

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122420\  
 Data File : VX020392.D  
 Acq On : 24 Dec 2020 16:56  
 Operator : JC/MD  
 Sample : L5123-18  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Dec 25 01:15:07 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

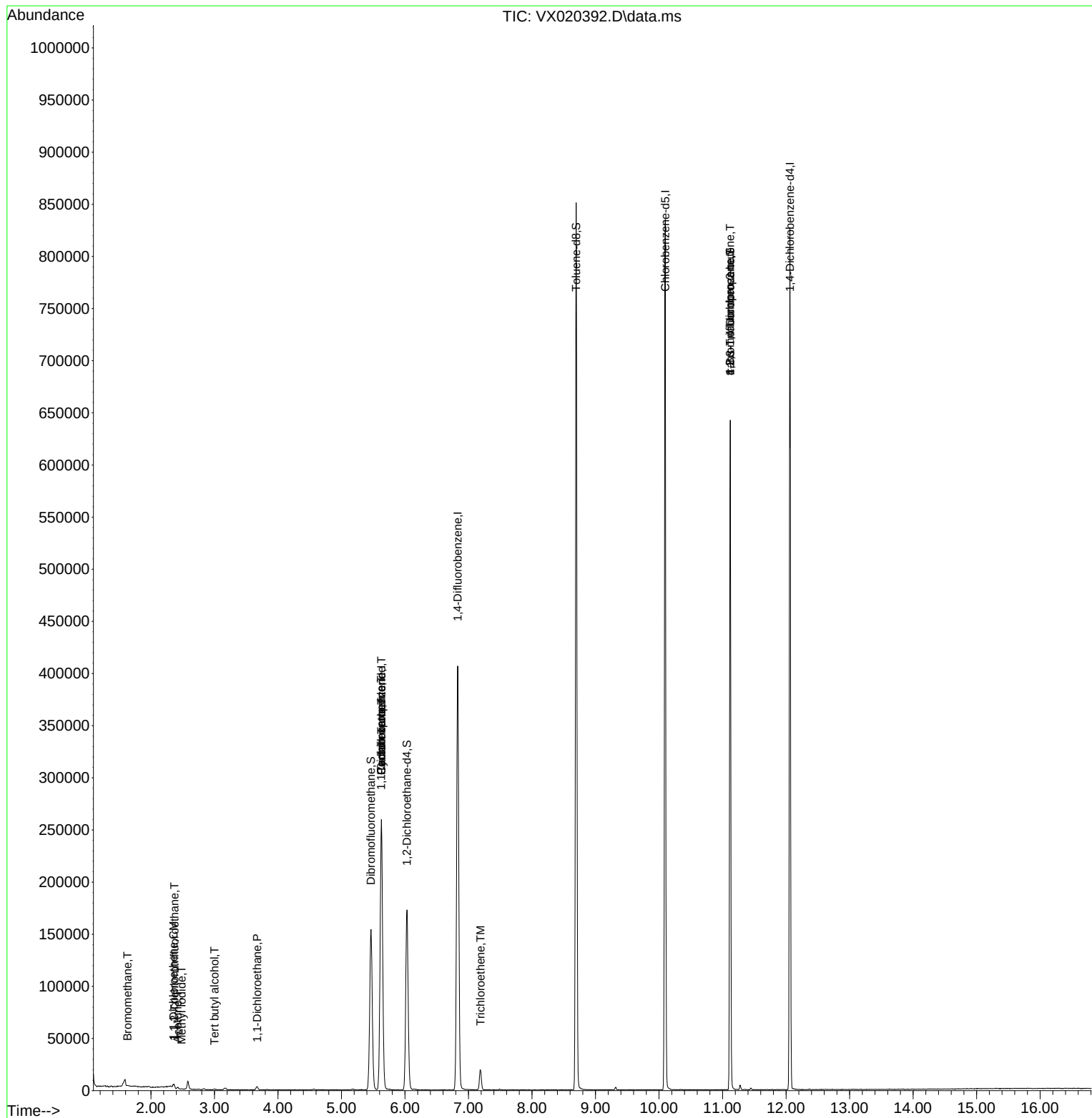
| Compound                      | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-----------|----------|
| -----                         |        |       |          |          |           |          |
| Internal Standards            |        |       |          |          |           |          |
| 1) Pentafluorobenzene         | 5.629  | 168   | 240537   | 50.00    | ug/l      | 0.01     |
| 34) 1,4-Difluorobenzene       | 6.830  | 114   | 409175   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 10.098 | 117   | 377587   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.061 | 152   | 167058   | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds   |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4     | 6.031  | 65    | 165789   | 51.42    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 61 - 141 | Recovery | = 102.84% |          |
| 35) Dibromofluoromethane      | 5.464  | 113   | 134315   | 51.31    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 69 - 133 | Recovery | = 102.62% |          |
| 50) Toluene-d8                | 8.696  | 98    | 502277   | 49.85    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 65 - 126 | Recovery | = 99.70%  |          |
| 62) 4-Bromofluorobenzene      | 11.122 | 95    | 172493   | 44.73    | ug/l      | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 135 | Recovery | = 89.46%  |          |
| Target Compounds              |        |       |          |          |           |          |
|                               |        |       |          |          | Qvalue    |          |
| 5) Bromomethane               | 1.630  | 94    | 413      | 0.39     | ug/l      | 92       |
| 9) 1,1,2-Trichlorotrifluo...  | 2.367  | 101   | 1072     | 0.45     | ug/l      | 94       |
| 10) Methyl Iodide             | 2.483  | 142   | 139      | 3.33     | ug/l #    | 42       |
| 11) Tert butyl alcohol        | 3.001  | 59    | 408      | 0.57     | ug/l #    | 73       |
| 12) 1,1-Dichloroethene        | 2.355  | 96    | 690      | 0.28     | ug/l      | 93       |
| 16) Acetone                   | 2.416  | 43    | 1696     | 1.15     | ug/l #    | 88       |
| 24) 1,1-Dichloroethane        | 3.672  | 63    | 3449     | 0.66     | ug/l      | 100      |
| 31) Cyclohexane               | 5.629  | 56    | 4899     | 1.10     | ug/l #    | 1        |
| 36) 1,1-Dichloropropene       | 5.623  | 75    | 19025    | 4.70     | ug/l #    | 49       |
| 38) Carbon Tetrachloride      | 5.629  | 117   | 24286    | 6.31     | ug/l #    | 17       |
| 44) Trichloroethene           | 7.190  | 130   | 7827     | 2.41     | ug/l      | 94       |
| 76) 1,2,3-Trichloropropane    | 11.122 | 75    | 85146    | 20.69    | ug/l #    | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.122 | 75    | 85146    | 61.39    | ug/l #    | 12       |
| -----                         |        |       |          |          |           |          |

