

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050123\  
 Data File : VX035458.D  
 Acq On : 01 May 2023 23:16  
 Operator : JC/MD  
 Sample : VX0501WBL02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: May 02 02:42:30 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

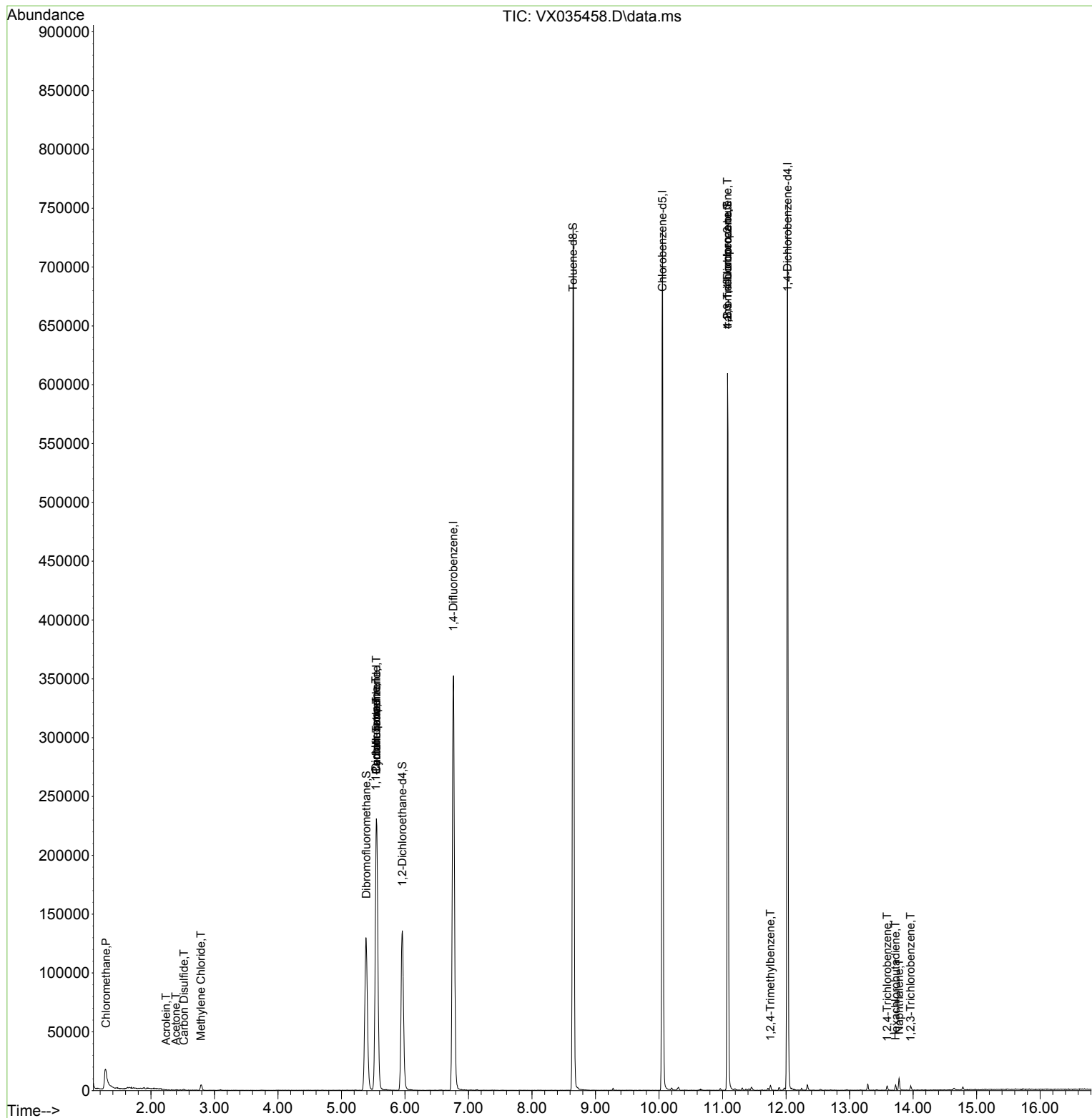
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.549  | 168   | 231914   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 374072   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 340009   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 159841   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 133333   | 47.655   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 95.300%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 115562   | 50.333   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 100.660% |
| 50) Toluene-d8                | 8.646  | 98    | 440281   | 50.835   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 101.660% |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 169436   | 52.004   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 104.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.294  | 50    | 1157     | 0.518    | ug/l # | 42       |
| 13) Acrolein                  | 2.239  | 56    | 106      | 0.212    | ug/l # | 38       |
| 16) Acetone                   | 2.391  | 43    | 543      | 0.447    | ug/l # | 44       |
| 17) Carbon Disulfide          | 2.519  | 76    | 1256     | 0.233    | ug/l # | 75       |
| 20) Methylene Chloride        | 2.788  | 84    | 2377     | 0.853    | ug/l   | 87       |
| 31) Cyclohexane               | 5.549  | 56    | 4358     | 1.098    | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.543  | 75    | 16586    | 4.626    | ug/l # | 51       |
| 38) Carbon Tetrachloride      | 5.549  | 117   | 23008    | 6.761    | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 81618    | 25.598   | ug/l # | 35       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 81618    | 82.907   | ug/l # | 8        |
| 84) 1,2,4-Trimethylbenzene    | 11.756 | 105   | 2319     | 0.234    | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 1176     | 0.339    | ug/l   | 93       |
| 94) Hexachlorobutadiene       | 13.725 | 225   | 761      | 0.500    | ug/l   | 87       |
| 95) Naphthalene               | 13.780 | 128   | 6988     | 0.654    | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 1227     | 0.351    | ug/l   | 93       |
| -----                         |        |       |          |          |        |          |

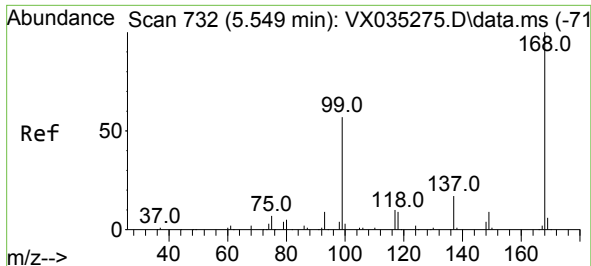
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX050123\  
Data File : VX035458.D  
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Sample : VX0501WBL02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: May 02 02:42:30 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: 5.549 min Scan# 71

Delta R.T. 0.000 min

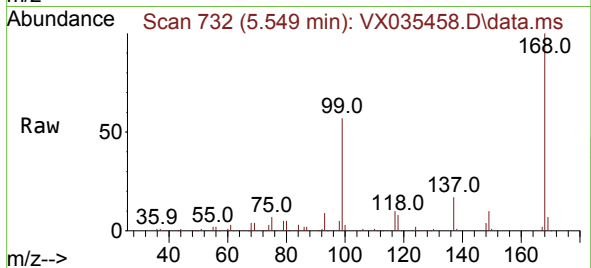
Lab File: VX035458.D

Acq: 01 May 2023 23:16

Instrument :

MSVOA\_X

ClientSampleId :

