

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
 Data File : VX021375.D  
 Acq On : 23 Mar 2021 11:09  
 Operator : JC/MD  
 Sample : VX0323MBL01  
 Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0323MBL01

Quant Time: Mar 23 15:03:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 16 14:00:21 2021  
 Response via : Initial Calibration

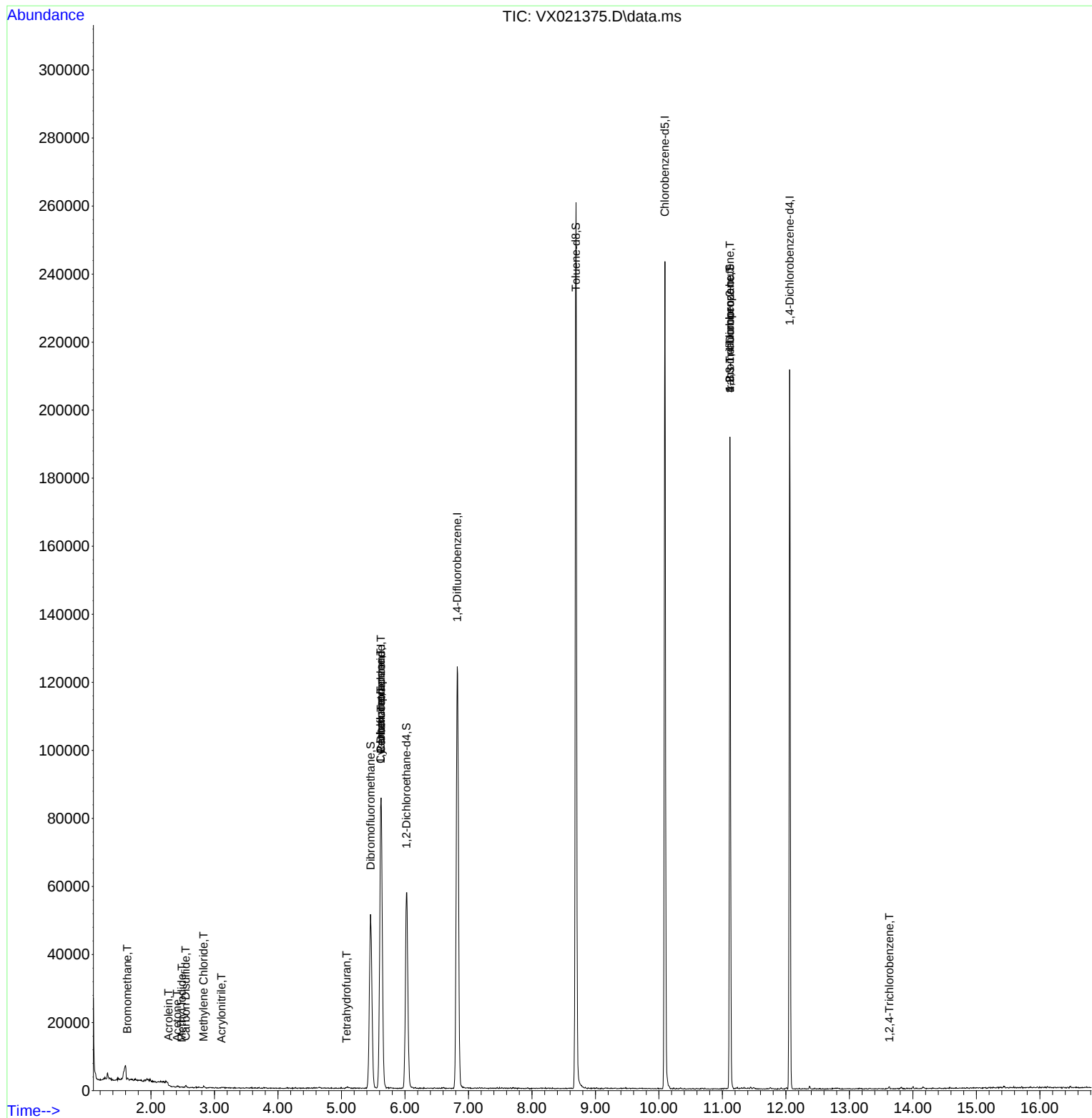
| Compound                      | R.T.   | QIon  | Response | Conc         | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|--------------|-------|----------|
| -----                         |        |       |          |              |       |          |
| Internal Standards            |        |       |          |              |       |          |
| 1) Pentafluorobenzene         | 5.623  | 168   | 75022    | 50.00        | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene       | 6.823  | 114   | 118727   | 50.00        | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 10.094 | 117   | 100365   | 50.00        | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.059 | 152   | 38436    | 50.00        | ug/l  | 0.00     |
|                               |        |       |          |              |       |          |
| System Monitoring Compounds   |        |       |          |              |       |          |
| 33) 1,2-Dichloroethane-d4     | 6.023  | 65    | 56933    | 46.27        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery     | =     | 92.54%   |
| 35) Dibromofluoromethane      | 5.458  | 113   | 42083    | 52.09        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery     | =     | 104.18%  |
| 50) Toluene-d8                | 8.694  | 98    | 146154   | 49.86        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery     | =     | 99.72%   |
| 62) 4-Bromofluorobenzene      | 11.118 | 95    | 47961    | 42.13        | ug/l  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery     | =     | 84.26%   |
|                               |        |       |          |              |       |          |
| Target Compounds              |        |       |          |              |       | Qvalue   |
| 3) Chloromethane              | 1.317  | 50    | 1832     | Below Cal    |       | 92       |
| 5) Bromomethane               | 1.629  | 94    | 120      | 0.30 ug/l    |       | 94       |
| 10) Methyl Iodide             | 2.487  | 142   | 192      | 0.28 ug/l #  |       | 73       |
| 13) Acrolein                  | 2.276  | 56    | 56       | 3.57 ug/l #  |       | 14       |
| 15) Acrylonitrile             | 3.111  | 53    | 135      | 0.28 ug/l #  |       | 66       |
| 16) Acetone                   | 2.411  | 43    | 371      | 0.82 ug/l #  |       | 40       |
| 17) Carbon Disulfide          | 2.546  | 76    | 614      | 0.81 ug/l #  |       | 69       |
| 20) Methylene Chloride        | 2.829  | 84    | 192      | 0.21 ug/l #  |       | 71       |
| 29) Tetrahydrofuran           | 5.082  | 42    | 176      | 0.38 ug/l #  |       | 27       |
| 31) Cyclohexane               | 5.617  | 56    | 2228     | 1.50 ug/l #  |       | 38       |
| 36) 1,1-Dichloropropene       | 5.617  | 75    | 6677     | 5.58 ug/l #  |       | 49       |
| 38) Carbon Tetrachloride      | 5.623  | 117   | 8076     | 6.50 ug/l #  |       | 16       |
| 76) 1,2,3-Trichloropropane    | 11.118 | 75    | 27063    | 30.35 ug/l # |       | 38       |
| 81) trans-1,4-Dichloro-2-b... | 11.118 | 75    | 27063    | 82.41 ug/l # |       | 12       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180   | 183      | 0.23 ug/l #  |       | 85       |
| -----                         |        |       |          |              |       |          |

