

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
 Data File : VX047418.D  
 Acq On : 19 Aug 2025 17:18  
 Operator : JC/MD  
 Sample : Q2869-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB01-081325

Quant Time: Aug 20 01:30:04 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 18 04:18:28 2025  
 Response via : Initial Calibration

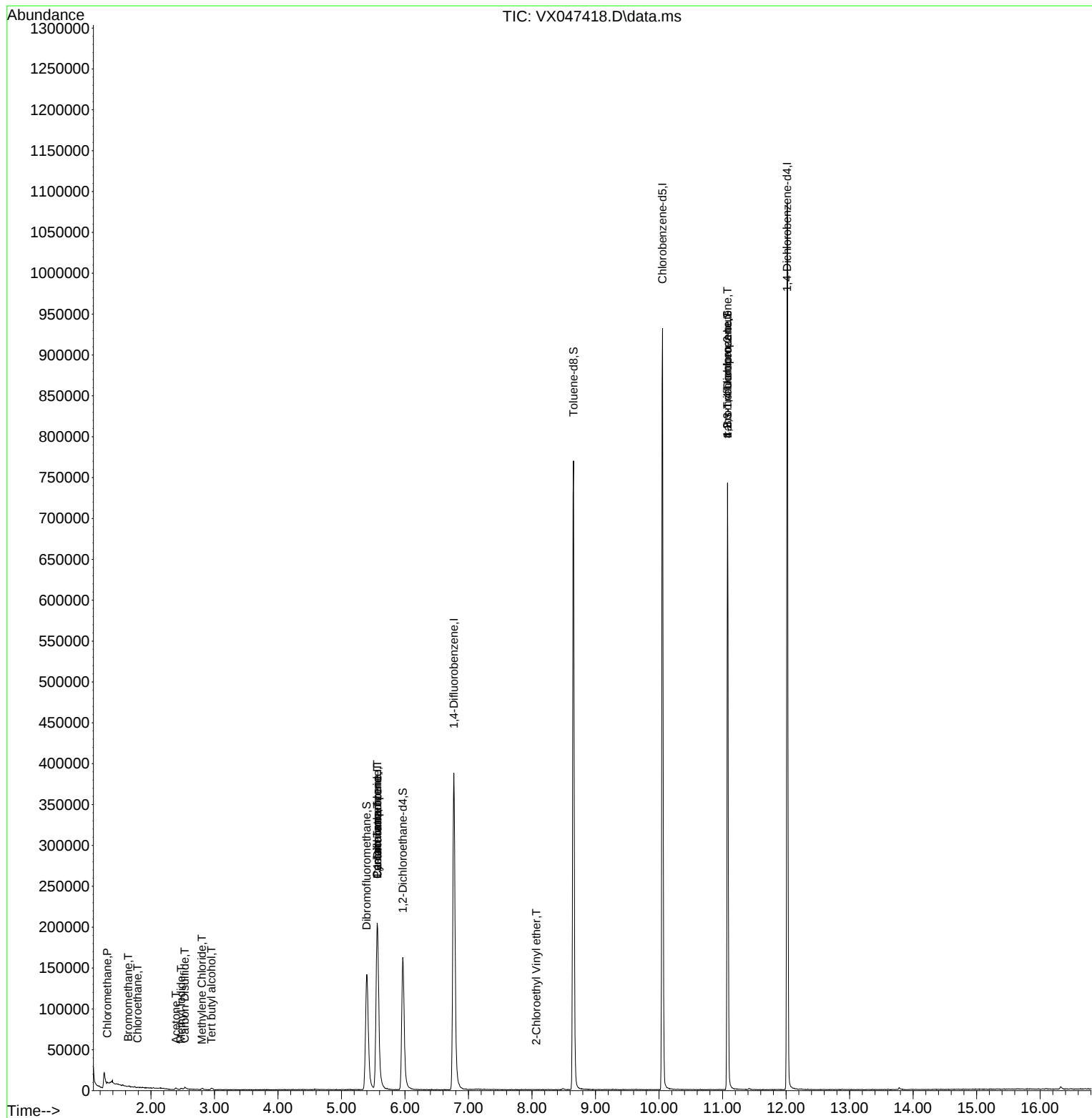
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) Pentafluorobenzene         | 5.562  | 168   | 204851   | 50.000   | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene       | 6.769  | 114   | 415100   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 420679   | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4    | 12.018 | 152   | 219893   | 50.000   | ug/l   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4     | 5.964  | 65    | 167900   | 58.564   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 117.120%# |
| 35) Dibromofluoromethane      | 5.397  | 113   | 134098   | 49.776   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 99.560%   |
| 50) Toluene-d8                | 8.653  | 98    | 464326   | 48.221   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 96.440%   |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 198402   | 55.835   | ug/l   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 111.660%  |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          |        | Qvalue    |
| 3) Chloromethane              | 1.313  | 50    | 1026     | 0.437    | ug/l # | 87        |
| 5) Bromomethane               | 1.642  | 94    | 465      | 0.390    | ug/l # | 53        |
| 6) Chloroethane               | 1.788  | 64    | 731      | 0.405    | ug/l # | 44        |
| 10) Methyl Iodide             | 2.477  | 142   | 2357     | 0.544    | ug/l # | 91        |
| 11) Tert butyl alcohol        | 2.953  | 59    | 783      | 3.139    | ug/l # | 72        |
| 16) Acetone                   | 2.392  | 43    | 2515     | 2.334    | ug/l # | 83        |
| 17) Carbon Disulfide          | 2.532  | 76    | 1745     | 0.224    | ug/l # | 93        |
| 20) Methylene Chloride        | 2.800  | 84    | 647      | 0.227    | ug/l # | 72        |
| 31) Cyclohexane               | 5.562  | 56    | 4661     | 1.010    | ug/l # | 2         |
| 36) 1,1-Dichloropropene       | 5.562  | 75    | 16678    | 3.922    | ug/l # | 51        |
| 38) Carbon Tetrachloride      | 5.562  | 117   | 21696    | 4.669    | ug/l # | 16        |
| 58) 2-Chloroethyl Vinyl ether | 8.068  | 63    | 19       | 8.364    | ug/l # | 46        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 104047   | 25.798   | ug/l # | 39        |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 104047   | 102.366  | ug/l # | 7         |
| -----                         |        |       |          |          |        |           |

