

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050523\  
 Data File : VX035533.D  
 Acq On : 05 May 2023 14:05  
 Operator : JC/MD  
 Sample : 02615-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 003-1

Quant Time: May 08 00:50:49 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

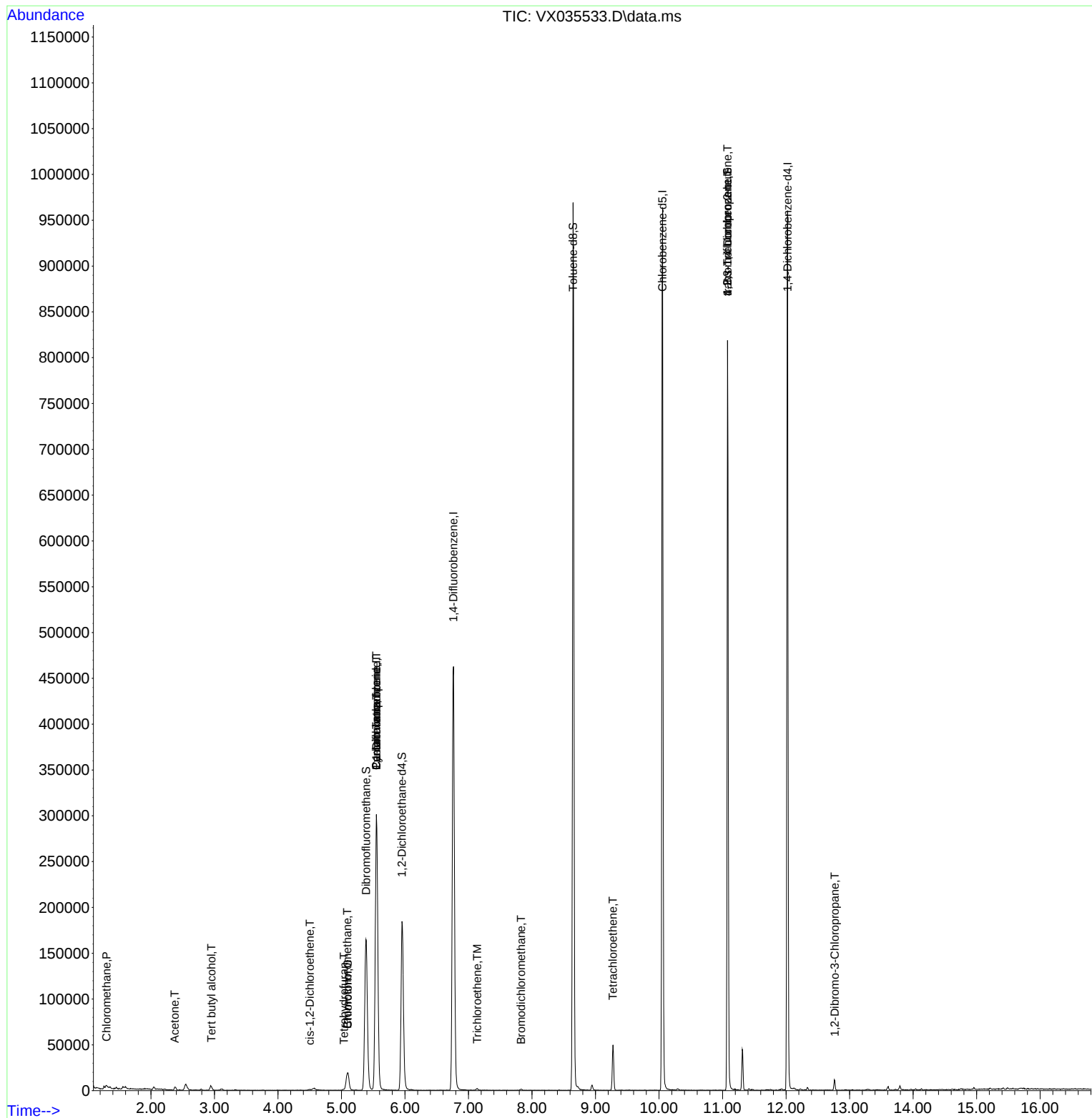
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 5.550     | 168   | 289123   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 486428   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 445344   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 209134   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.952     | 65    | 176325   | 50.550   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery | = 101.100% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 148551   | 49.757   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery | = 99.520%  |          |
| 50) Toluene-d8                | 8.647     | 98    | 572273   | 50.812   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery | = 101.620% |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 219635   | 51.841   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery | = 103.680% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 3) Chloromethane              | 1.301     | 50    | 643      | 0.231    | ug/l #     | 42       |
| 11) Tert butyl alcohol        | 2.953     | 59    | 3260     | 5.133    | ug/l #     | 73       |
| 16) Acetone                   | 2.374     | 43    | 4074     | 2.689    | ug/l       | 90       |
| 27) cis-1,2-Dichloroethene    | 4.501     | 96    | 822      | 0.229    | ug/l       | 70       |
| 28) Bromochloromethane        | 5.093     | 49    | 1819     | 0.775    | ug/l #     | 15       |
| 29) Tetrahydrofuran           | 5.038     | 42    | 1053     | 0.743    | ug/l #     | 84       |
| 30) Chloroform                | 5.099     | 83    | 24676    | 4.438    | ug/l       | 86       |
| 31) Cyclohexane               | 5.550     | 56    | 5746     | 1.161    | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 5.550     | 75    | 21676    | 4.650    | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 28296    | 6.394    | ug/l #     | 16       |
| 44) Trichloroethene           | 7.135     | 130   | 837      | 0.227    | ug/l       | 83       |
| 47) Bromodichloromethane      | 7.830     | 83    | 1199     | 0.281    | ug/l #     | 98       |
| 64) Tetrachloroethene         | 9.275     | 164   | 1413     | 0.414    | ug/l #     | 80       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 106109   | 25.435   | ug/l #     | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 106109   | 82.380   | ug/l #     | 8        |
| 92) 1,2-Dibromo-3-Chloropr... | 12.768    | 75    | 327      | 0.344    | ug/l #     | 13       |
| -----                         |           |       |          |          |            |          |

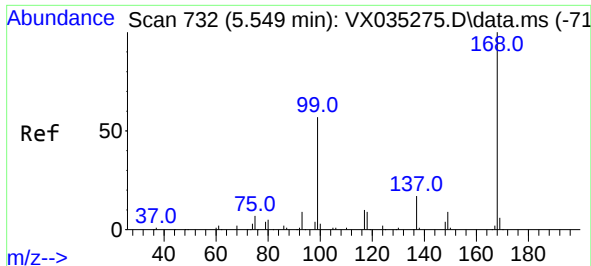
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050523\  
Data File : VX035533.D  
Acq On : 05 May 2023 14:05  
Operator : JC/MD  
Sample : 02615-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

Quant Time: May 08 00:50:49 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
Response via : Initial Calibration