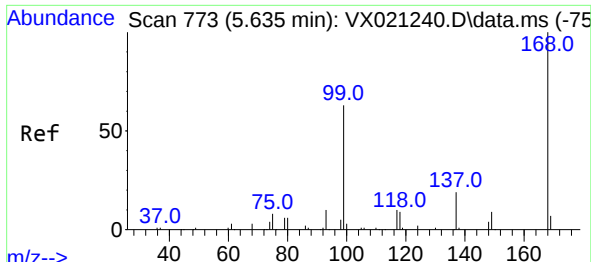
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX032321\  
Data File : VX021375.D  
Acq On : 23 Mar 2021 11:09  
Operator : JC/MD  
Sample : VX0323MBL01  
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

Quant Time: Mar 23 15:03:03 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X031621W.M  
Quant Title : SW846 8260  
QLast Update : Tue Mar 16 14:00:21 2021  
Response via : Initial Calibration

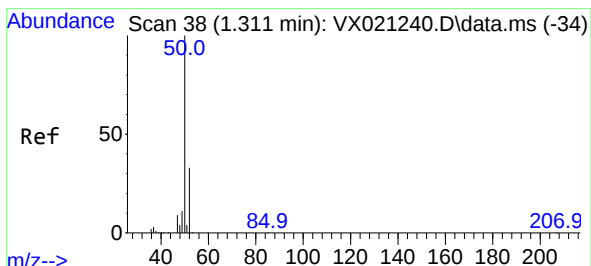
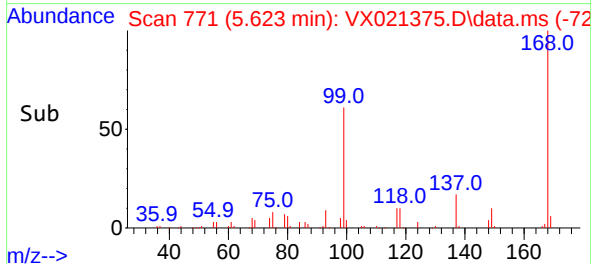
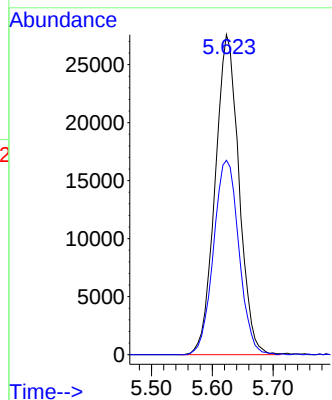
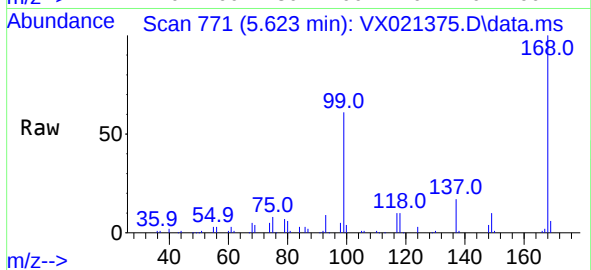




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.012 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

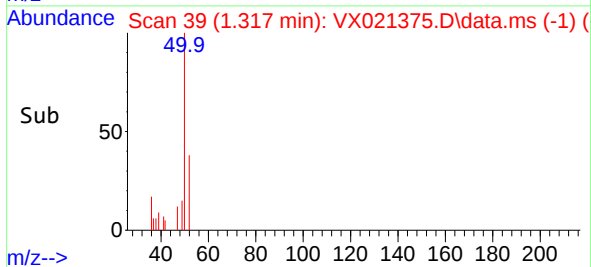
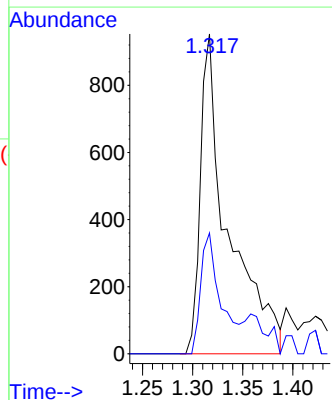
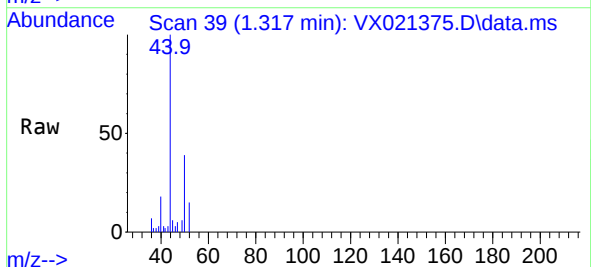
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

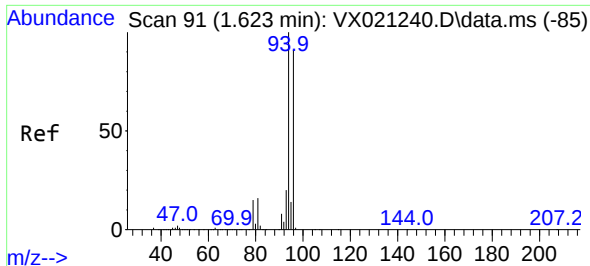
Tgt Ion:168 Resp: 75022  
Ion Ratio Lower Upper  
168 100  
99 60.8 45.8 68.6



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.317 min Scan# 39  
Delta R.T. 0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion: 50 Resp: 1832  
Ion Ratio Lower Upper  
50 100  
52 37.8 26.4 39.6

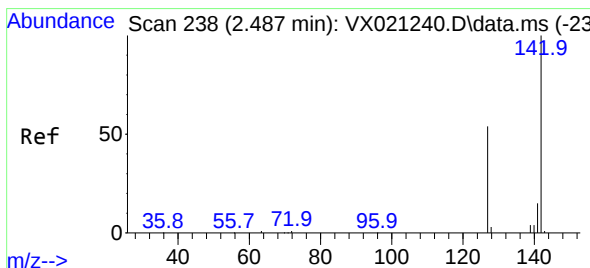
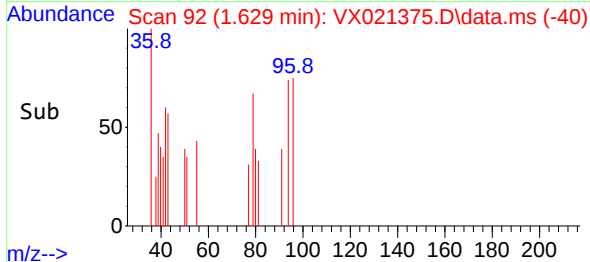
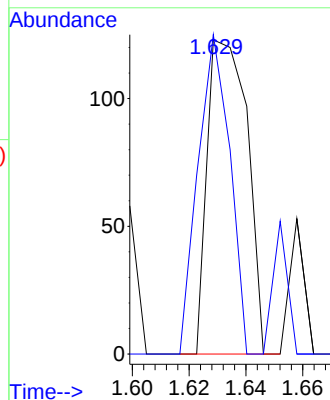
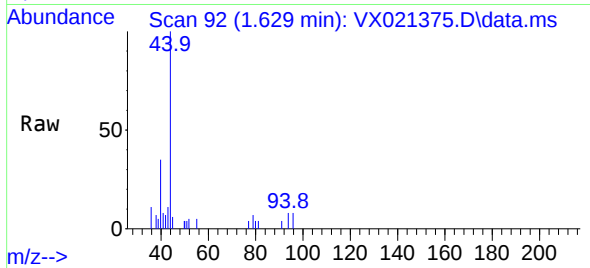




#5  
Bromomethane  
Concen: 0.30 ug/l  
RT: 1.629 min Scan# 92  
Delta R.T. 0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