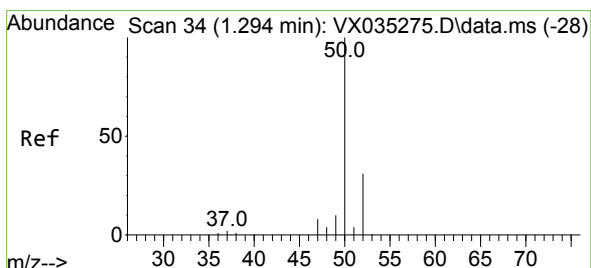
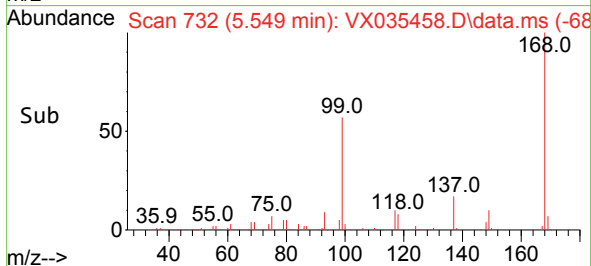
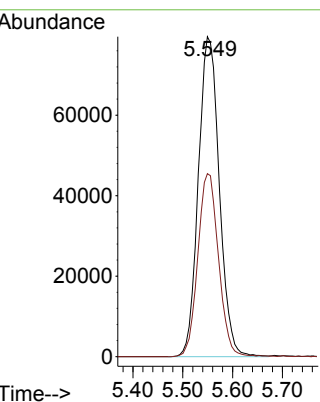


Tgt Ion:168 Resp: 231914

Ion Ratio Lower Upper

168 100

99 57.2 45.7 68.5



#3

Chloromethane

Concen: 0.518 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX035458.D

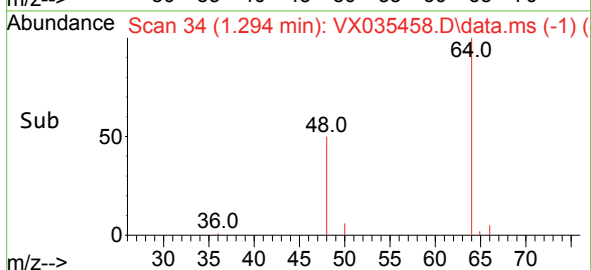
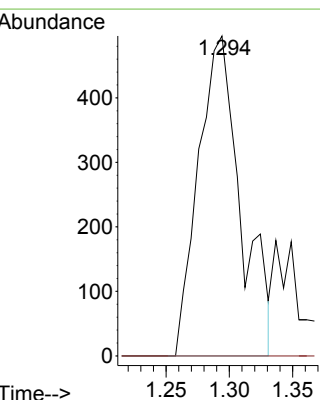
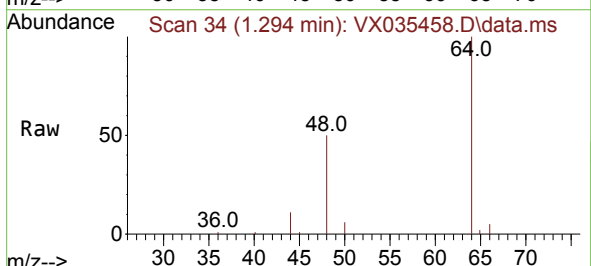
Acq: 01 May 2023 23:16

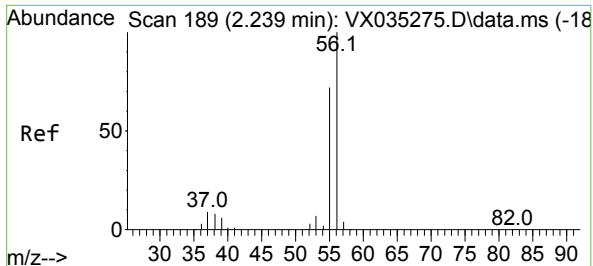
Tgt Ion: 50 Resp: 1157

Ion Ratio Lower Upper

50 100

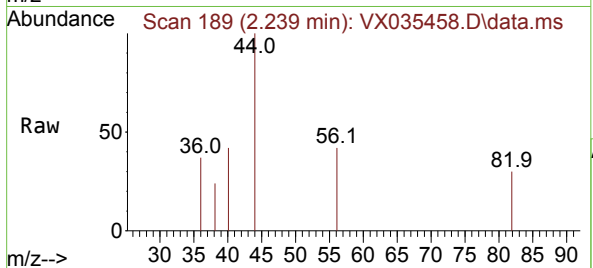
52 0.0 25.9 38.9#



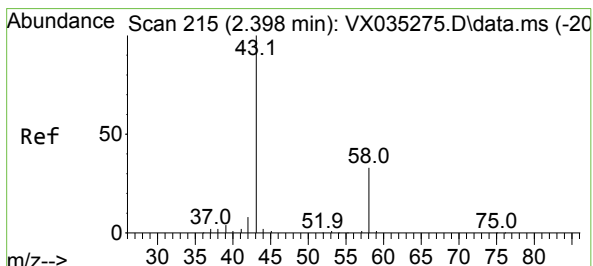
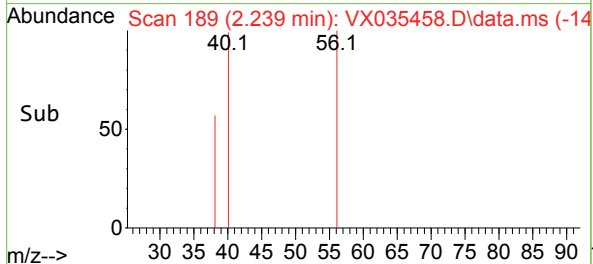
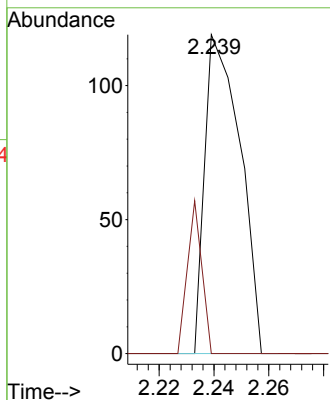


#13  
Acrolein  
Concen: 0.212 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :

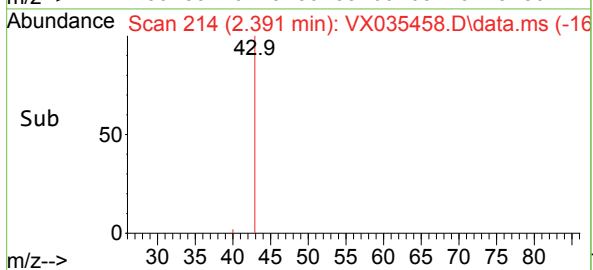
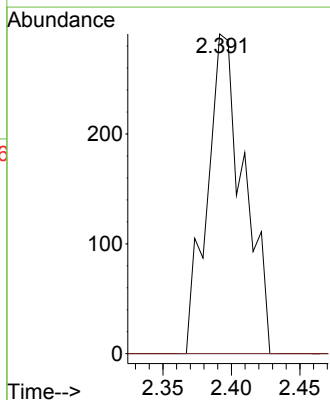
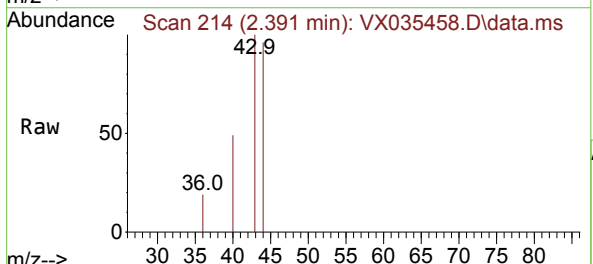


