

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041625\  
 Data File : VX045798.D  
 Acq On : 16 Apr 2025 11:24  
 Operator : JC/MD  
 Sample : VX0416MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0416MBL01

Quant Time: Apr 17 01:35:11 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Apr 02 03:11:43 2025  
 Response via : Initial Calibration

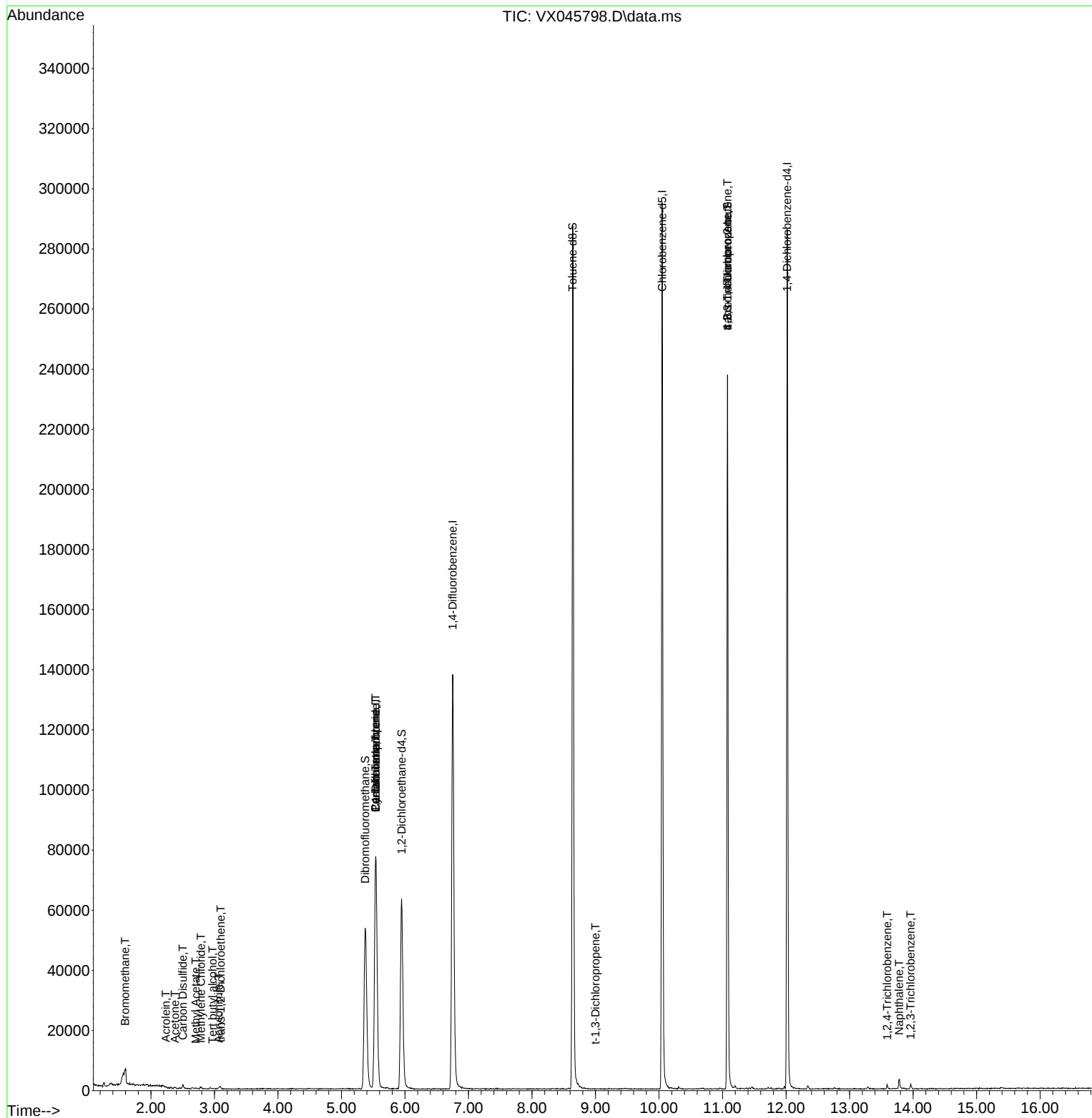
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.537  | 168   | 66309    | 50.000   | ug/l   | -0.01    |
| 34) 1,4-Difluorobenzene       | 6.751  | 114   | 132928   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.049 | 117   | 121692   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 52269    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.946  | 65    | 65486    | 54.004   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery | =      | 108.000% |
| 35) Dibromofluoromethane      | 5.373  | 113   | 47459    | 50.321   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 100.640% |
| 50) Toluene-d8                | 8.641  | 98    | 164131   | 49.859   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery | =      | 99.720%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 62894    | 52.452   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 77 - 121 | Recovery | =      | 104.900% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Bromomethane               | 1.593  | 94    | 157      | 0.355    | ug/l # | 76       |
| 11) Tert butyl alcohol        | 2.971  | 59    | 109      | 0.669    | ug/l # | 72       |
| 13) Acrolein                  | 2.233  | 56    | 175      | 0.780    | ug/l # | 74       |
| 15) Acrylonitrile             | 3.068  | 53    | 334      | 0.649    | ug/l # | 41       |
| 16) Acetone                   | 2.380  | 43    | 453      | 0.910    | ug/l # | 47       |
| 17) Carbon Disulfide          | 2.501  | 76    | 1474     | 0.750    | ug/l   | 98       |
| 18) Methyl Acetate            | 2.703  | 43    | 350      | 0.305    | ug/l # | 54       |
| 20) Methylene Chloride        | 2.788  | 84    | 322      | 0.345    | ug/l # | 73       |
| 21) trans-1,2-Dichloroethene  | 3.099  | 96    | 281      | 0.346    | ug/l # | 57       |
| 31) Cyclohexane               | 5.537  | 56    | 2116     | 1.423    | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 5.537  | 75    | 6970     | 5.473    | ug/l # | 47       |
| 38) Carbon Tetrachloride      | 5.537  | 117   | 7915     | 5.751    | ug/l # | 16       |
| 53) t-1,3-Dichloropropene     | 9.000  | 75    | 20       | 2.302    | ug/l # | 43       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 36050    | 28.275   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 36050    | 95.963   | ug/l # | 1        |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180   | 543      | 0.557    | ug/l   | 88       |
| 95) Naphthalene               | 13.780 | 128   | 2899     | 0.799    | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180   | 546      | 0.535    | ug/l   | 89       |

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

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Data File : VX045798.D  
Acq On : 16 Apr 2025 11:24  
Operator : JC/MD  
Sample : VX0416MBL01  
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

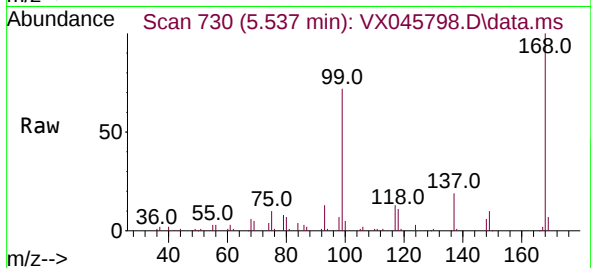
Quant Time: Apr 17 01:35:11 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X040225W.M  
Quant Title : SW846 8260  
QLast Update : Wed Apr 02 03:11:43 2025  
Response via : Initial Calibration



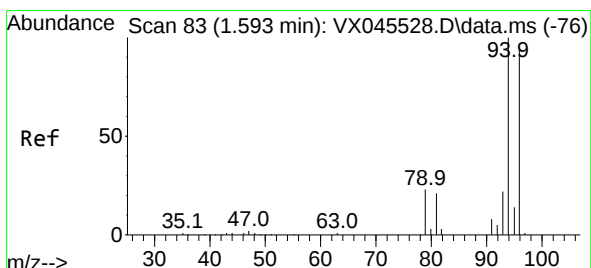
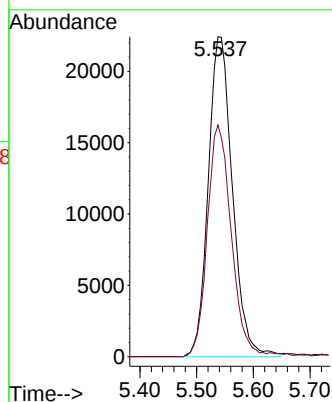
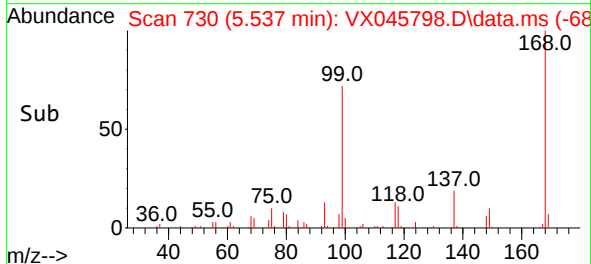


