

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070723\  
 Data File : VX036467.D  
 Acq On : 07 Jul 2023 17:51  
 Operator : JC/MD  
 Sample : 03525-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 50055

Quant Time: Jul 07 23:08:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 23 15:03:28 2023  
 Response via : Initial Calibration

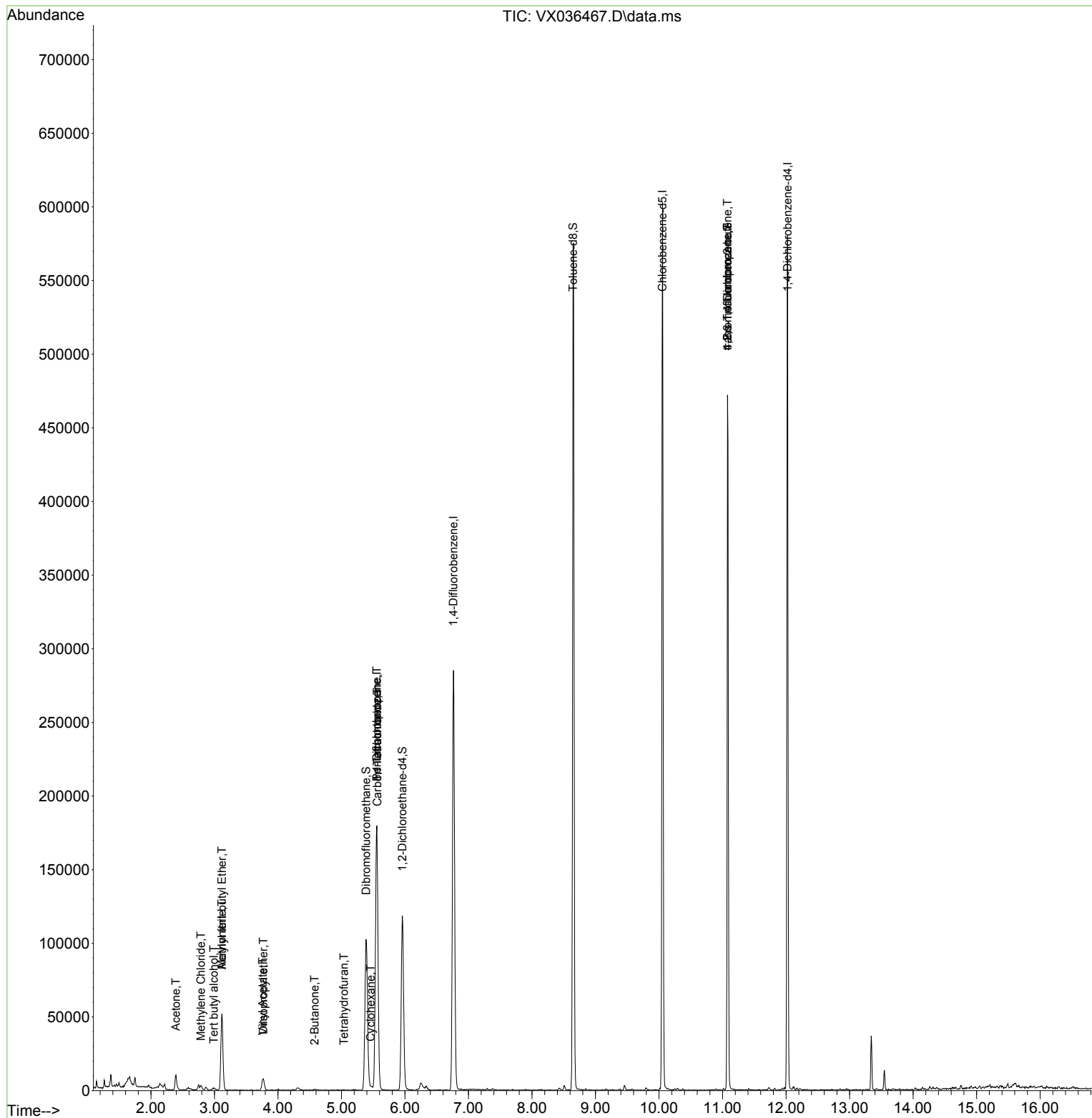
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) Pentafluorobenzene         | 5.556          | 168  | 166139     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763          | 114  | 288486     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055         | 117  | 267598     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024         | 152  | 120008     | 50.000  | ug/l   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958          | 65   | 110535     | 46.414  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = | 92.820% |        |          |
| 35) Dibromofluoromethane      | 5.385          | 113  | 89822      | 47.220  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = | 94.440% |        |          |
| 50) Toluene-d8                | 8.647          | 98   | 351376     | 49.457  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = | 98.920% |        |          |
| 62) 4-Bromofluorobenzene      | 11.079         | 95   | 123362     | 49.295  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = | 98.600% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        | Qvalue   |
| 11) Tert butyl alcohol        | 2.989          | 59   | 2783       | 6.420   | ug/l # | 78       |
| 15) Acrylonitrile             | 3.117          | 53   | 765        | 0.696   | ug/l # | 22       |
| 16) Acetone                   | 2.392          | 43   | 12363      | 12.145  | ug/l   | 92       |
| 19) Methyl tert-butyl Ether   | 3.117          | 73   | 57234      | 9.380   | ug/l   | 100      |
| 20) Methylene Chloride        | 2.788          | 84   | 1522       | 0.694   | ug/l # | 70       |
| 22) Diisopropyl ether         | 3.770          | 45   | 8749       | 1.423   | ug/l # | 68       |
| 23) Vinyl Acetate             | 3.757          | 43   | 4899       | 1.098   | ug/l # | 73       |
| 25) 2-Butanone                | 4.574          | 43   | 555        | 0.379   | ug/l   | 95       |
| 29) Tetrahydrofuran           | 5.038          | 42   | 206        | 0.221   | ug/l # | 41       |
| 31) Cyclohexane               | 5.458          | 56   | 846        | 0.277   | ug/l   | 94       |
| 36) 1,1-Dichloropropene       | 5.556          | 75   | 13173      | 4.646   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.562          | 117  | 17264      | 6.666   | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079         | 75   | 64091      | 25.037  | ug/l # | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079         | 75   | 64091      | 81.616  | ug/l # | 5        |
| -----                         |                |      |            |         |        |          |

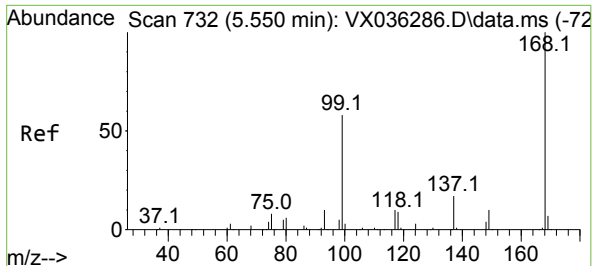
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX070723\  
Data File : VX036467.D  
Acq On : 07 Jul 2023 17:51  
Operator : JC/MD  
Sample : 03525-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