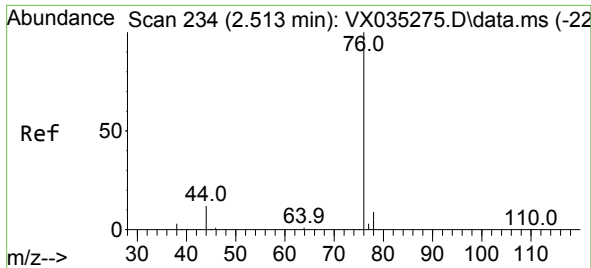
Tgt Ion: 56 Resp: 106  
Ion Ratio Lower Upper  
56 100  
55 19.8 56.6 85.0#



#16  
Acetone  
Concen: 0.447 ug/l  
RT: 2.391 min Scan# 214  
Delta R.T. -0.007 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Tgt Ion: 43 Resp: 543  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.7 37.1#





#17

Carbon Disulfide

Concen: 0.233 ug/l

RT: 2.519 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX035458.D

Acq: 01 May 2023 23:16

Instrument :

MSVOA\_X

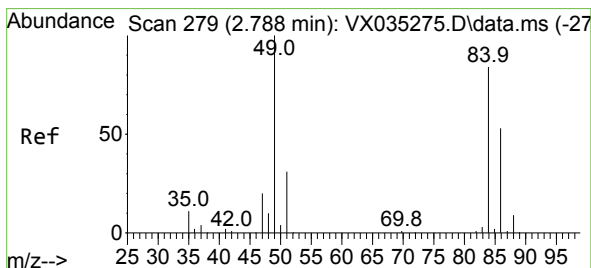
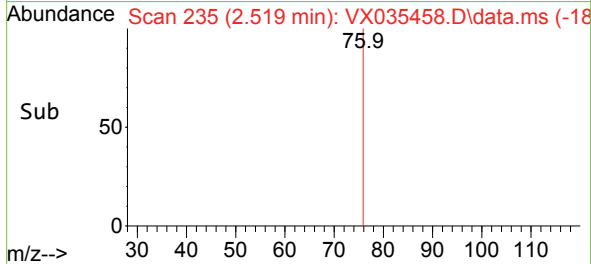
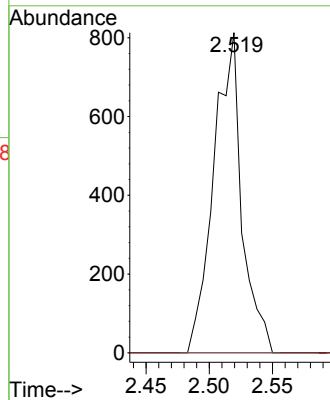
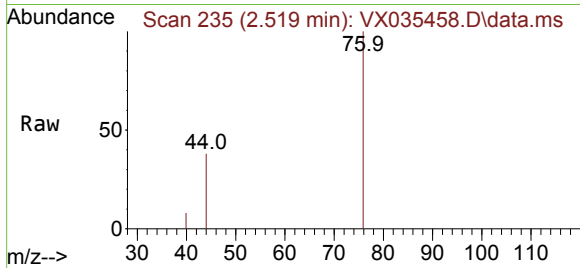
ClientSampleId :

Tgt Ion: 76 Resp: 1256

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#



#20

Methylene Chloride

Concen: 0.853 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX035458.D

Acq: 01 May 2023 23:16

Tgt Ion: 84 Resp: 2377

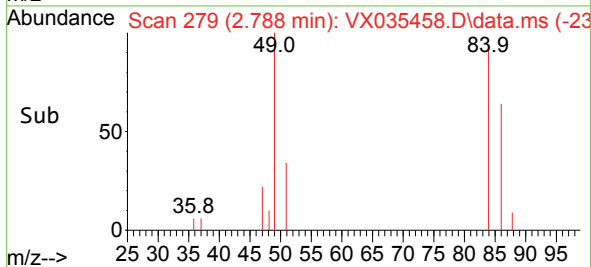
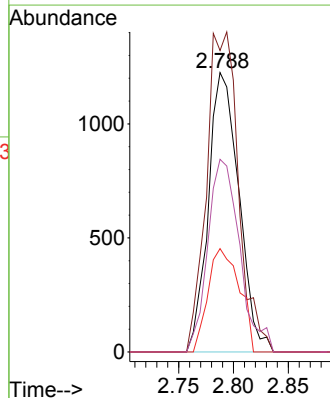
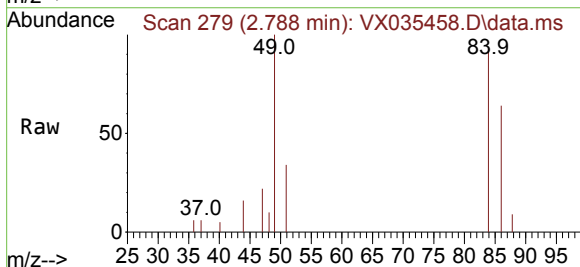
Ion Ratio Lower Upper

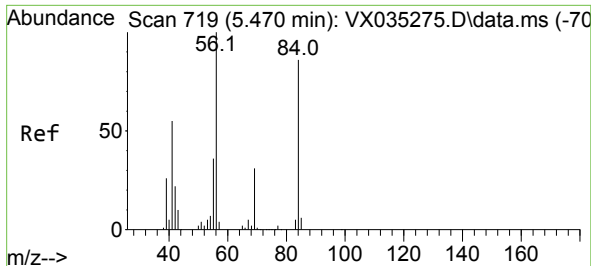
84 100

49 107.9 103.8 155.8

51 37.0 31.8 47.8

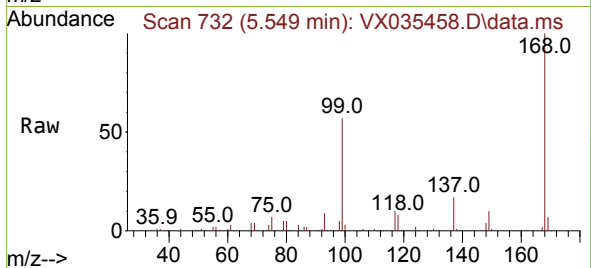
86 69.0 51.4 77.2



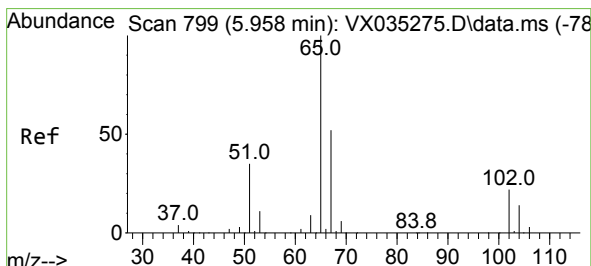
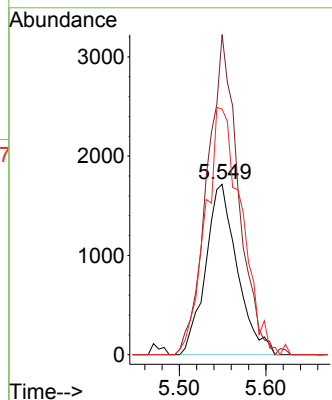
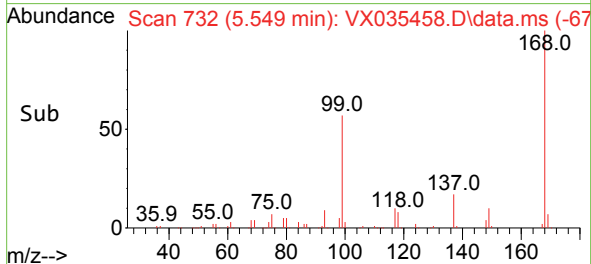


