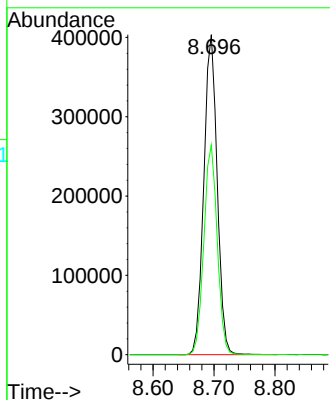
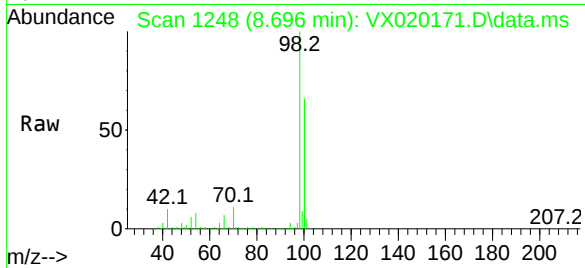




#50  
Toluene-d8  
Concen: 49.53 ug/l  
RT: 8.696 min Scan# 1248  
Delta R.T. 0.007 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

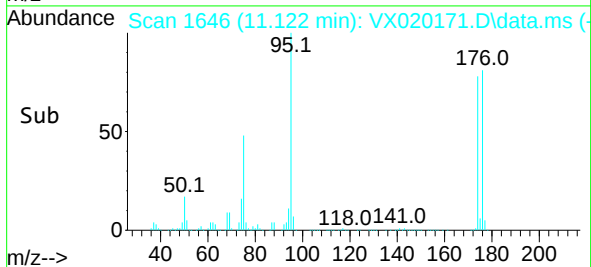
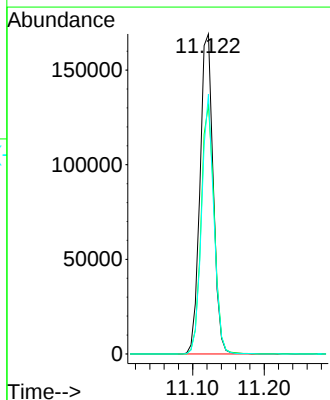
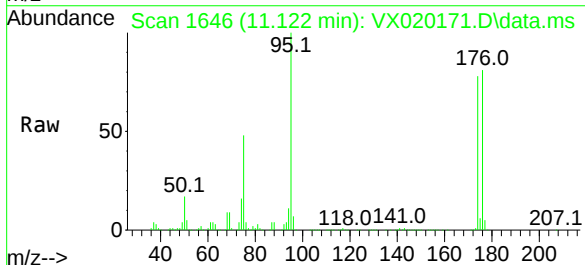
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20201209DL

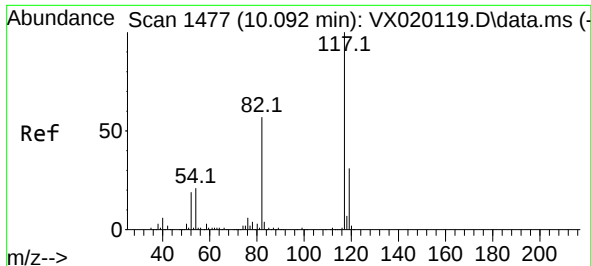
Tgt Ion: 98 Resp: 616022  
Ion Ratio Lower Upper  
98 100  
100 65.6 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 45.59 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

Tgt Ion: 95 Resp: 217009  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 154.6  
176 75.3 0.0 155.8

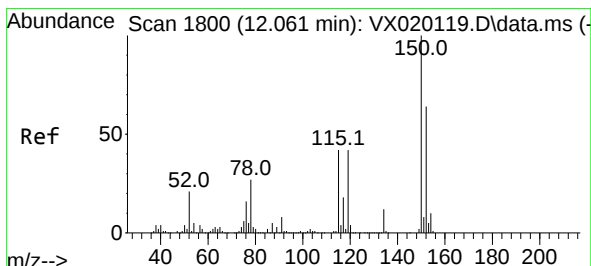
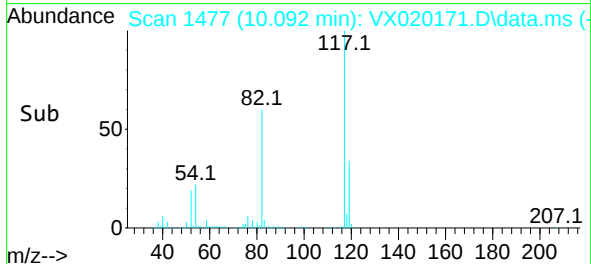
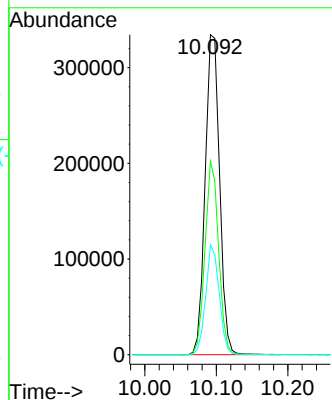
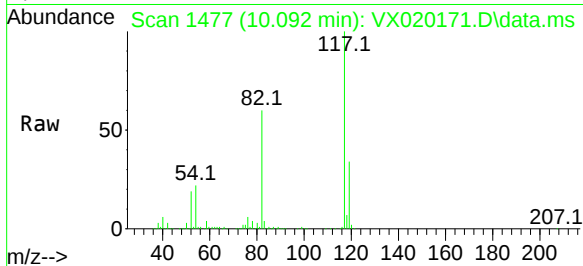