Quant Time: Jul 07 23:08:36 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X062323W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 23 15:03:28 2023  
Response via : Initial Calibration

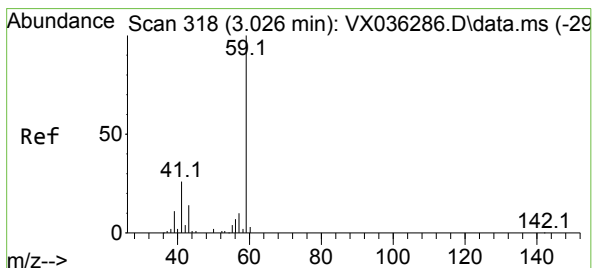
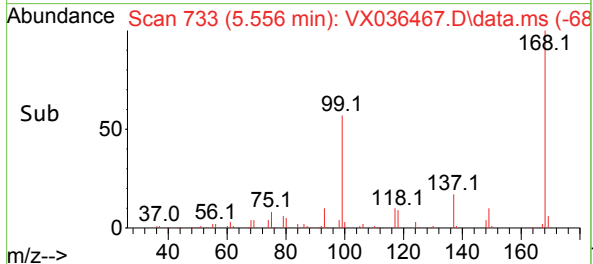
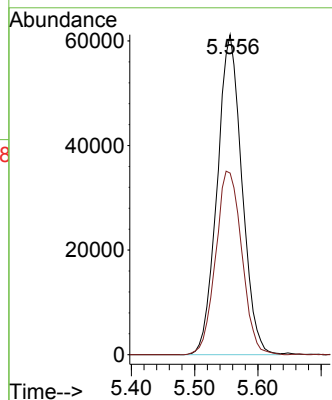
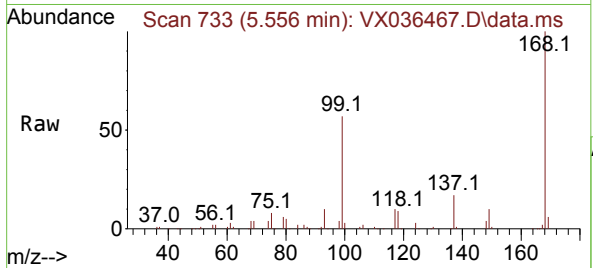




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

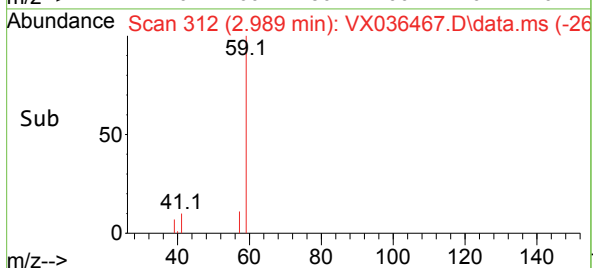
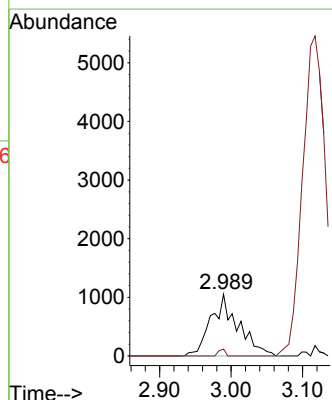
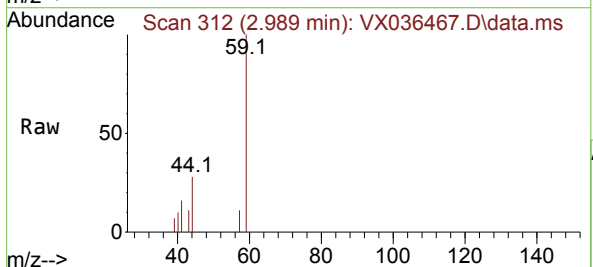
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

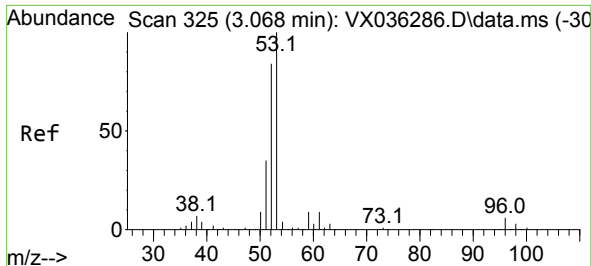
Tgt Ion:168 Resp: 166139  
Ion Ratio Lower Upper  
168 100  
99 56.7 56.6 85.0



#11  
Tert butyl alcohol  
Concen: 6.420 ug/l  
RT: 2.989 min Scan# 312  
Delta R.T. -0.024 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion: 59 Resp: 2783  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.0 9.0#

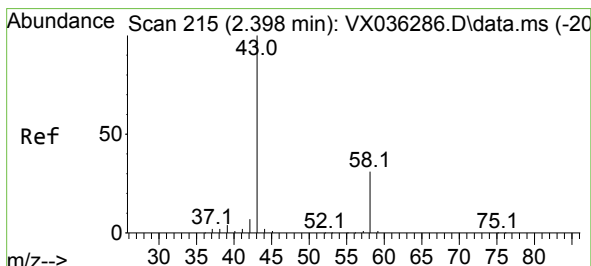
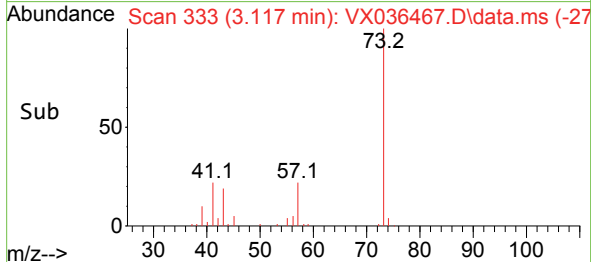
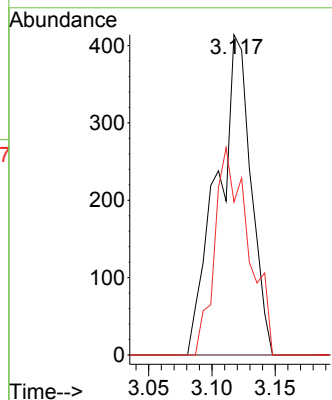
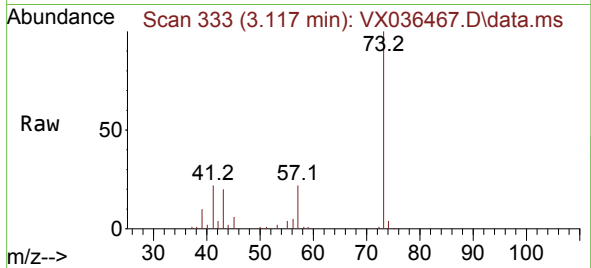




#15  
Acrylonitrile  
Concen: 0.696 ug/l  
RT: 3.117 min Scan# 31  
Delta R.T. 0.043 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