#31  
Cyclohexane  
Concen: 1.098 ug/l  
RT: 5.549 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :

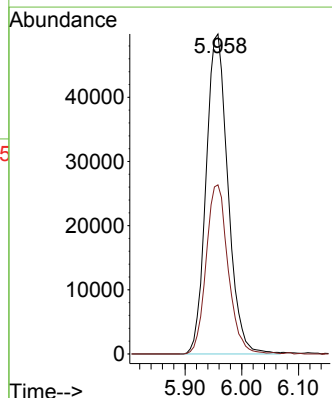
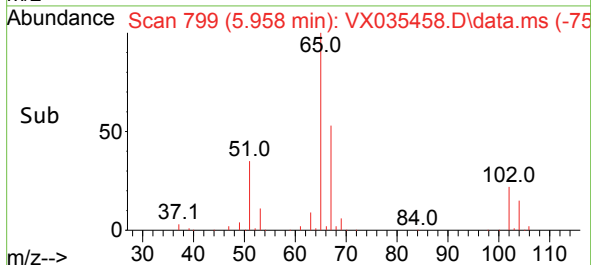
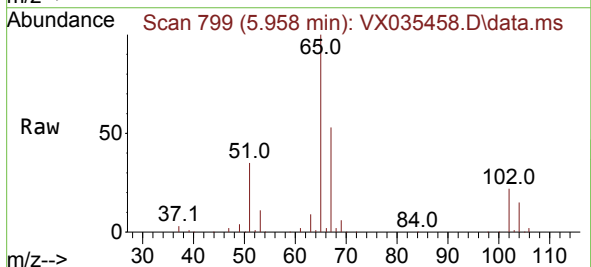


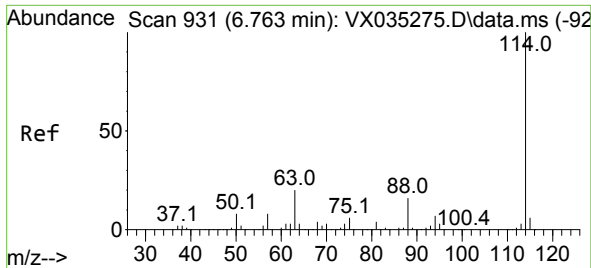
Tgt Ion: 56 Resp: 4358  
Ion Ratio Lower Upper  
56 100  
69 184.7 23.7 35.5#  
84 144.2 68.5 102.7#



#33  
1,2-Dichloroethane-d4  
Concen: 47.655 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. -0.000 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Tgt Ion: 65 Resp: 133333  
Ion Ratio Lower Upper  
65 100  
67 53.2 0.0 104.0

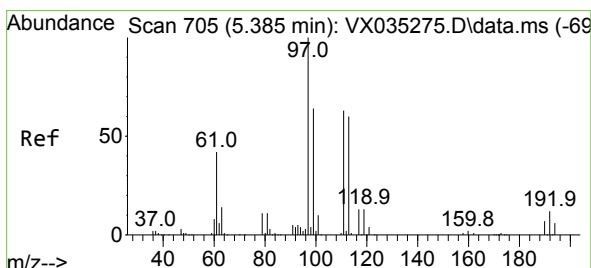
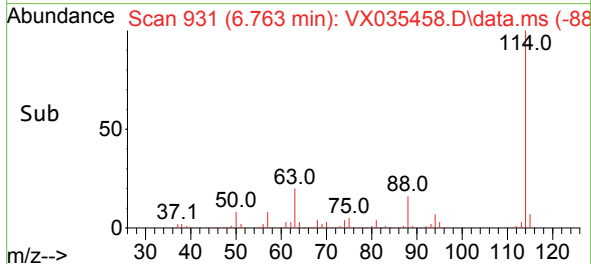
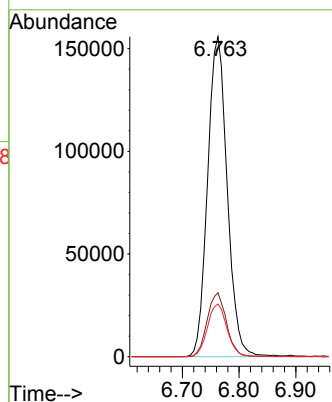
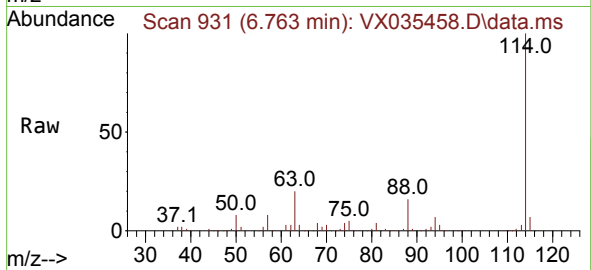




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

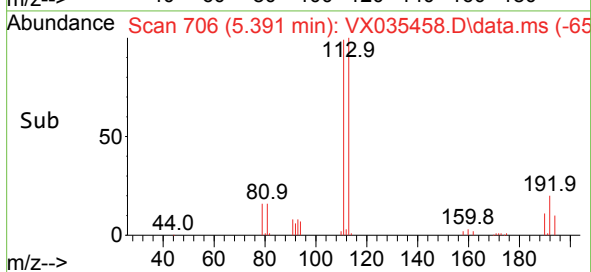
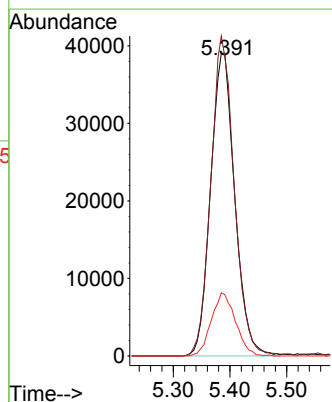
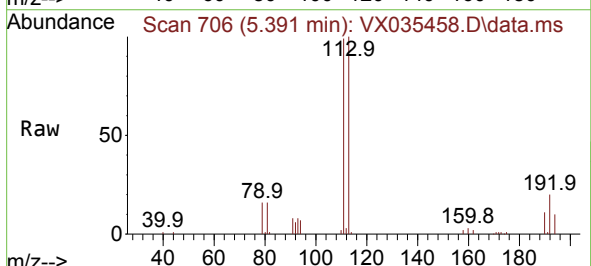
Instrument :  
MSVOA\_X  
ClientSampleId :

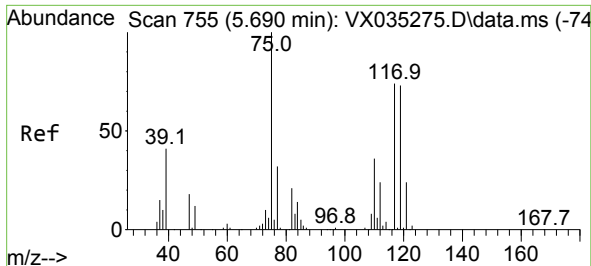
Tgt Ion:114 Resp: 374072  
Ion Ratio Lower Upper  
114 100  
63 20.0 0.0 42.2  
88 16.5 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 50.333 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

