

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021924\  
 Data File : VX040340.D  
 Acq On : 19 Feb 2024 18:53  
 Operator : JC/MD  
 Sample : P1440-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TW-1

Quant Time: Feb 20 01:20:45 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 12 00:21:14 2024  
 Response via : Initial Calibration

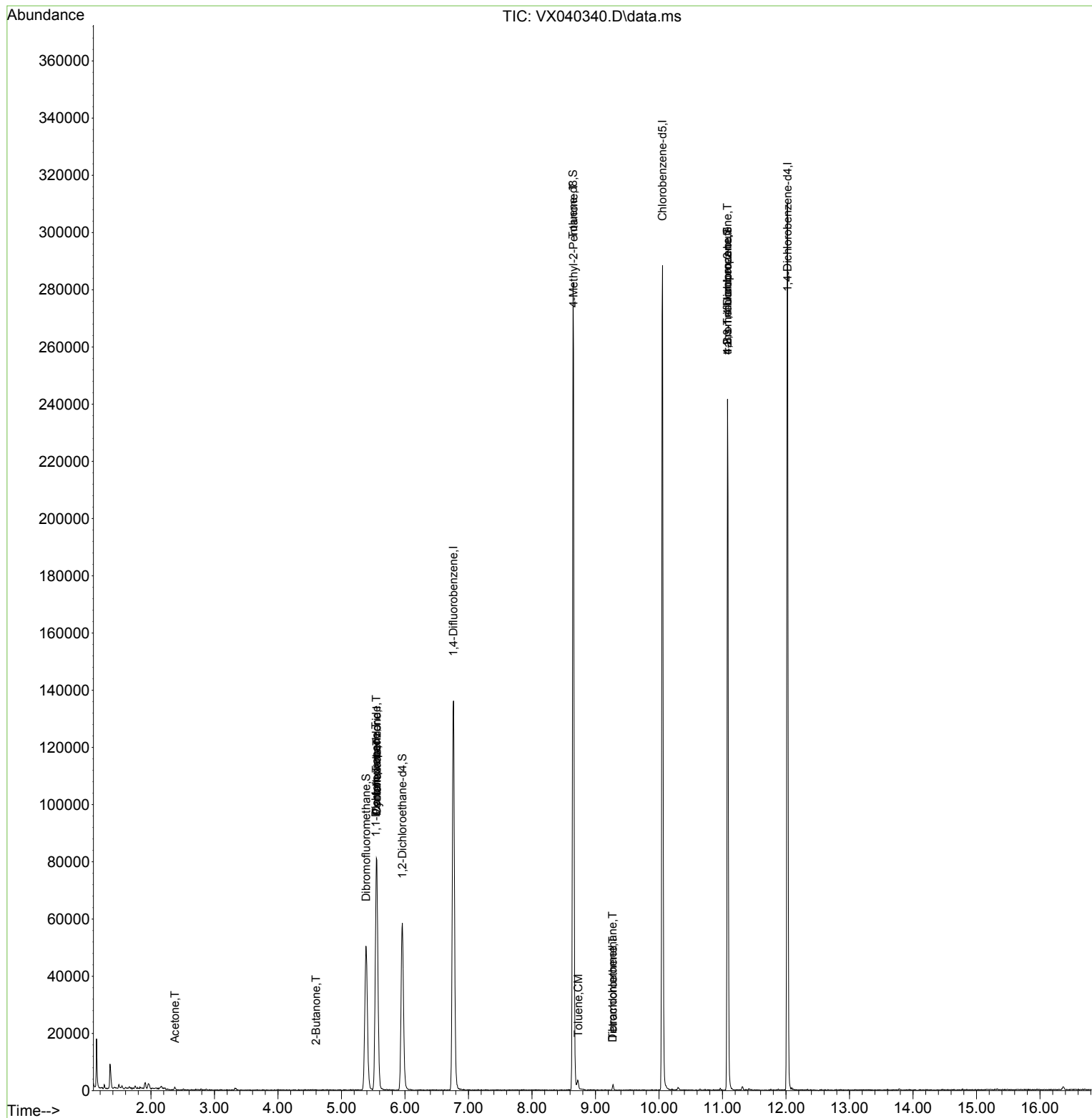
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 5.556     | 168   | 73500    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763     | 114   | 133720   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 10.055    | 117   | 128364   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024    | 152   | 63095    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 5.958     | 65    | 57779    | 52.840    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 78 - 117 | Recovery  | = 105.680% |          |
| 35) Dibromofluoromethane      | 5.385     | 113   | 42667    | 45.690    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 75 - 124 | Recovery  | = 91.380%  |          |
| 50) Toluene-d8                | 8.647     | 98    | 162945   | 46.647    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 92 - 112 | Recovery  | = 93.300%  |          |
| 62) 4-Bromofluorobenzene      | 11.079    | 95    | 61998    | 43.518    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 83 - 123 | Recovery  | = 87.040%  |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 16) Acetone                   | 2.380     | 43    | 906      | 2.017     | ug/l #     | 70       |
| 20) Methylene Chloride        | 2.788     | 84    | 101      | Below Cal | #          | 84       |
| 25) 2-Butanone                | 4.599     | 43    | 158      | 0.225     | ug/l #     | 51       |
| 31) Cyclohexane               | 5.556     | 56    | 2114     | 1.621     | ug/l #     | 31       |
| 36) 1,1-Dichloropropene       | 5.544     | 75    | 6788     | 5.189     | ug/l #     | 52       |
| 38) Carbon Tetrachloride      | 5.550     | 117   | 7891     | 6.344     | ug/l #     | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.653     | 43    | 907      | 0.585     | ug/l #     | 1        |
| 52) Toluene                   | 8.726     | 92    | 1337     | 0.558     | ug/l       | 80       |
| 60) Dibromochloromethane      | 9.269     | 129   | 314      | 0.302     | ug/l #     | 11       |
| 64) Tetrachloroethene         | 9.275     | 164   | 318      | 0.354     | ug/l #     | 77       |
| 76) 1,2,3-Trichloropropane    | 11.079    | 75    | 34621    | 27.096    | ug/l #     | 39       |
| 81) trans-1,4-Dichloro-2-b... | 11.079    | 75    | 34621    | 74.237    | ug/l #     | 5        |
| -----                         |           |       |          |           |            |          |