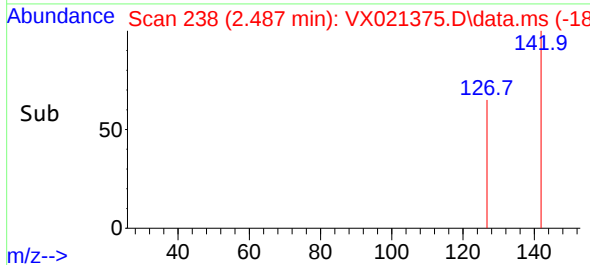
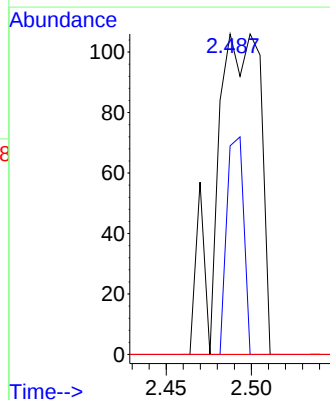
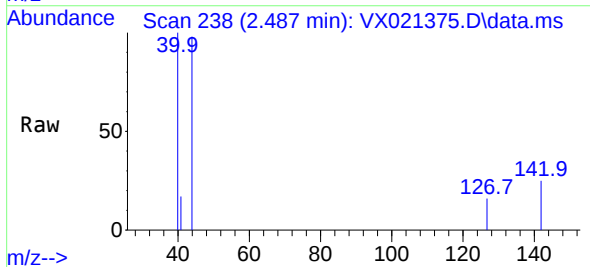
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

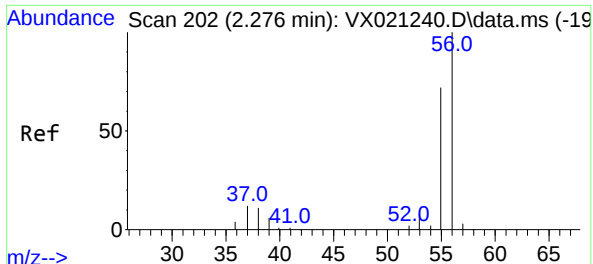
Tgt Ion: 94 Resp: 120  
Ion Ratio Lower Upper  
94 100  
96 101.6 76.4 114.6



#10  
Methyl Iodide  
Concen: 0.28 ug/l  
RT: 2.487 min Scan# 238  
Delta R.T. 0.000 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion: 142 Resp: 192  
Ion Ratio Lower Upper  
142 100  
127 26.0 33.3 49.9#  
141 0.0 11.4 17.0#

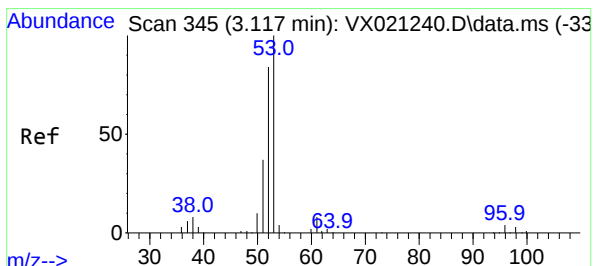
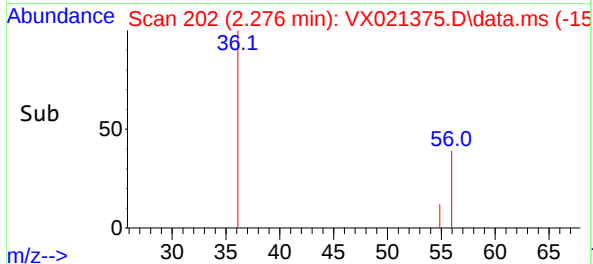
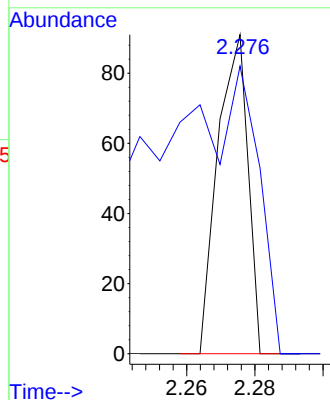
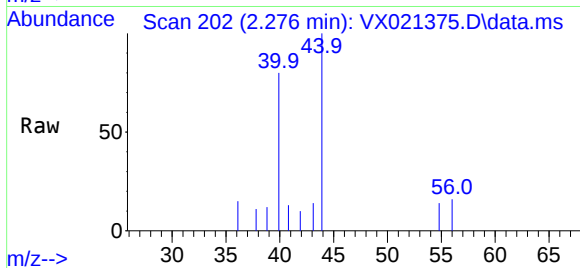




#13  
Acrolein  
Concen: 3.57 ug/l  
RT: 2.276 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

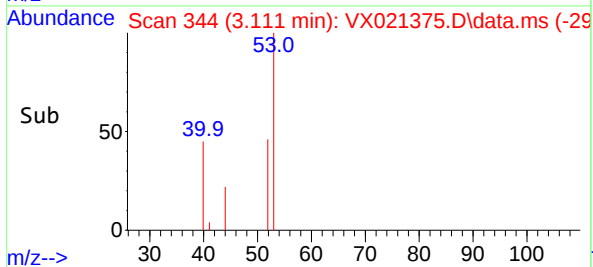
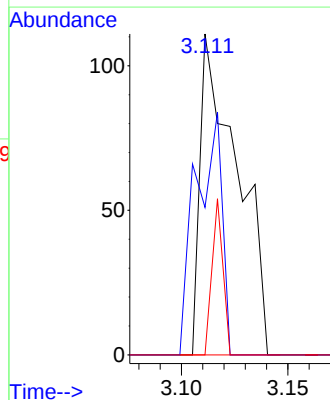
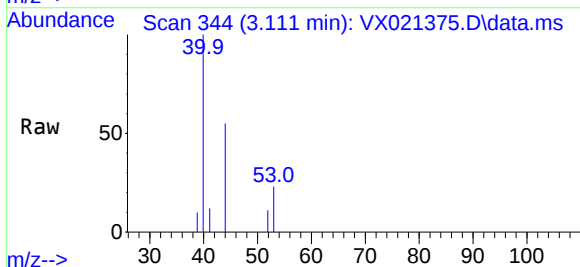
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

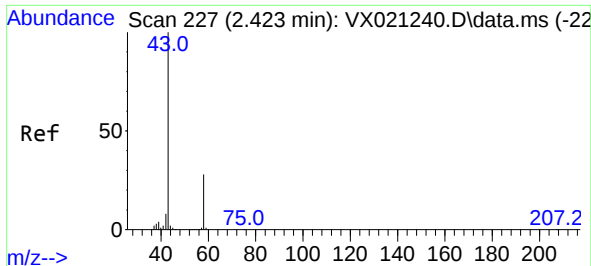
Tgt Ion: 56 Resp: 56  
Ion Ratio Lower Upper  
56 100  
55 0.0 56.4 84.6#



#15  
Acrylonitrile  
Concen: 0.28 ug/l  
RT: 3.111 min Scan# 344  
Delta R.T. -0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion: 53 Resp: 135  
Ion Ratio Lower Upper  
53 100  
52 52.6 65.3 97.9#  
51 14.1 28.2 42.2#