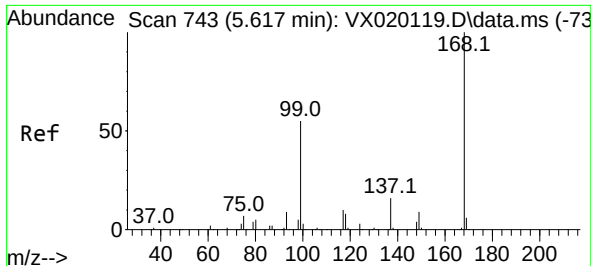
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX122420\  
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Sample : L5123-18  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Dec 25 01:15:07 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

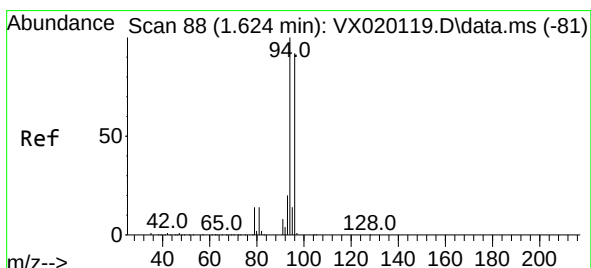
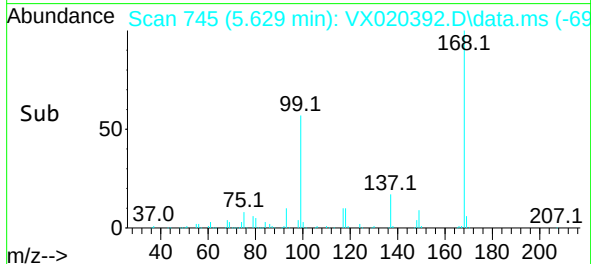
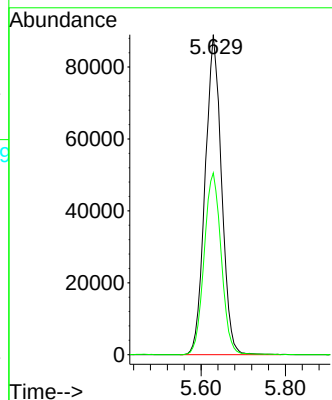
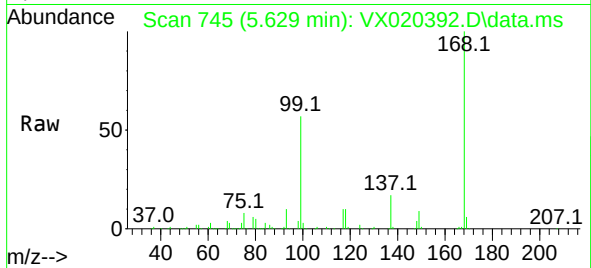




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.012 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

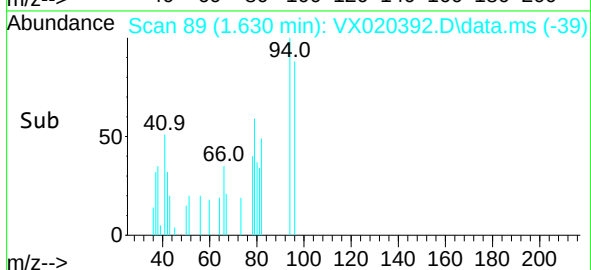
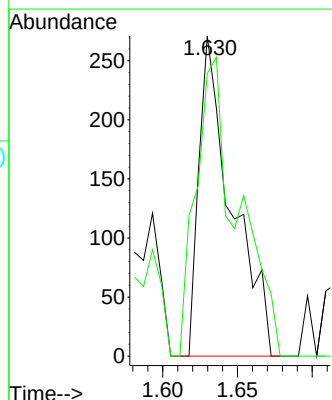
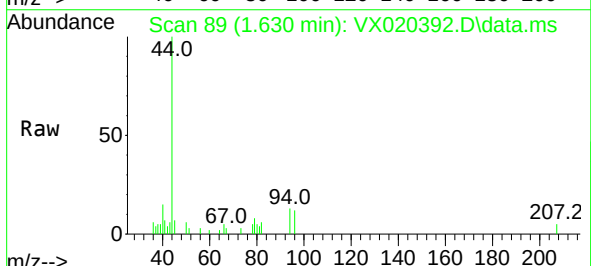
Instrument :  
MSVOA\_X  
ClientSampled :

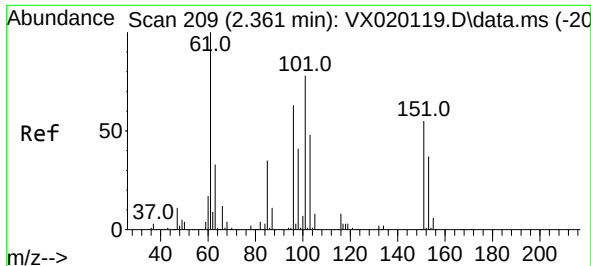
Tgt Ion:168 Resp: 240537  
Ion Ratio Lower Upper  
168 100  
99 56.8 45.8 68.6



#5  
Bromomethane  
Concen: 0.39 ug/l  
RT: 1.630 min Scan# 89  
Delta R.T. 0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

Tgt Ion: 94 Resp: 413  
Ion Ratio Lower Upper  
94 100  
96 88.2 76.4 114.6

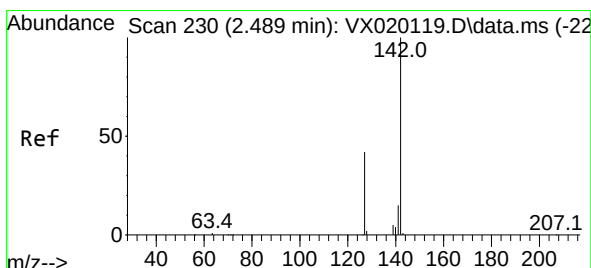
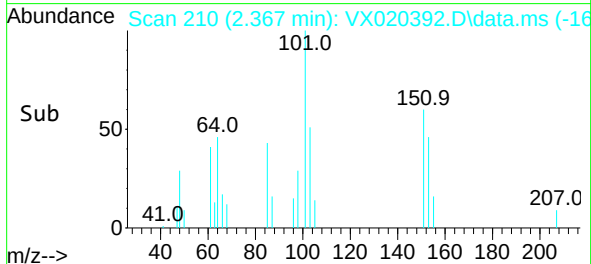
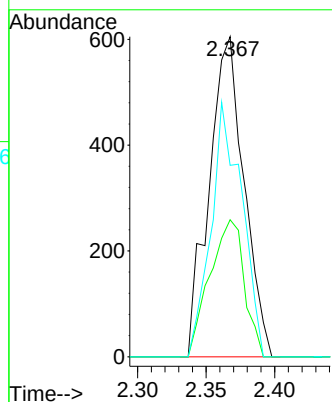
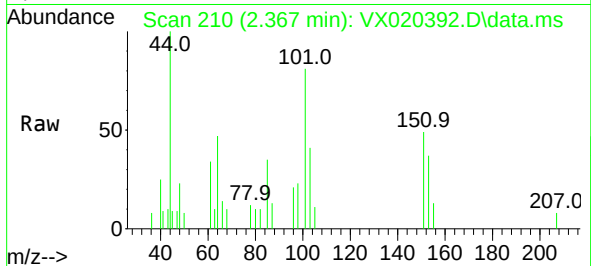