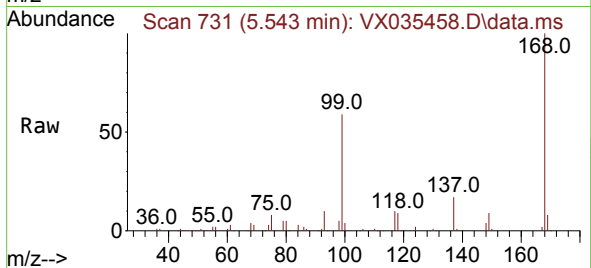
Tgt Ion:113 Resp: 115562  
Ion Ratio Lower Upper  
113 100  
111 102.3 83.7 125.5  
192 20.9 15.4 23.2



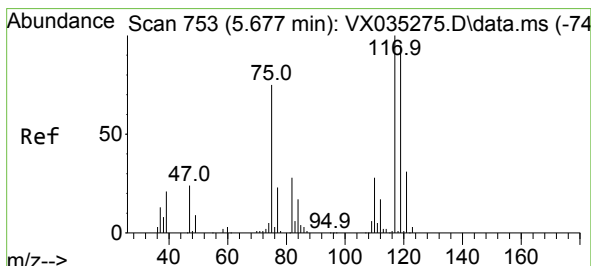
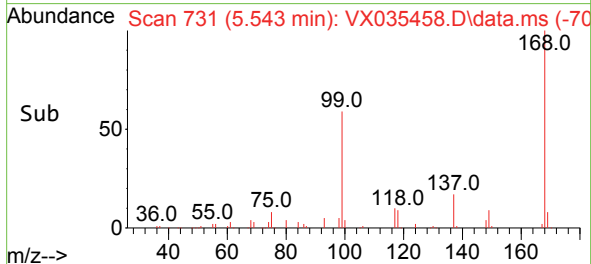
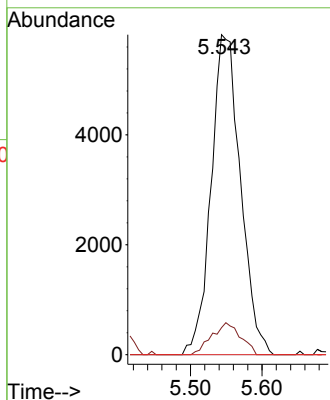


#36  
1,1-Dichloropropene  
Concen: 4.626 ug/l  
RT: 5.543 min Scan# 711  
Delta R.T. -0.147 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Instrument :  
MSVOA\_X  
ClientSampleId :

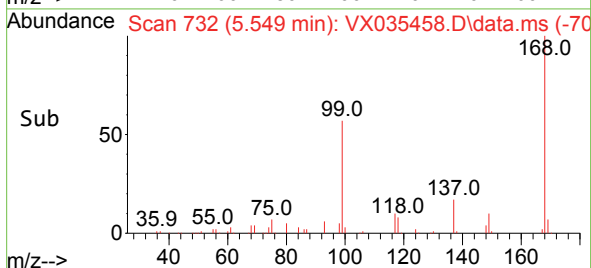
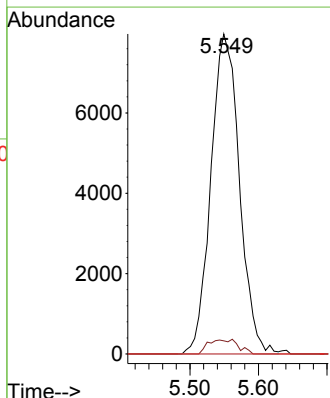
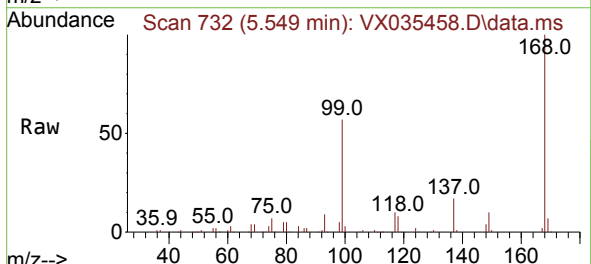


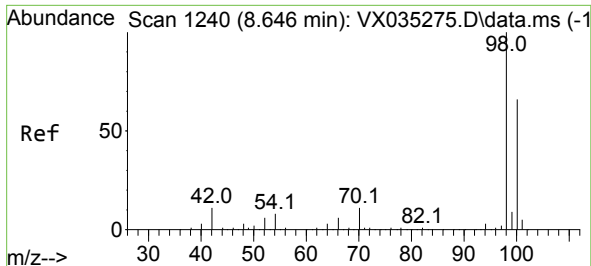
Tgt Ion: 75 Resp: 16586  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.5 52.5#  
77 0.0 24.3 36.5#



#38  
Carbon Tetrachloride  
Concen: 6.761 ug/l  
RT: 5.549 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Tgt Ion: 117 Resp: 23008  
Ion Ratio Lower Upper  
117 100  
119 4.1 76.6 114.8#  
121 0.0 23.8 35.6#

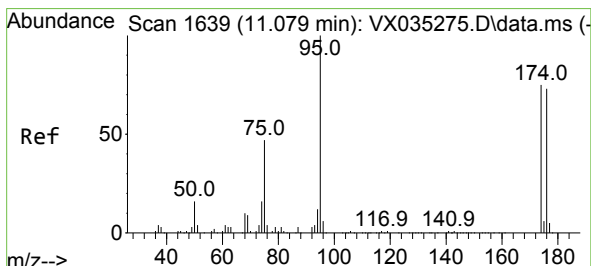
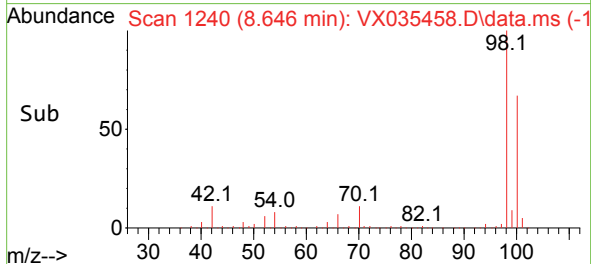
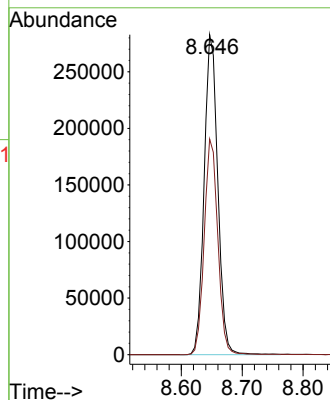
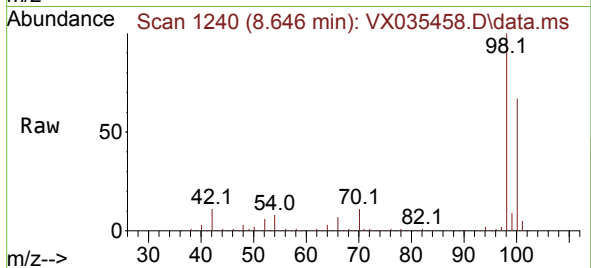




#50  
Toluene-d8  
Concen: 50.835 ug/l  
RT: 8.646 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