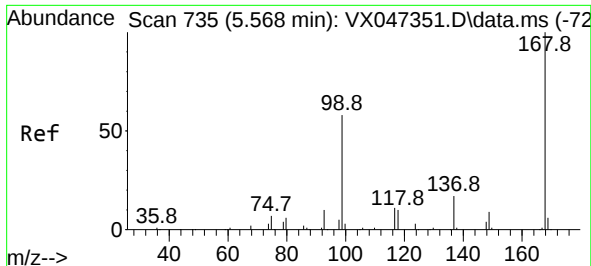
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX081925\  
Data File : VX047418.D  
Acq On : 19 Aug 2025 17:18  
Operator : JC/MD  
Sample : Q2869-11  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

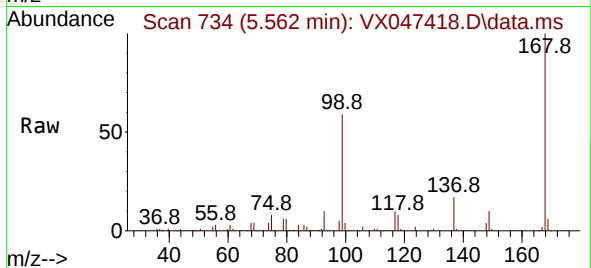
Quant Time: Aug 20 01:30:04 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X081525W.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 18 04:18:28 2025  
Response via : Initial Calibration