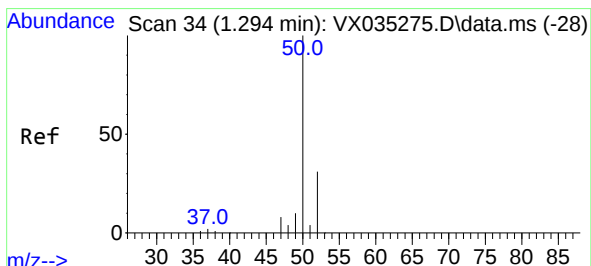
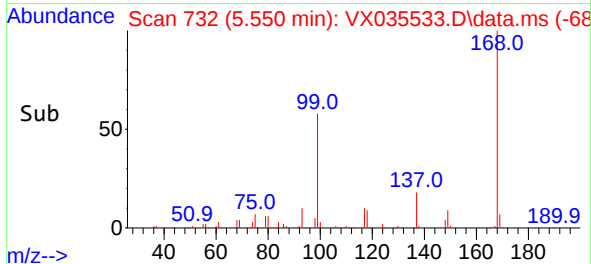
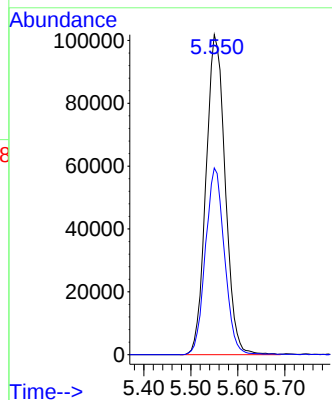
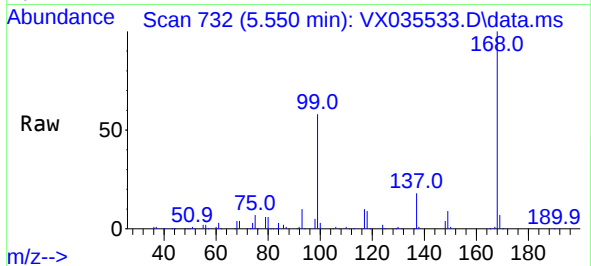




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

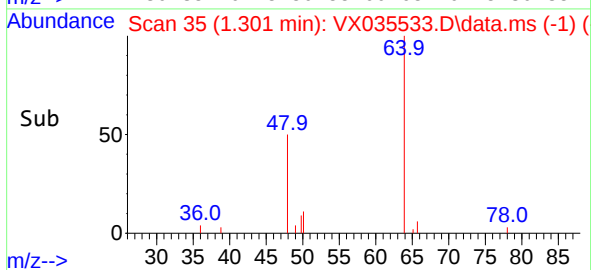
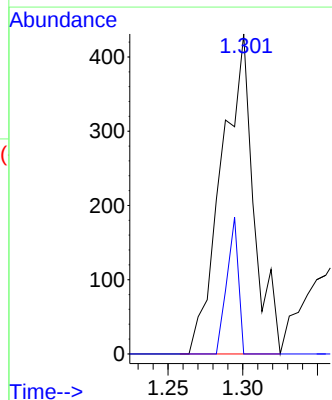
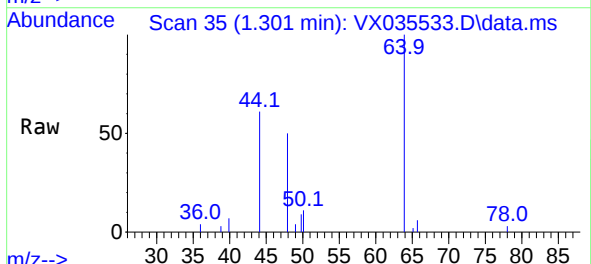
Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

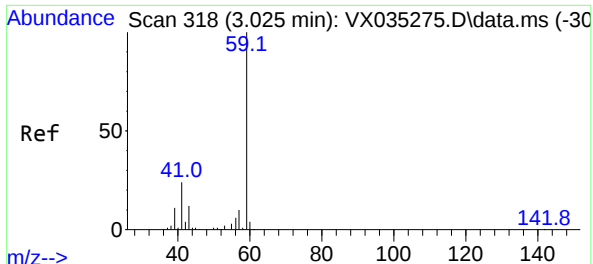
Tgt Ion:168 Resp: 289123  
Ion Ratio Lower Upper  
168 100  
99 58.4 45.7 68.5



#3  
Chloromethane  
Concen: 0.231 ug/l  
RT: 1.301 min Scan# 35  
Delta R.T. 0.007 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Tgt Ion: 50 Resp: 643  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.9 38.9#





#11

Tert butyl alcohol

Concen: 5.133 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.072 min

Lab File: VX035533.D

Acq: 05 May 2023 14:05

Instrument :

MSVOA\_X

ClientSampleId :

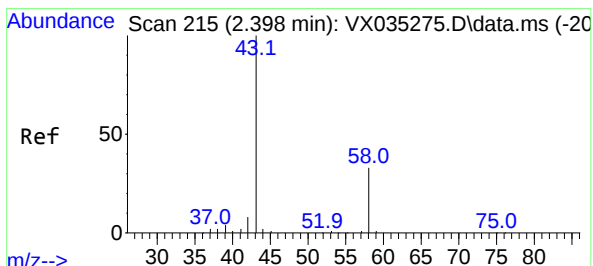
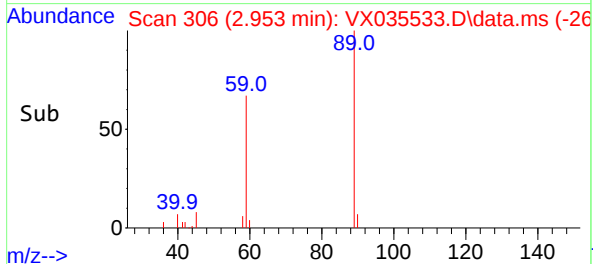
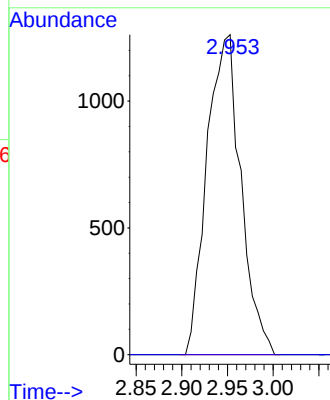
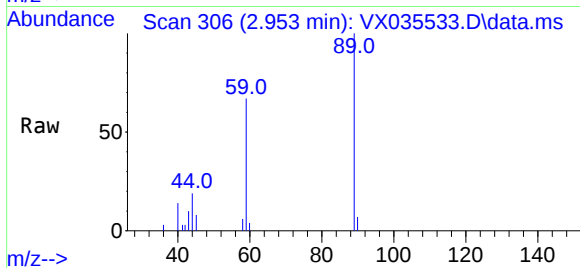
003-1

Tgt Ion: 59 Resp: 3260

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#16

Acetone

Concen: 2.689 ug/l

RT: 2.374 min Scan# 211

Delta R.T. -0.024 min

Lab File: VX035533.D

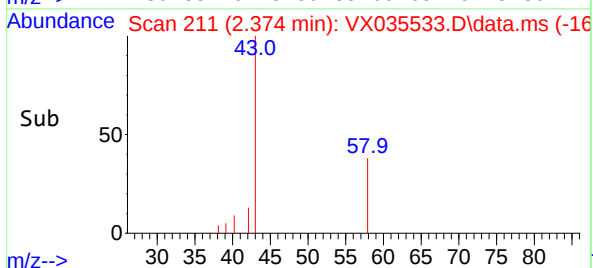
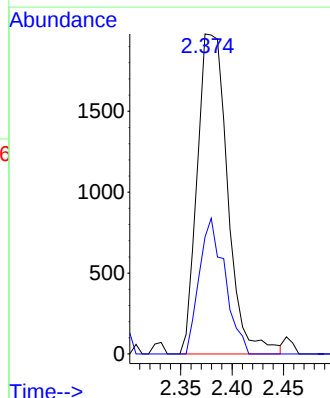
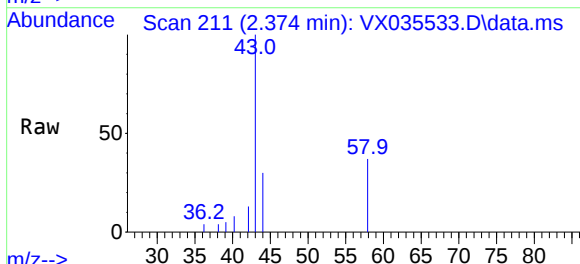
Acq: 05 May 2023 14:05