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.45 ug/l  
RT: 2.367 min Scan# 210  
Delta R.T. 0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

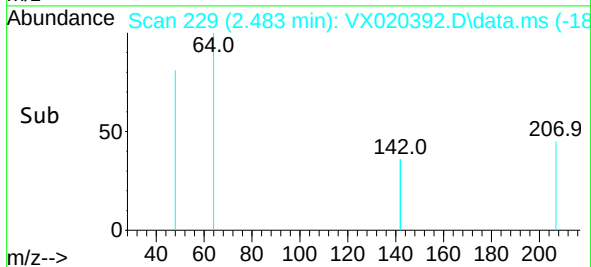
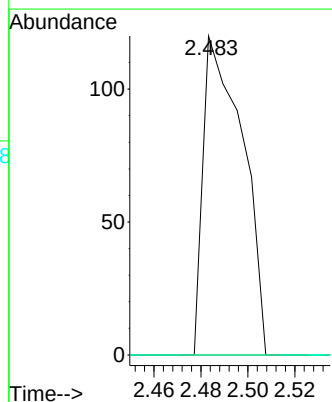
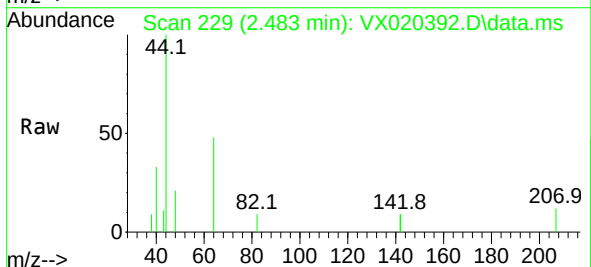
Instrument :  
MSVOA\_X  
ClientSampleId :

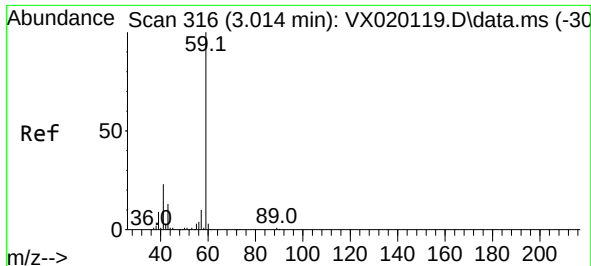
Tgt Ion:101 Resp: 1072  
Ion Ratio Lower Upper  
101 100  
85 42.3 34.9 52.3  
151 70.1 61.4 92.2



#10  
Methyl Iodide  
Concen: 3.33 ug/l  
RT: 2.483 min Scan# 229  
Delta R.T. -0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

Tgt Ion:142 Resp: 139  
Ion Ratio Lower Upper  
142 100  
127 0.0 33.3 49.9#  
141 0.0 11.4 17.0#

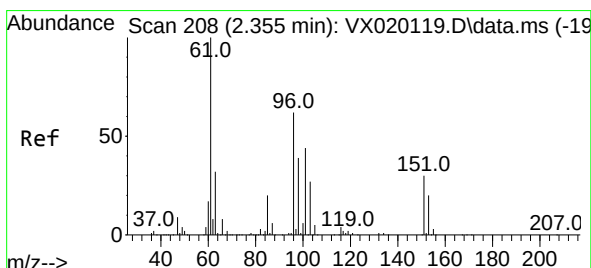
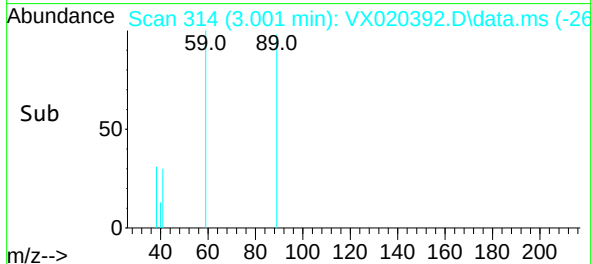
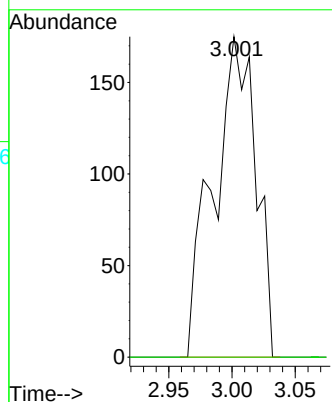
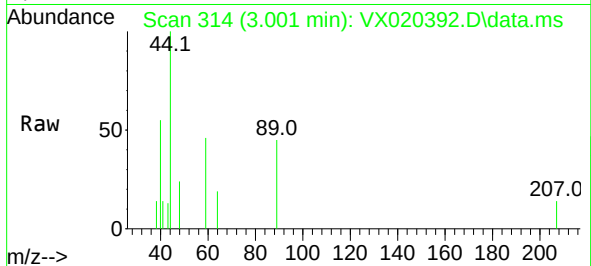




#11  
Tert butyl alcohol  
Concen: 0.57 ug/l  
RT: 3.001 min Scan# 314  
Delta R.T. -0.013 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

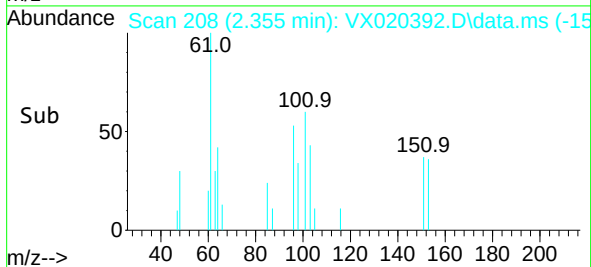
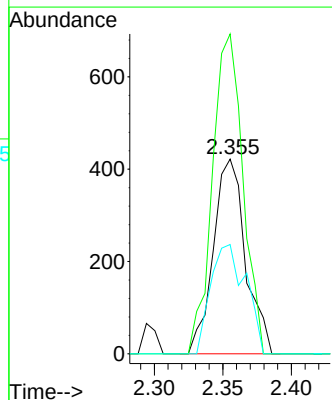
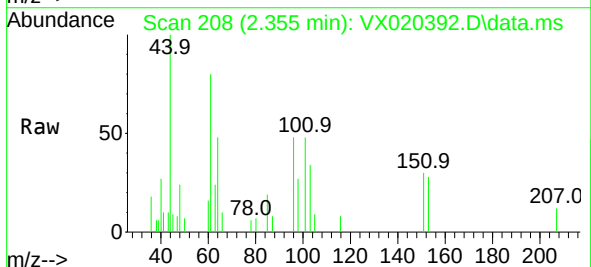
Instrument :  
MSVOA\_X  
ClientSampled :