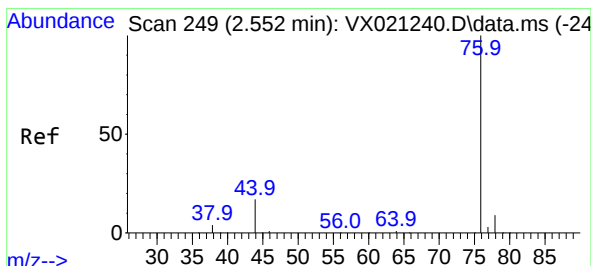
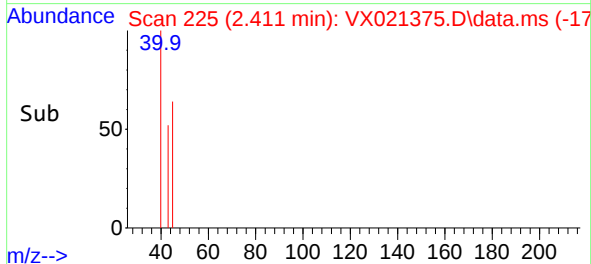
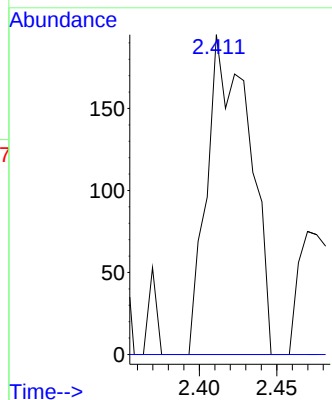
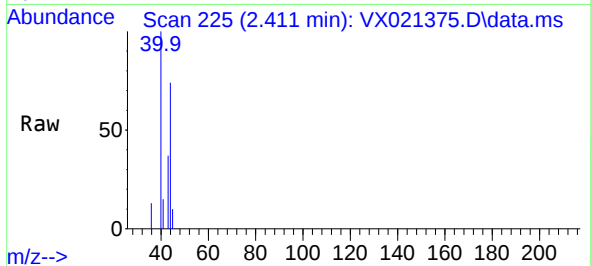




#16  
Acetone  
Concen: 0.82 ug/l  
RT: 2.411 min Scan# 225  
Delta R.T. -0.012 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

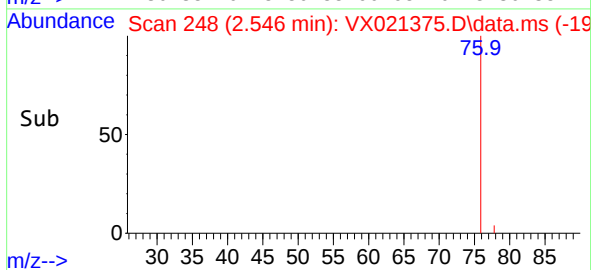
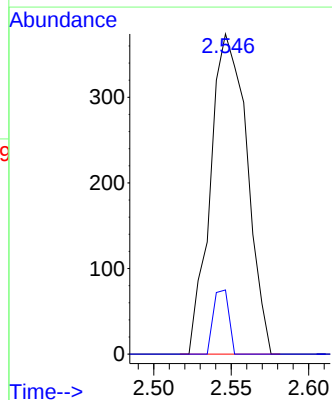
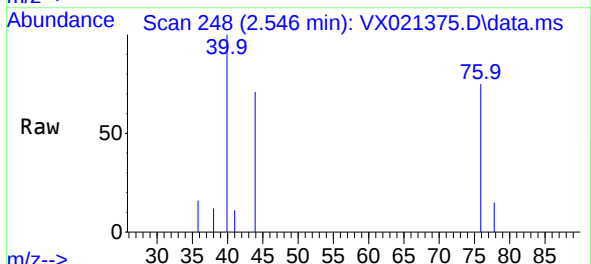
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

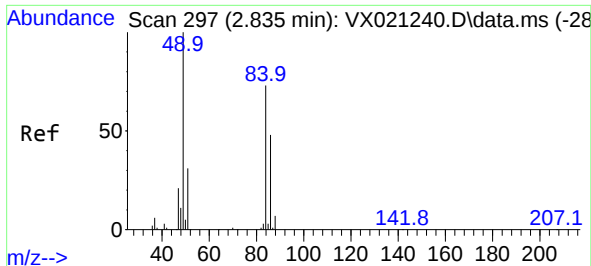
Tgt Ion: 43 Resp: 371  
Ion Ratio Lower Upper  
43 100  
58 0.0 27.8 41.8#



#17  
Carbon Disulfide  
Concen: 0.81 ug/l  
RT: 2.546 min Scan# 248  
Delta R.T. -0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion: 76 Resp: 614  
Ion Ratio Lower Upper  
76 100  
78 20.1 7.2 10.8#



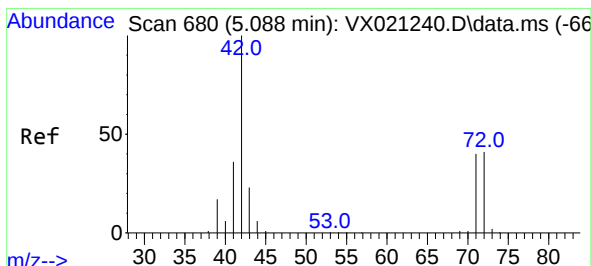
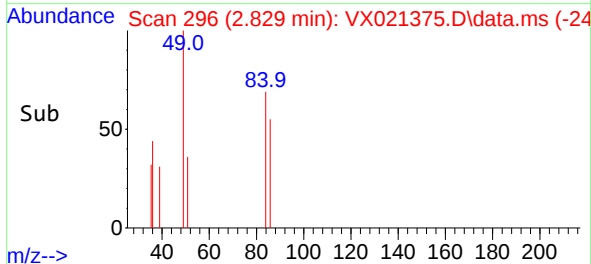
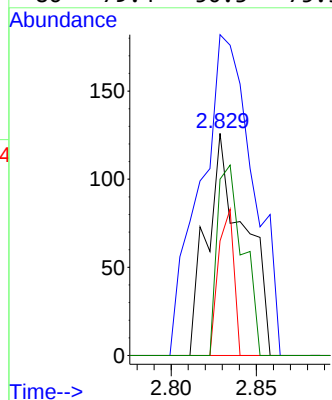
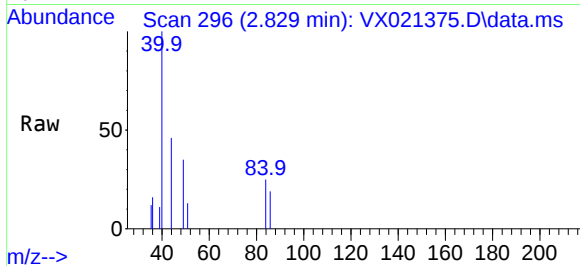


#20  
Methylene Chloride  
Concen: 0.21 ug/l  
RT: 2.829 min Scan# 296  
Delta R.T. -0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

Tgt Ion: 84 Resp: 192

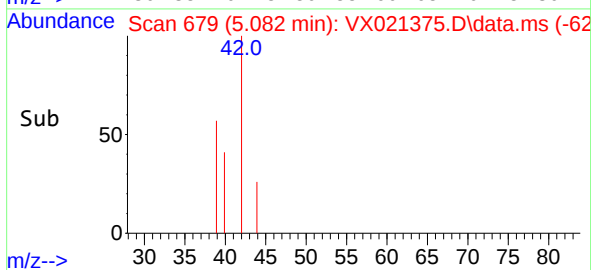
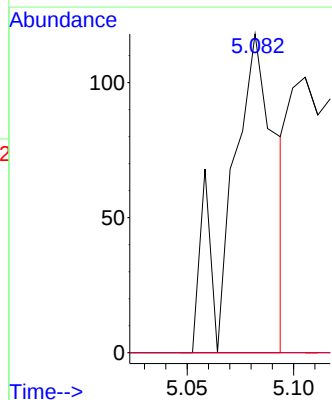
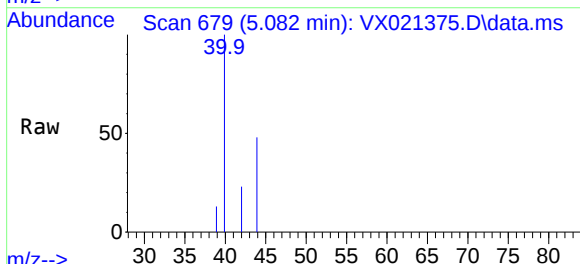
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 84  | 100   |       |        |
| 49  | 144.4 | 88.6  | 132.8# |
| 51  | 51.6  | 27.0  | 40.6#  |
| 86  | 79.4  | 50.3  | 75.5#  |