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.013 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

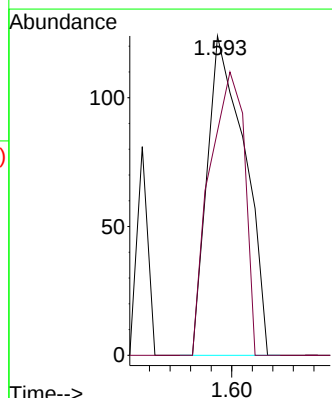
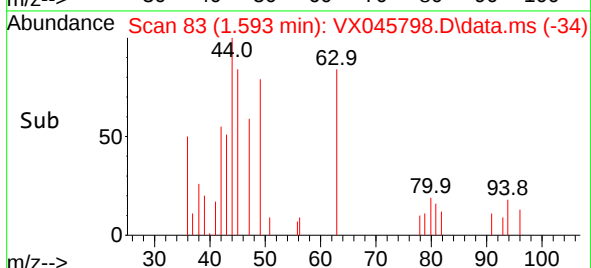
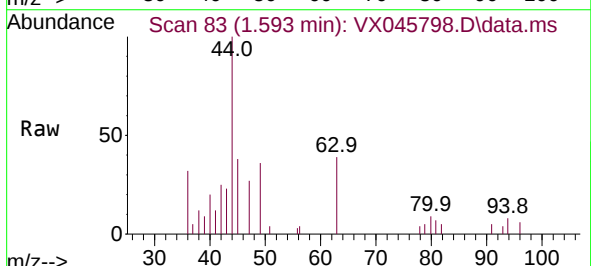


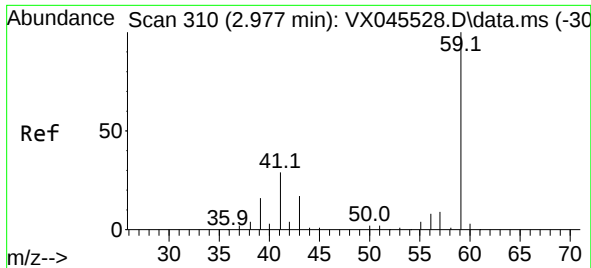
Tgt Ion:168 Resp: 66309  
Ion Ratio Lower Upper  
168 100  
99 72.4 52.3 78.5



#5  
Bromomethane  
Concen: 0.355 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Tgt Ion: 94 Resp: 157  
Ion Ratio Lower Upper  
94 100  
96 70.2 74.8 112.2#

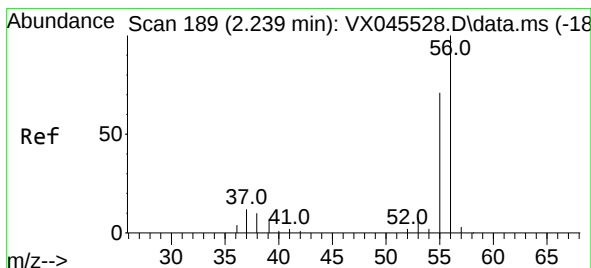
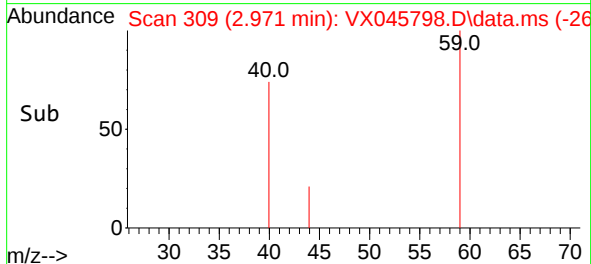
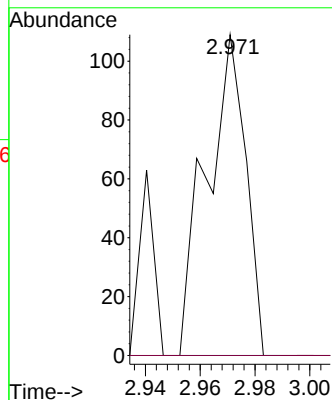
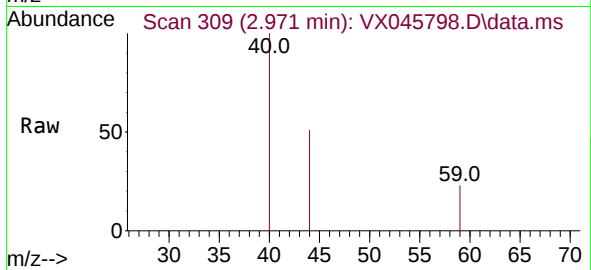




#11  
Tert butyl alcohol  
Concen: 0.669 ug/l  
RT: 2.971 min Scan# 309  
Delta R.T. -0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

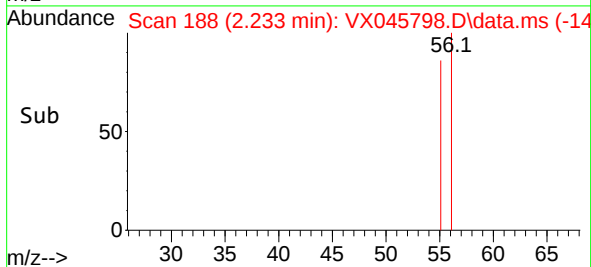
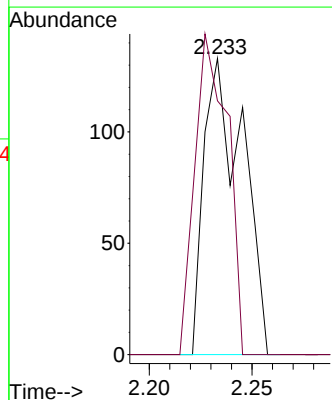
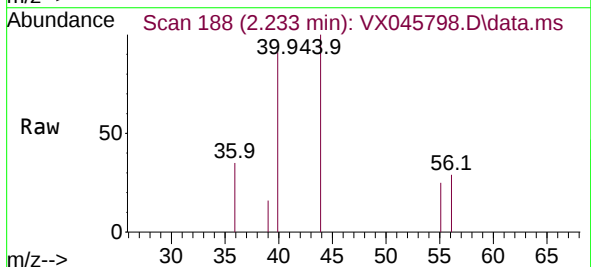
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

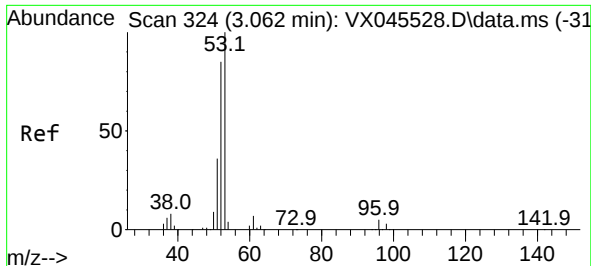
Tgt Ion: 59 Resp: 109  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 12.8#



#13  
Acrolein  
Concen: 0.780 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Tgt Ion: 56 Resp: 175  
Ion Ratio Lower Upper  
56 100  
55 91.4 56.2 84.2#





#15

Acrylonitrile

Concen: 0.649 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045798.D

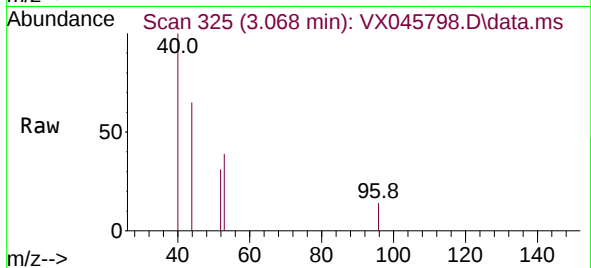
Acq: 16 Apr 2025 11:24

Instrument :