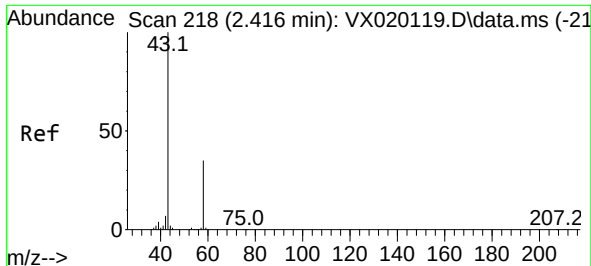
Tgt Ion: 59 Resp: 408  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 0.28 ug/l  
RT: 2.355 min Scan# 208  
Delta R.T. 0.000 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

Tgt Ion: 96 Resp: 690  
Ion Ratio Lower Upper  
96 100  
61 164.2 124.6 187.0  
98 56.2 50.6 76.0

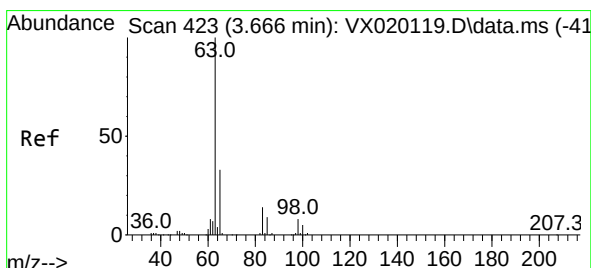
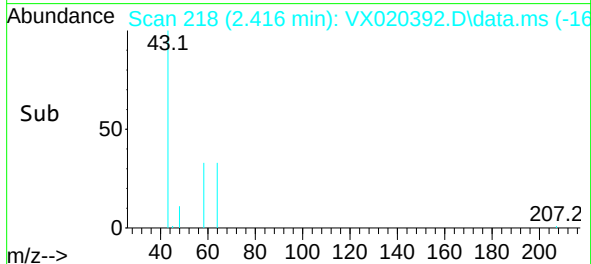
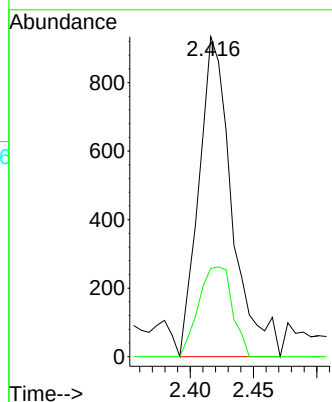
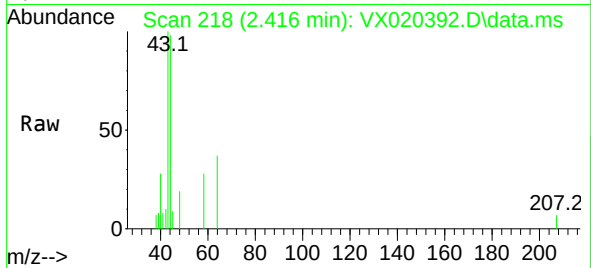




#16  
Acetone  
Concen: 1.15 ug/l  
RT: 2.416 min Scan# 218  
Delta R.T. 0.000 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

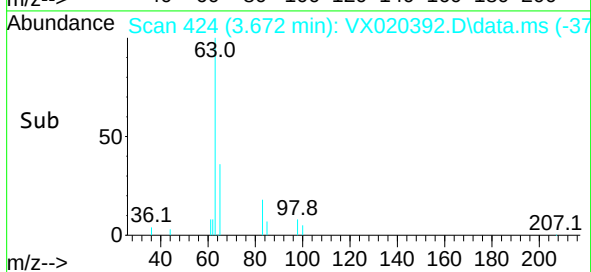
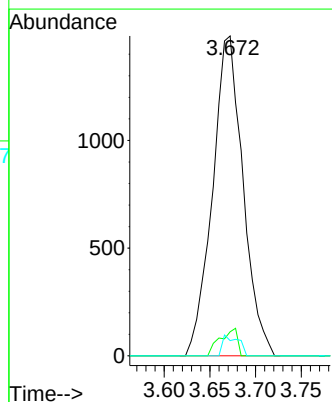
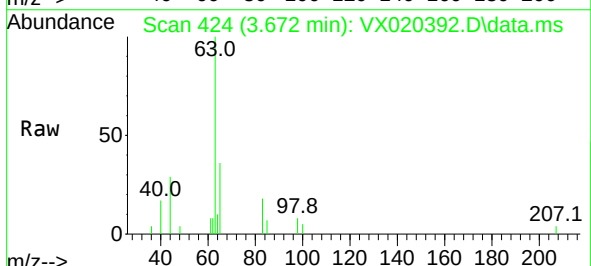
Instrument :  
MSVOA\_X  
ClientSampled :

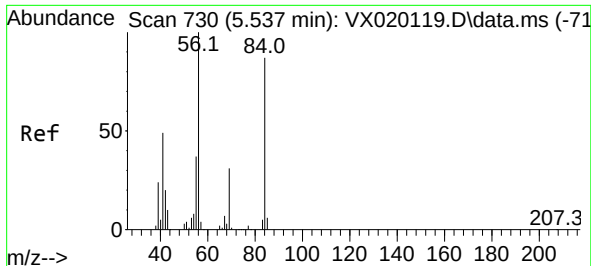
Tgt Ion: 43 Resp: 1696  
Ion Ratio Lower Upper  
43 100  
58 27.6 27.8 41.8#



#24  
1,1-Dichloroethane  
Concen: 0.66 ug/l  
RT: 3.672 min Scan# 424  
Delta R.T. 0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

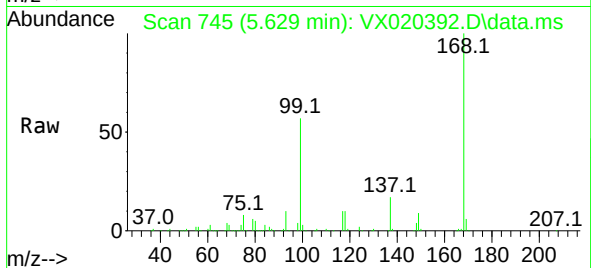
Tgt Ion: 63 Resp: 3449  
Ion Ratio Lower Upper  
63 100  
98 7.5 3.8 11.2  
100 4.8 2.5 7.5