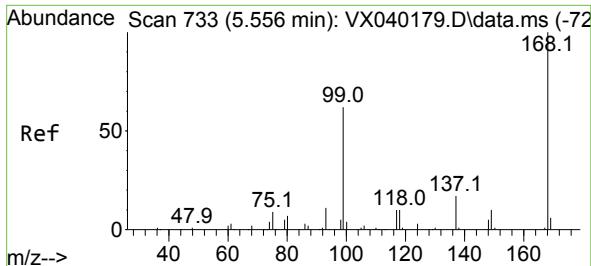
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021924\  
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Sample : P1440-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

Quant Time: Feb 20 01:20:45 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X020924W.M  
Quant Title : SW846 8260  
QLast Update : Mon Feb 12 00:21:14 2024  
Response via : Initial Calibration

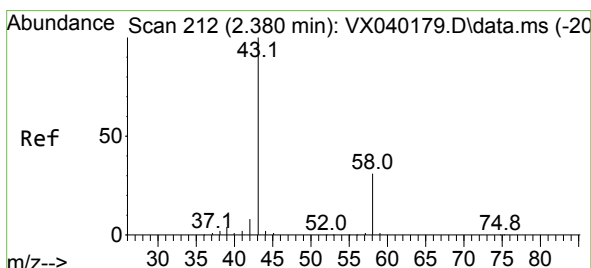
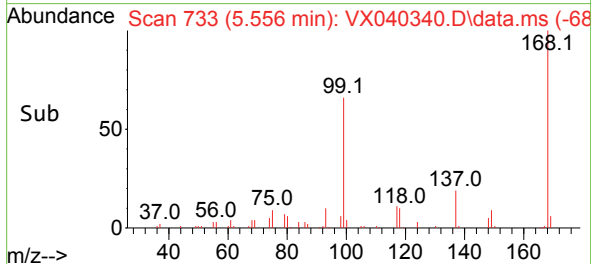
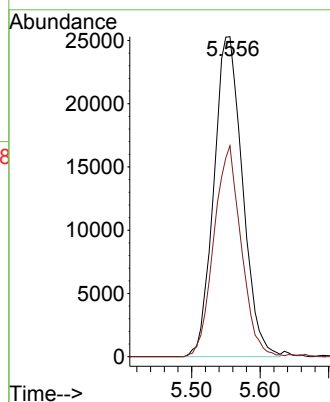
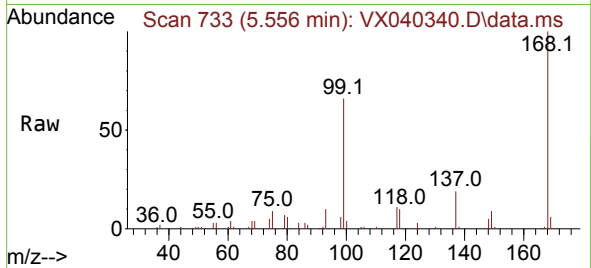




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.006 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

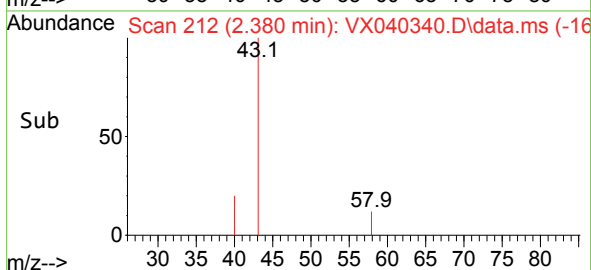
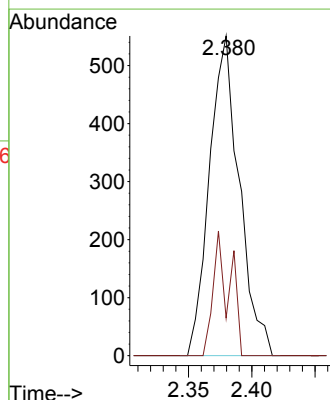
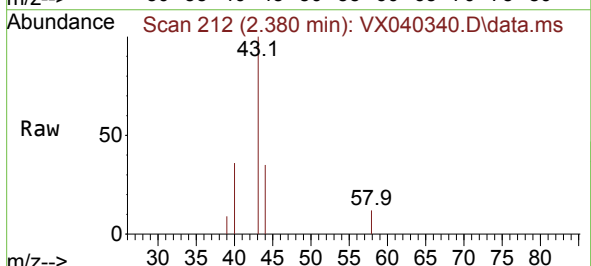
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

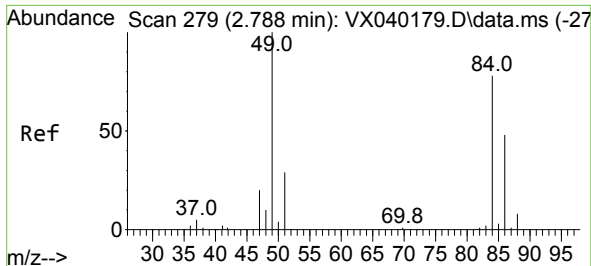
Tgt Ion:168 Resp: 73500  
Ion Ratio Lower Upper  
168 100  
99 65.9 56.6 85.0



#16  
Acetone  
Concen: 2.017 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion: 43 Resp: 906  
Ion Ratio Lower Upper  
43 100  
58 11.8 21.9 32.9





#20

Methylene Chloride

Concen: Below Cal

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX040340.D

Acq: 19 Feb 2024 18:53

Instrument :

MSVOA\_X

ClientSampleId :