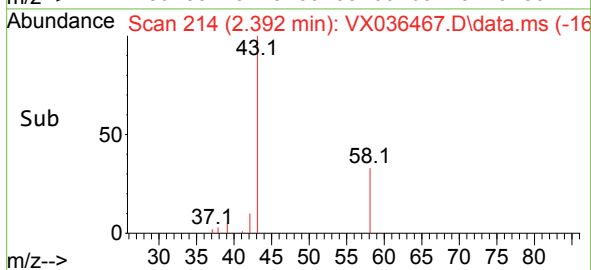
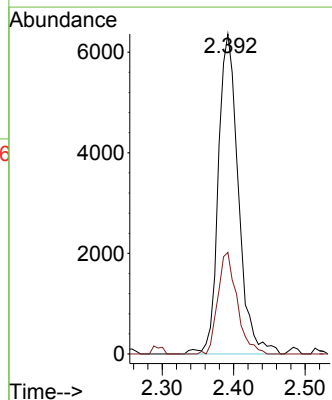
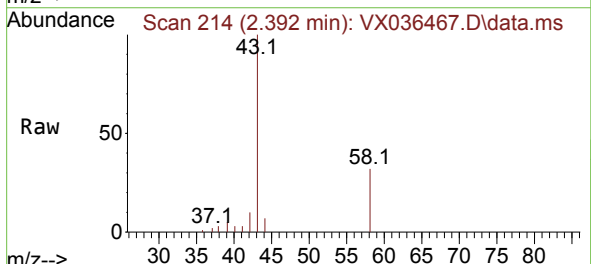
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

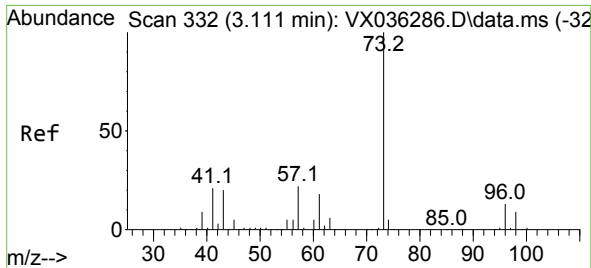
Tgt Ion: 53 Resp: 765  
Ion Ratio Lower Upper  
53 100  
52 0.0 66.0 99.0#  
51 64.7 29.8 44.6#



#16  
Acetone  
Concen: 12.145 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.012 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion: 43 Resp: 12363  
Ion Ratio Lower Upper  
43 100  
58 31.7 21.9 32.9

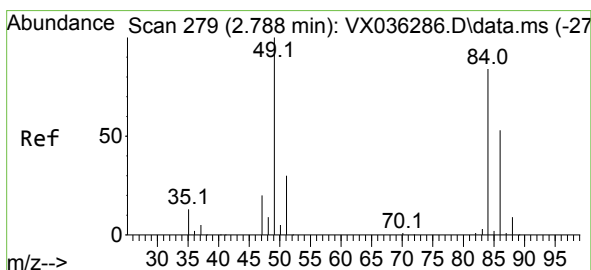
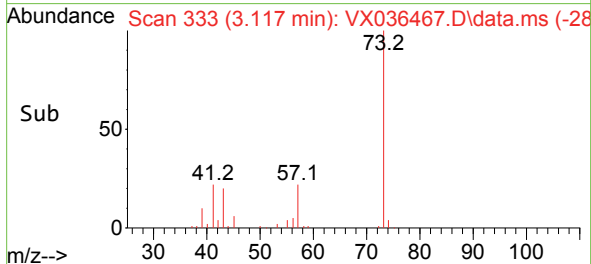
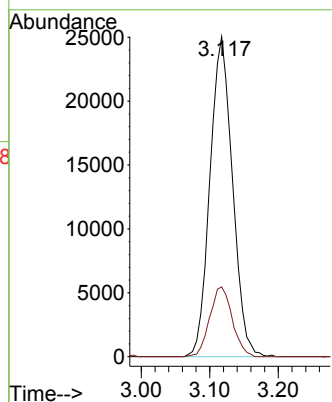
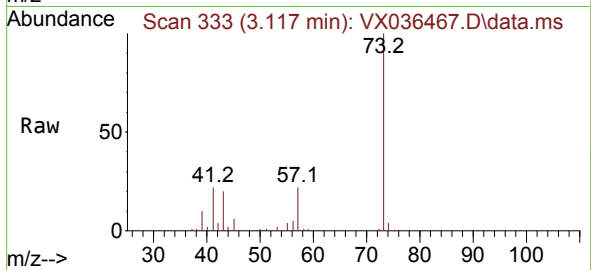




#19  
Methyl tert-butyl Ether  
Concen: 9.380 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

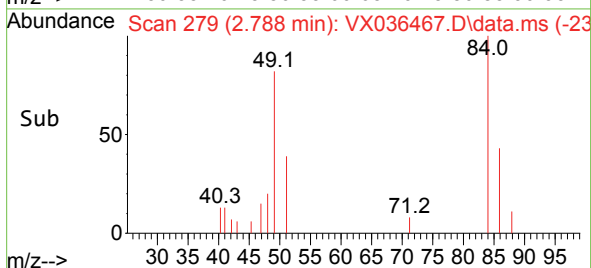
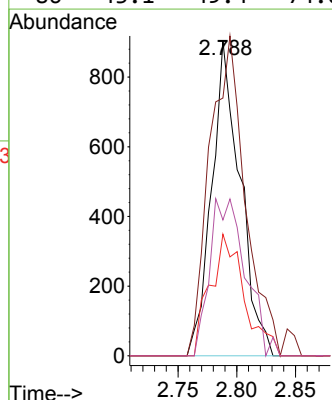
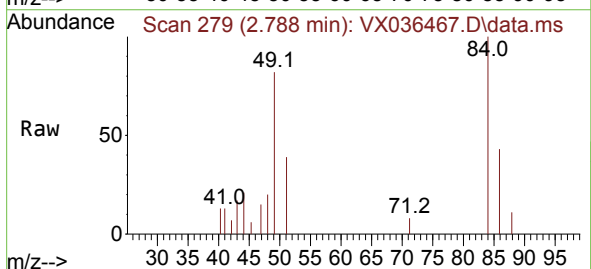
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

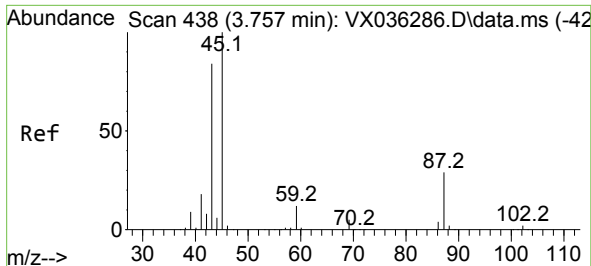
Tgt Ion: 73 Resp: 57234  
Ion Ratio Lower Upper  
73 100  
57 21.8 17.3 25.9



#20  
Methylene Chloride  
Concen: 0.694 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.000 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion: 84 Resp: 1522  
Ion Ratio Lower Upper  
84 100  
49 81.9 103.6 155.4#  
51 38.6 33.8 50.6  
86 43.1 49.4 74.0#