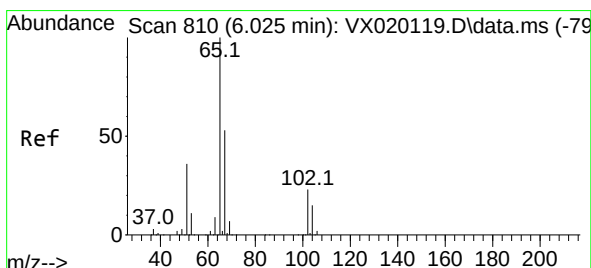
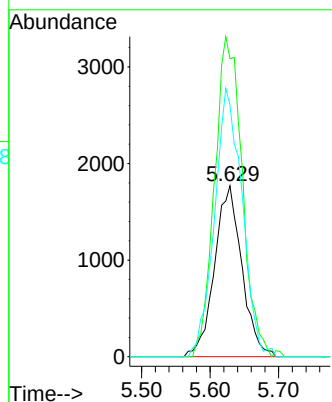
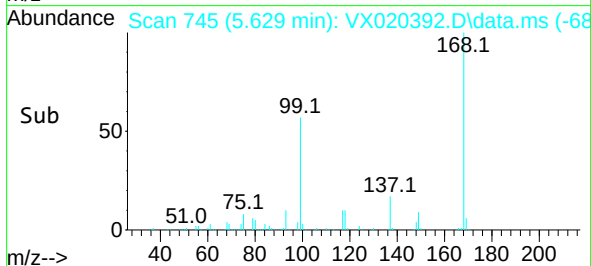


#31  
Cyclohexane  
Concen: 1.10 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. 0.092 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

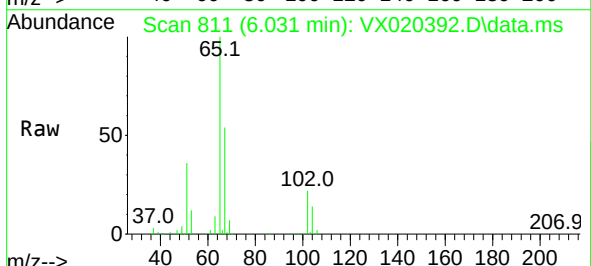
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MSVOA\_X  
ClientSampleId :



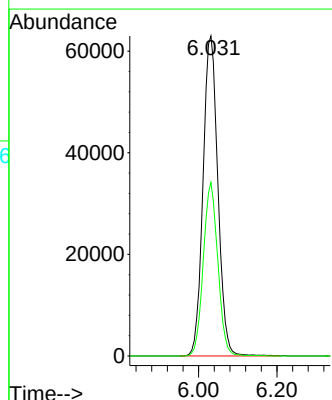
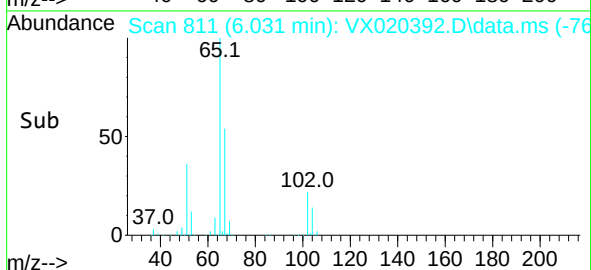
Tgt Ion: 56 Resp: 4899  
Ion Ratio Lower Upper  
56 100  
69 174.3 25.3 37.9#  
84 147.2 71.4 107.0#

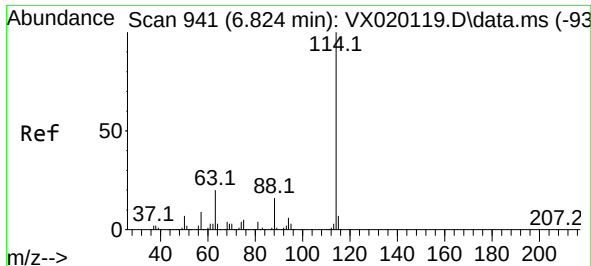


#33  
1,2-Dichloroethane-d4  
Concen: 51.42 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56



Tgt Ion: 65 Resp: 165789  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 105.4

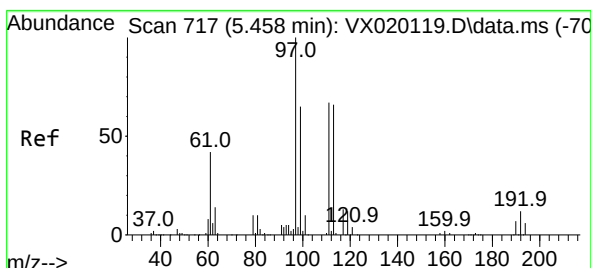
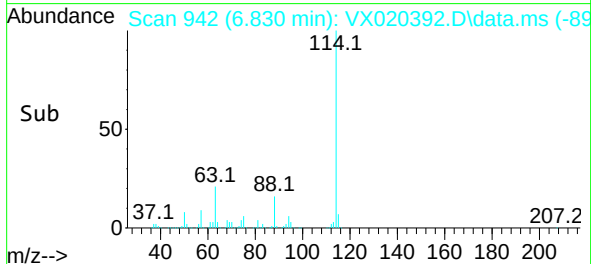
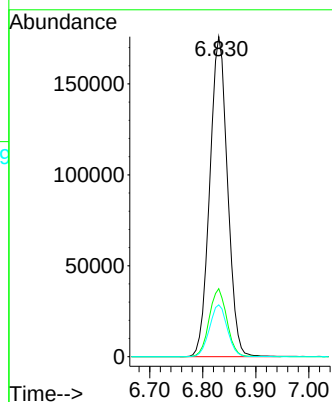
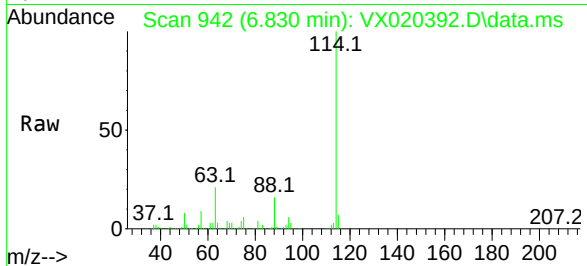




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.830 min Scan# 942  
Delta R.T. 0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

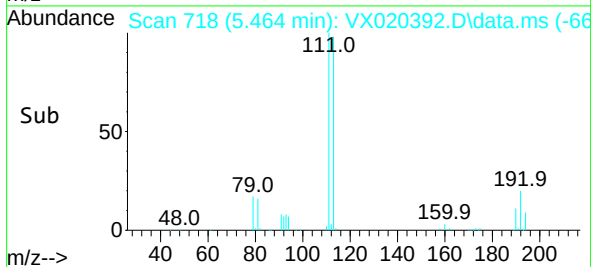
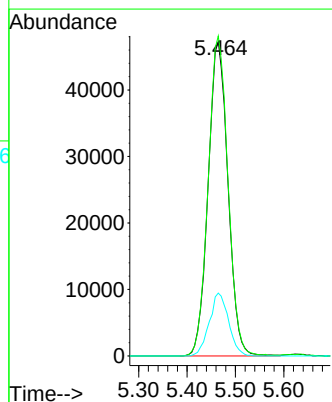
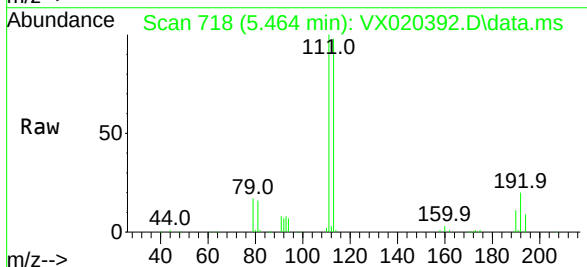
Instrument :  
MSVOA\_X  
ClientSampled :