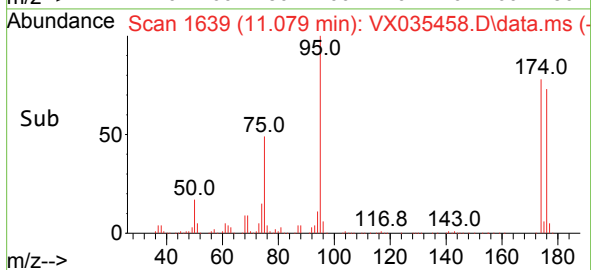
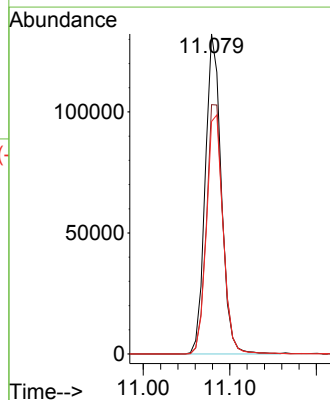
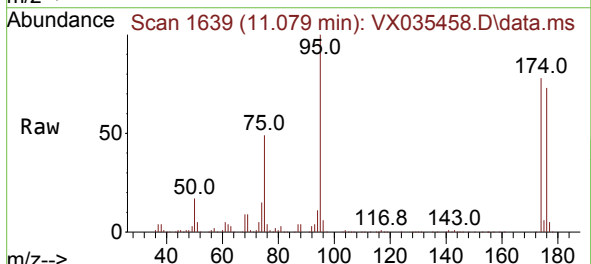
Instrument :  
MSVOA\_X  
ClientSampleId :

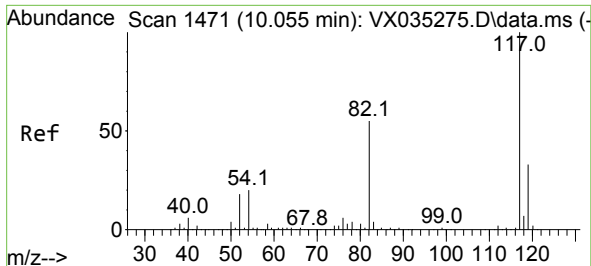
Tgt Ion: 98 Resp: 440281  
Ion Ratio Lower Upper  
98 100  
100 67.2 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 52.004 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Tgt Ion: 95 Resp: 169436  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 147.4  
176 77.5 0.0 140.6

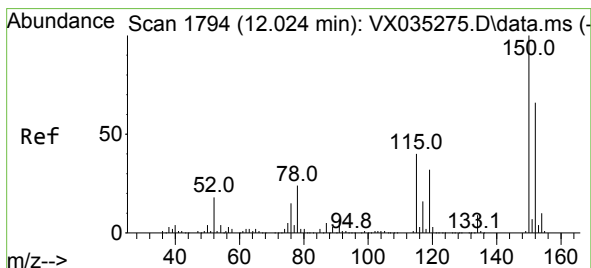
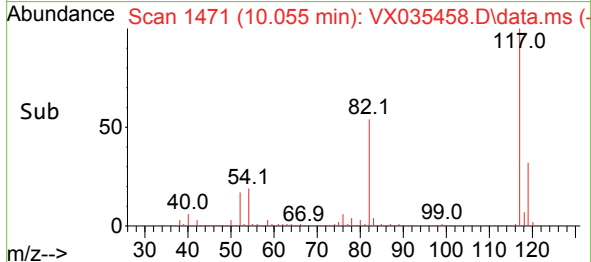
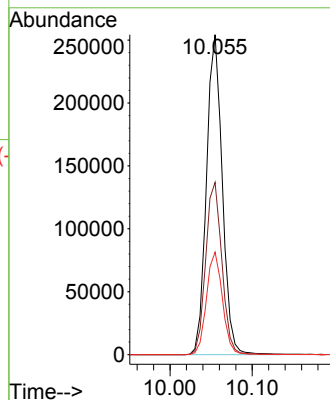
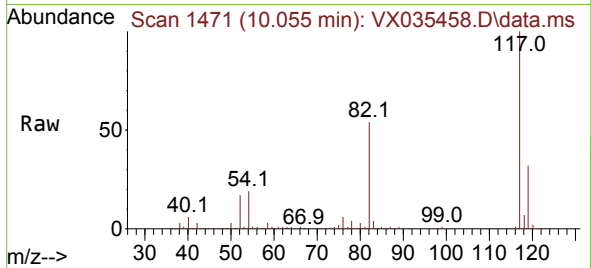




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.000 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

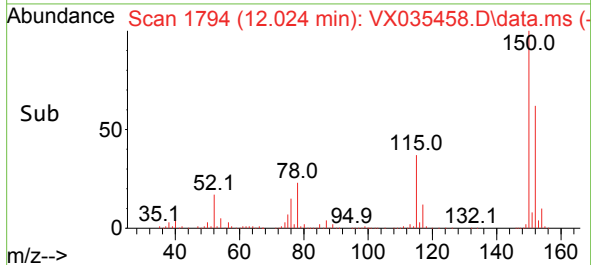
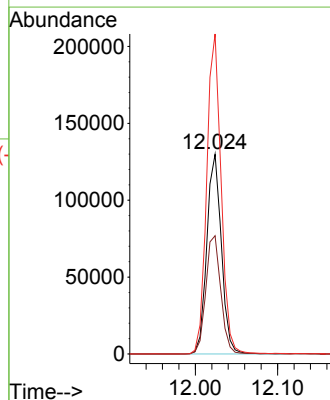
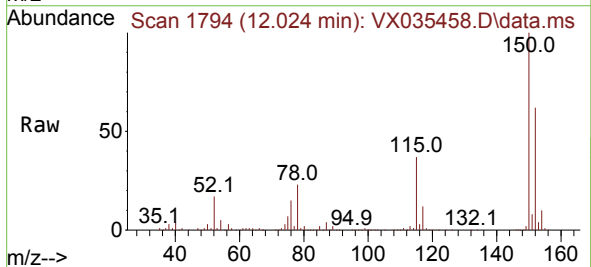
Instrument :  
MSVOA\_X  
ClientSampleId :

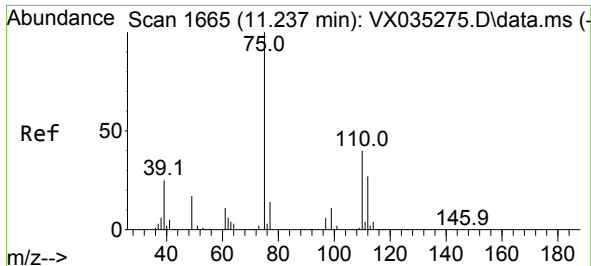
Tgt Ion:117 Resp: 340009  
Ion Ratio Lower Upper  
117 100  
82 53.9 45.0 67.4  
119 32.1 26.0 39.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Tgt Ion:152 Resp: 159841  
Ion Ratio Lower Upper  
152 100  
115 61.0 45.0 135.0  
150 158.3 0.0 352.4