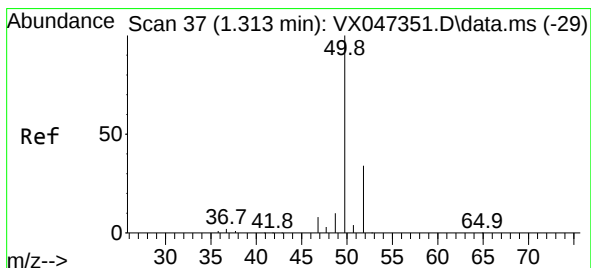
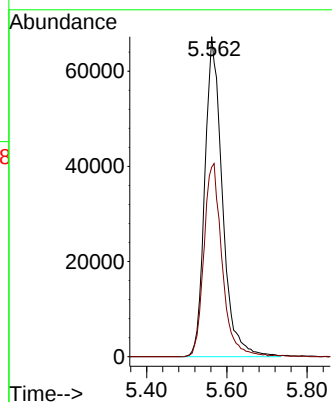
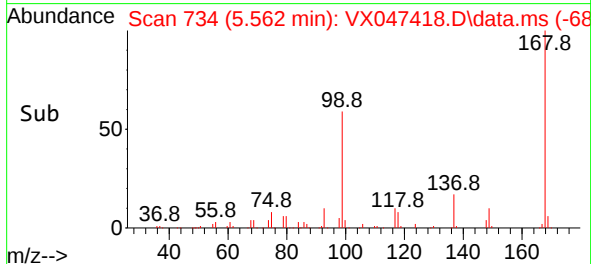


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

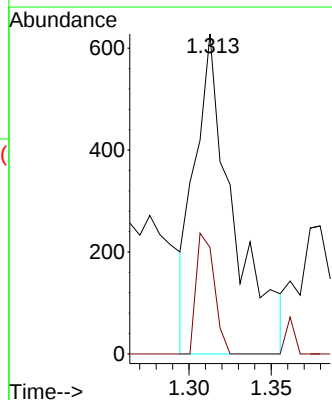
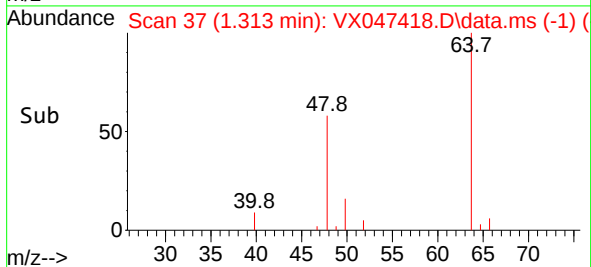
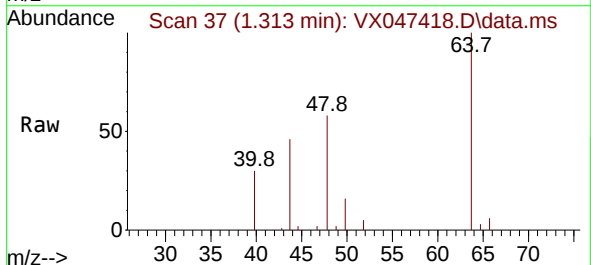


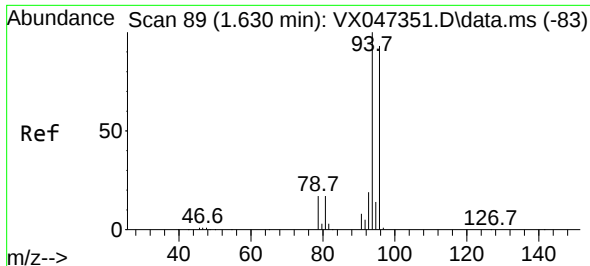
Tgt Ion:168 Resp: 204851  
Ion Ratio Lower Upper  
168 100  
99 59.3 47.9 71.9



#3  
Chloromethane  
Concen: 0.437 ug/l  
RT: 1.313 min Scan# 37  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 50 Resp: 1026  
Ion Ratio Lower Upper  
50 100  
52 41.0 27.0 40.4#