Tgt Ion:114 Resp: 409175  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 40.8  
88 16.2 0.0 32.8

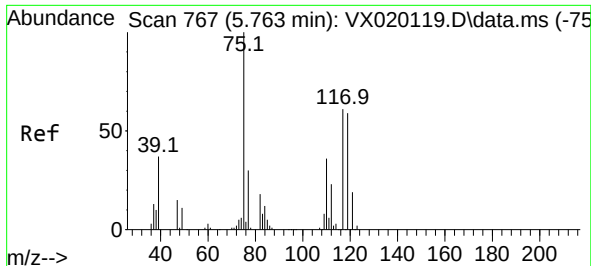


#35  
Dibromofluoromethane  
Concen: 51.31 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

Tgt Ion:113 Resp: 134315  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.9 122.9  
192 19.5 16.7 25.1



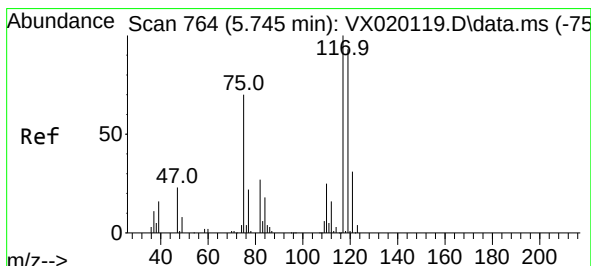
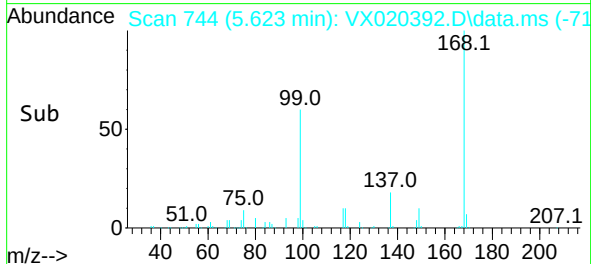
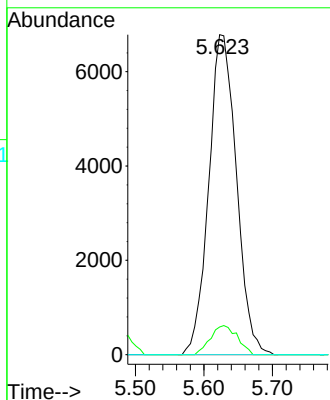
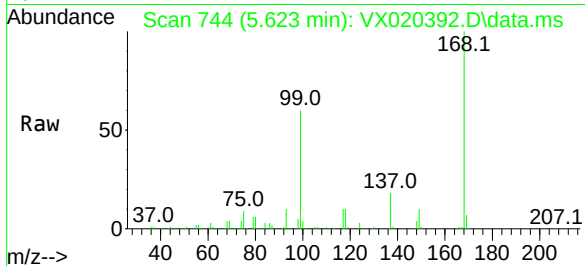




#36  
1,1-Dichloropropene  
Concen: 4.70 ug/l  
RT: 5.623 min Scan# 744  
Delta R.T. -0.140 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

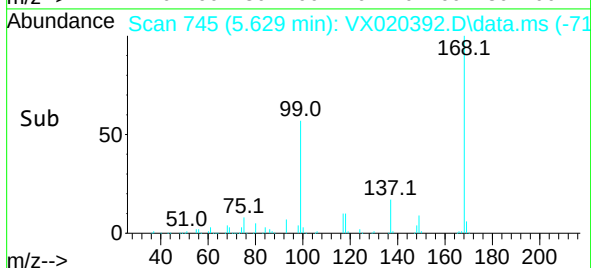
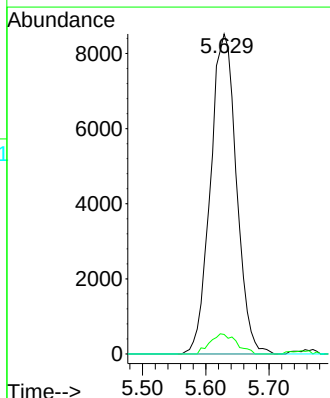
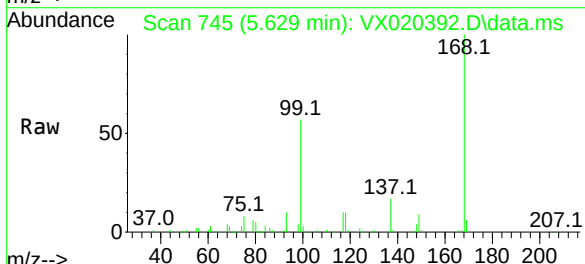
Instrument :  
MSVOA\_X  
ClientSampled :

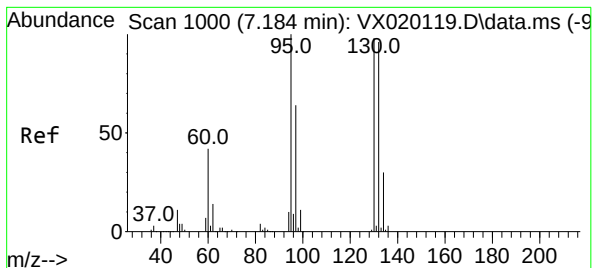
Tgt Ion: 75 Resp: 19025  
Ion Ratio Lower Upper  
75 100  
110 8.8 18.1 54.4#  
77 0.0 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 6.31 ug/l  
RT: 5.629 min Scan# 745  
Delta R.T. -0.116 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

Tgt Ion: 117 Resp: 24286  
Ion Ratio Lower Upper  
117 100  
119 6.1 76.2 114.2#  
121 0.0 24.8 37.2#