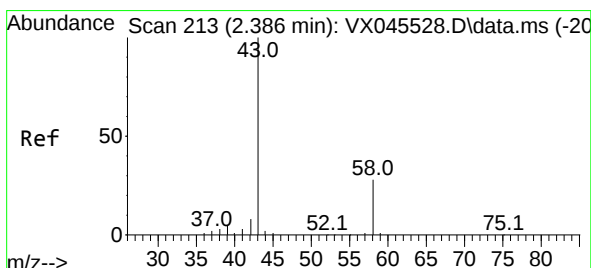
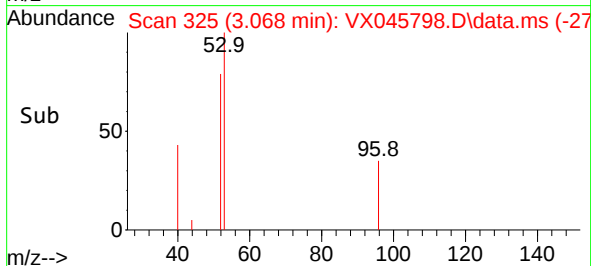
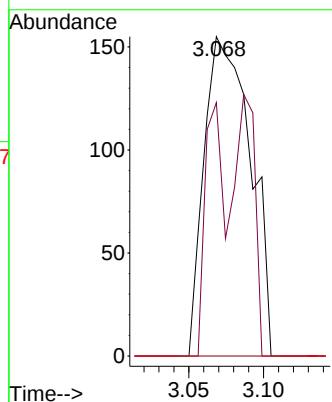
MSVOA\_X

ClientSampleId :

VX0416MBL01



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 334    |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 31.7  | 67.4  | 101.2# |
| 51       | 0.0   | 29.9  | 44.9#  |



#16

Acetone

Concen: 0.910 ug/l

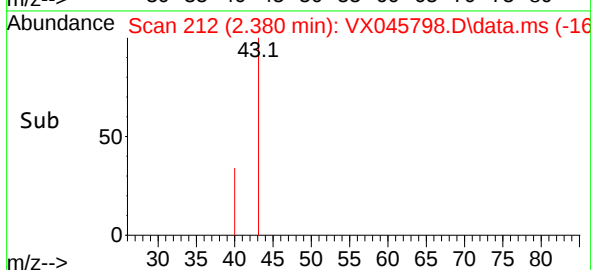
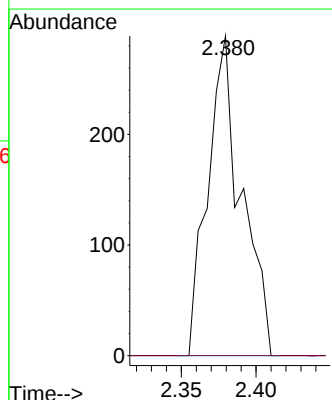
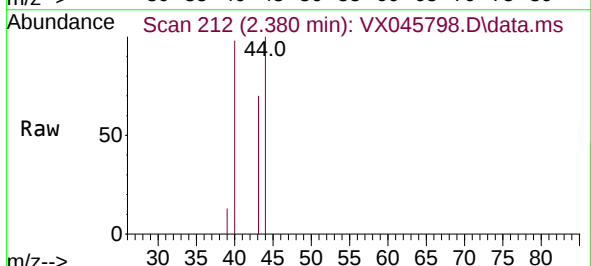
RT: 2.380 min Scan# 212

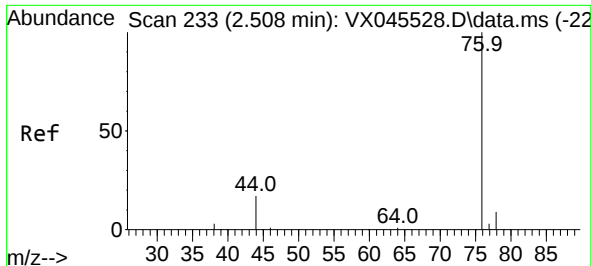
Delta R.T. -0.006 min

Lab File: VX045798.D

Acq: 16 Apr 2025 11:24

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 453   |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 0.0   | 22.3  | 33.5# |

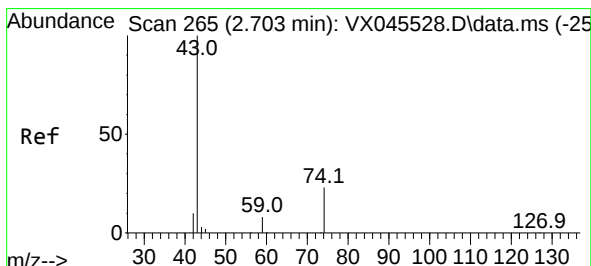
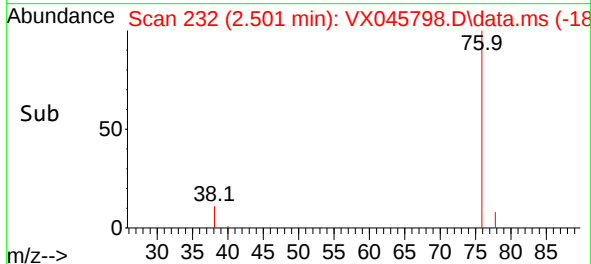
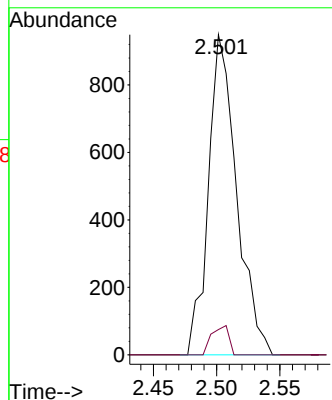
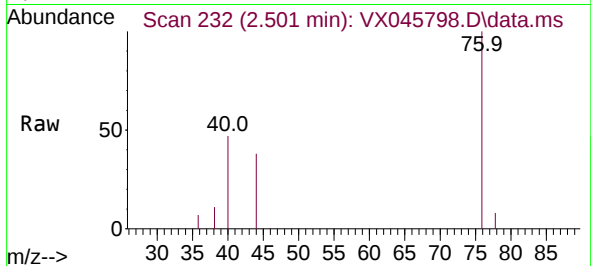




#17  
Carbon Disulfide  
Concen: 0.750 ug/l  
RT: 2.501 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

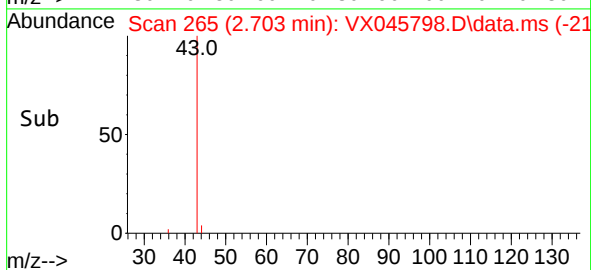
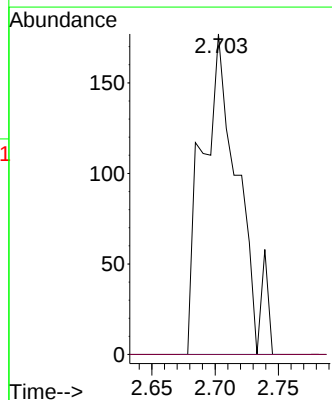
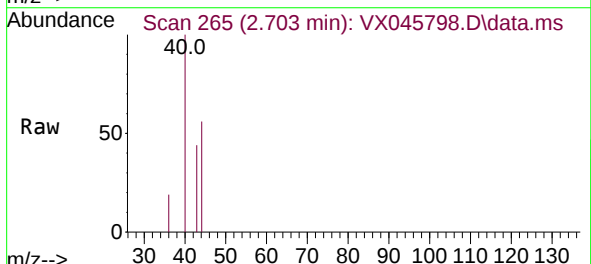
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

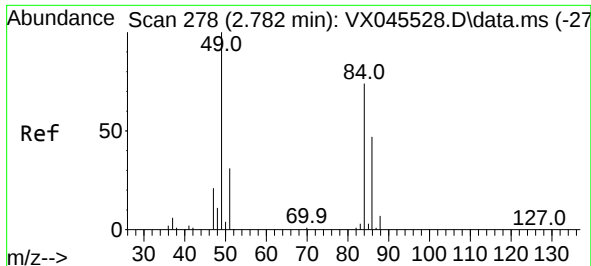
Tgt Ion: 76 Resp: 1474  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.0 10.6