TW-1

Tgt Ion: 84 Resp: 101

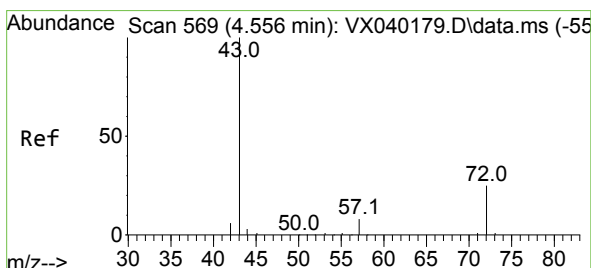
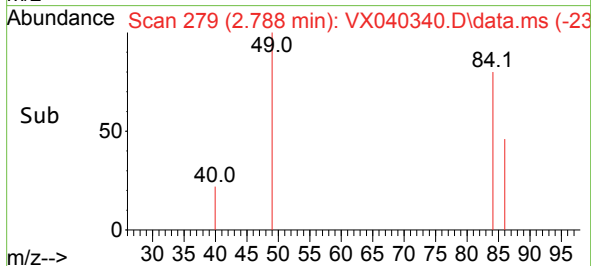
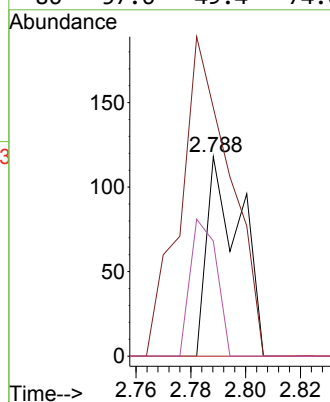
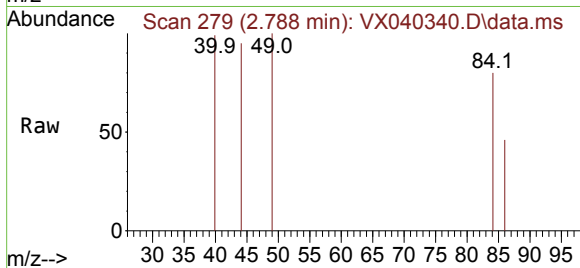
Ion Ratio Lower Upper

84 100

49 124.6 103.6 155.4

51 0.0 33.8 50.6#

86 57.6 49.4 74.0



#25

2-Butanone

Concen: 0.225 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.043 min

Lab File: VX040340.D

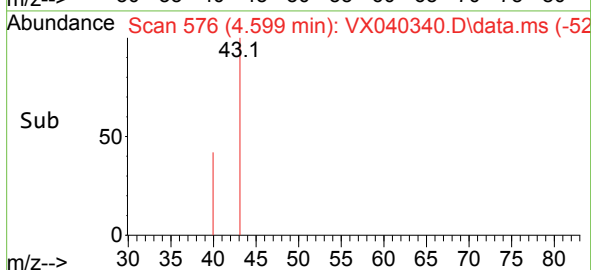
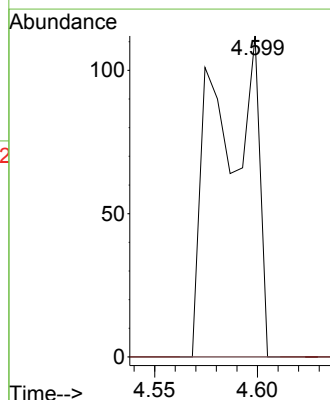
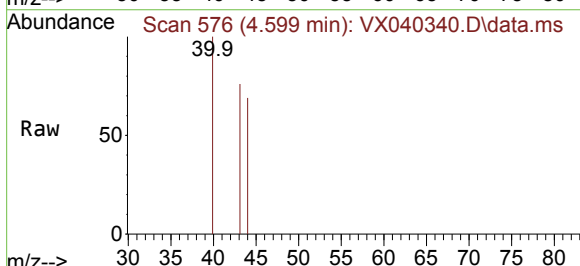
Acq: 19 Feb 2024 18:53

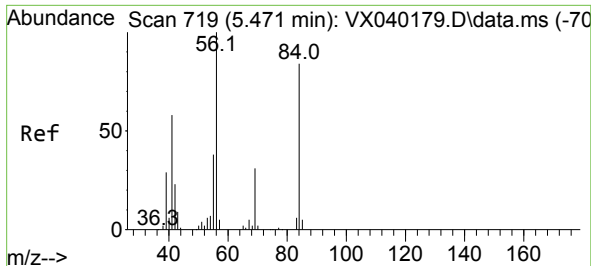
Tgt Ion: 43 Resp: 158

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#

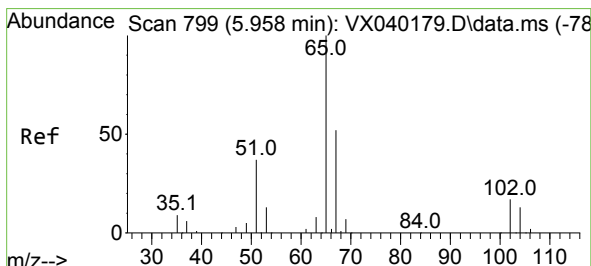
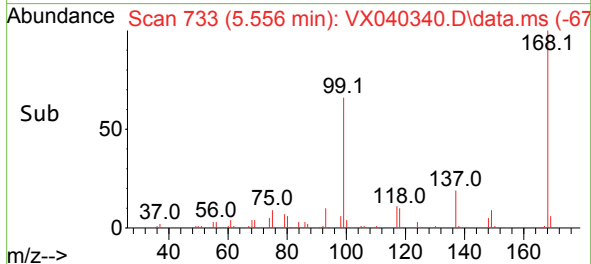
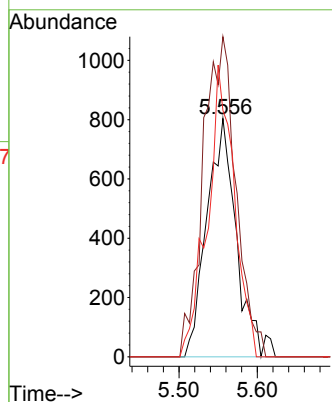
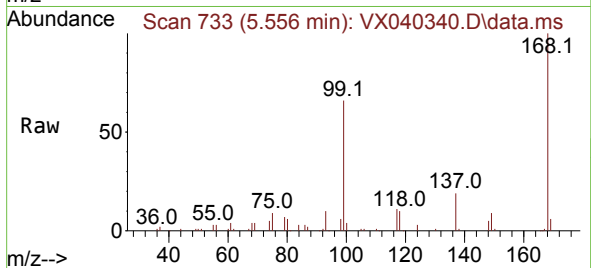




#31  
Cyclohexane  
Concen: 1.621 ug/l  
RT: 5.556 min Scan# 719  
Delta R.T. 0.086 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