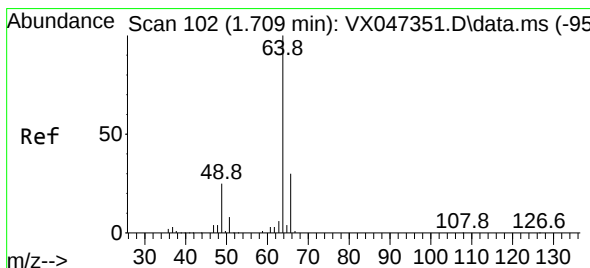
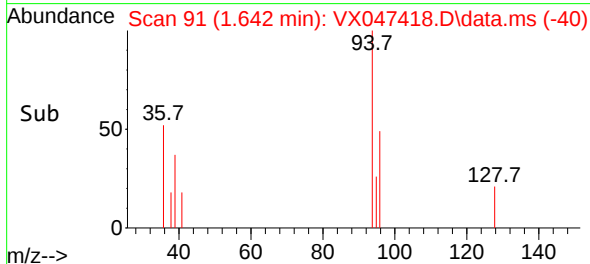
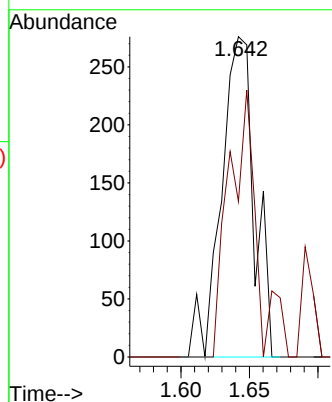
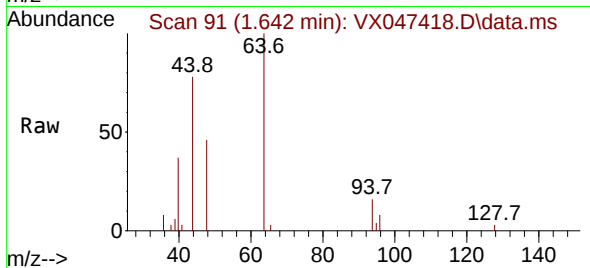




#5  
Bromomethane  
Concen: 0.390 ug/l  
RT: 1.642 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

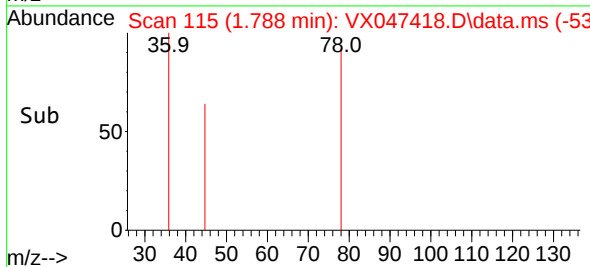
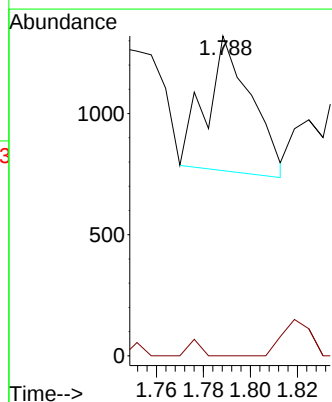
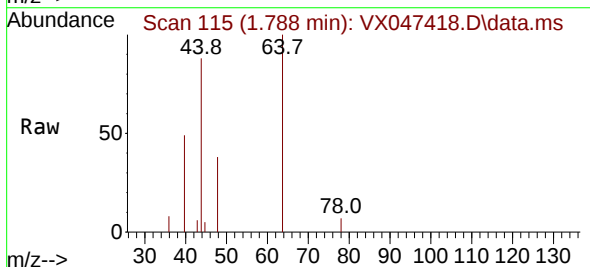
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

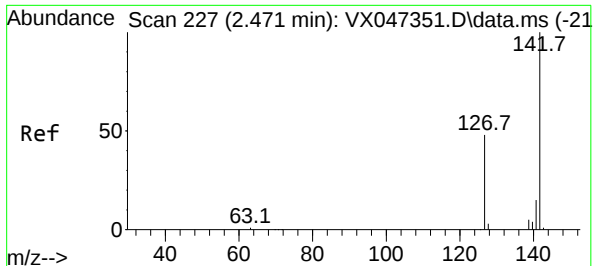
Tgt Ion: 94 Resp: 465  
Ion Ratio Lower Upper  
94 100  
96 48.6 74.7 112.1#