#18  
Methyl Acetate  
Concen: 0.305 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Tgt Ion: 43 Resp: 350  
Ion Ratio Lower Upper  
43 100  
74 0.0 17.5 26.3#

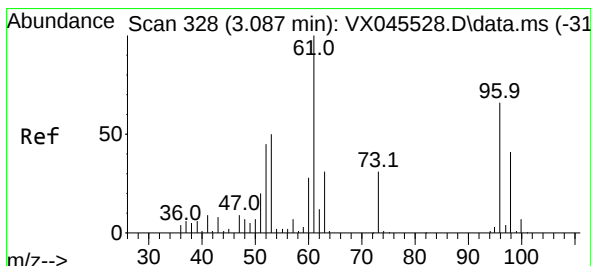
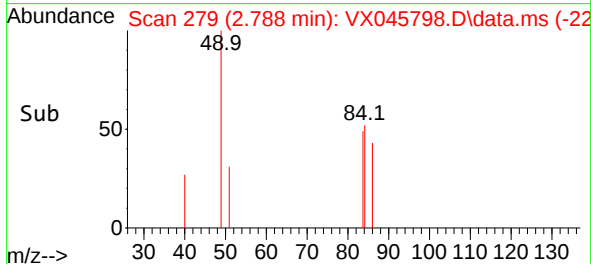
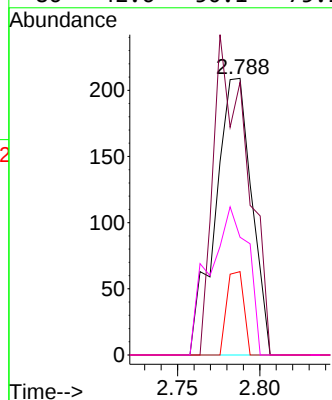
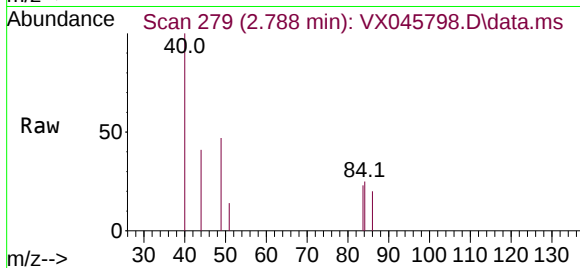




#20  
Methylene Chloride  
Concen: 0.345 ug/l  
RT: 2.788 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

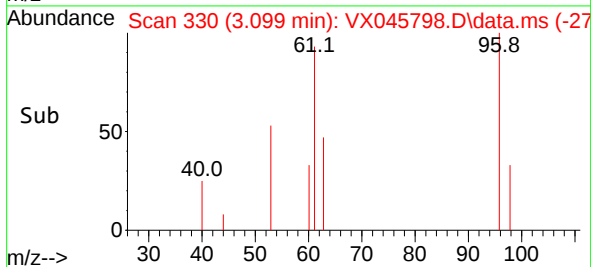
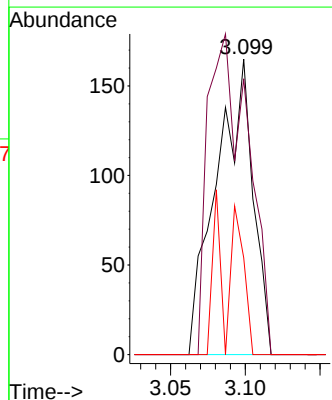
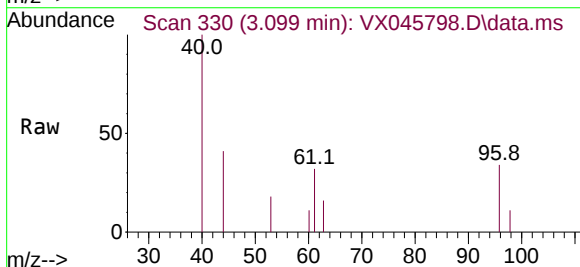
Instrument :  
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ClientSampleId :  
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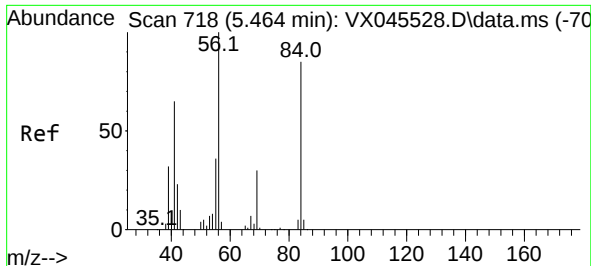
Tgt Ion: 84 Resp: 322  
Ion Ratio Lower Upper  
84 100  
49 98.6 107.5 161.3#  
51 30.1 33.0 49.6#  
86 42.6 50.1 75.1#



#21  
trans-1,2-Dichloroethene  
Concen: 0.346 ug/l  
RT: 3.099 min Scan# 330  
Delta R.T. 0.012 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

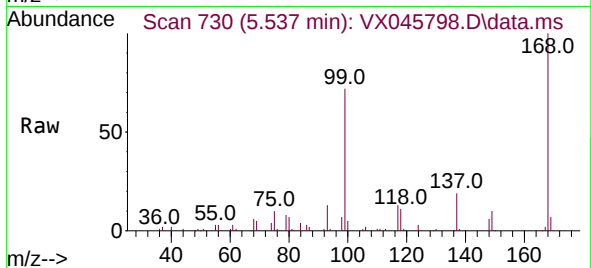
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Ion Ratio Lower Upper  
96 100  
61 93.3 121.0 181.6#  
98 32.7 49.7 74.5#



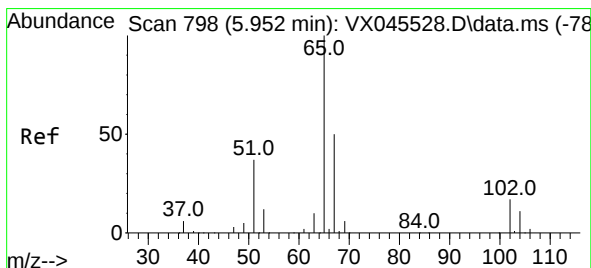
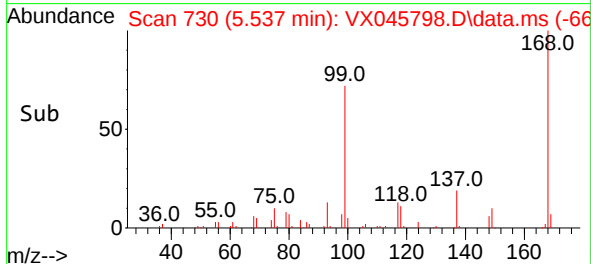
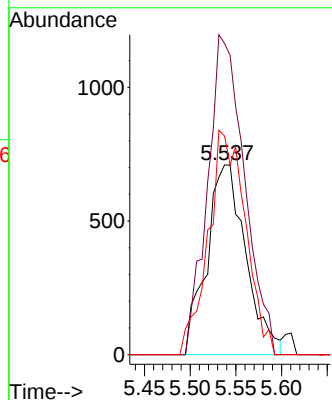


#31  
Cyclohexane  
Concen: 1.423 ug/l  
RT: 5.537 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