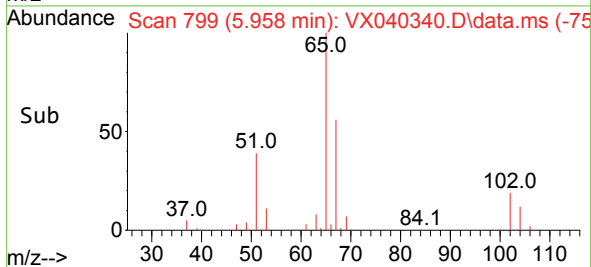
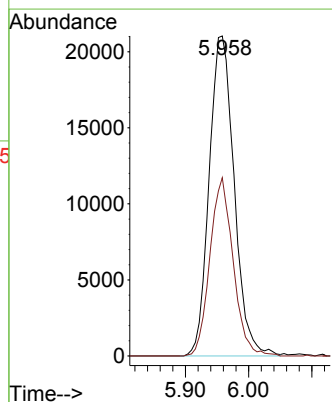
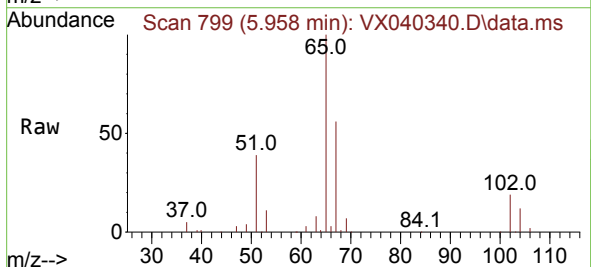
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

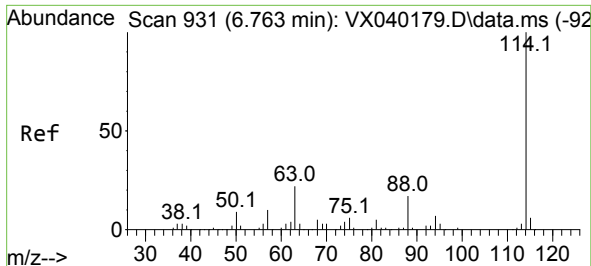
Tgt Ion: 56 Resp: 2114  
Ion Ratio Lower Upper  
56 100  
69 134.3 23.4 35.2#  
84 103.4 65.9 98.9#



#33  
1,2-Dichloroethane-d4  
Concen: 52.840 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion: 65 Resp: 57779  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 100.2

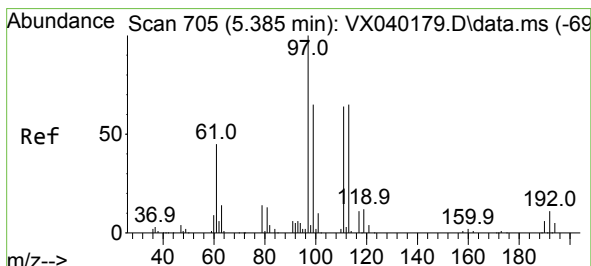
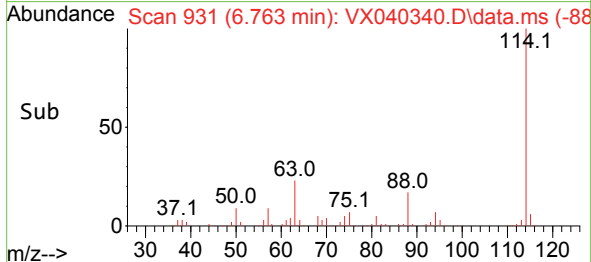
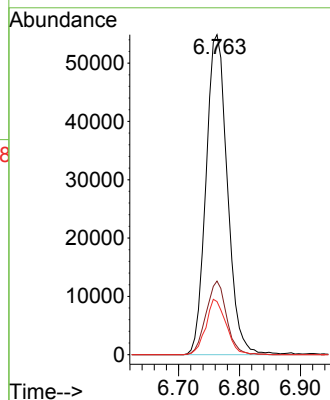
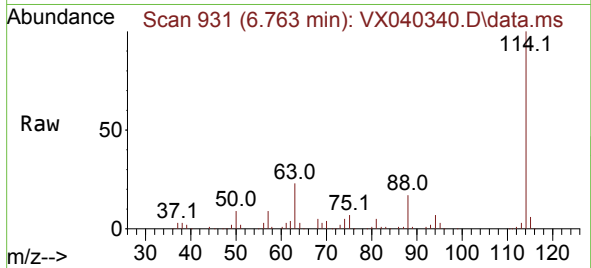




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

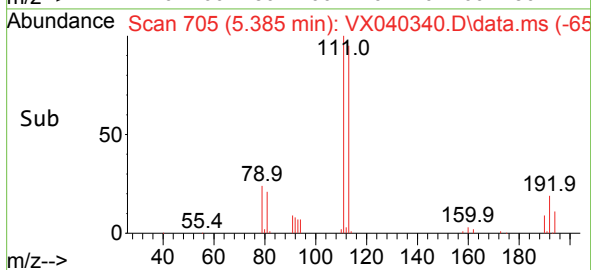
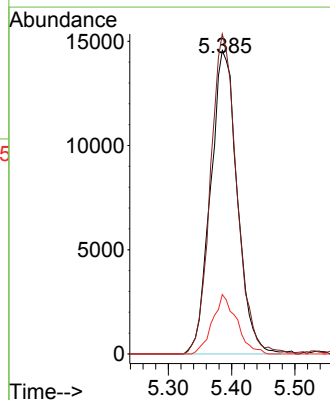
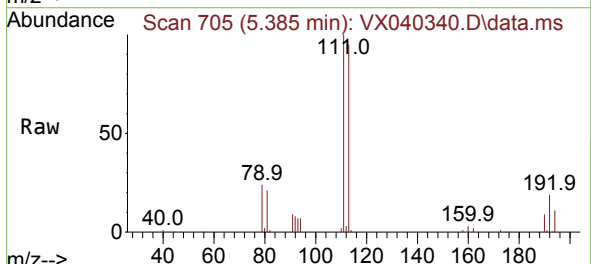
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

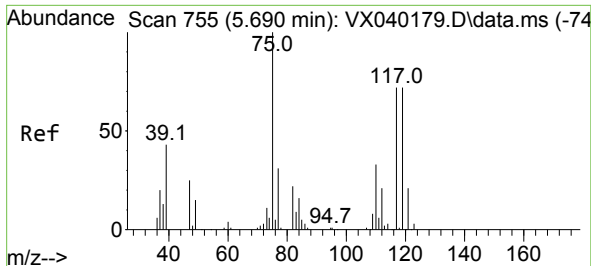
Tgt Ion:114 Resp: 133720  
Ion Ratio Lower Upper  
114 100  
63 23.0 0.0 45.0  
88 16.6 0.0 36.6



#35  
Dibromofluoromethane  
Concen: 45.690 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion:113 Resp: 42667  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.9 124.3  
192 17.8 13.3 19.9