#6  
Chloroethane  
Concen: 0.405 ug/l  
RT: 1.788 min Scan# 115  
Delta R.T. 0.079 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

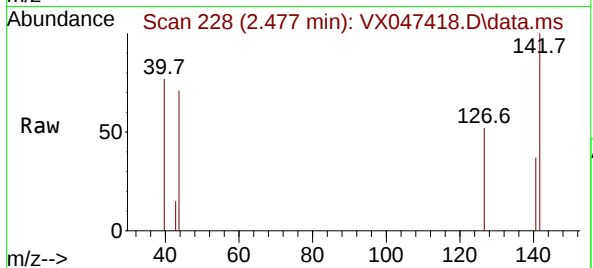
Tgt Ion: 64 Resp: 731  
Ion Ratio Lower Upper  
64 100  
66 0.0 24.4 36.6#



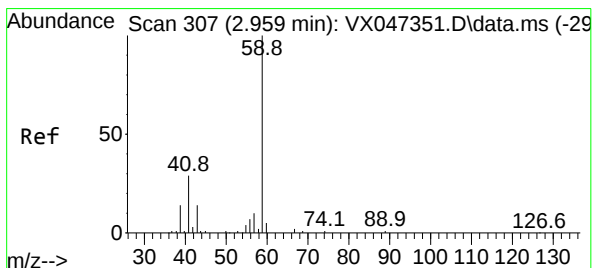
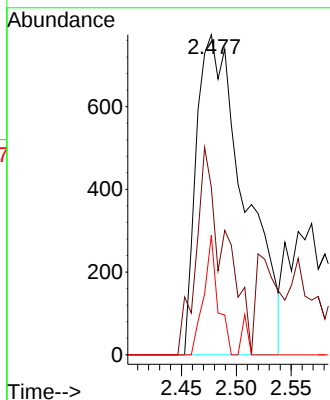
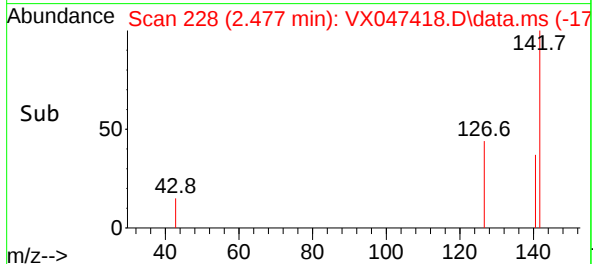


#10  
Methyl Iodide  
Concen: 0.544 ug/l  
RT: 2.477 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

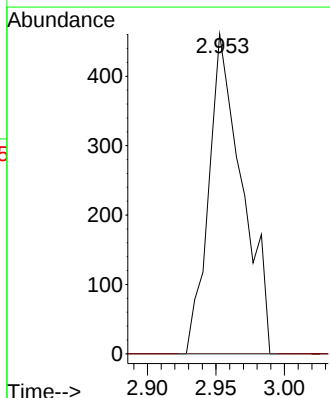
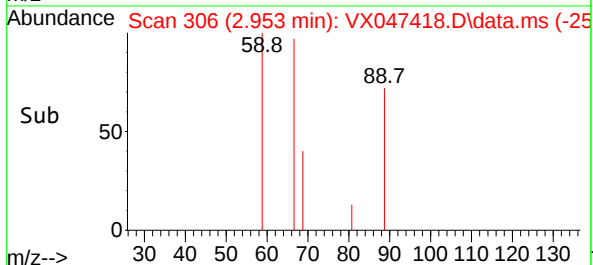
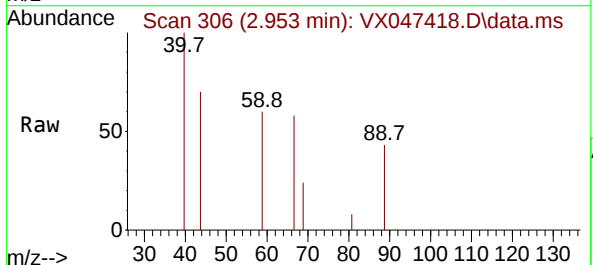