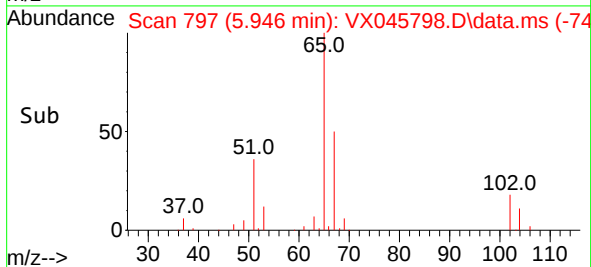
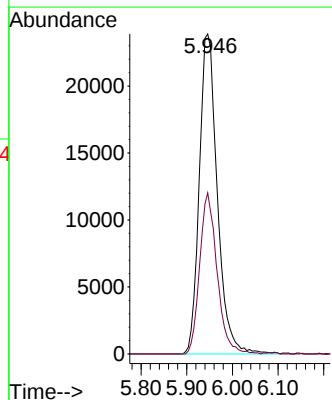
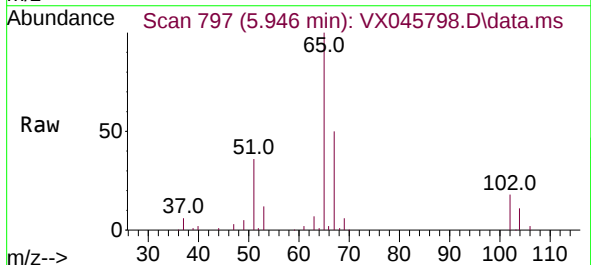


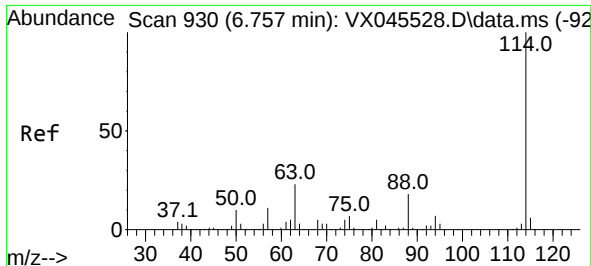
Tgt Ion: 56 Resp: 2116  
Ion Ratio Lower Upper  
56 100  
69 163.9 23.6 35.4#  
84 115.2 67.7 101.5#



#33  
1,2-Dichloroethane-d4  
Concen: 54.004 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Tgt Ion: 65 Resp: 65486  
Ion Ratio Lower Upper  
65 100  
67 48.5 0.0 99.0

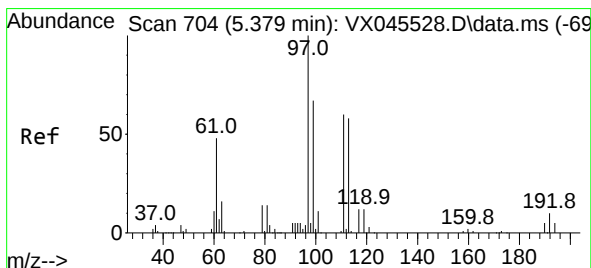
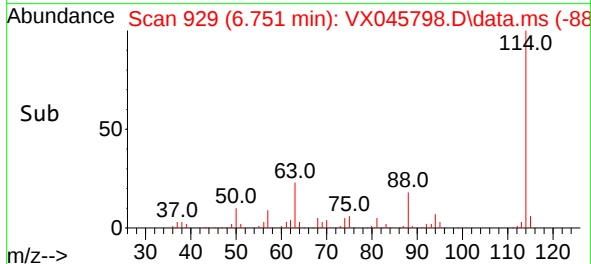
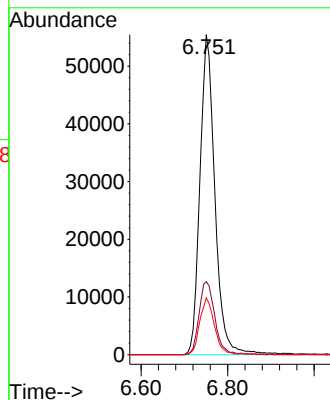
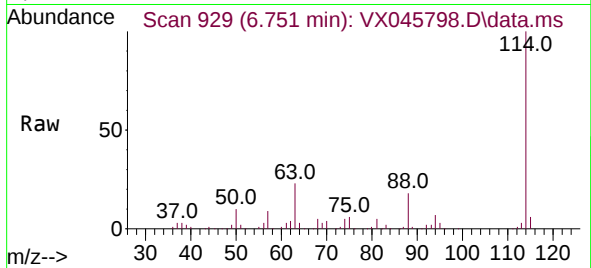




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

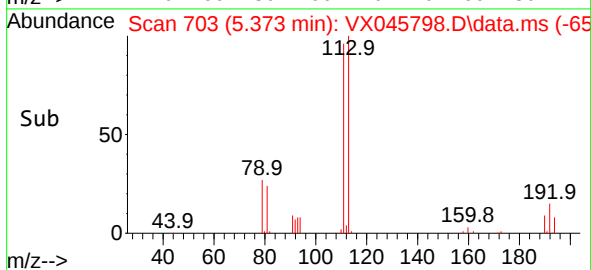
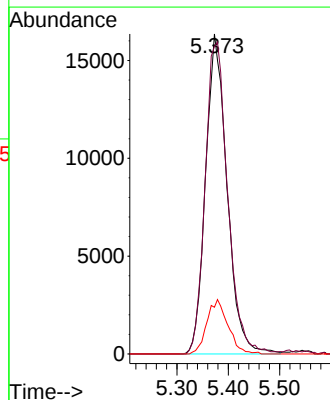
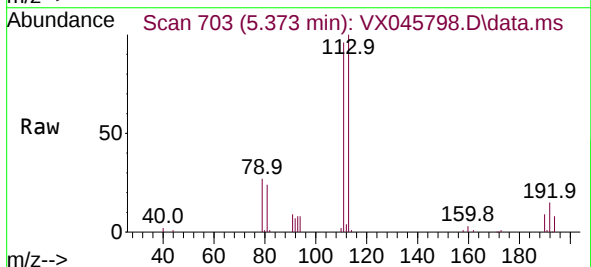
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

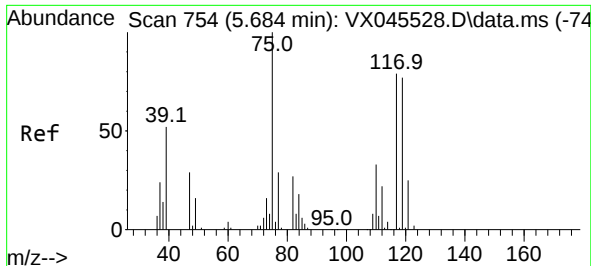
Tgt Ion:114 Resp: 132928  
Ion Ratio Lower Upper  
114 100  
63 22.8 0.0 46.8  
88 17.7 0.0 35.4



#35  
Dibromofluoromethane  
Concen: 50.321 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Tgt Ion:113 Resp: 47459  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.8 122.6  
192 16.8 13.8 20.6





#36

1,1-Dichloropropene

Concen: 5.473 ug/l

RT: 5.537 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX045798.D

Acq: 16 Apr 2025 11:24

Instrument :

MSVOA\_X

ClientSampleId :

VX0416MBL01

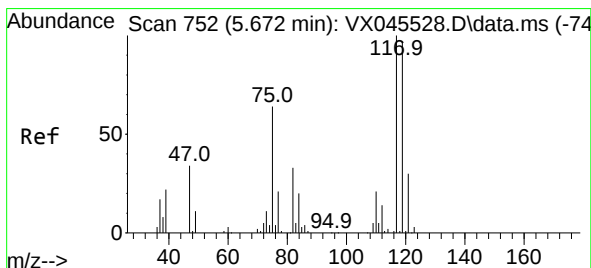
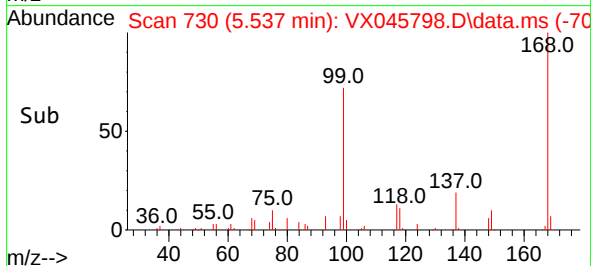
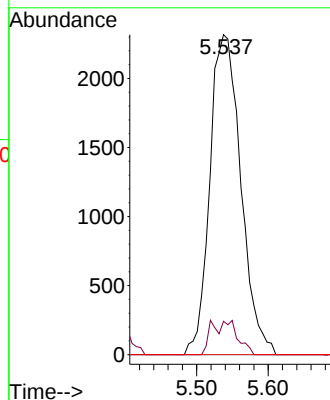
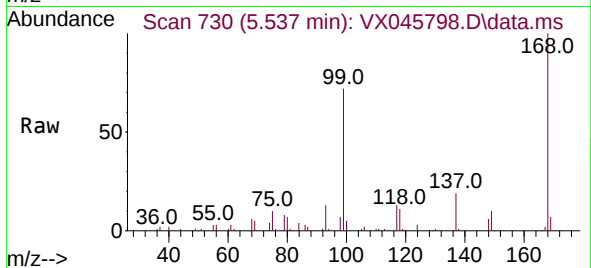
Tgt Ion: 75 Resp: 6970