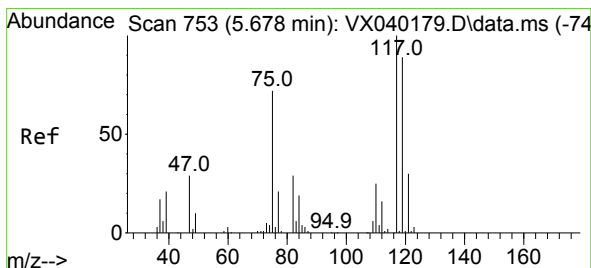
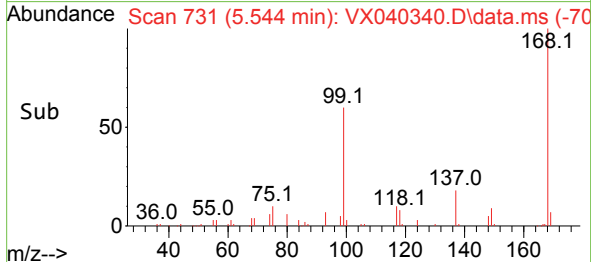
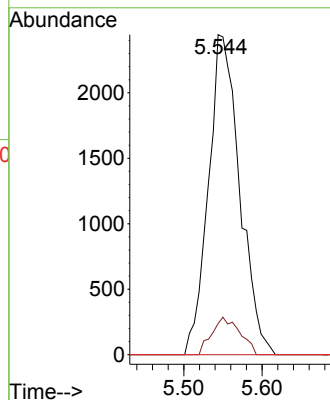
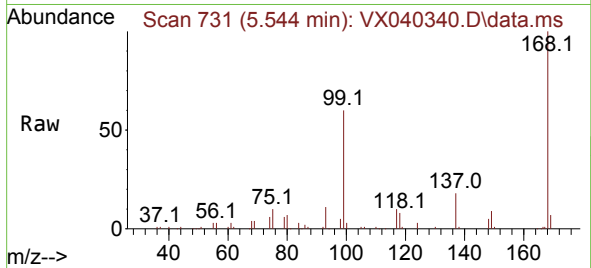




#36  
1,1-Dichloropropene  
Concen: 5.189 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.152 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

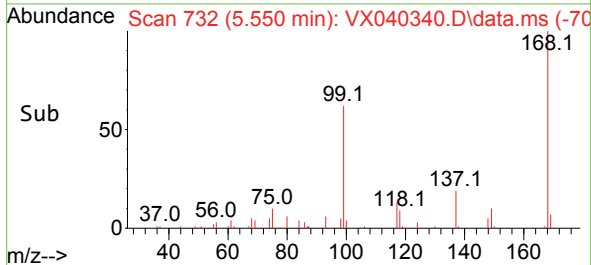
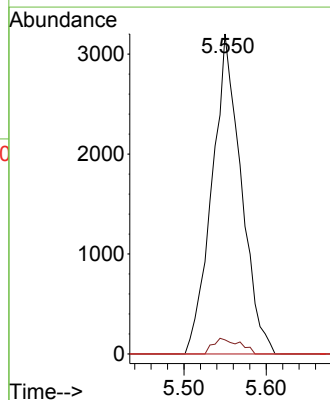
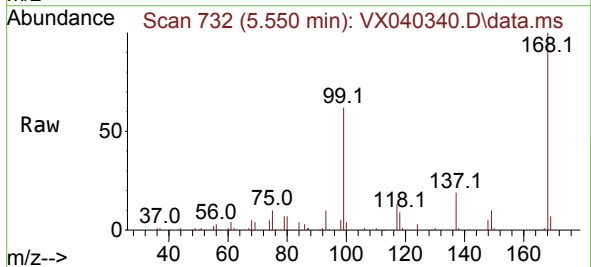
Instrument :  
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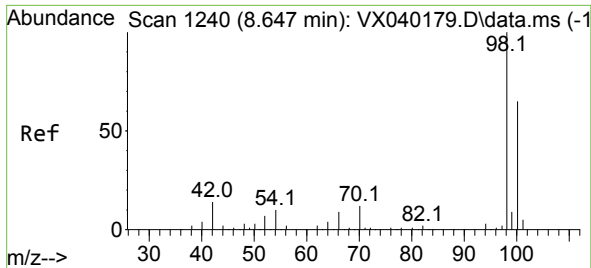
Tgt Ion: 75 Resp: 6788  
Ion Ratio Lower Upper  
75 100  
110 10.5 17.0 50.9#  
77 0.0 24.7 37.1#



#38  
Carbon Tetrachloride  
Concen: 6.344 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.122 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion: 117 Resp: 7891  
Ion Ratio Lower Upper  
117 100  
119 4.4 78.2 117.2#  
121 0.0 24.4 36.6#

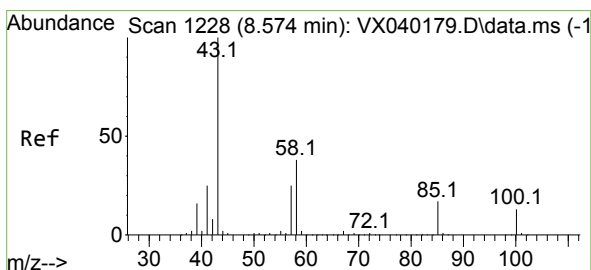
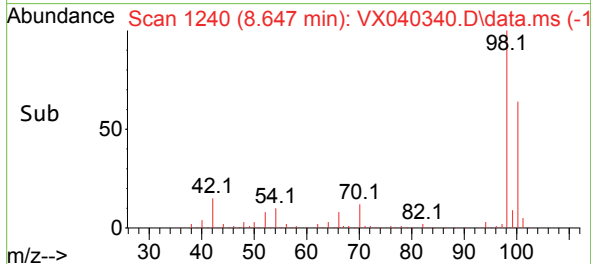
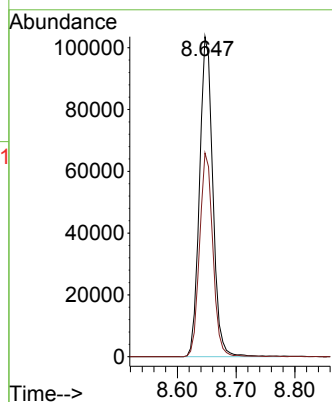
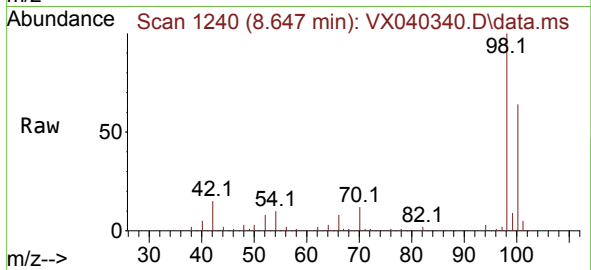