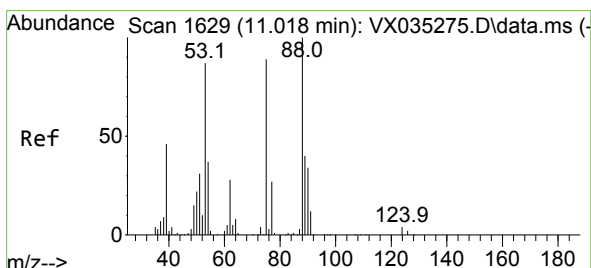
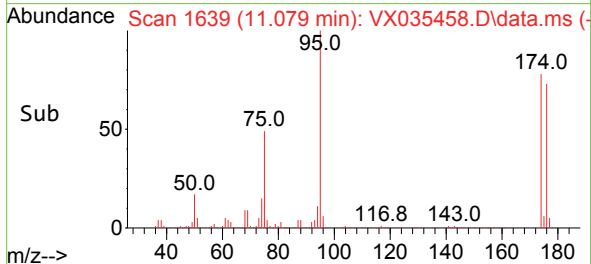
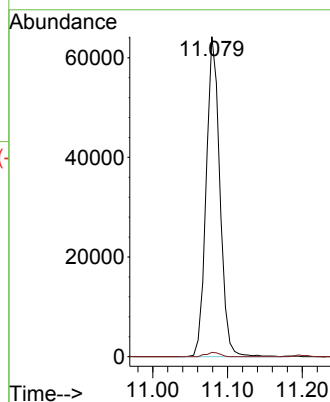
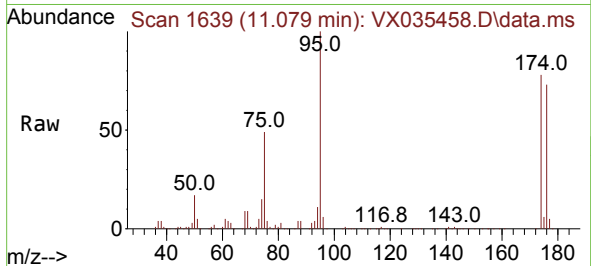




#76  
1,2,3-Trichloropropane  
Concen: 25.598 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

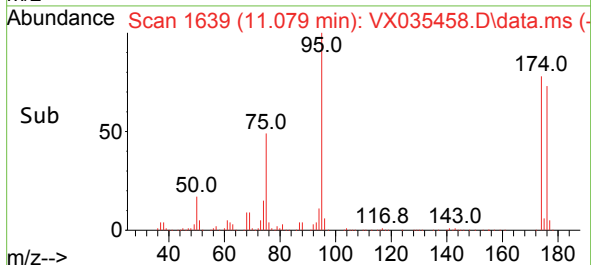
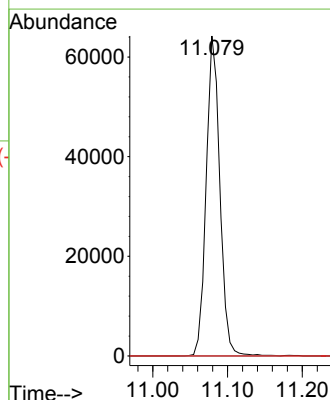
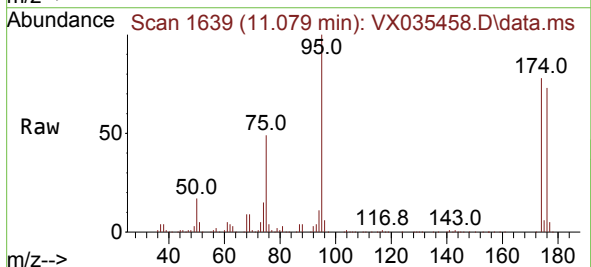
Instrument :  
MSVOA\_X  
ClientSampleId :

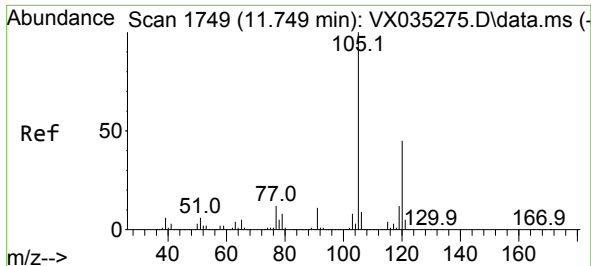
Tgt Ion: 75 Resp: 81618  
Ion Ratio Lower Upper  
75 100  
77 1.4 21.6 64.8#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 82.907 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX035458.D  
Acq: 01 May 2023 23:16

Tgt Ion: 75 Resp: 81618  
Ion Ratio Lower Upper  
75 100  
53 0.0 82.6 124.0#  
89 0.0 36.9 55.3#

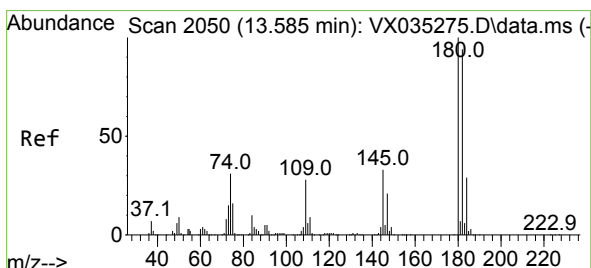
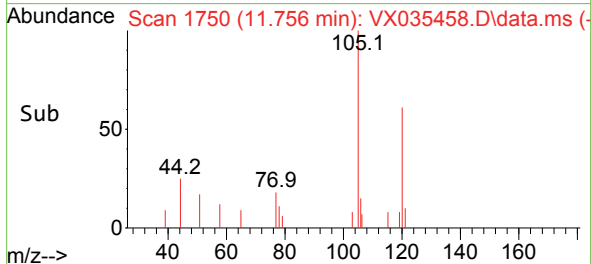
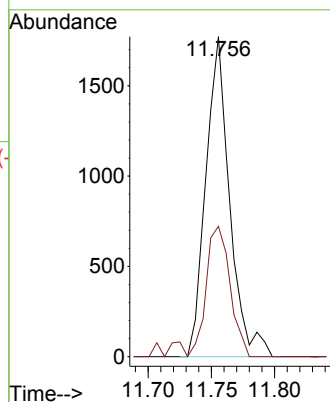
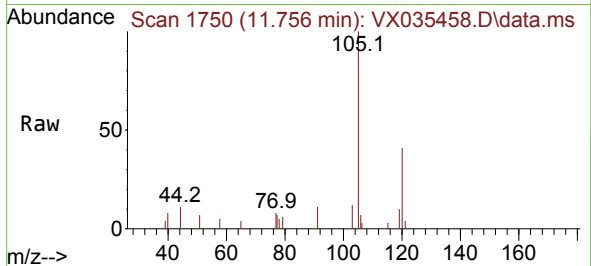




#84  
 1,2,4-Trimethylbenzene  
 Concen: 0.234 ug/l  
 RT: 11.756 min Scan# 11  
 Delta R.T. 0.007 min  
 Lab File: VX035458.D  
 Acq: 01 May 2023 23:16

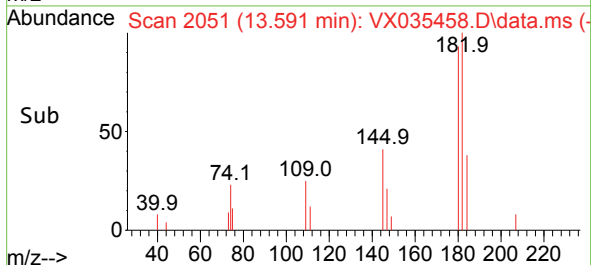
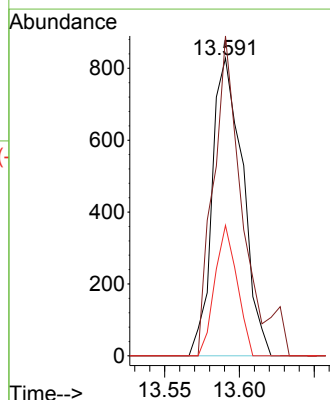
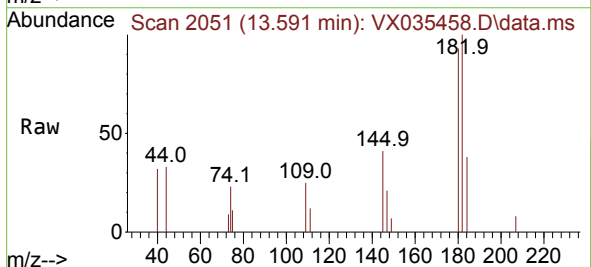
Instrument :  
 MSVOA\_X  
 ClientSampleId :