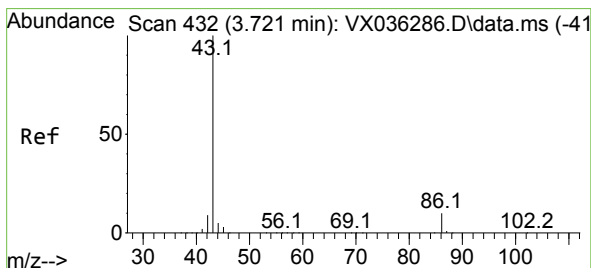
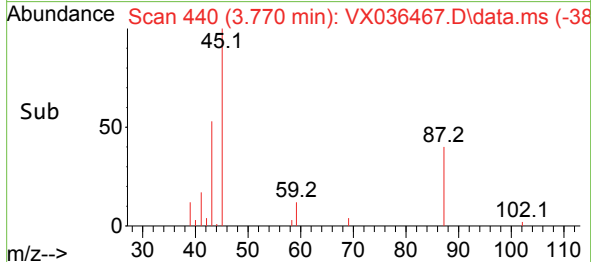
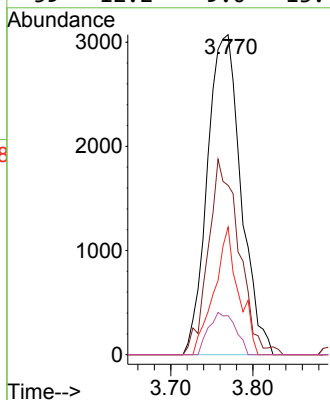
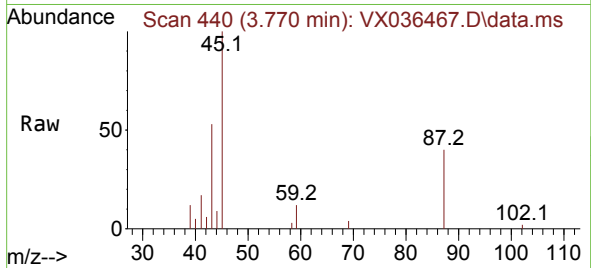




#22  
Diisopropyl ether  
Concen: 1.423 ug/l  
RT: 3.770 min Scan# 440  
Delta R.T. 0.013 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

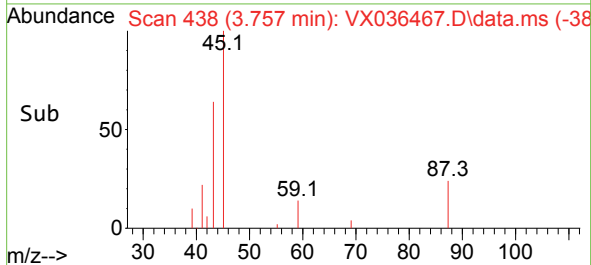
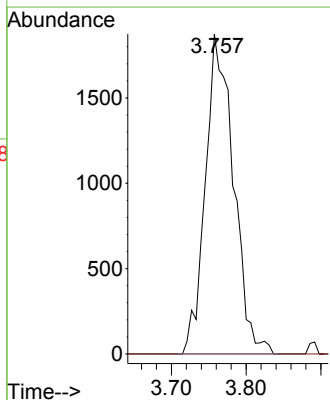
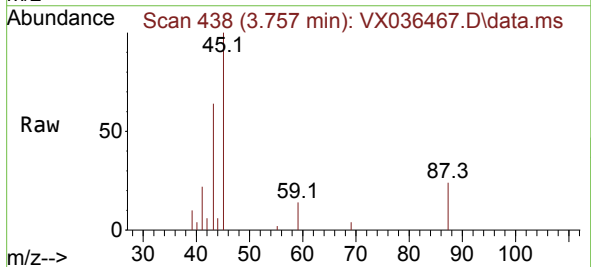
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

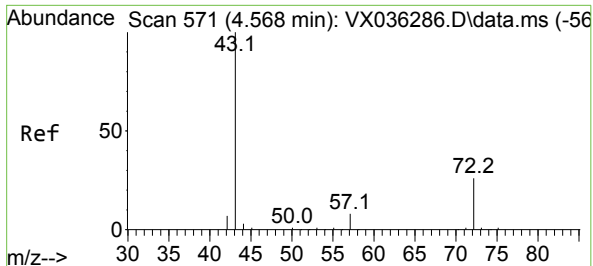
Tgt Ion: 45 Resp: 8749  
Ion Ratio Lower Upper  
45 100  
43 52.9 69.7 104.5#  
87 39.8 20.8 31.2#  
59 12.2 9.0 13.4



#23  
Vinyl Acetate  
Concen: 1.098 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. 0.036 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion: 43 Resp: 4899  
Ion Ratio Lower Upper  
43 100  
86 0.0 7.8 11.8#

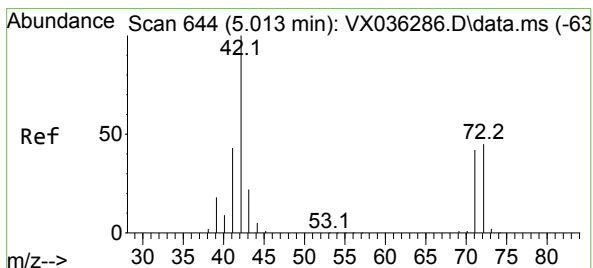
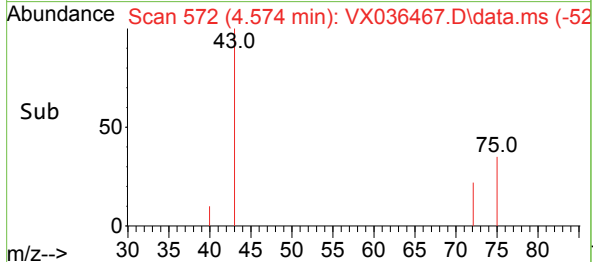
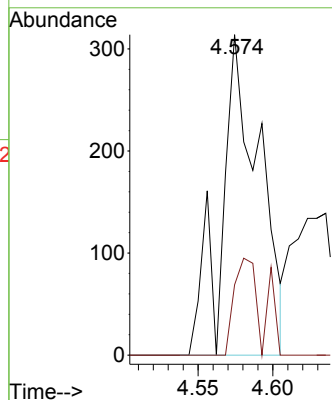
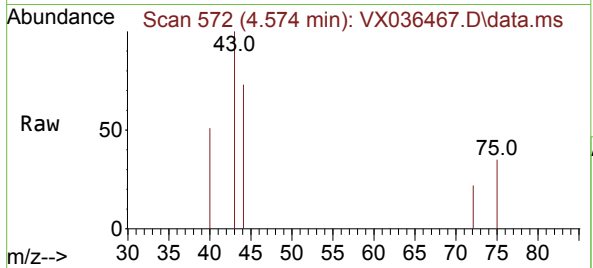




#25  
2-Butanone  
Concen: 0.379 ug/l  
RT: 4.574 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