#50  
Toluene-d8  
Concen: 46.647 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

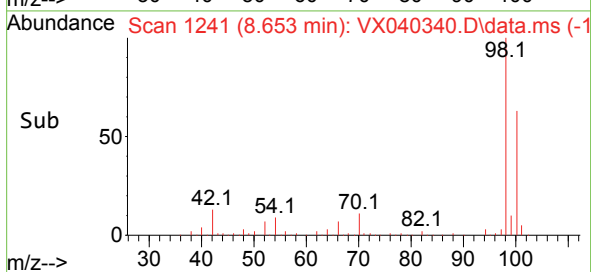
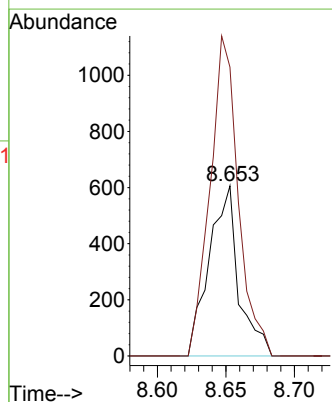
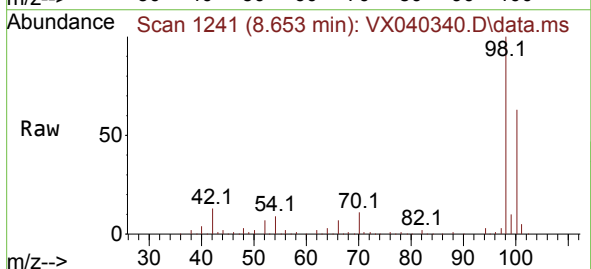
Instrument :  
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ClientSampleId :  
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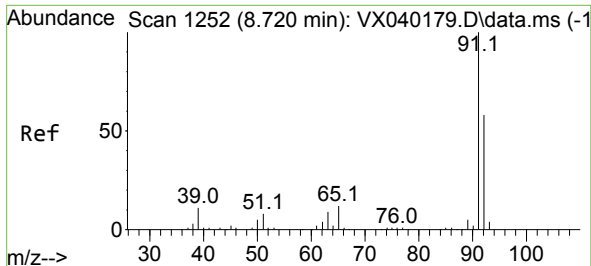
Tgt Ion: 98 Resp: 162945  
Ion Ratio Lower Upper  
98 100  
100 63.5 53.1 79.7



#51  
4-Methyl-2-Pentanone  
Concen: 0.585 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.079 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion: 43 Resp: 907  
Ion Ratio Lower Upper  
43 100  
58 180.6 30.4 45.6#

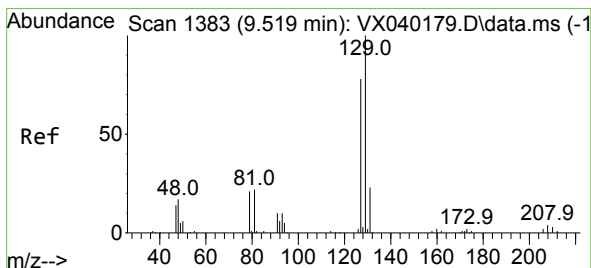
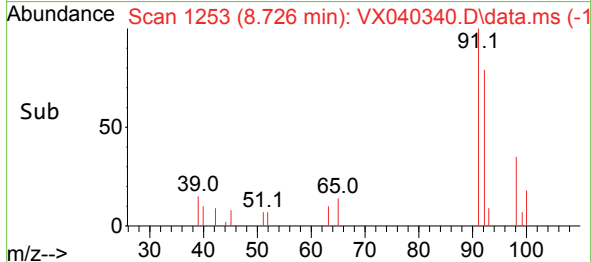
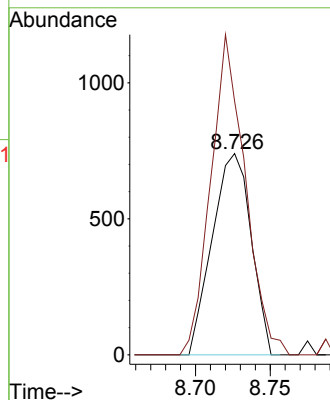
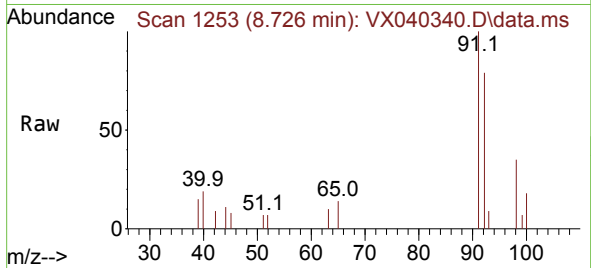




#52  
Toluene  
Concen: 0.558 ug/l  
RT: 8.726 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

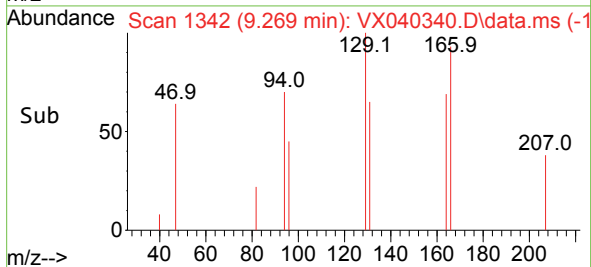
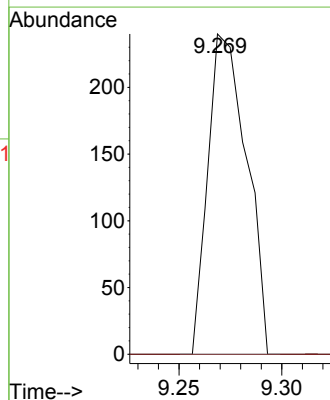
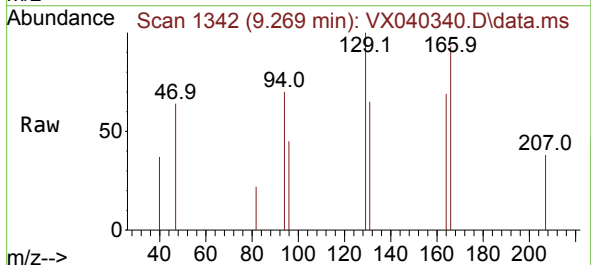
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