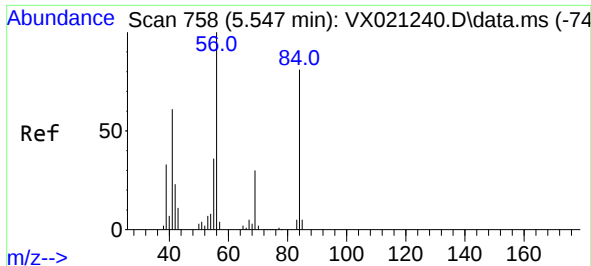


#29  
Tetrahydrofuran  
Concen: 0.38 ug/l  
RT: 5.082 min Scan# 679  
Delta R.T. -0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion: 42 Resp: 176

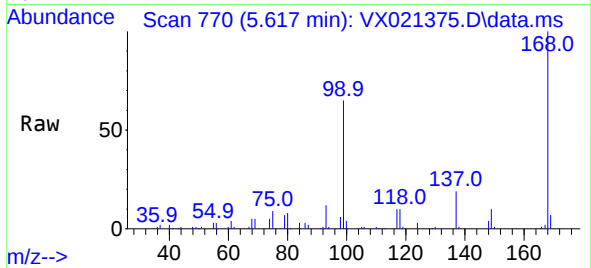
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 0.0   | 41.7  | 62.5# |
| 71  | 0.0   | 38.4  | 57.6# |



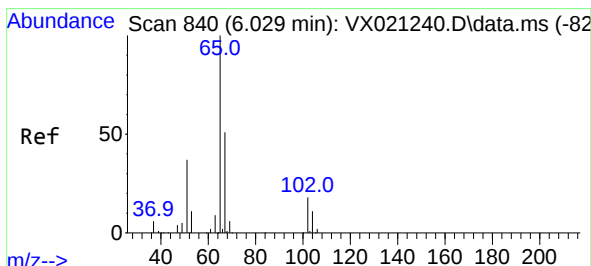
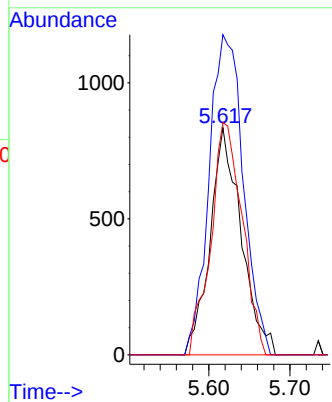
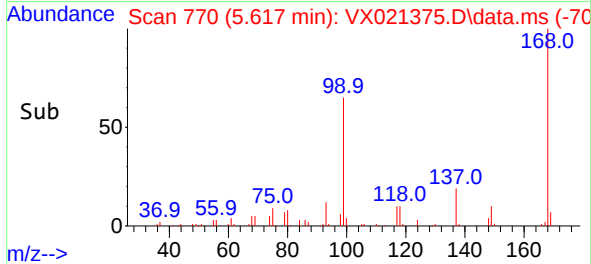


#31  
Cyclohexane  
Concen: 1.50 ug/l  
RT: 5.617 min Scan# 770  
Delta R.T. 0.070 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

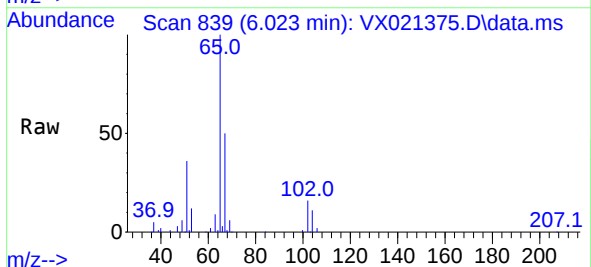
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01



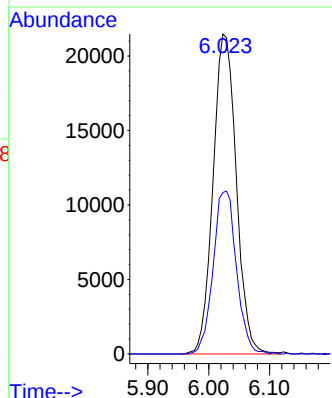
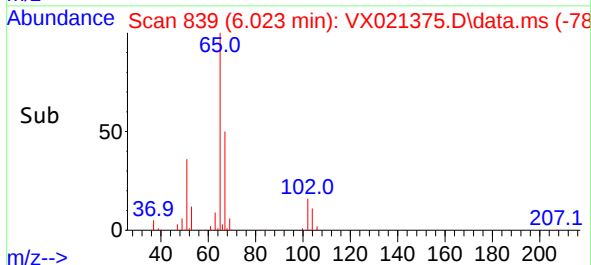
Tgt Ion: 56 Resp: 2228  
Ion Ratio Lower Upper  
56 100  
69 141.0 25.3 37.9#  
84 102.3 71.4 107.0

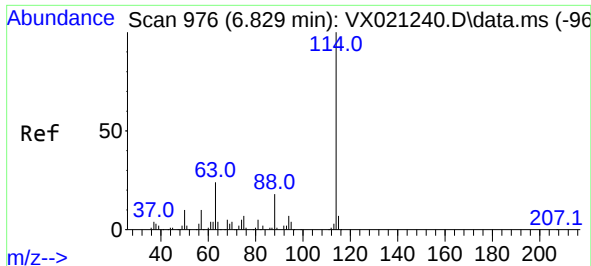


#33  
1,2-Dichloroethane-d4  
Concen: 46.27 ug/l  
RT: 6.023 min Scan# 839  
Delta R.T. -0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09



Tgt Ion: 65 Resp: 56933  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 105.4



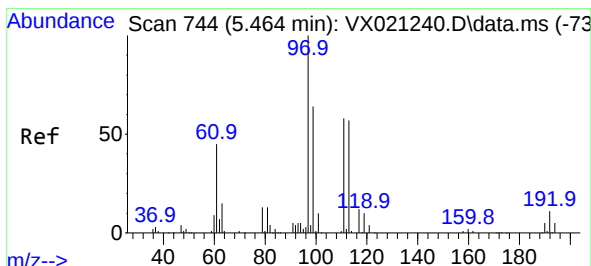
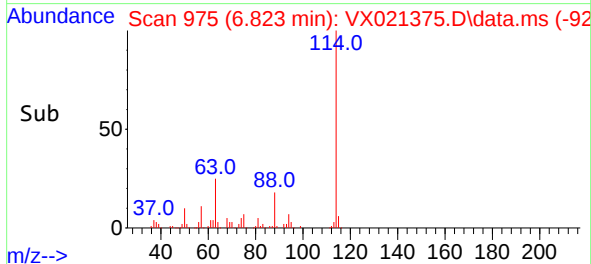
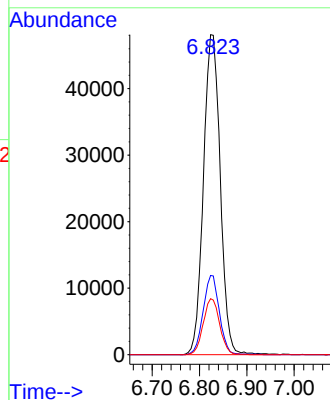
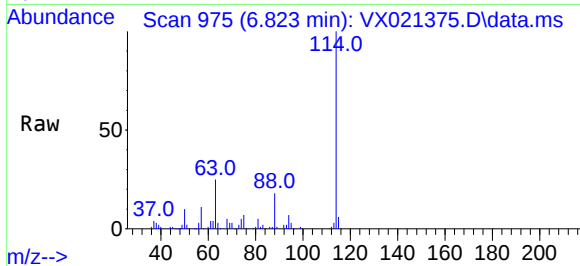