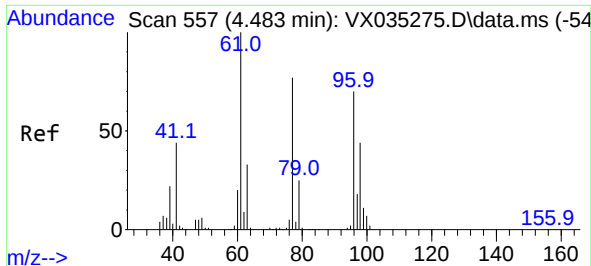
Tgt Ion: 43 Resp: 4074

Ion Ratio Lower Upper

43 100

58 36.5 24.7 37.1



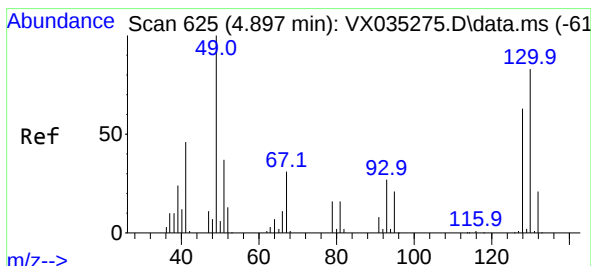
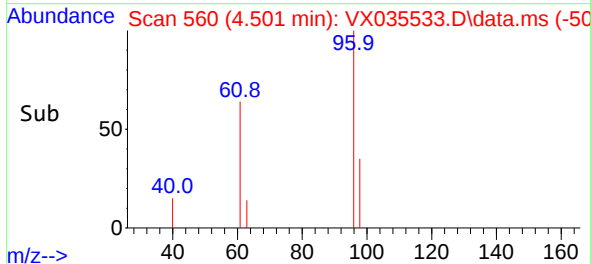
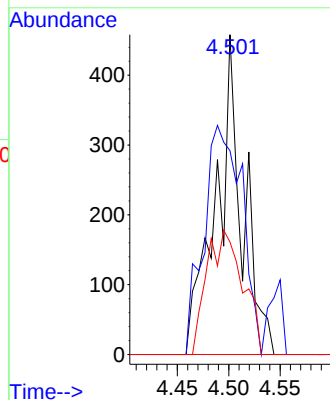
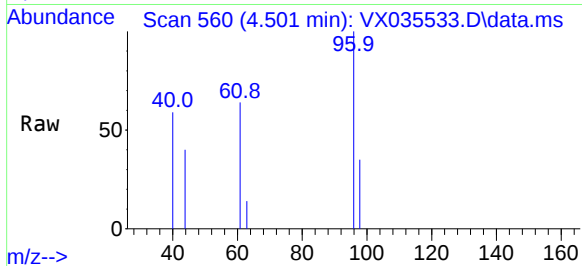


#27  
 cis-1,2-Dichloroethene  
 Concen: 0.229 ug/l  
 RT: 4.501 min Scan# 50  
 Delta R.T. 0.018 min  
 Lab File: VX035533.D  
 Acq: 05 May 2023 14:05

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 003-1

Tgt Ion: 96 Resp: 822  

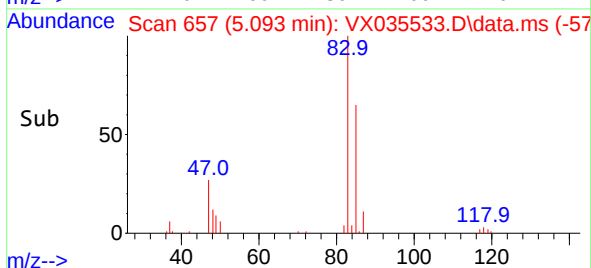
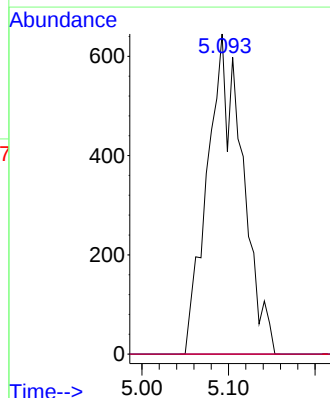
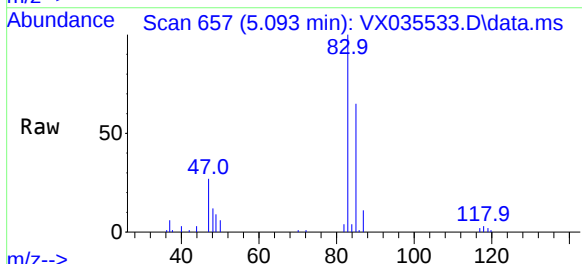
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 103.3 | 0.0   | 300.4 |
| 98  | 53.0  | 0.0   | 129.0 |

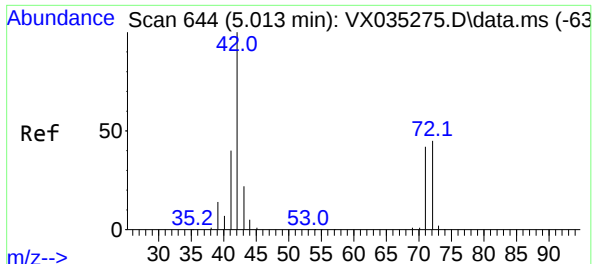


#28  
 Bromochloromethane  
 Concen: 0.775 ug/l  
 RT: 5.093 min Scan# 657  
 Delta R.T. 0.196 min  
 Lab File: VX035533.D  
 Acq: 05 May 2023 14:05

Tgt Ion: 49 Resp: 1819  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.0   | 0.0   | 4.0   |
| 130 | 0.0   | 58.2  | 87.2  |





#29

Tetrahydrofuran

Concen: 0.743 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX035533.D

Acq: 05 May 2023 14:05

Instrument :

MSVOA\_X

ClientSampleId :

003-1

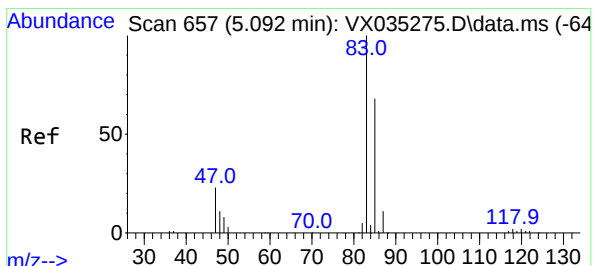
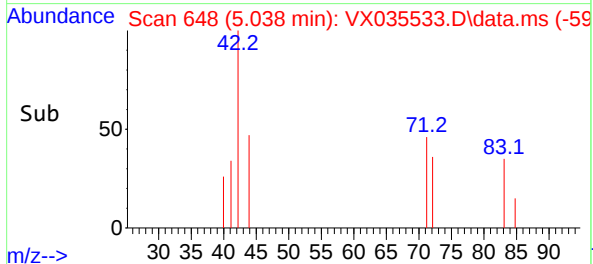
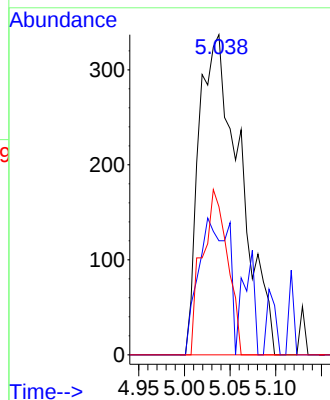
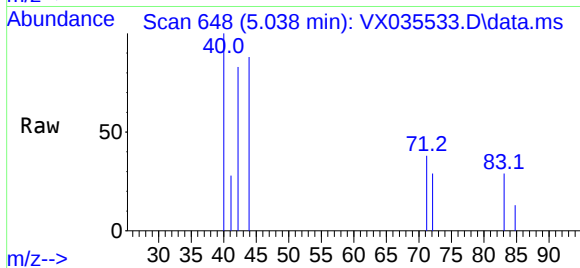
Tgt Ion: 42 Resp: 1053