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.092 min Scan# 1477  
Delta R.T. -0.000 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

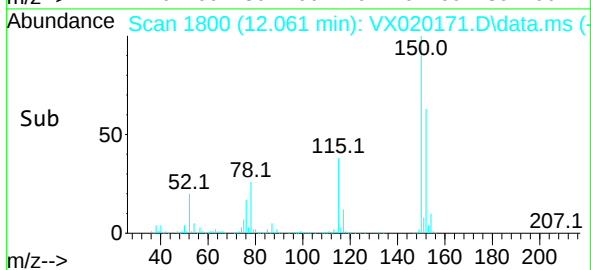
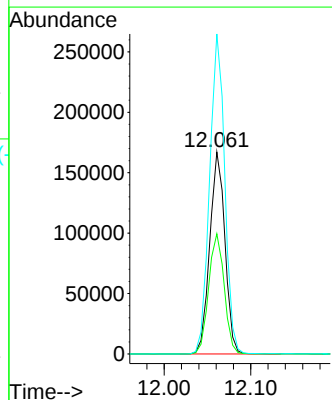
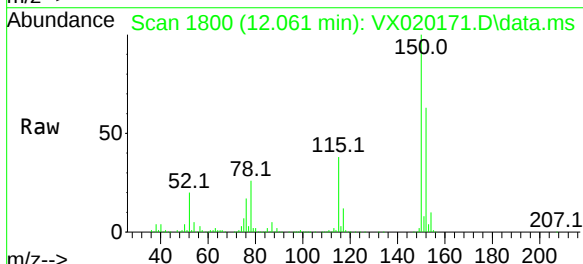
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20201209DL

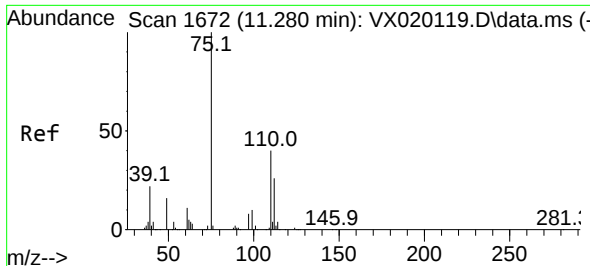
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 469495 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.5  | 47.4  | 71.2   |
| 119      | 34.3  | 26.6  | 39.8   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 203742 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 115      | 60.6  | 41.1  | 123.3  |
| 150      | 157.6 | 0.0   | 349.0  |

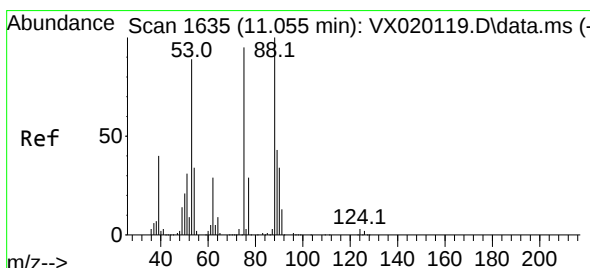
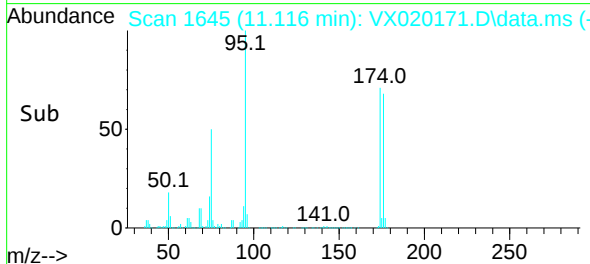
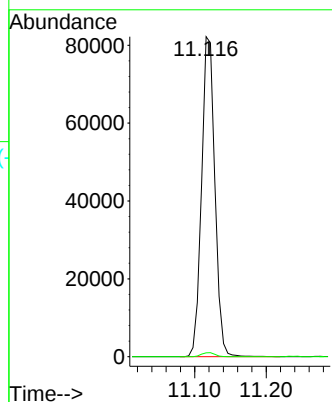
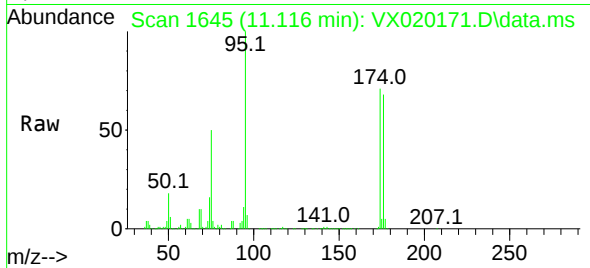




#76  
1,2,3-Trichloropropane  
Concen: 21.19 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. -0.164 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE126D2-20201209DL

Tgt Ion: 75 Resp: 106332  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.86 ug/l  
RT: 11.116 min Scan# 1645  
Delta R.T. 0.061 min  
Lab File: VX020171.D  
Acq: 19 Dec 2020 15:14

Tgt Ion: 75 Resp: 106332  
Ion Ratio Lower Upper  
75 100  
53 0.1 74.5 111.7#  
89 0.0 37.9 56.9#