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.823 min Scan# 975  
Delta R.T. -0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

Tgt Ion:114 Resp: 118727

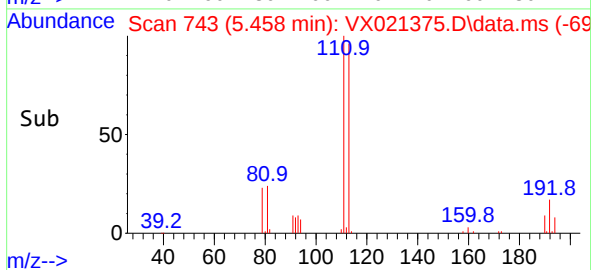
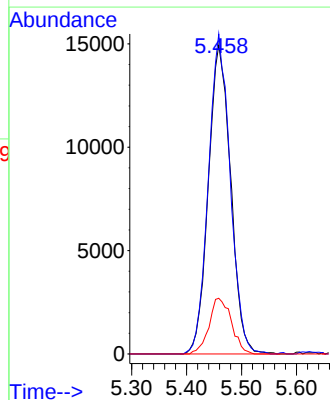
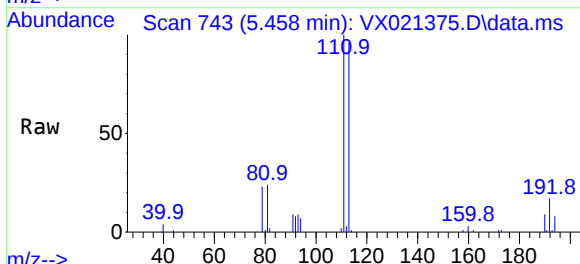
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 24.7  | 0.0   | 40.8  |
| 88  | 17.5  | 0.0   | 32.8  |

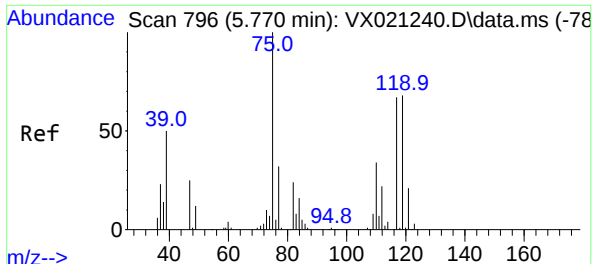


#35  
Dibromofluoromethane  
Concen: 52.09 ug/l  
RT: 5.458 min Scan# 743  
Delta R.T. -0.006 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion:113 Resp: 42083

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.7 | 81.9  | 122.9 |
| 192 | 18.1  | 16.7  | 25.1  |



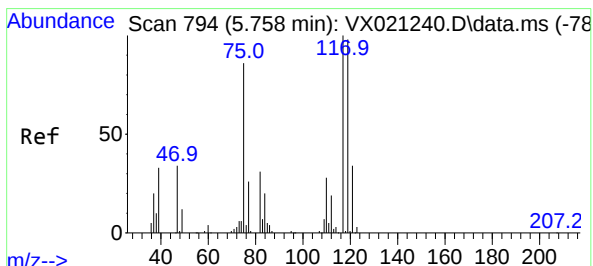
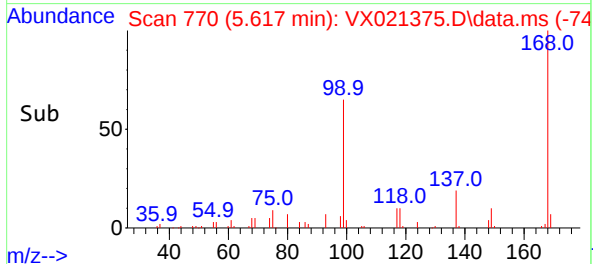
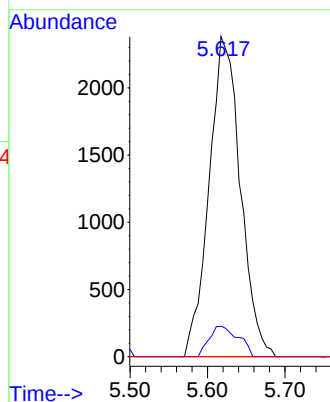
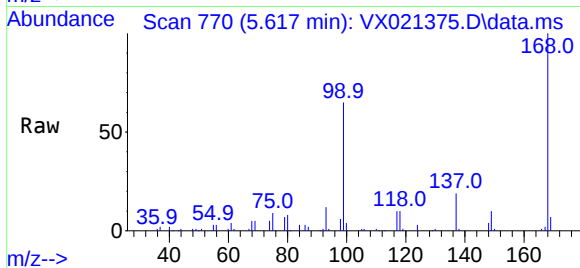


#36

1,1-Dichloropropene  
Concen: 5.58 ug/l  
RT: 5.617 min Scan# 770  
Delta R.T. -0.153 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

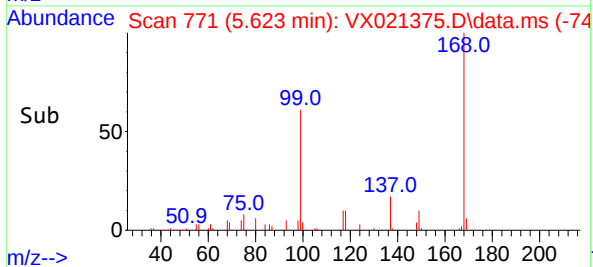
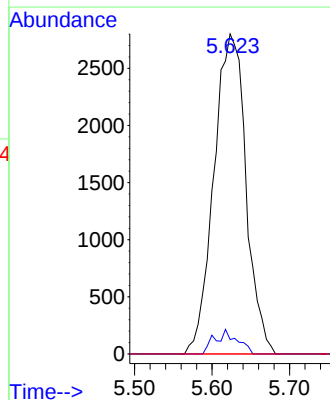
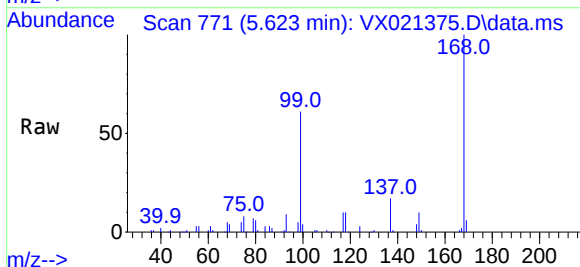
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 6677  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 8.9   | 18.1  | 54.4# |
| 77       | 0.0   | 25.3  | 37.9# |