Ion Ratio Lower Upper

42 100

72 31.0 34.5 51.7#

71 31.9 32.1 48.1#



#30

Chloroform

Concen: 4.438 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.007 min

Lab File: VX035533.D

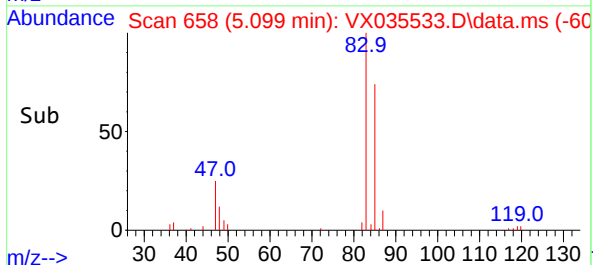
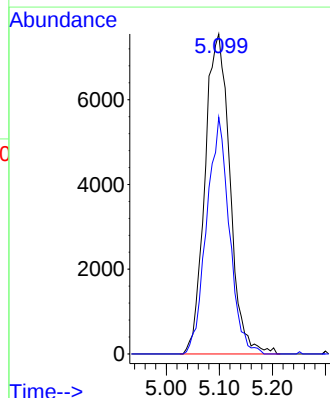
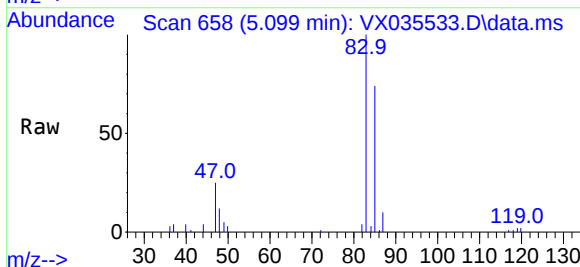
Acq: 05 May 2023 14:05

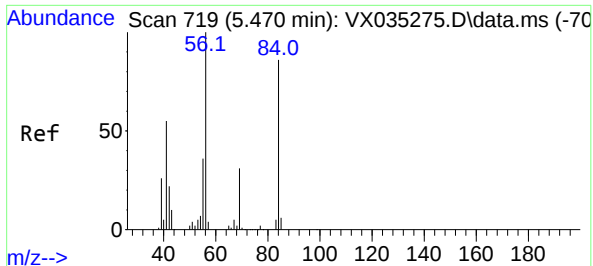
Tgt Ion: 83 Resp: 24676

Ion Ratio Lower Upper

83 100

85 74.0 50.6 76.0

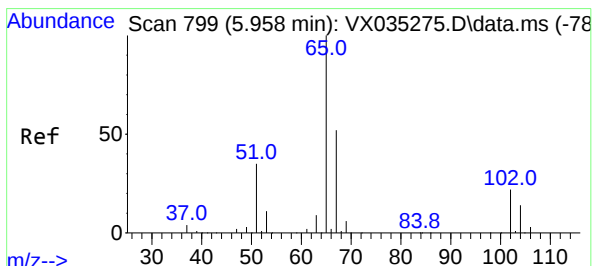
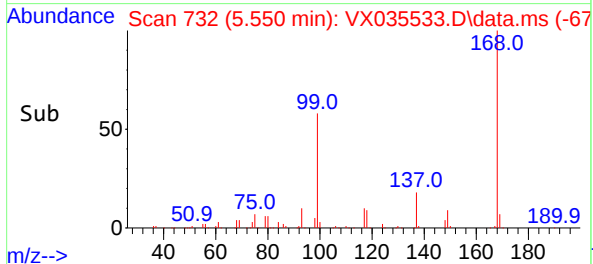
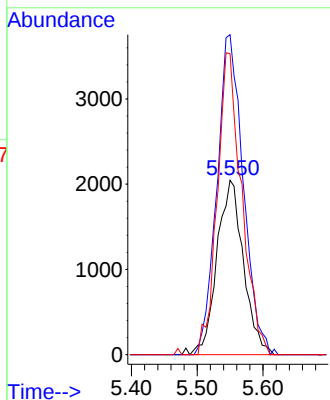
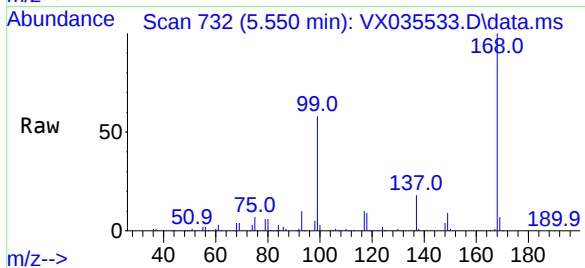




#31  
Cyclohexane  
Concen: 1.161 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.080 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

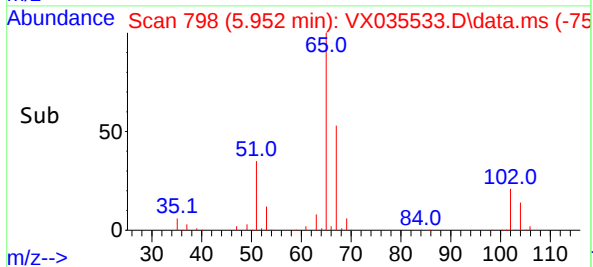
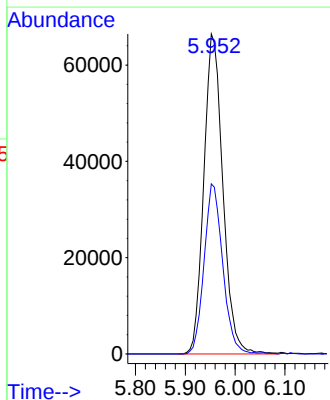
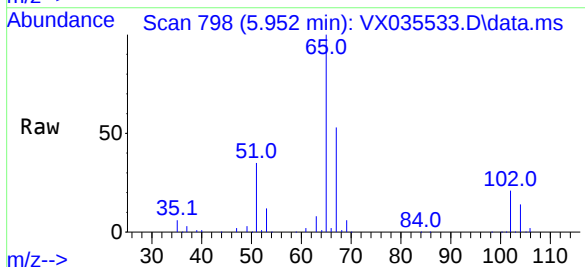
Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

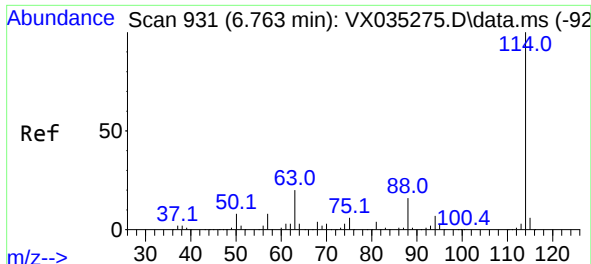
Tgt Ion: 56 Resp: 5746  
Ion Ratio Lower Upper  
56 100  
69 183.6 23.7 35.5#  
84 172.7 68.5 102.7#



#33  
1,2-Dichloroethane-d4  
Concen: 50.550 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Tgt Ion: 65 Resp: 176325  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 104.0