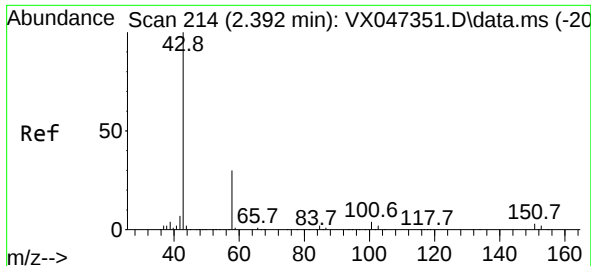
Tgt Ion:142 Resp: 2357  
Ion Ratio Lower Upper  
142 100  
127 38.9 36.1 54.1  
141 11.1 11.1 16.7#



#11  
Tert butyl alcohol  
Concen: 3.139 ug/l  
RT: 2.953 min Scan# 306  
Delta R.T. -0.006 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 59 Resp: 783  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#

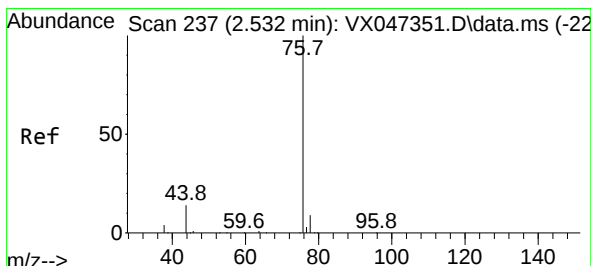
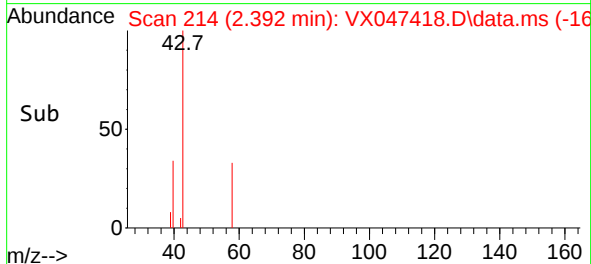
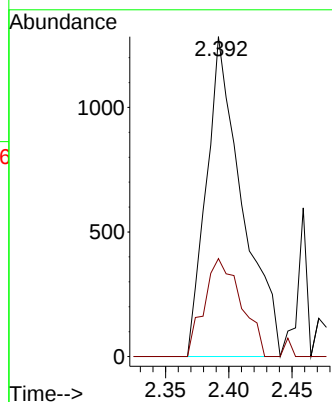
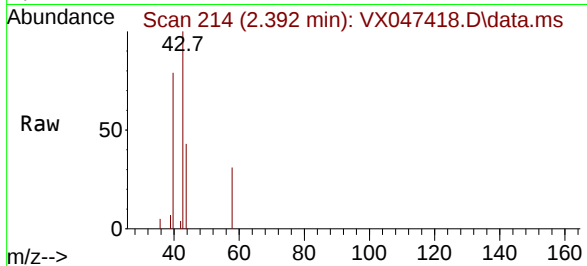




#16  
Acetone  
Concen: 2.334 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

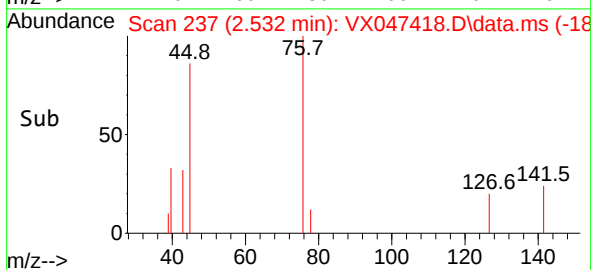
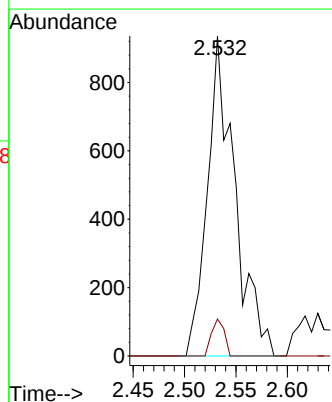
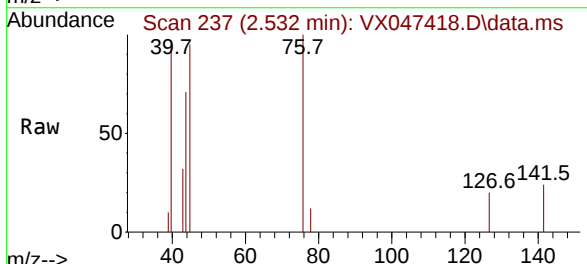
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