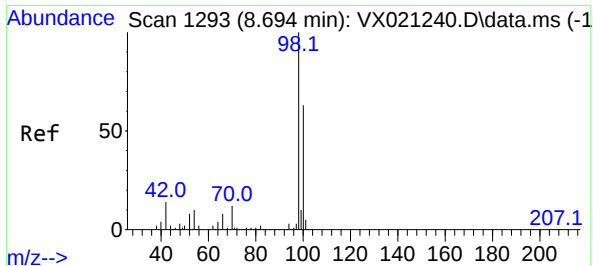


#38

Carbon Tetrachloride  
Concen: 6.50 ug/l  
RT: 5.623 min Scan# 771  
Delta R.T. -0.135 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 8076   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 4.5   | 76.2  | 114.2# |
| 121      | 0.0   | 24.8  | 37.2#  |

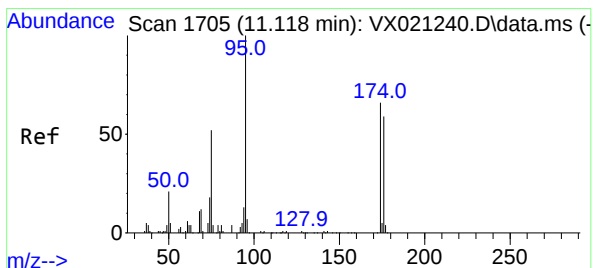
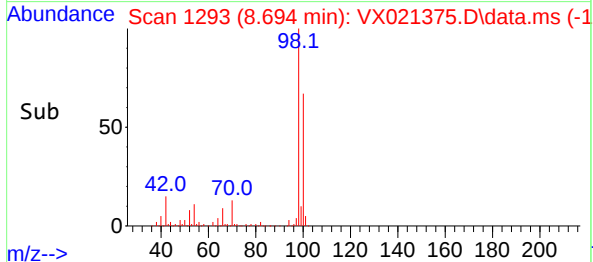
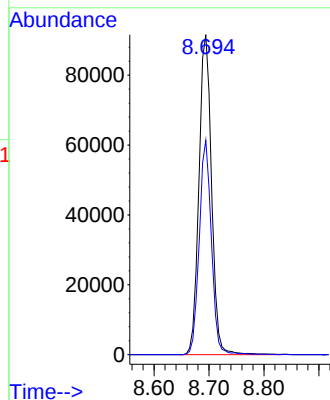
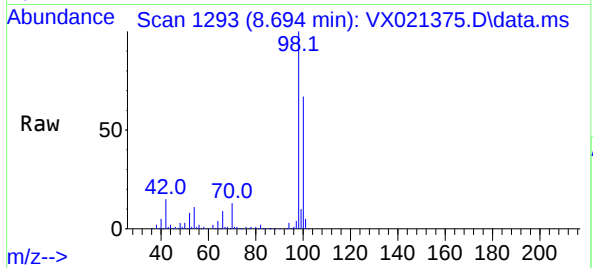




#50  
Toluene-d8  
Concen: 49.86 ug/l  
RT: 8.694 min Scan# 1293  
Delta R.T. 0.000 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

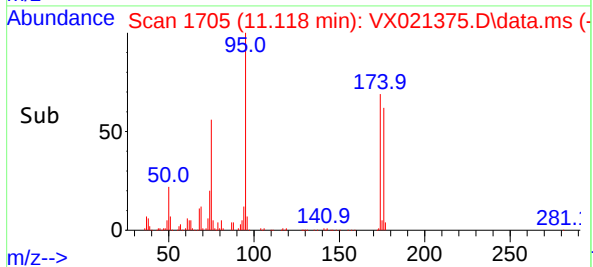
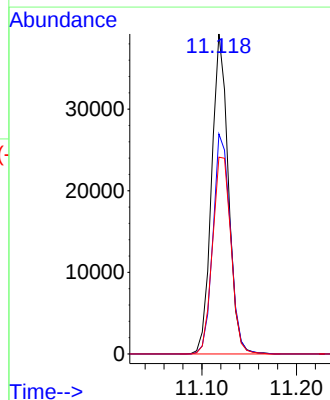
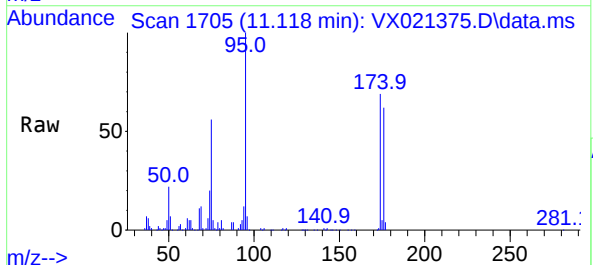
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

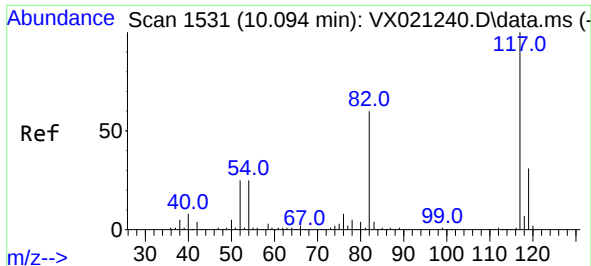
Tgt Ion: 98 Resp: 146154  
Ion Ratio Lower Upper  
98 100  
100 64.7 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 42.13 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.000 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion: 95 Resp: 47961  
Ion Ratio Lower Upper  
95 100  
174 71.7 0.0 154.6  
176 68.0 0.0 155.8

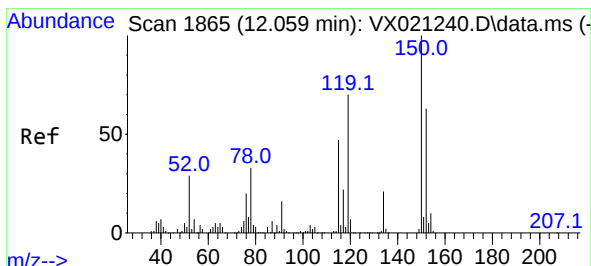
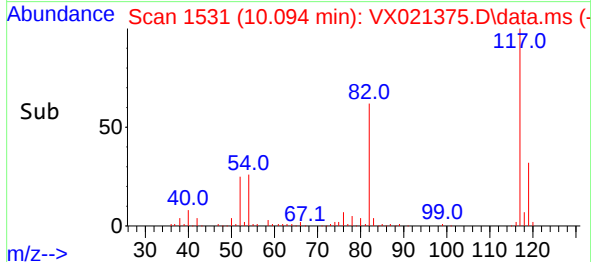
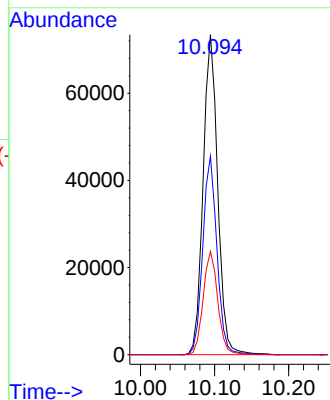
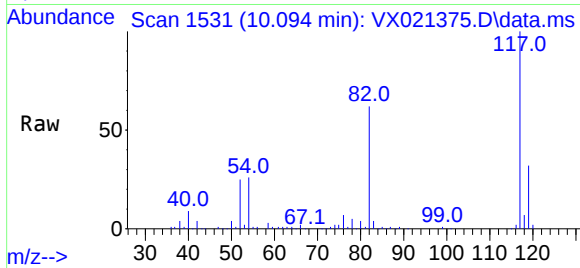




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.094 min Scan# 1531  
Delta R.T. 0.000 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