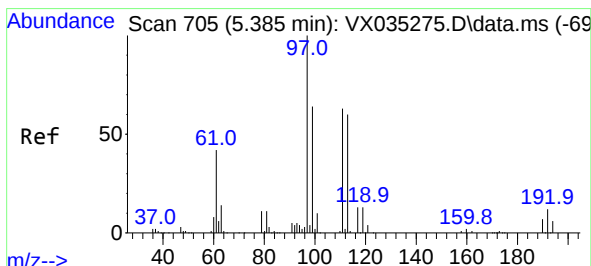
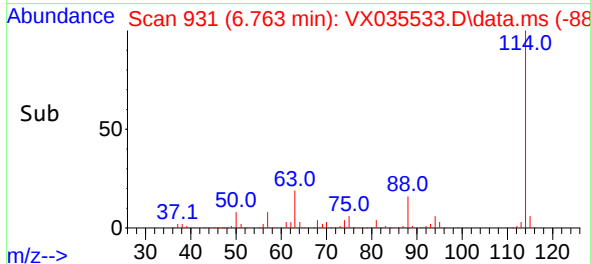
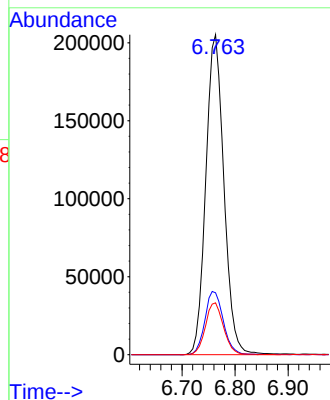
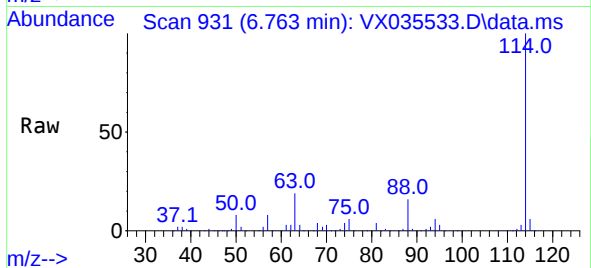




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

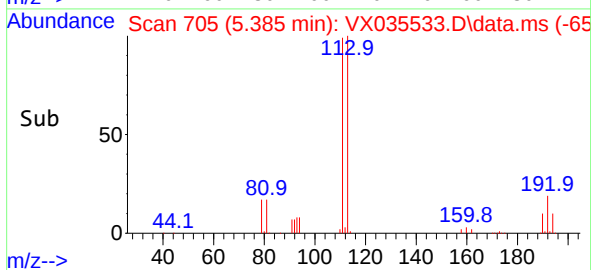
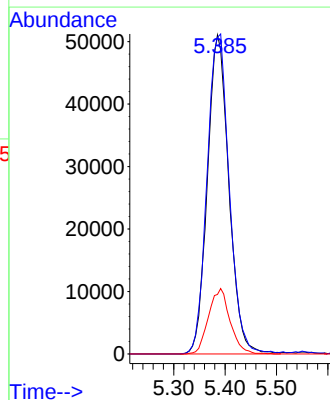
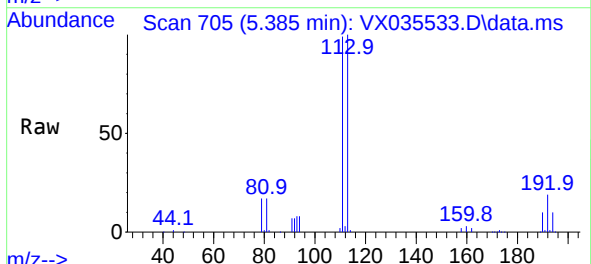
Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

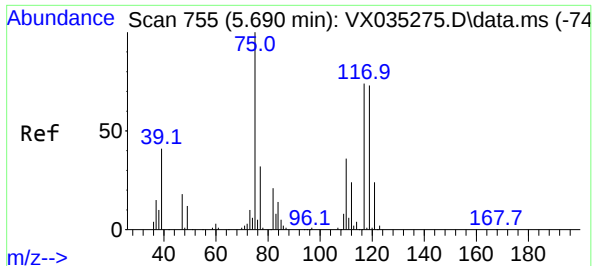
Tgt Ion:114 Resp: 486428  
Ion Ratio Lower Upper  
114 100  
63 19.4 0.0 42.2  
88 16.2 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 49.757 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Tgt Ion:113 Resp: 148551  
Ion Ratio Lower Upper  
113 100  
111 103.3 83.7 125.5  
192 20.5 15.4 23.2

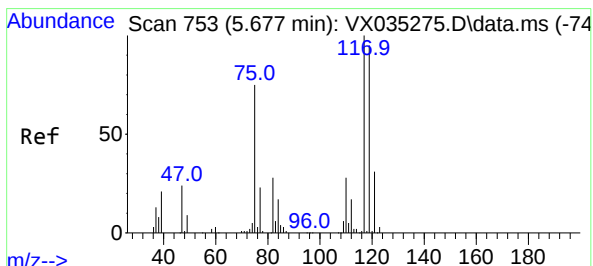
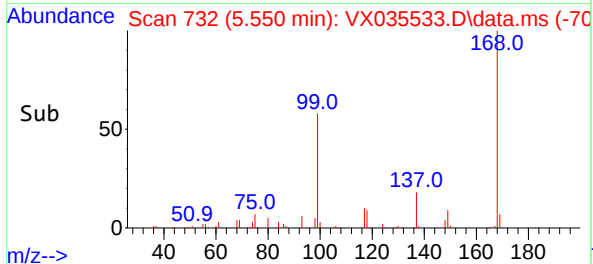
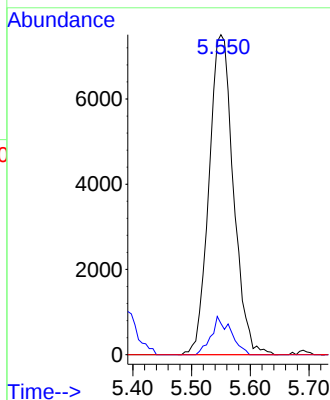
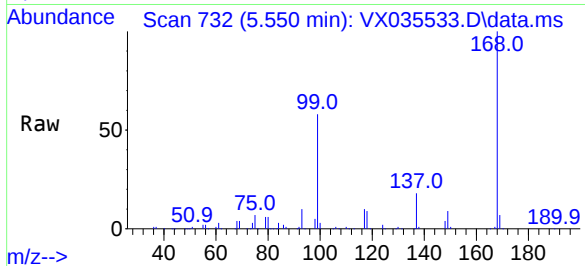




#36  
1,1-Dichloropropene  
Concen: 4.650 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.140 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

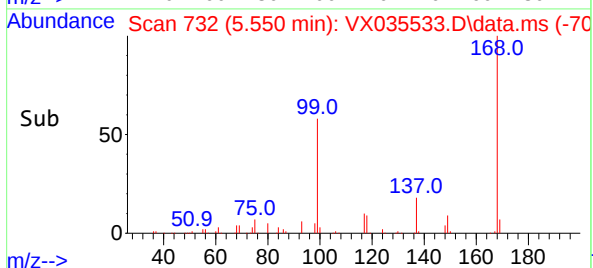
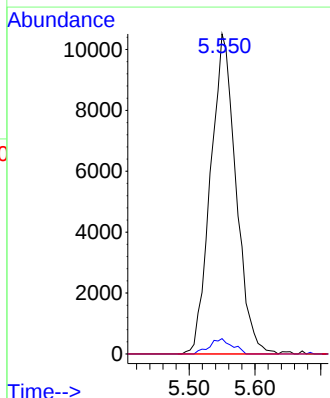
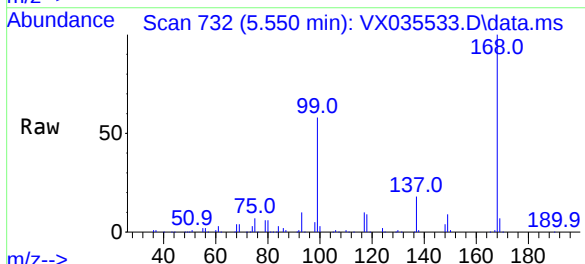
Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