#44

Trichloroethene

Concen: 2.41 ug/l

RT: 7.190 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VX020392.D

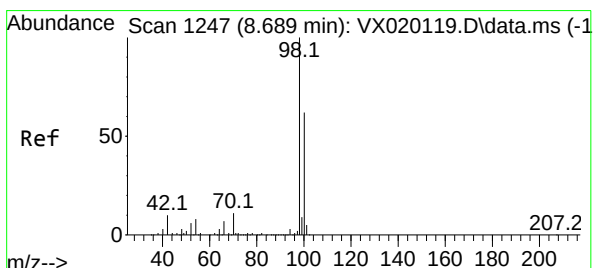
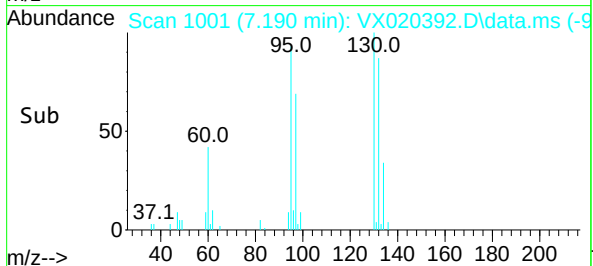
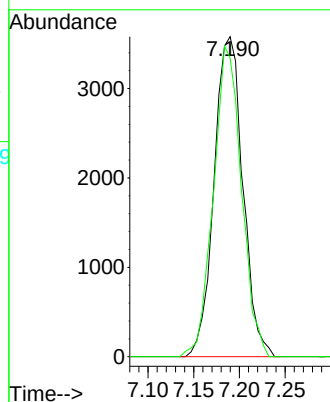
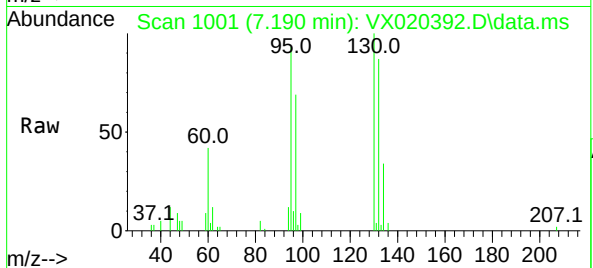
Acq: 24 Dec 2020 16:56

Tgt Ion:130 Resp: 7827

Ion Ratio Lower Upper

130 100

95 93.4 0.0 198.0



#50

Toluene-d8

Concen: 49.85 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.007 min

Lab File: VX020392.D

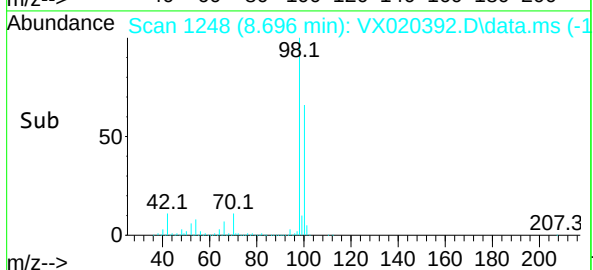
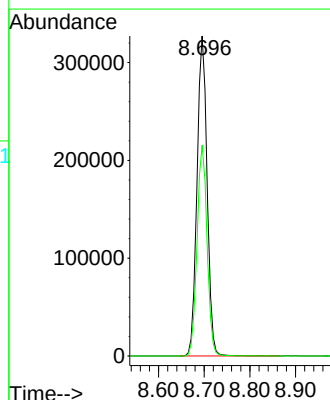
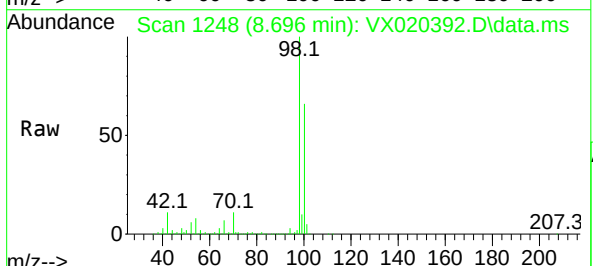
Acq: 24 Dec 2020 16:56

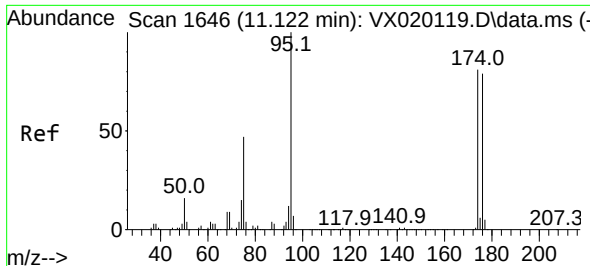
Tgt Ion: 98 Resp: 502277

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9

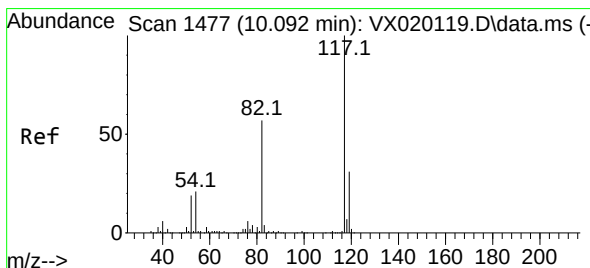
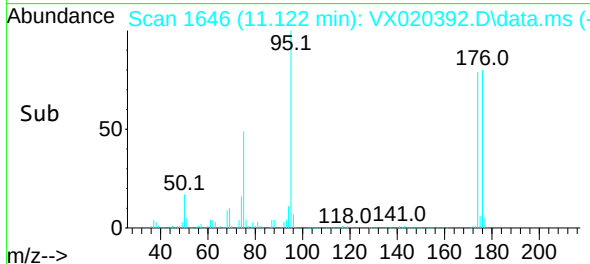
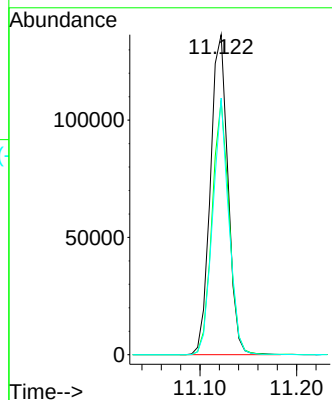
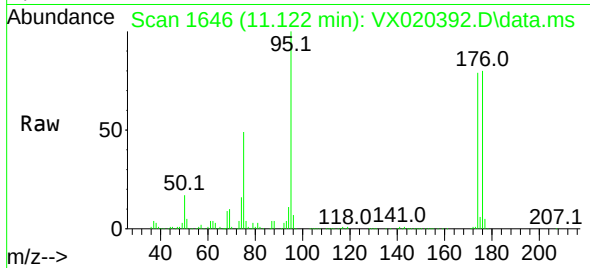




#62  
4-Bromofluorobenzene  
Concen: 44.73 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.000 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

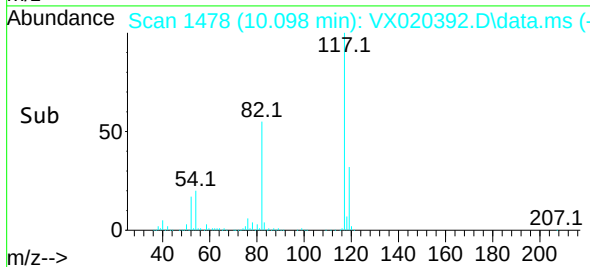
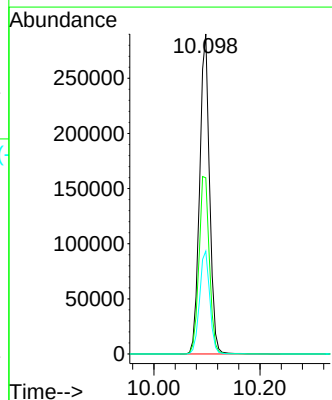
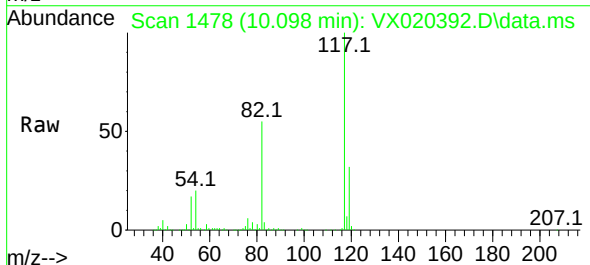
Instrument :  
MSVOA\_X  
ClientSampled :