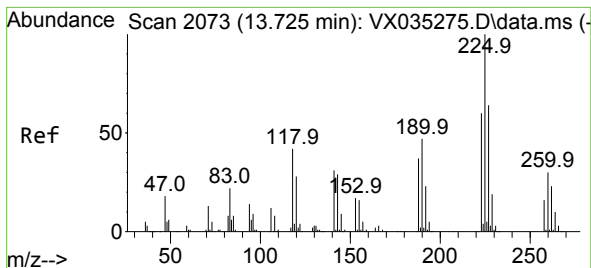
Tgt Ion:105 Resp: 2319  
 Ion Ratio Lower Upper  
 105 100  
 120 40.8 22.4 67.0



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.339 ug/l  
 RT: 13.591 min Scan# 2051  
 Delta R.T. 0.006 min  
 Lab File: VX035458.D  
 Acq: 01 May 2023 23:16

Tgt Ion:180 Resp: 1176  
 Ion Ratio Lower Upper  
 180 100  
 182 103.1 47.0 141.0  
 145 31.8 15.9 47.7





#94

Hexachlorobutadiene

Concen: 0.500 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX035458.D

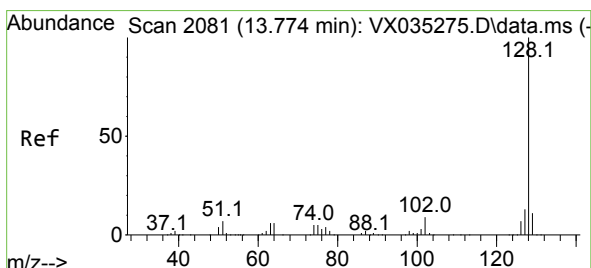
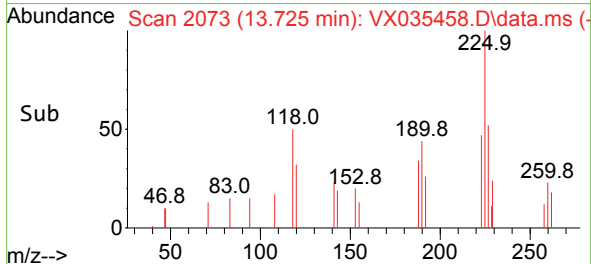
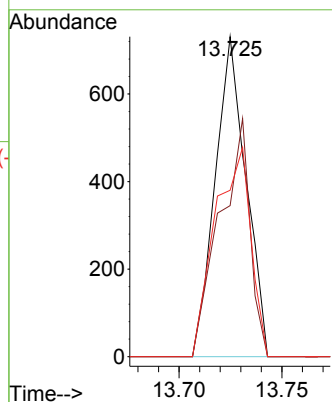
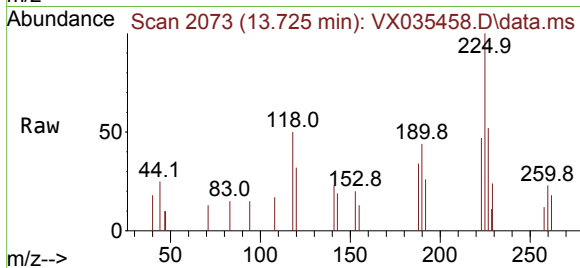
Acq: 01 May 2023 23:16

Instrument :

MSVOA\_X

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 761       |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 72.8  | 32.1 96.5 |
| 227         | 75.7  | 31.8 95.4 |



#95

Naphthalene

Concen: 0.654 ug/l

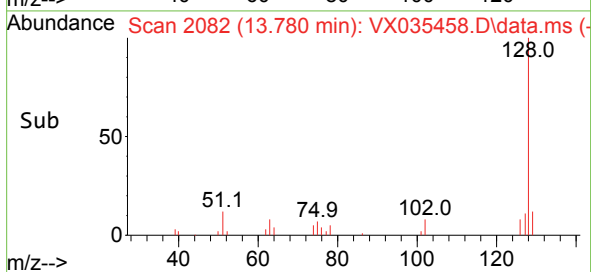
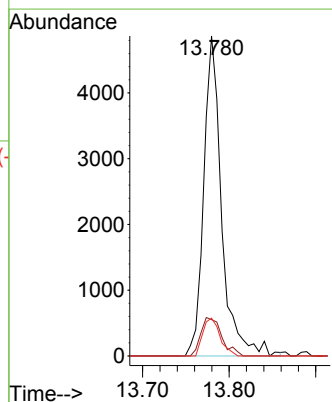
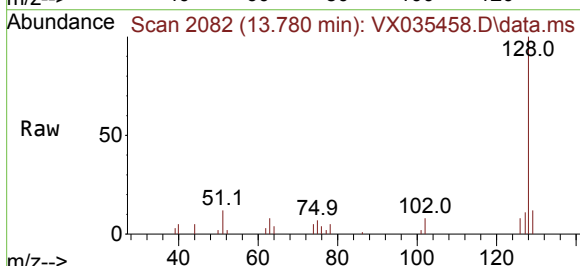
RT: 13.780 min Scan# 2082

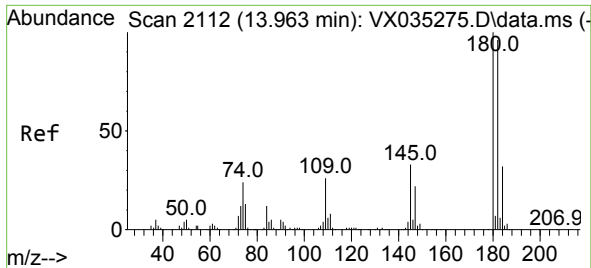
Delta R.T. 0.006 min

Lab File: VX035458.D

Acq: 01 May 2023 23:16

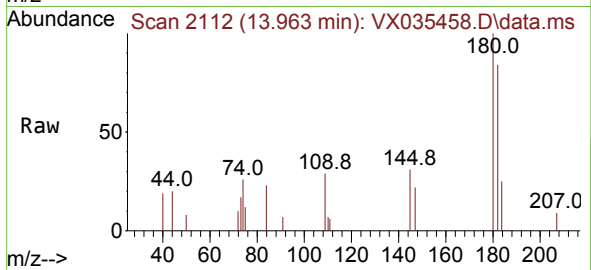
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 6988      |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 14.0  | 10.2 15.4 |
| 129         | 11.4  | 8.6 13.0  |





#96  
 1,2,3-Trichlorobenzene  
 Concen: 0.351 ug/l  
 RT: 13.963 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VX035458.D  
 Acq: 01 May 2023 23:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :



Tgt Ion:180 Resp: 1227  
 Ion Ratio Lower Upper  
 180 100  
 182 87.7 48.0 144.2  
 145 35.9 17.7 53.1