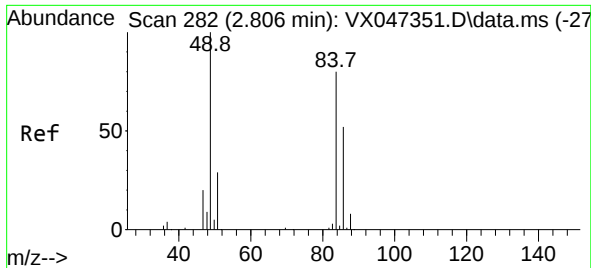
Tgt Ion: 43 Resp: 2515  
Ion Ratio Lower Upper  
43 100  
58 21.5 24.8 37.2#



#17  
Carbon Disulfide  
Concen: 0.224 ug/l  
RT: 2.532 min Scan# 237  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 76 Resp: 1745  
Ion Ratio Lower Upper  
76 100  
78 11.5 7.2 10.8#

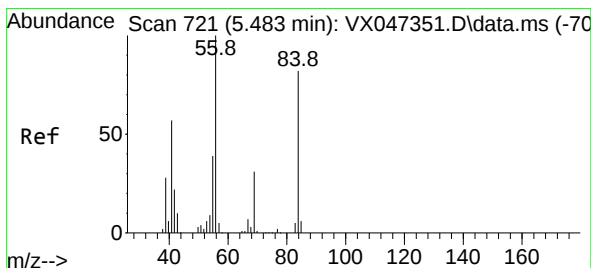
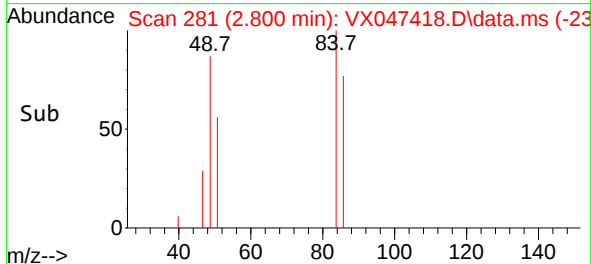
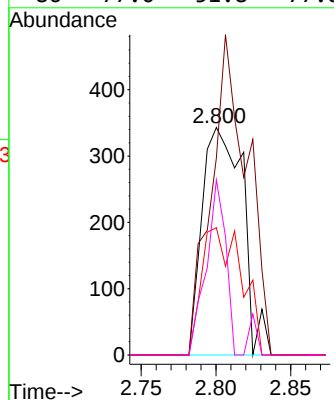
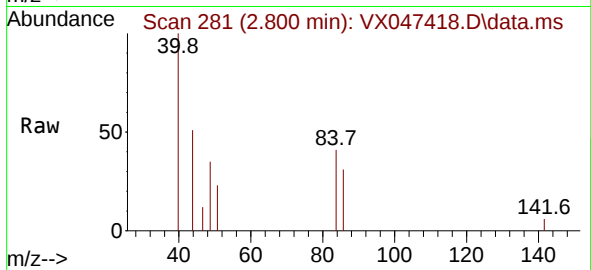




#20  
Methylene Chloride  
Concen: 0.227 ug/l  
RT: 2.800 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