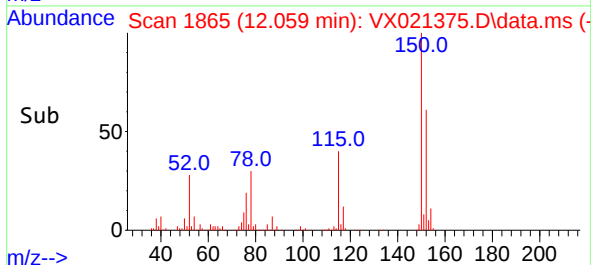
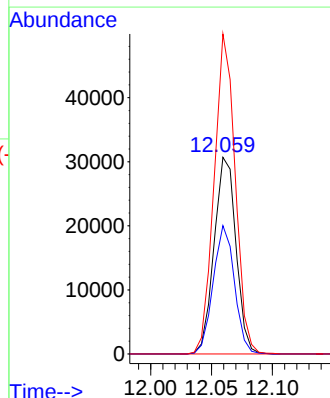
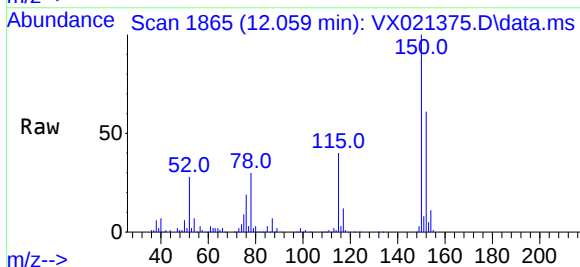
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

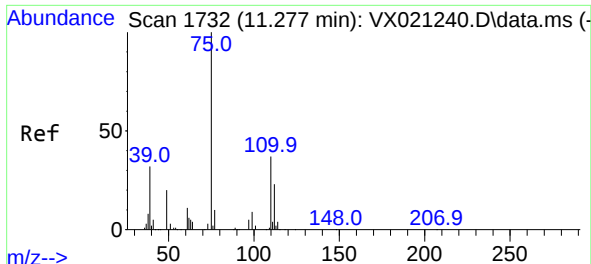
Tgt Ion:117 Resp: 100365  
Ion Ratio Lower Upper  
117 100  
82 62.1 47.4 71.2  
119 32.3 26.6 39.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.059 min Scan# 1865  
Delta R.T. 0.000 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion:152 Resp: 38436  
Ion Ratio Lower Upper  
152 100  
115 63.5 41.1 123.3  
150 156.3 0.0 349.0

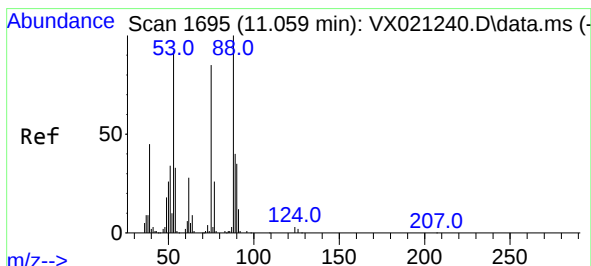
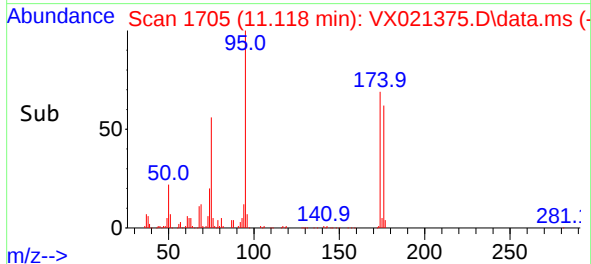
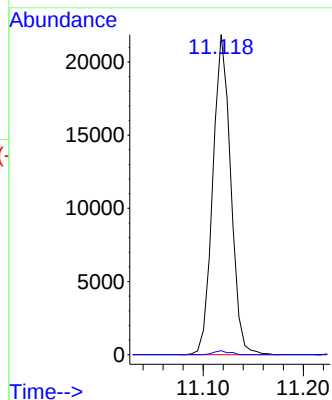
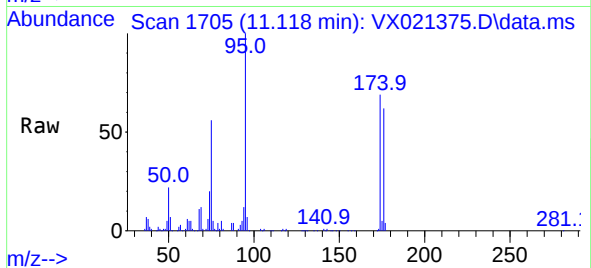




#76  
1,2,3-Trichloropropane  
Concen: 30.35 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. -0.159 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

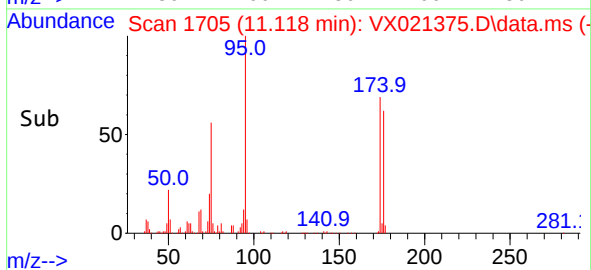
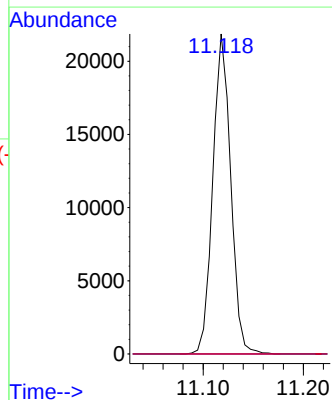
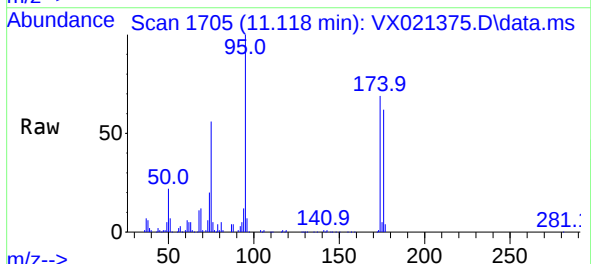
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0323MBL01

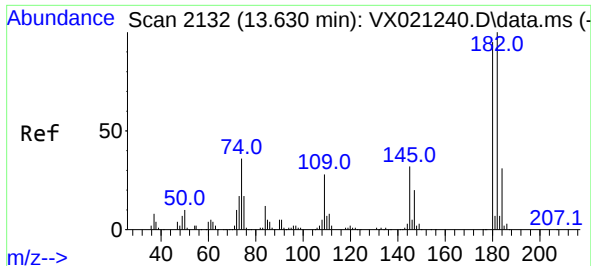
Tgt Ion: 75 Resp: 27063  
Ion Ratio Lower Upper  
75 100  
77 1.1 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.41 ug/l  
RT: 11.118 min Scan# 1705  
Delta R.T. 0.059 min  
Lab File: VX021375.D  
Acq: 23 Mar 2021 11:09

Tgt Ion: 75 Resp: 27063  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.5 111.7#  
89 0.0 37.9 56.9#





#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.23 ug/l  
 RT: 13.630 min Scan# 2132  
 Delta R.T. 0.000 min  
 Lab File: VX021375.D  
 Acq: 23 Mar 2021 11:09

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0323MBL01

Tgt Ion:180 Resp: 183  
 Ion Ratio Lower Upper  
 180 100  
 182 105.5 47.7 143.1  
 145 14.2 15.0 45.0#