Ion Ratio Lower Upper

75 100

110 5.5 16.9 50.6#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.751 ug/l

RT: 5.537 min Scan# 730

Delta R.T. -0.134 min

Lab File: VX045798.D

Acq: 16 Apr 2025 11:24

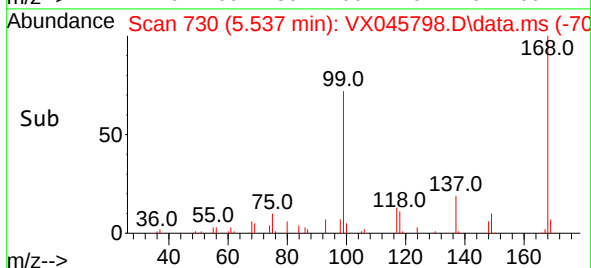
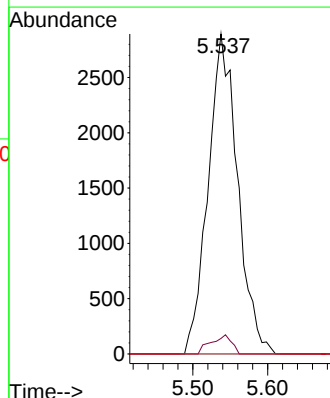
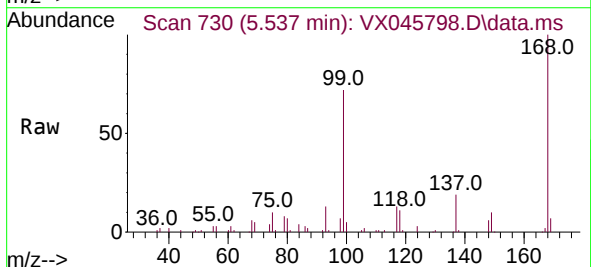
Tgt Ion: 117 Resp: 7915

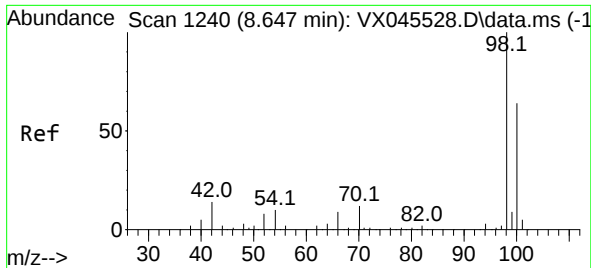
Ion Ratio Lower Upper

117 100

119 4.8 76.9 115.3#

121 0.0 24.2 36.2#

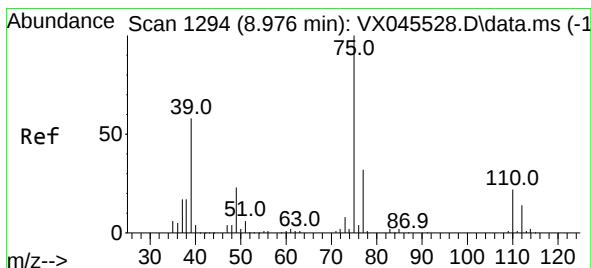
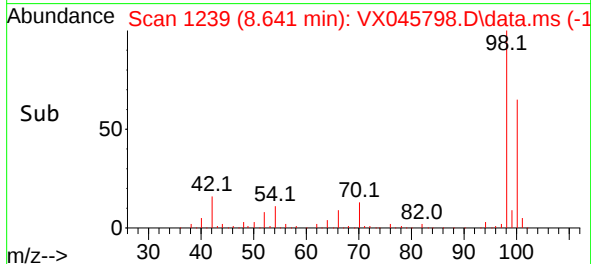
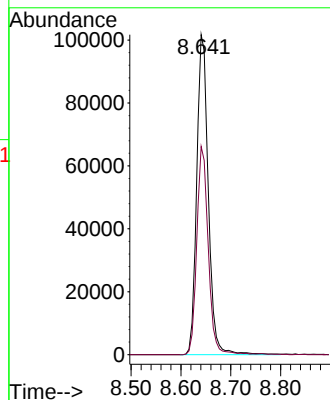
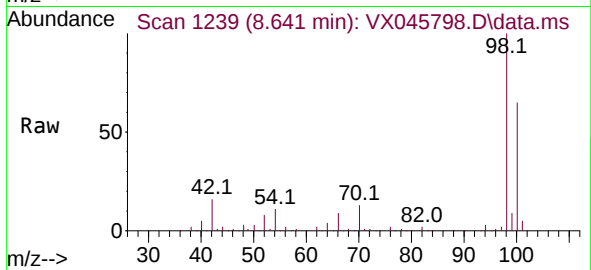




#50  
Toluene-d8  
Concen: 49.859 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. -0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

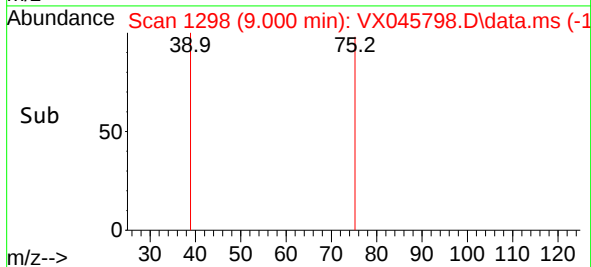
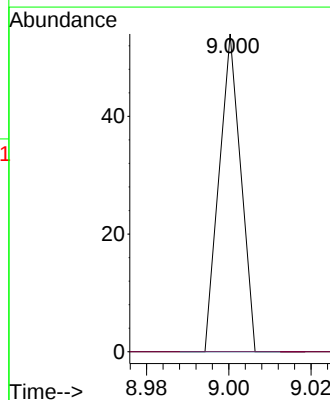
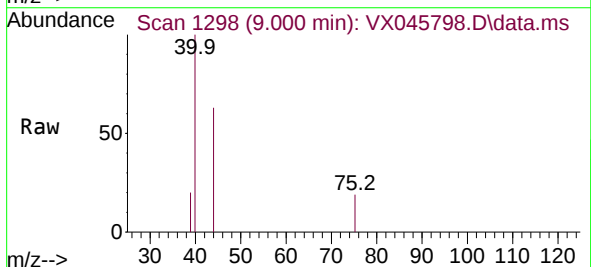
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

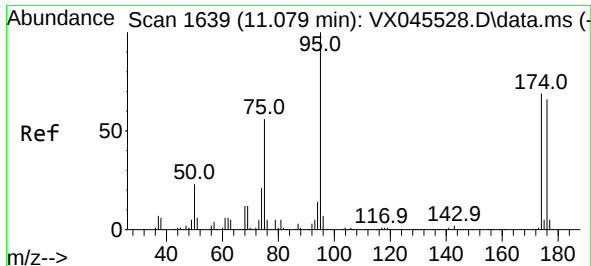
Tgt Ion: 98 Resp: 164131  
Ion Ratio Lower Upper  
98 100  
100 64.3 52.2 78.4



#53  
t-1,3-Dichloropropene  
Concen: 2.302 ug/l  
RT: 9.000 min Scan# 1298  
Delta R.T. 0.024 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Tgt Ion: 75 Resp: 20  
Ion Ratio Lower Upper  
75 100  
77 0.0 25.4 38.0#





#62

4-Bromofluorobenzene

Concen: 52.452 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045798.D

Acq: 16 Apr 2025 11:24

Instrument :

MSVOA\_X

ClientSampleId :