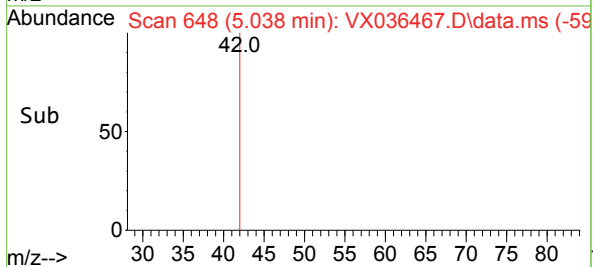
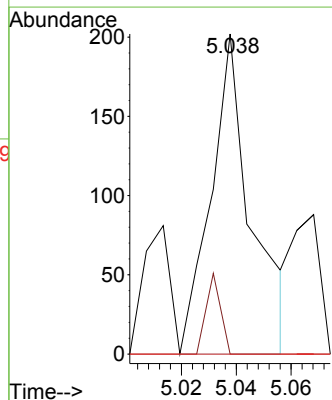
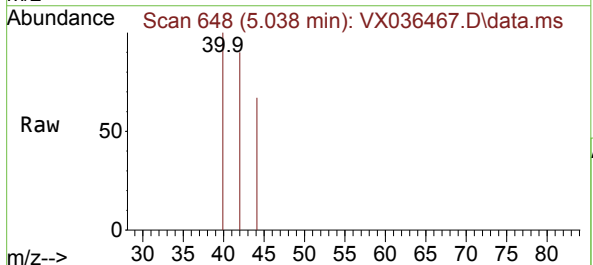
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

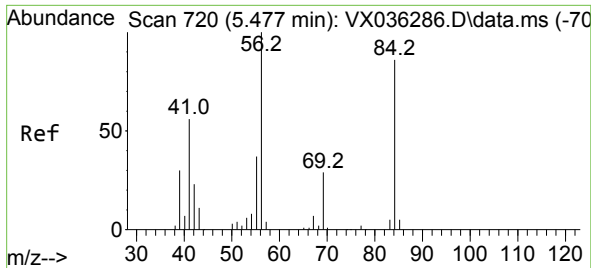
Tgt Ion: 43 Resp: 555  
Ion Ratio Lower Upper  
43 100  
72 22.0 19.4 29.2



#29  
Tetrahydrofuran  
Concen: 0.221 ug/l  
RT: 5.038 min Scan# 648  
Delta R.T. 0.019 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion: 42 Resp: 206  
Ion Ratio Lower Upper  
42 100  
72 9.2 34.2 51.4#  
71 0.0 32.2 48.2#

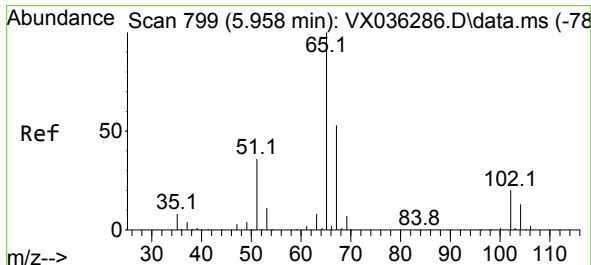
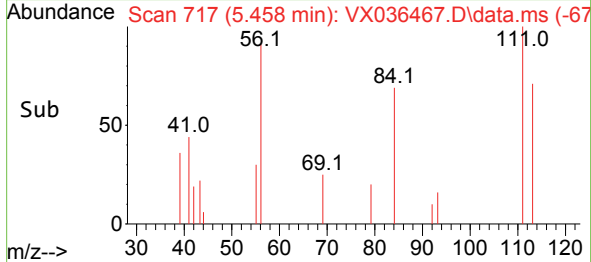
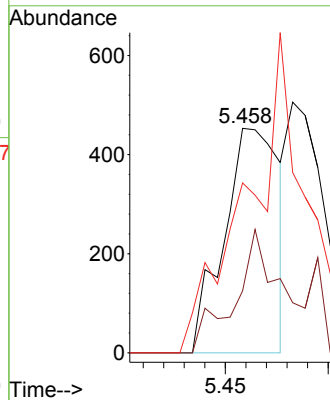
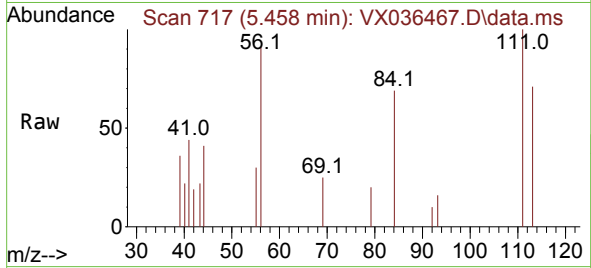




#31  
Cyclohexane  
Concen: 0.277 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.012 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

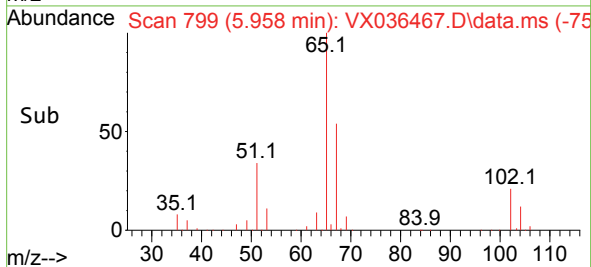
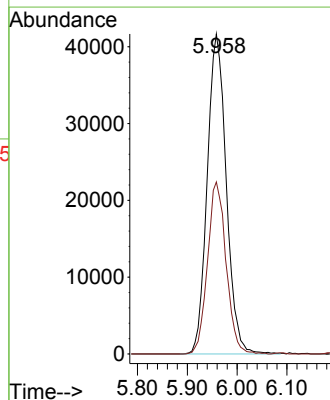
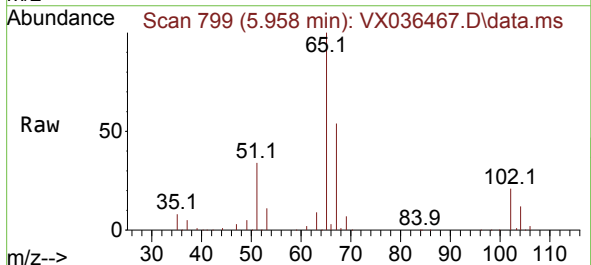
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

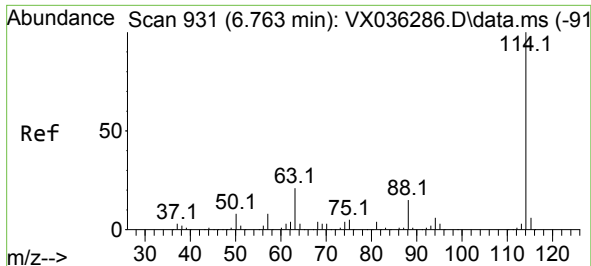
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 56 | Resp: | 846         |
| Ion         | Ratio | Lower Upper |
| 56          | 100   |             |
| 69          | 27.6  | 23.4 35.2   |
| 84          | 75.7  | 65.9 98.9   |