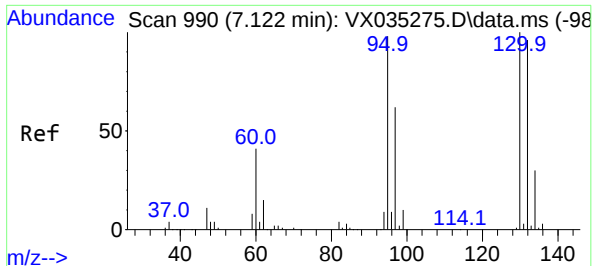
Tgt Ion: 75 Resp: 21676  
Ion Ratio Lower Upper  
75 100  
110 9.6 17.5 52.5#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 6.394 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.127 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Tgt Ion: 117 Resp: 28296  
Ion Ratio Lower Upper  
117 100  
119 4.8 76.6 114.8#  
121 0.0 23.8 35.6#

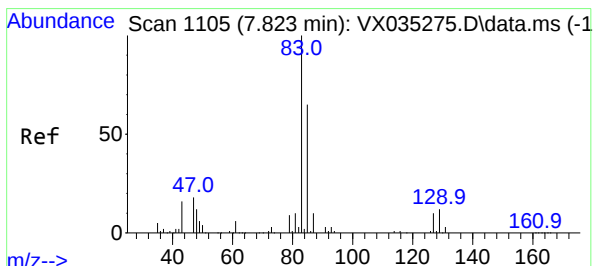
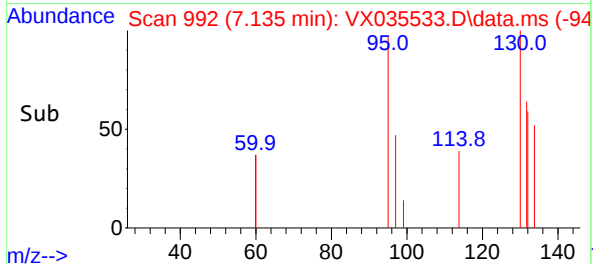
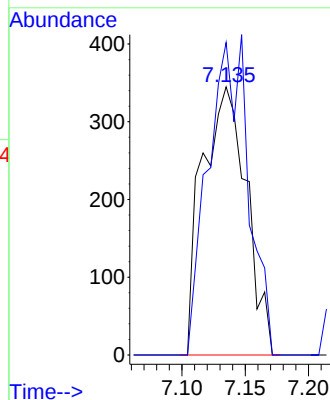
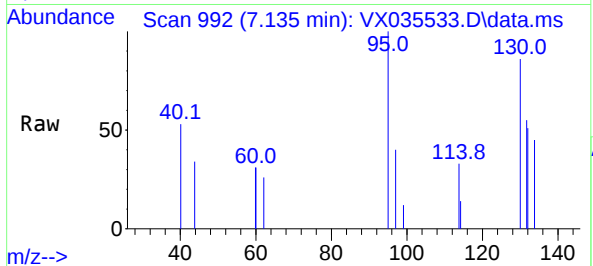




#44  
 Trichloroethene  
 Concen: 0.227 ug/l  
 RT: 7.135 min Scan# 991  
 Delta R.T. 0.013 min  
 Lab File: VX035533.D  
 Acq: 05 May 2023 14:05

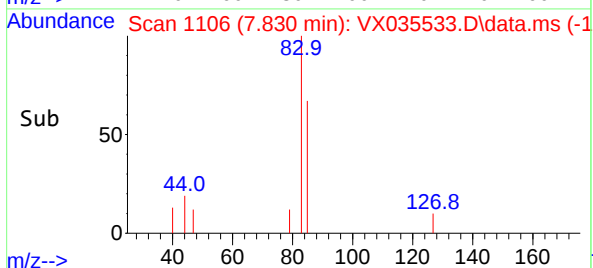
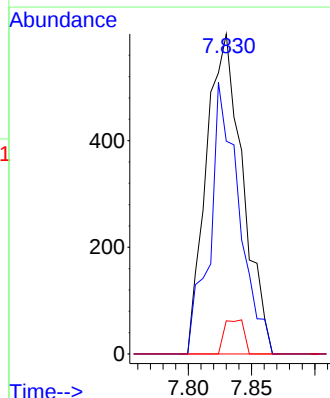
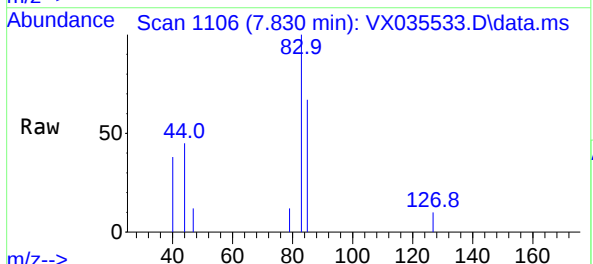
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 003-1

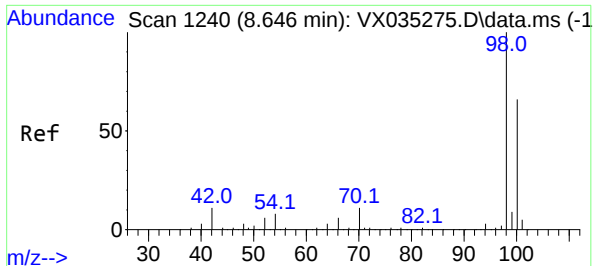
Tgt Ion:130 Resp: 837  
 Ion Ratio Lower Upper  
 130 100  
 95 116.5 0.0 198.4



#47  
 Bromodichloromethane  
 Concen: 0.281 ug/l  
 RT: 7.830 min Scan# 1106  
 Delta R.T. 0.007 min  
 Lab File: VX035533.D  
 Acq: 05 May 2023 14:05

Tgt Ion: 83 Resp: 1199  
 Ion Ratio Lower Upper  
 83 100  
 85 66.5 52.2 78.4  
 127 10.3 6.6 9.8#

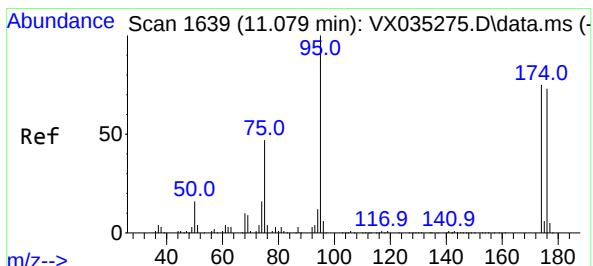
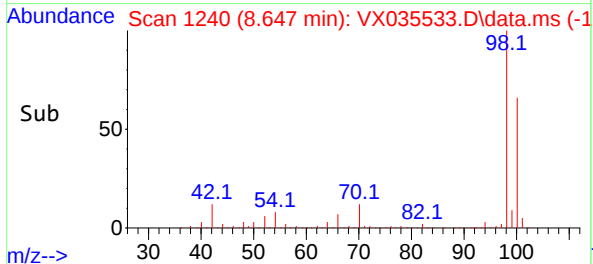
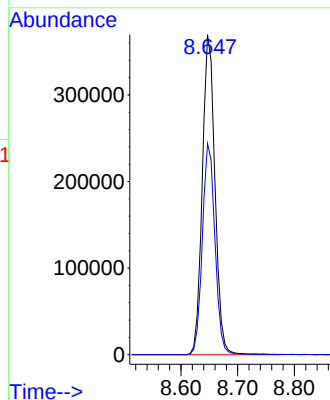
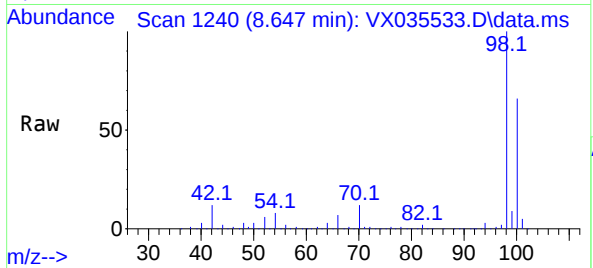