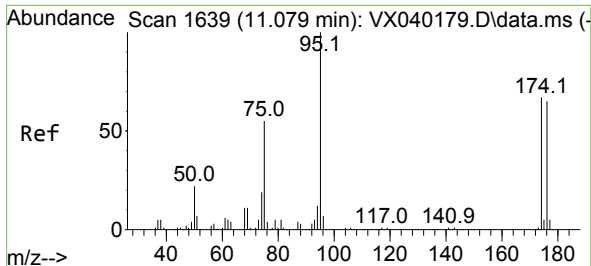
Tgt Ion: 92 Resp: 1337  
Ion Ratio Lower Upper  
92 100  
91 141.0 134.2 201.2



#60  
Dibromochloromethane  
Concen: 0.302 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.250 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion:129 Resp: 314  
Ion Ratio Lower Upper  
129 100  
127 0.0 38.8 116.4#

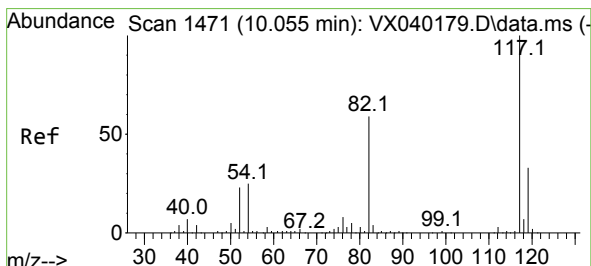
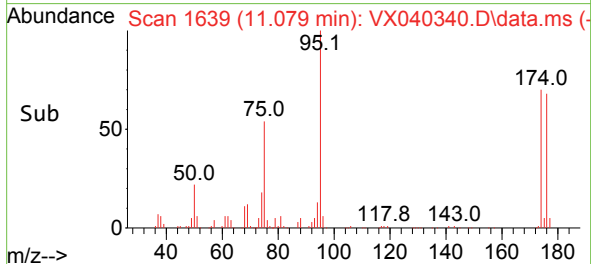
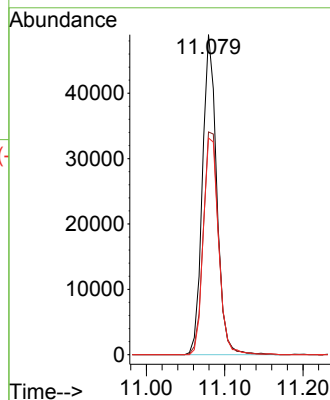
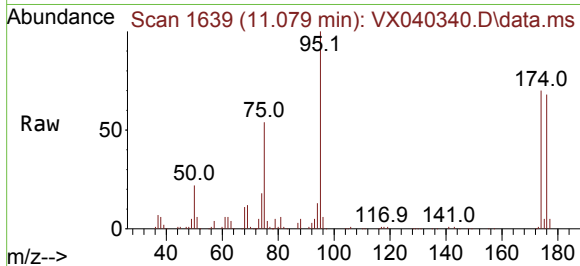




#62  
4-Bromofluorobenzene  
Concen: 43.518 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

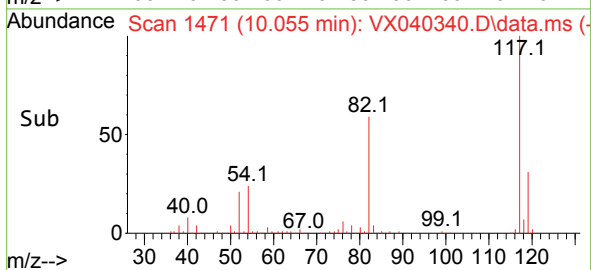
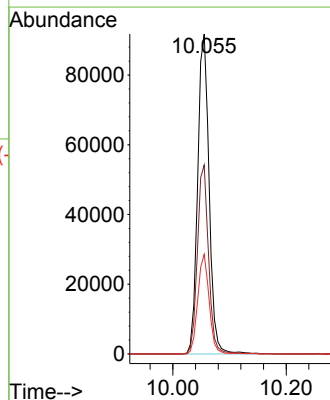
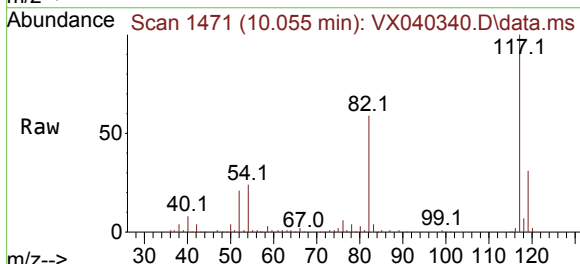
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

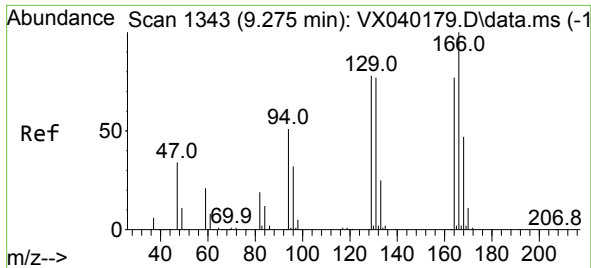
Tgt Ion: 95 Resp: 61998  
Ion Ratio Lower Upper  
95 100  
174 74.6 0.0 135.6  
176 72.3 0.0 131.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion: 117 Resp: 128364  
Ion Ratio Lower Upper  
117 100  
82 59.1 46.2 69.4  
119 31.2 25.5 38.3