#33  
1,2-Dichloroethane-d4  
Concen: 46.414 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 65 | Resp: | 110535      |
| Ion         | Ratio | Lower Upper |
| 65          | 100   |             |
| 67          | 52.5  | 0.0 100.2   |

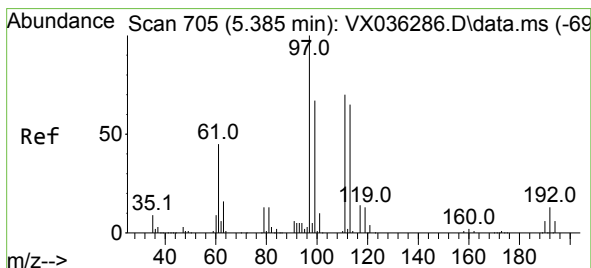
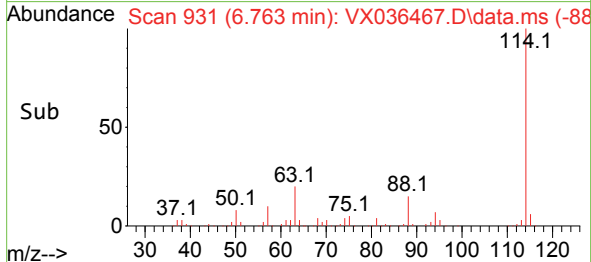
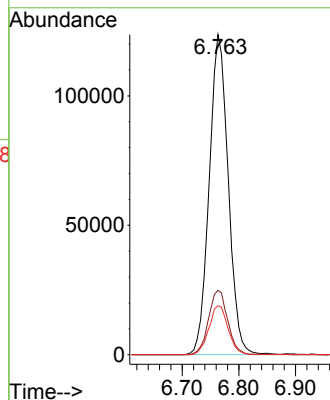
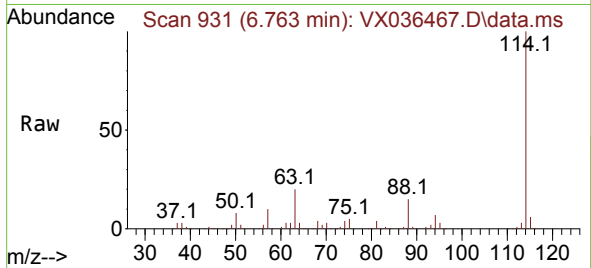




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

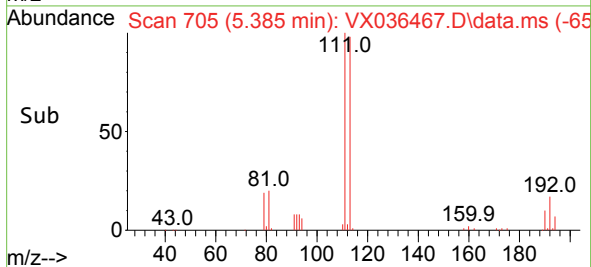
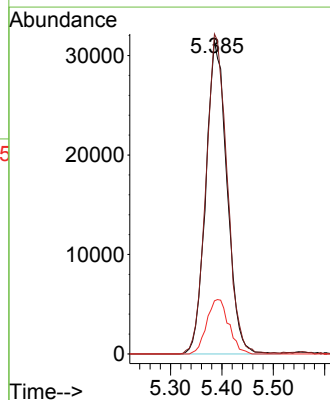
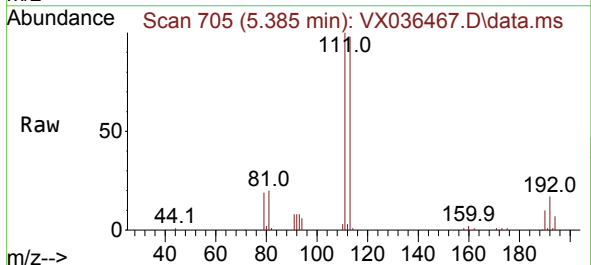
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

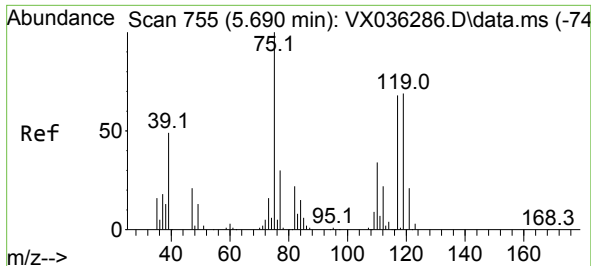
Tgt Ion:114 Resp: 288486  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 45.0  
88 15.3 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 47.220 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion:113 Resp: 89822  
Ion Ratio Lower Upper  
113 100  
111 102.3 82.9 124.3  
192 18.2 13.3 19.9

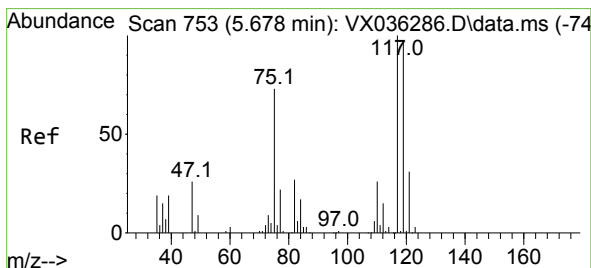
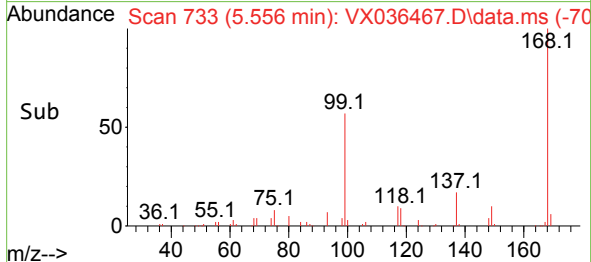
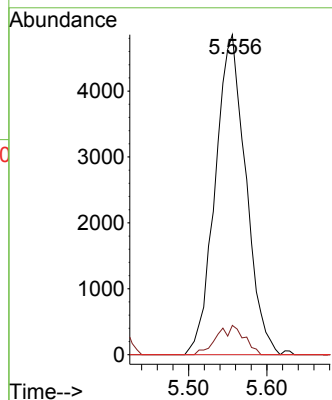
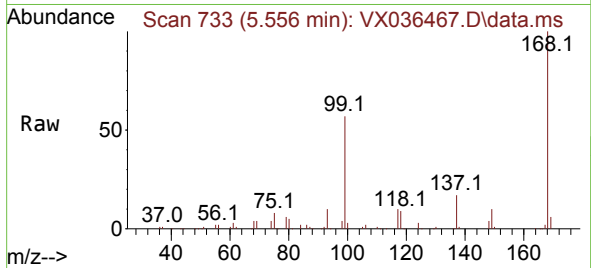




#36  
1,1-Dichloropropene  
Concen: 4.646 ug/l  
RT: 5.556 min Scan# 713  
Delta R.T. -0.140 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