VX0416MBL01

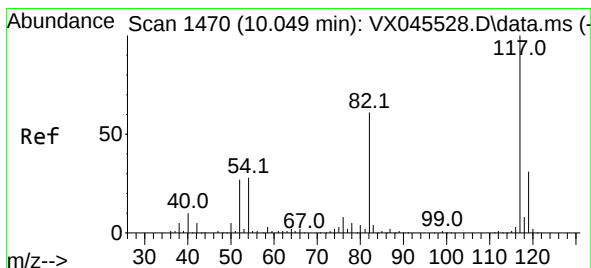
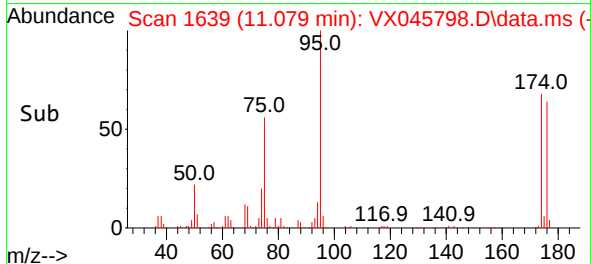
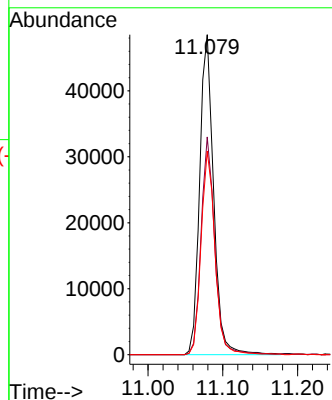
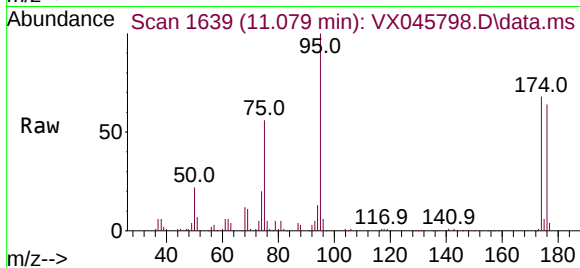
Tgt Ion: 95 Resp: 62894

Ion Ratio Lower Upper

95 100

174 66.6 0.0 135.8

176 63.2 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045798.D

Acq: 16 Apr 2025 11:24

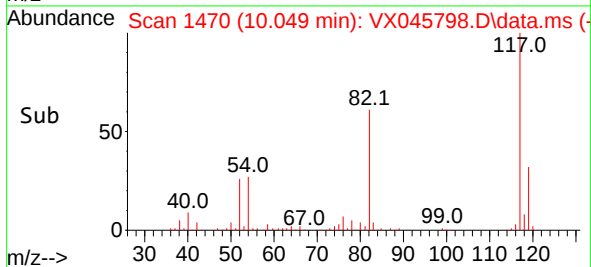
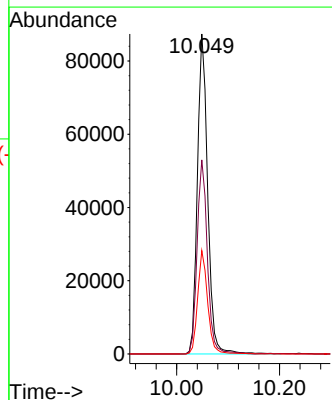
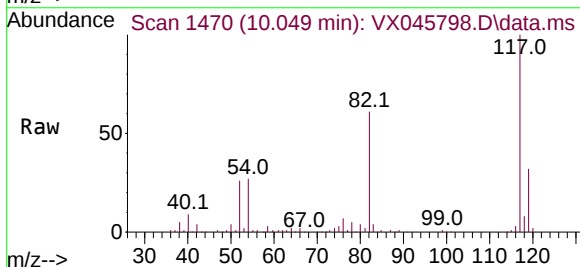
Tgt Ion: 117 Resp: 121692

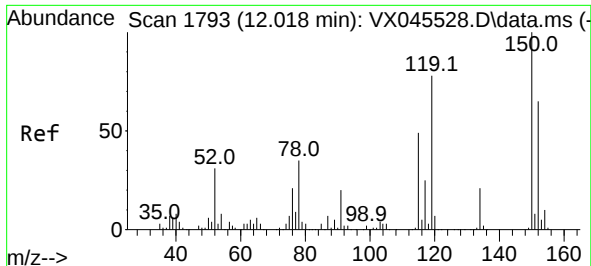
Ion Ratio Lower Upper

117 100

82 60.7 49.2 73.8

119 32.3 25.1 37.7

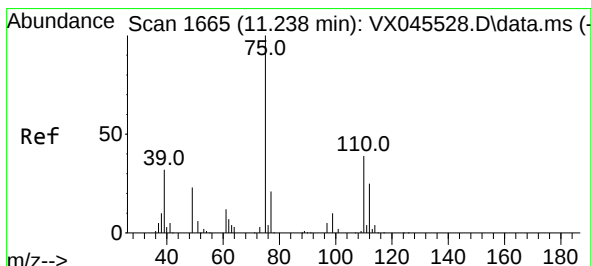
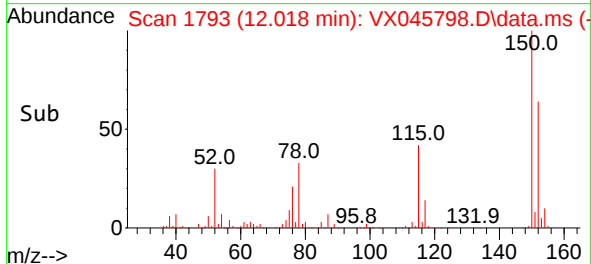
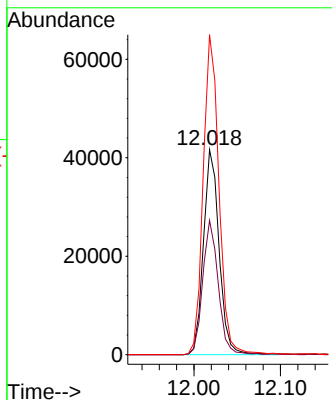
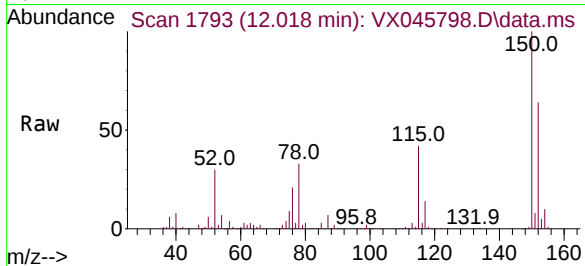




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.018 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX045798.D  
 Acq: 16 Apr 2025 11:24

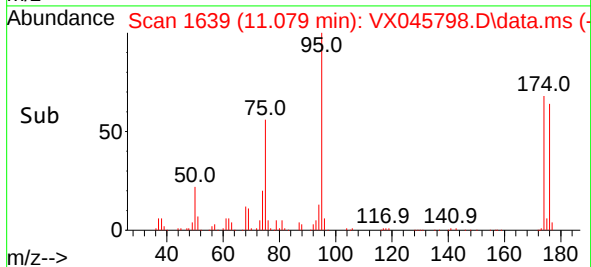
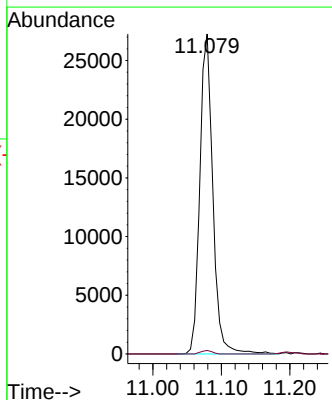
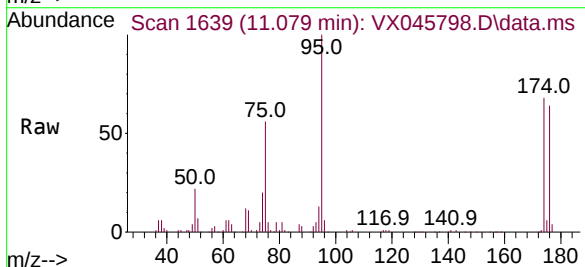
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0416MBL01

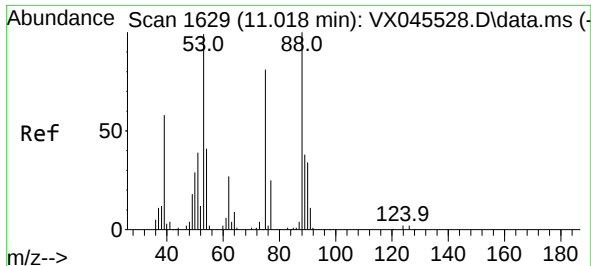
Tgt Ion:152 Resp: 52269  
 Ion Ratio Lower Upper  
 152 100  
 115 65.0 46.9 140.7  
 150 157.8 0.0 349.4