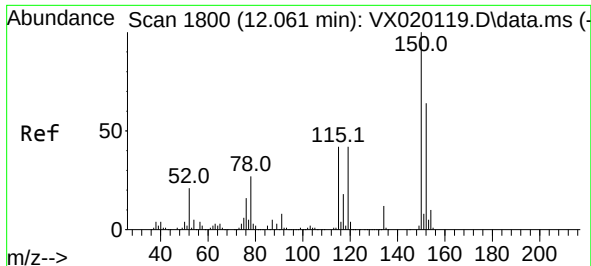
Tgt Ion: 95 Resp: 172493  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 154.6  
176 73.6 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.098 min Scan# 1478  
Delta R.T. 0.006 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

Tgt Ion: 117 Resp: 377587  
Ion Ratio Lower Upper  
117 100  
82 55.1 47.4 71.2  
119 32.1 26.6 39.8

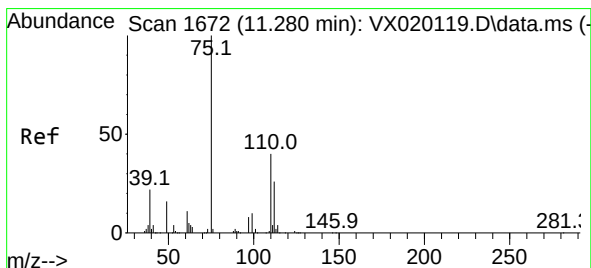
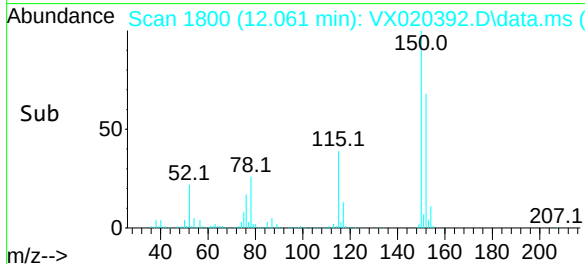
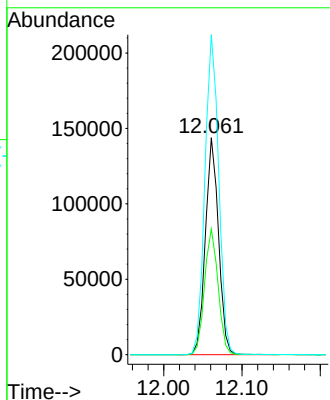
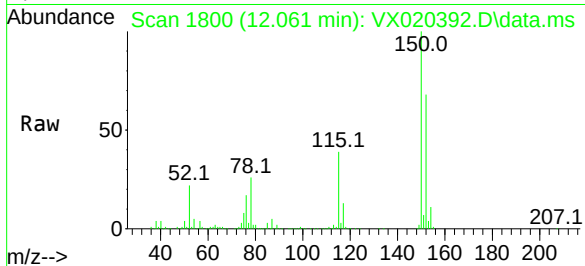




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.061 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

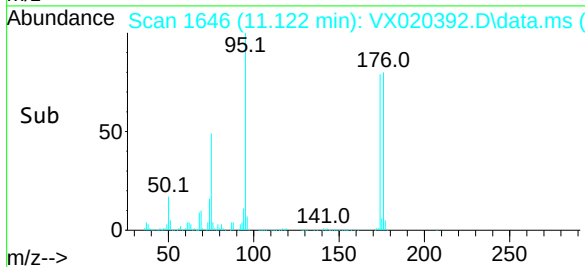
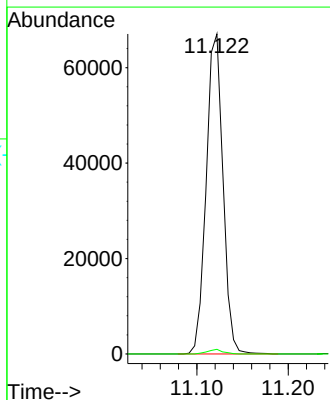
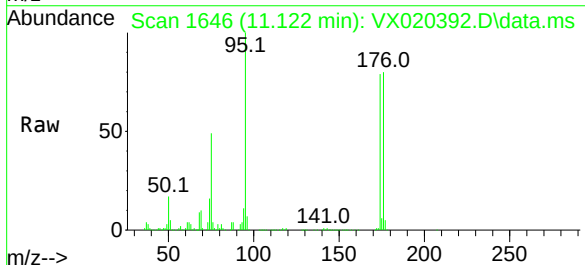
Instrument :  
MSVOA\_X  
ClientSampled :

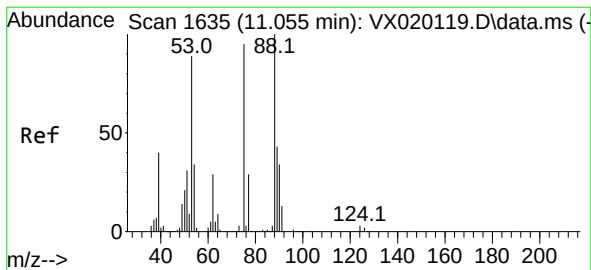
Tgt Ion:152 Resp: 167058  
Ion Ratio Lower Upper  
152 100  
115 59.6 41.1 123.3  
150 155.0 0.0 349.0



#76  
1,2,3-Trichloropropane  
Concen: 20.69 ug/l  
RT: 11.122 min Scan# 1646  
Delta R.T. -0.158 min  
Lab File: VX020392.D  
Acq: 24 Dec 2020 16:56

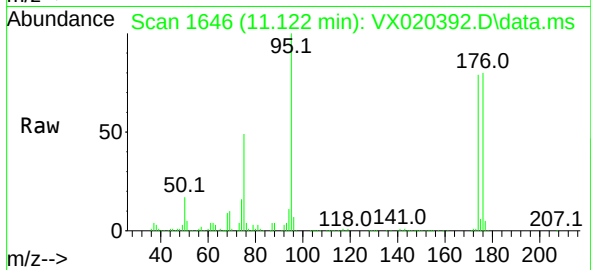
Tgt Ion: 75 Resp: 85146  
Ion Ratio Lower Upper  
75 100  
77 1.3 19.1 57.5#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 61.39 ug/l  
 RT: 11.122 min Scan# 1646  
 Delta R.T. 0.067 min  
 Lab File: VX020392.D  
 Acq: 24 Dec 2020 16:56

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion: 75 Resp: 85146  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 74.5 111.7#  
 89 0.0 37.9 56.9#