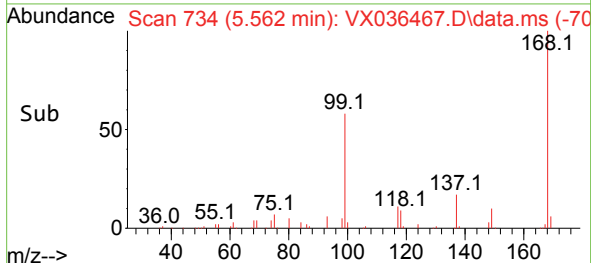
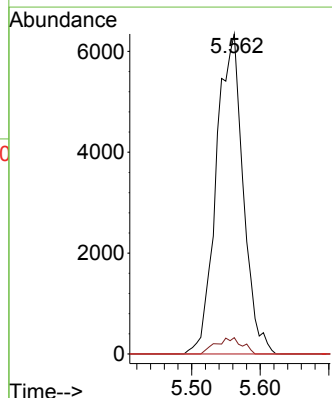
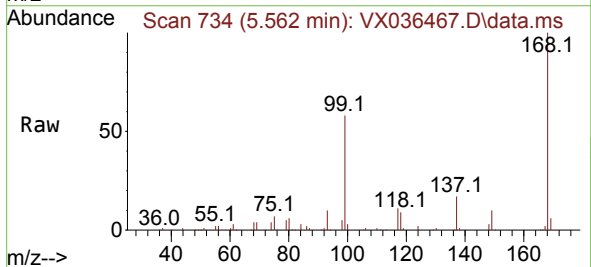
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

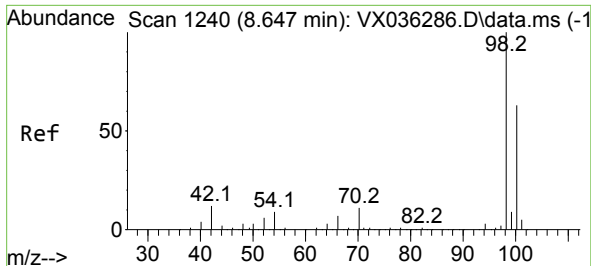
Tgt Ion: 75 Resp: 13173  
Ion Ratio Lower Upper  
75 100  
110 8.3 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.666 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.116 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion: 117 Resp: 17264  
Ion Ratio Lower Upper  
117 100  
119 5.1 78.2 117.2#  
121 0.0 24.4 36.6#

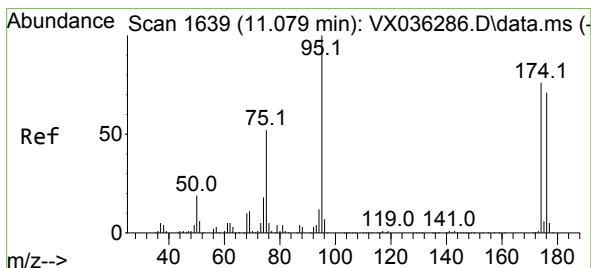
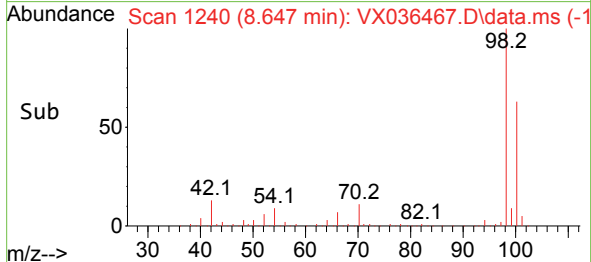
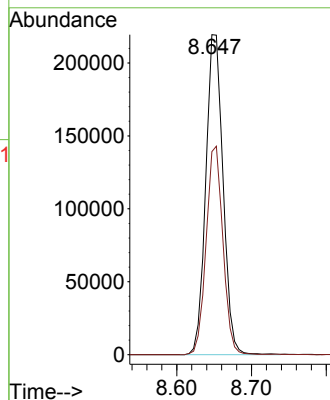
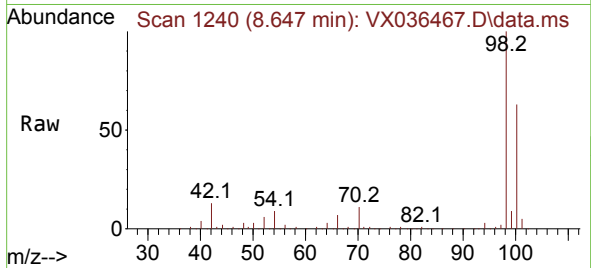




#50  
Toluene-d8  
Concen: 49.457 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

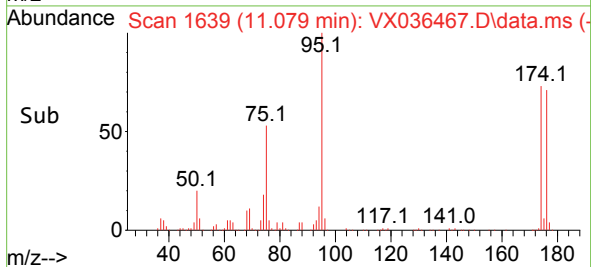
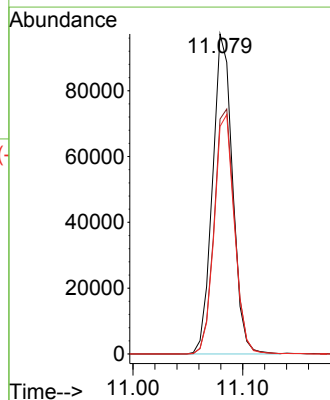
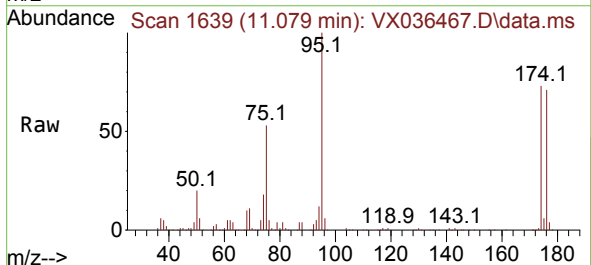
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

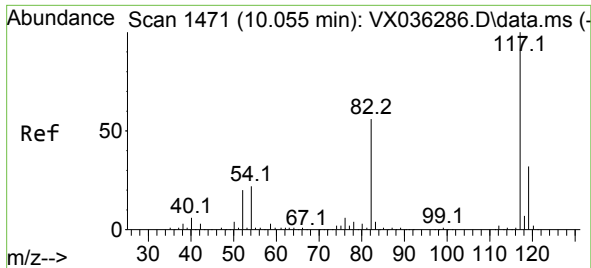
Tgt Ion: 98 Resp: 351376  
Ion Ratio Lower Upper  
98 100  
100 63.3 53.1 79.7



#62  
4-Bromofluorobenzene  
Concen: 49.295 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion: 95 Resp: 123362  
Ion Ratio Lower Upper  
95 100  
174 78.1 0.0 135.6  
176 75.6 0.0 131.0