#76  
 1,2,3-Trichloropropane  
 Concen: 28.275 ug/l  
 RT: 11.079 min Scan# 1639  
 Delta R.T. -0.159 min  
 Lab File: VX045798.D  
 Acq: 16 Apr 2025 11:24

Tgt Ion: 75 Resp: 36050  
 Ion Ratio Lower Upper  
 75 100  
 77 1.0 20.0 59.9#

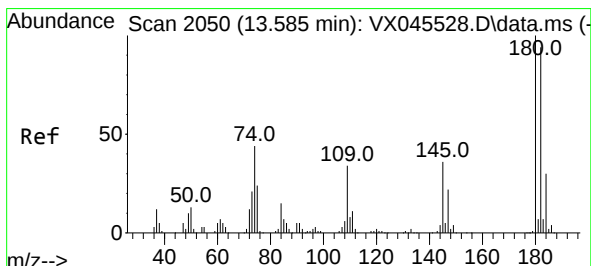
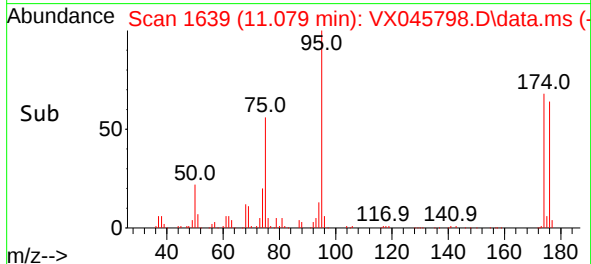
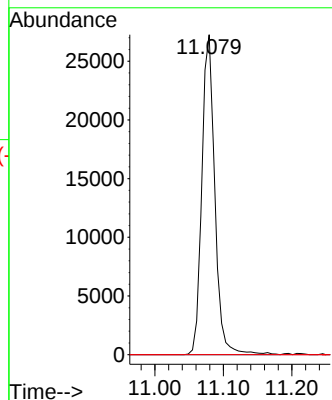
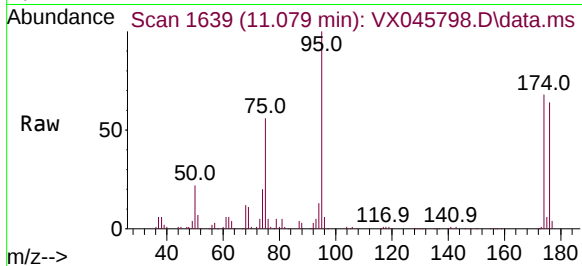




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 95.963 ug/l  
 RT: 11.079 min Scan# 1  
 Delta R.T. 0.061 min  
 Lab File: VX045798.D  
 Acq: 16 Apr 2025 11:24

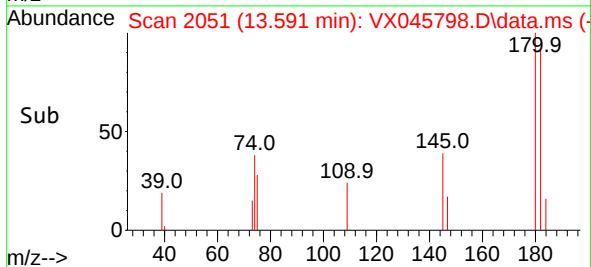
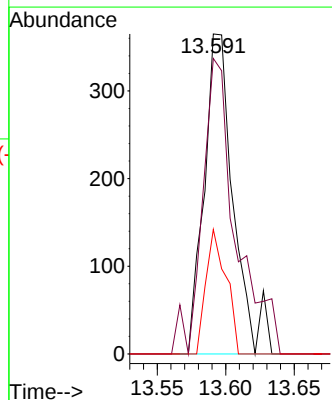
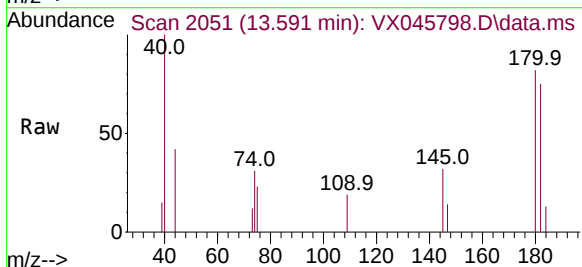
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0416MBL01

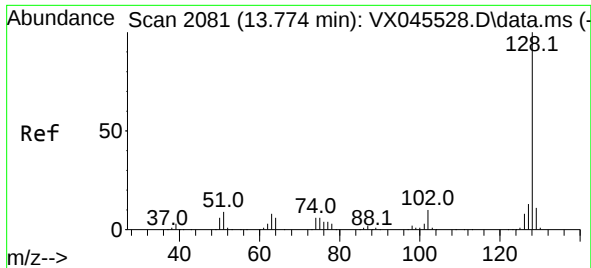
Tgt Ion: 75 Resp: 36050  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 101.8 152.6#  
 89 0.0 37.2 55.8#



#93  
 1,2,4-Trichlorobenzene  
 Concen: 0.557 ug/l  
 RT: 13.591 min Scan# 2051  
 Delta R.T. 0.006 min  
 Lab File: VX045798.D  
 Acq: 16 Apr 2025 11:24

Tgt Ion:180 Resp: 543  
 Ion Ratio Lower Upper  
 180 100  
 182 105.9 47.9 143.6  
 145 26.7 17.9 53.8

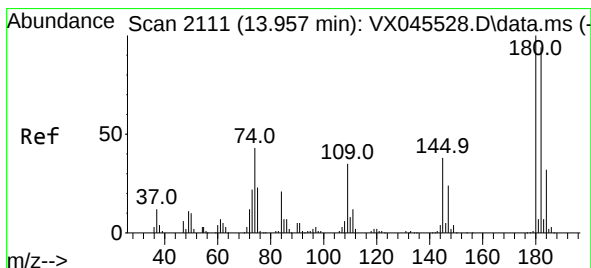
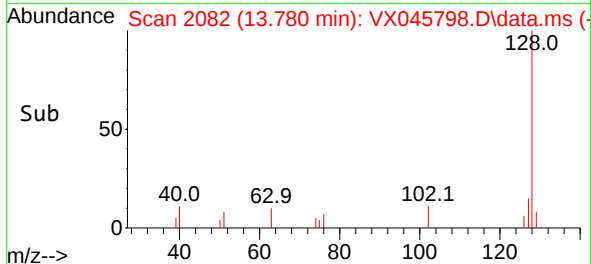
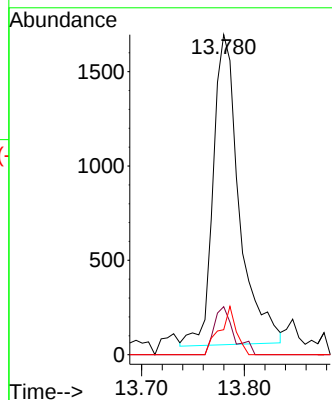
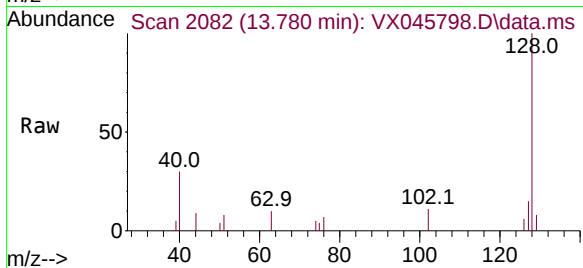




#95  
Naphthalene  
Concen: 0.799 ug/l  
RT: 13.780 min Scan# 2081  
Delta R.T. 0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0416MBL01

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:128 | Resp: | 2899        |
| Ion         | Ratio | Lower Upper |
| 128         | 100   |             |
| 127         | 11.7  | 10.3 15.5   |
| 129         | 9.8   | 8.6 12.8    |



#96  
1,2,3-Trichlorobenzene  
Concen: 0.535 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX045798.D  
Acq: 16 Apr 2025 11:24

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 546         |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 84.4  | 47.3 141.8  |
| 145         | 28.9  | 18.2 54.6   |