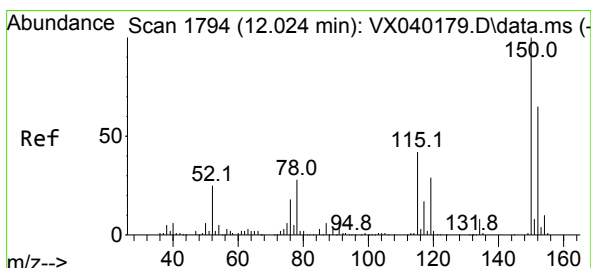
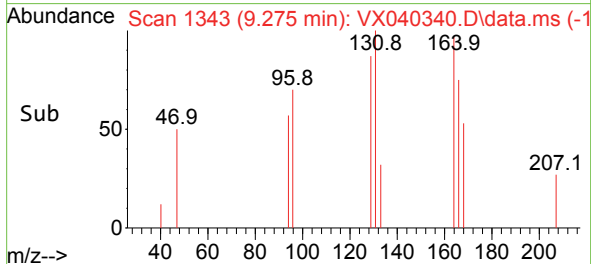
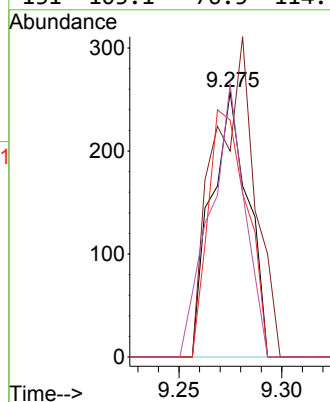
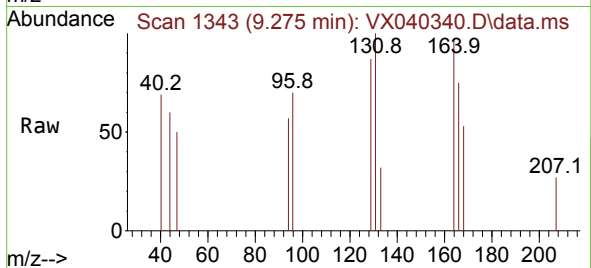




#64  
Tetrachloroethene  
Concen: 0.354 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

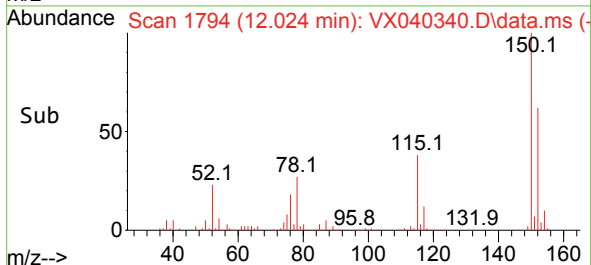
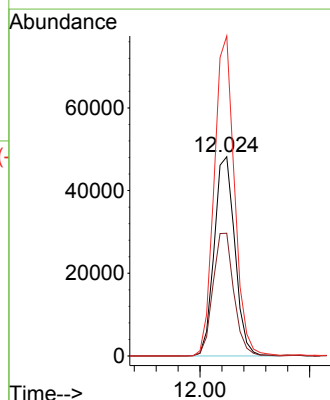
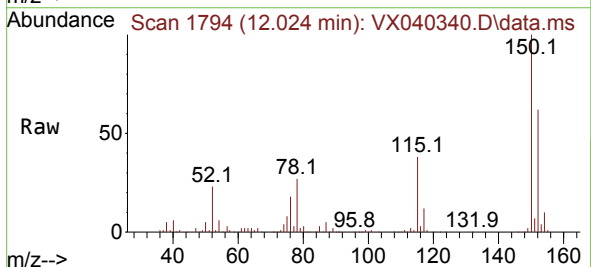
Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

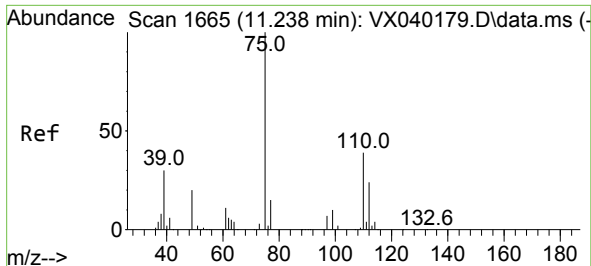
|             |       |              |
|-------------|-------|--------------|
| Tgt Ion:164 | Resp: | 318          |
| Ion         | Ratio | Lower Upper  |
| 164         | 100   |              |
| 166         | 77.8  | 102.7 154.1# |
| 129         | 89.5  | 80.4 120.6   |
| 131         | 103.1 | 76.5 114.7   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 63095       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 62.4  | 43.3 129.9  |
| 150         | 157.4 | 0.0 345.0   |

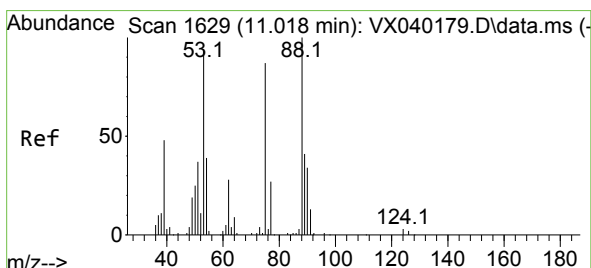
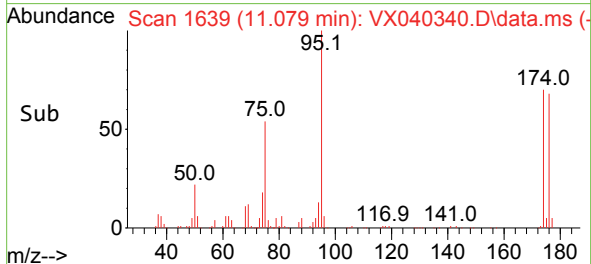
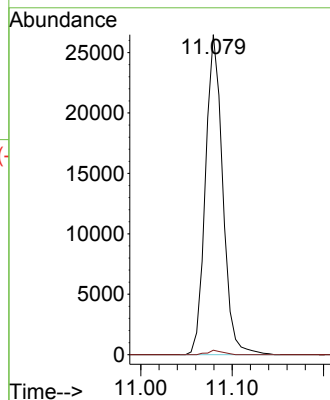
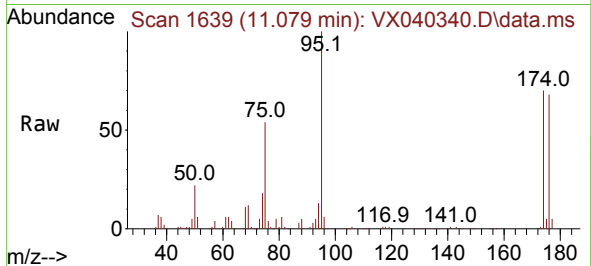




#76  
1,2,3-Trichloropropane  
Concen: 27.096 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Instrument :  
MSVOA\_X  
ClientSampleId :  
TW-1

Tgt Ion: 75 Resp: 34621  
Ion Ratio Lower Upper  
75 100  
77 1.2 19.1 57.5#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 74.237 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX040340.D  
Acq: 19 Feb 2024 18:53

Tgt Ion: 75 Resp: 34621  
Ion Ratio Lower Upper  
75 100  
53 0.0 90.5 135.7#  
89 0.0 36.9 55.3#