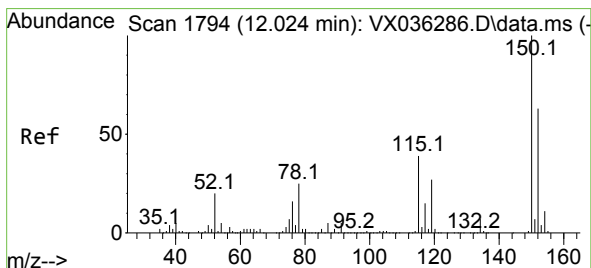
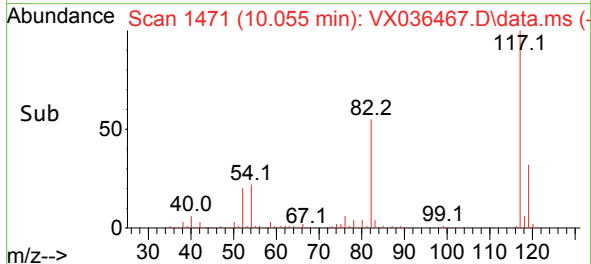
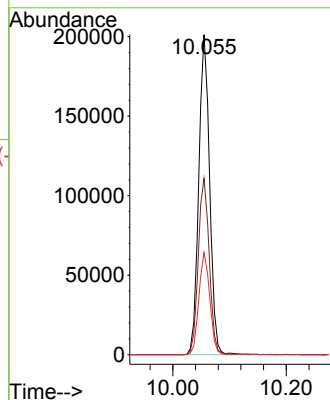
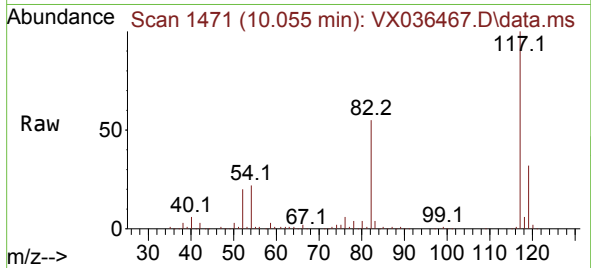




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

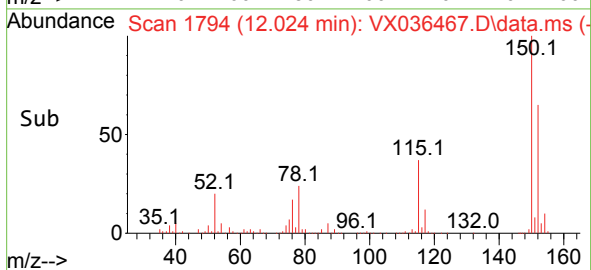
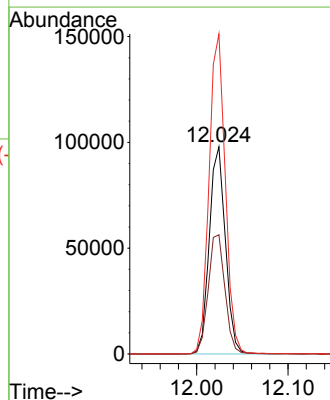
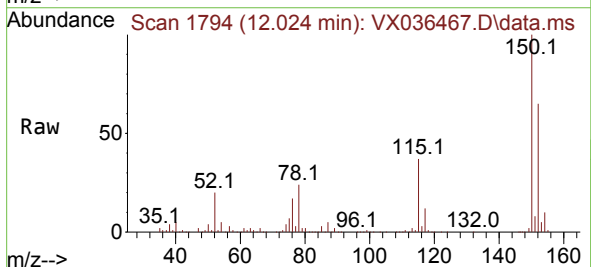
Instrument :  
MSVOA\_X  
ClientSampleId :  
50055

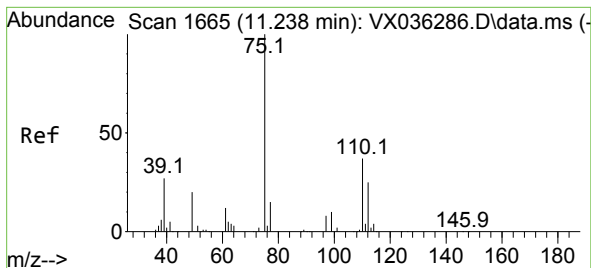
Tgt Ion:117 Resp: 267598  
Ion Ratio Lower Upper  
117 100  
82 55.1 46.2 69.4  
119 31.9 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX036467.D  
Acq: 07 Jul 2023 17:51

Tgt Ion:152 Resp: 120008  
Ion Ratio Lower Upper  
152 100  
115 59.9 43.3 129.9  
150 155.3 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 25.037 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036467.D

Acq: 07 Jul 2023 17:51

Instrument :

MSVOA\_X

ClientSampleId :

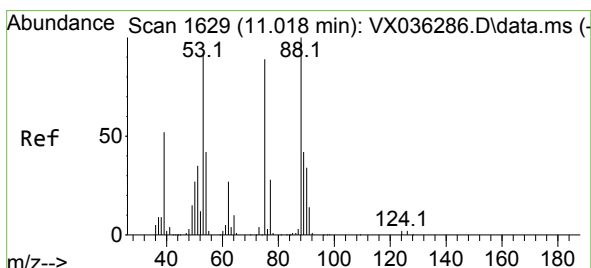
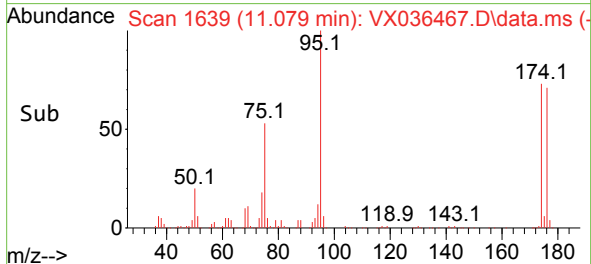
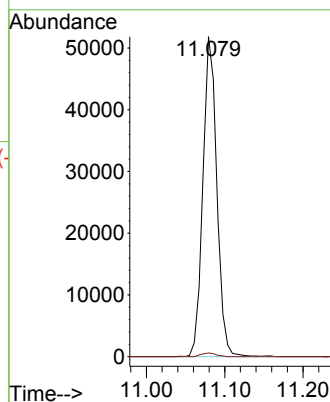
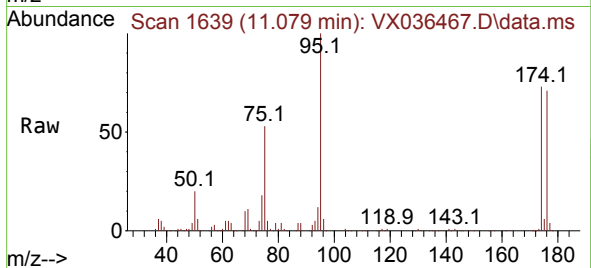
50055

Tgt Ion: 75 Resp: 64091

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 81.616 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036467.D

Acq: 07 Jul 2023 17:51

Tgt Ion: 75 Resp: 64091

Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#