#50  
Toluene-d8  
Concen: 50.812 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

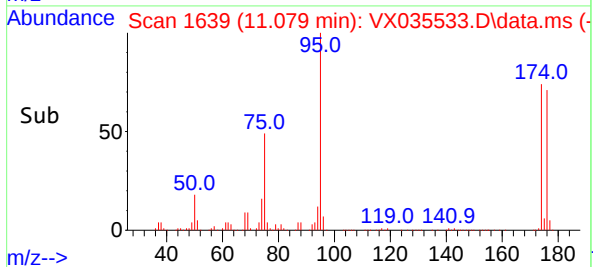
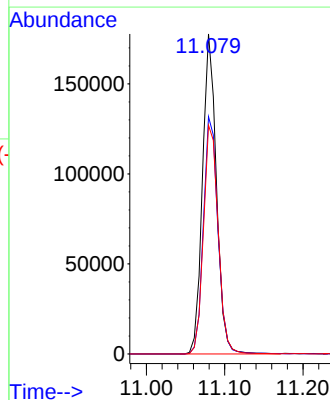
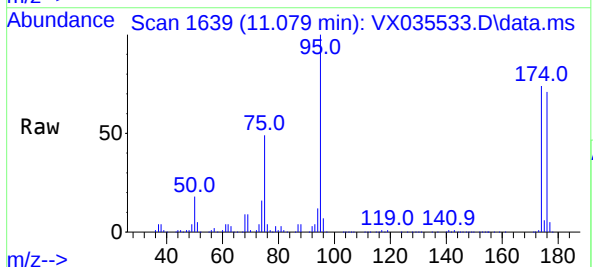
Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

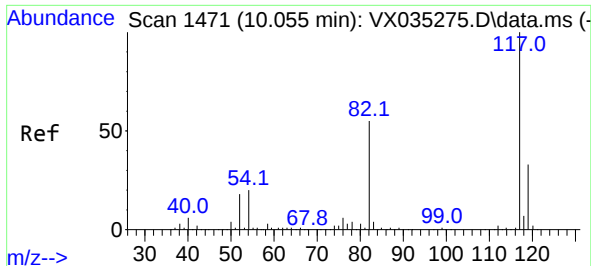
Tgt Ion: 98 Resp: 572273  
Ion Ratio Lower Upper  
98 100  
100 65.8 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 51.841 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Tgt Ion: 95 Resp: 219635  
Ion Ratio Lower Upper  
95 100  
174 77.0 0.0 147.4  
176 75.3 0.0 140.6

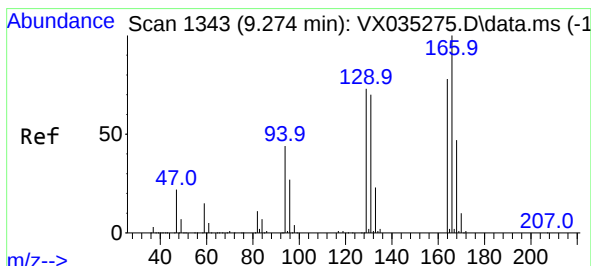
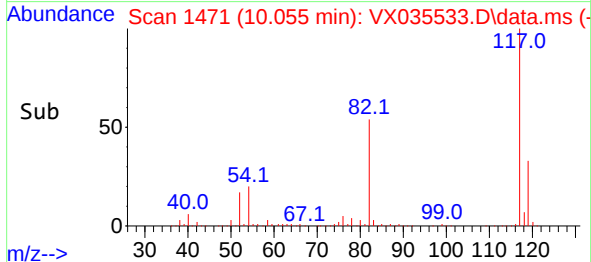
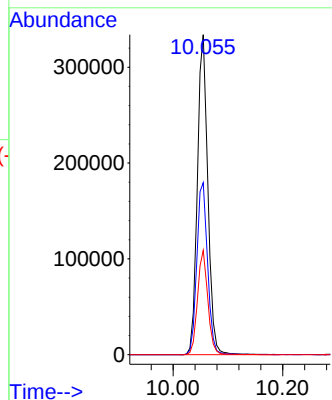
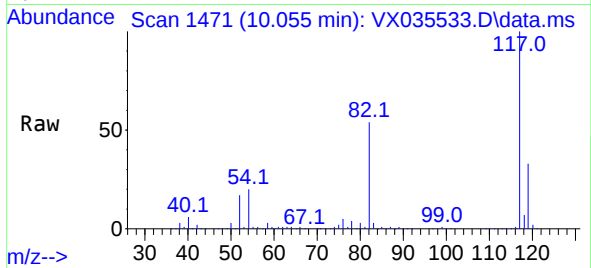




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

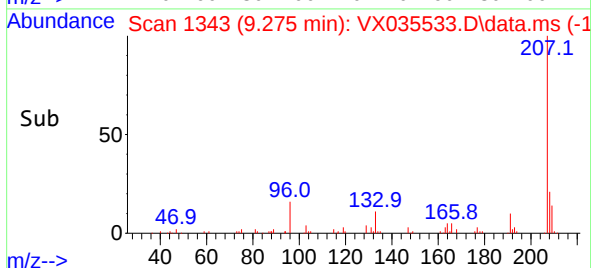
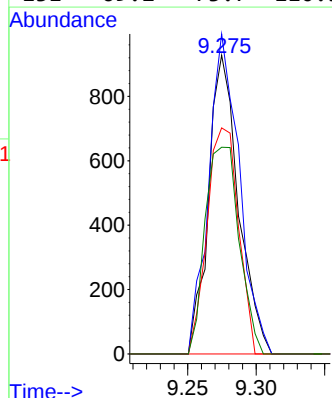
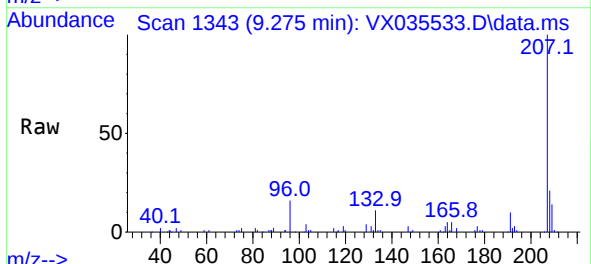
Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

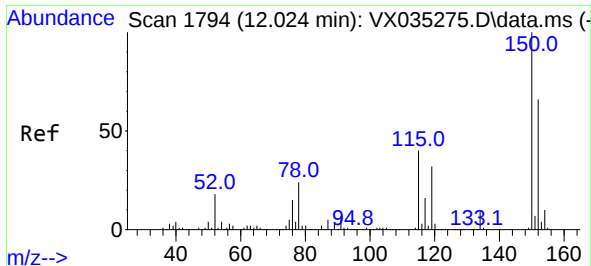
Tgt Ion:117 Resp: 445344  
Ion Ratio Lower Upper  
117 100  
82 53.7 45.0 67.4  
119 32.6 26.0 39.0



#64  
Tetrachloroethene  
Concen: 0.414 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.001 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Tgt Ion:164 Resp: 1413  
Ion Ratio Lower Upper  
164 100  
166 107.1 102.7 154.1  
129 75.6 75.6 113.4  
131 69.2 73.7 110.5#

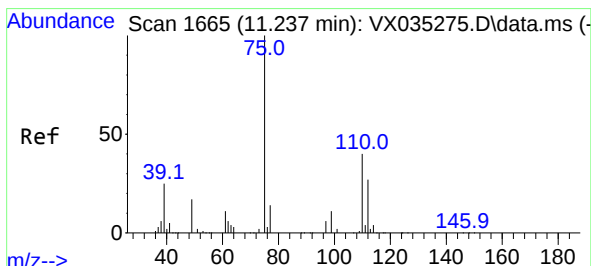
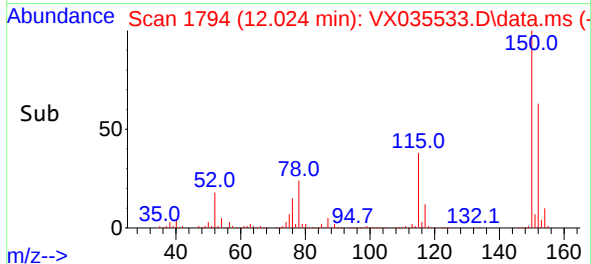
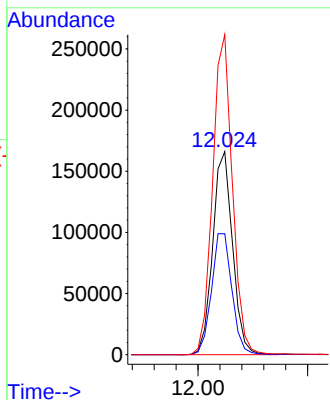
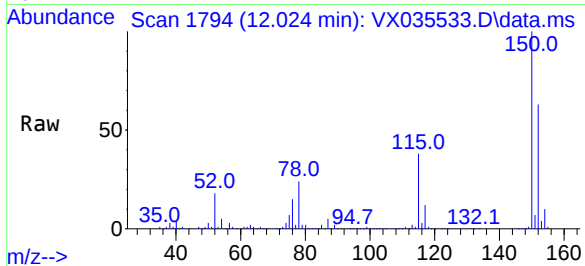




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX035533.D  
 Acq: 05 May 2023 14:05

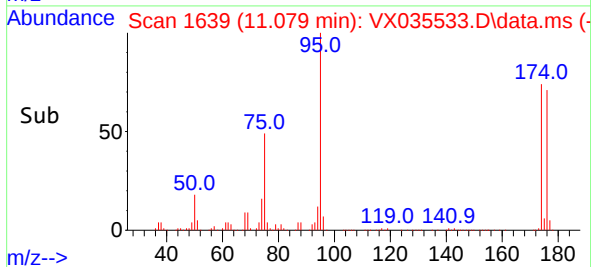
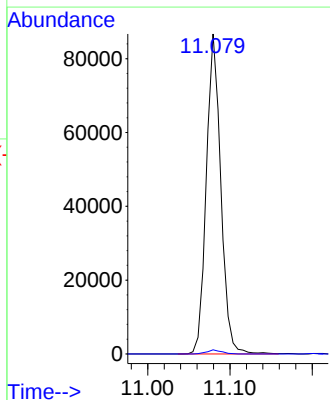
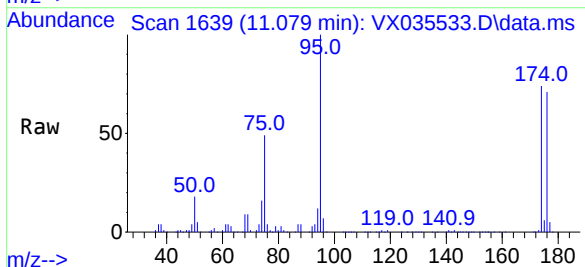
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 003-1

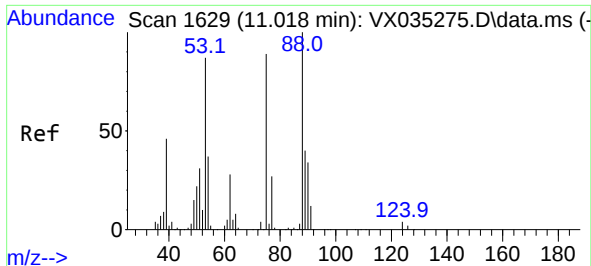
Tgt Ion:152 Resp: 209134  
 Ion Ratio Lower Upper  
 152 100  
 115 61.4 45.0 135.0  
 150 156.9 0.0 352.4



#76  
 1,2,3-Trichloropropane  
 Concen: 25.435 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.158 min  
 Lab File: VX035533.D  
 Acq: 05 May 2023 14:05

Tgt Ion: 75 Resp: 106109  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 21.6 64.8#

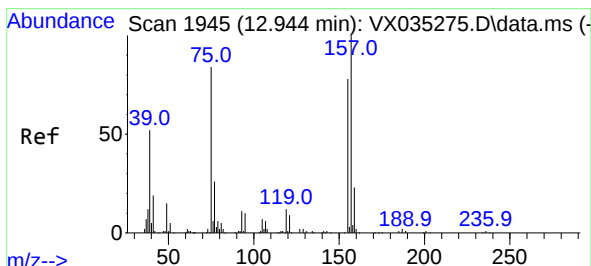
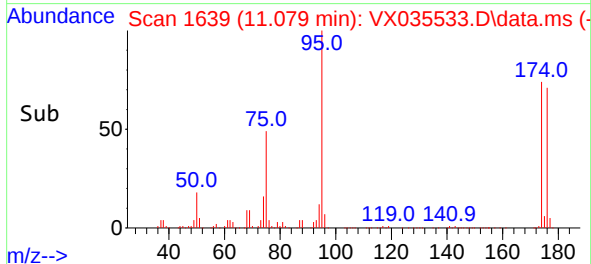
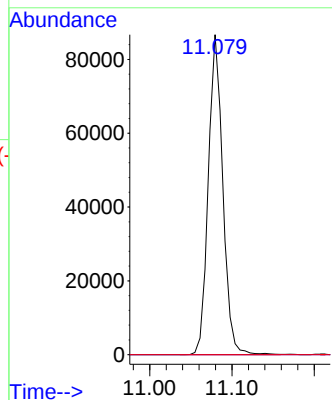
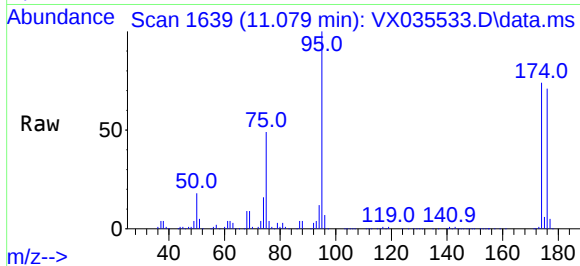




#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.380 ug/l  
RT: 11.079 min Scan# 1109  
Delta R.T. 0.061 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
003-1

Tgt Ion: 75 Resp: 106109  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.344 ug/l  
RT: 12.768 min Scan# 1916  
Delta R.T. -0.176 min  
Lab File: VX035533.D  
Acq: 05 May 2023 14:05

Tgt Ion: 75 Resp: 327  
Ion Ratio Lower Upper  
75 100  
155 16.2 38.4 115.1#  
157 0.0 49.9 149.7#