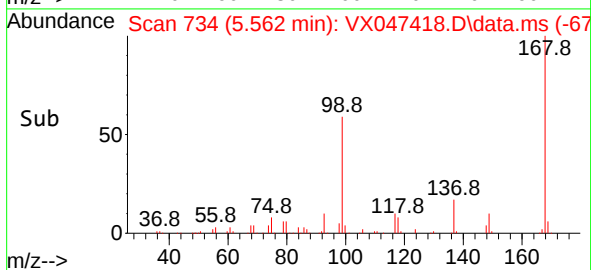
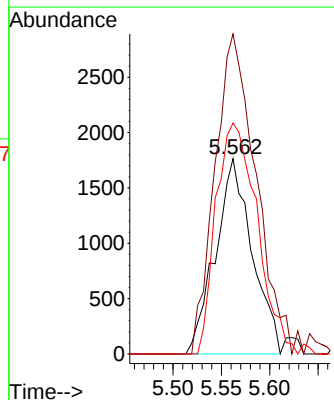
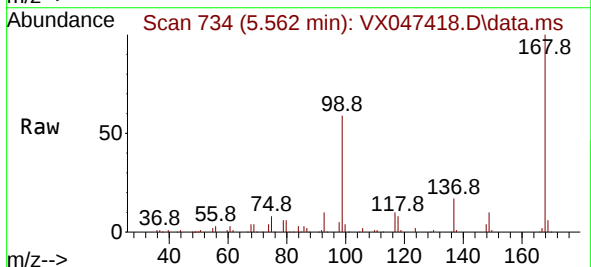
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

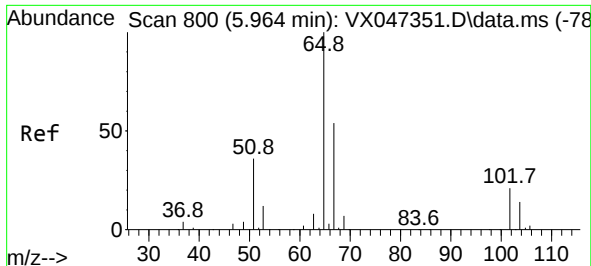
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 84    | Resp: | 647    |
| Ion      | Ratio | Lower | Upper  |
| 84       | 100   |       |        |
| 49       | 86.6  | 100.1 | 150.1# |
| 51       | 56.0  | 29.5  | 44.3#  |
| 86       | 77.0  | 51.8  | 77.8   |



#31  
Cyclohexane  
Concen: 1.010 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.079 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 4661  |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 167.6 | 24.3  | 36.5# |
| 84       | 118.3 | 65.3  | 97.9# |

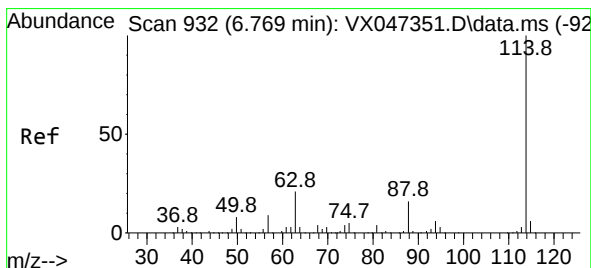
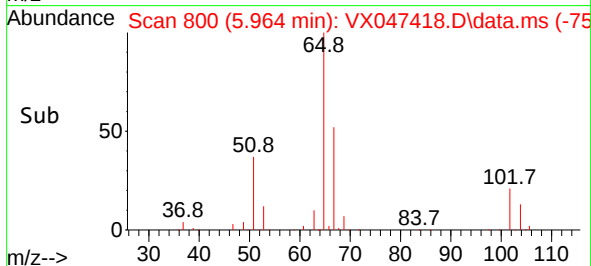
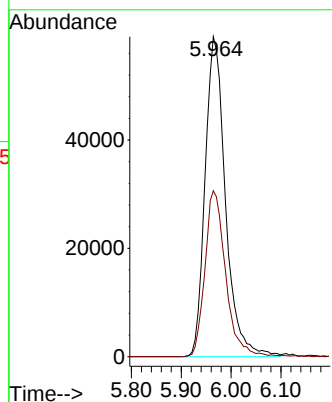
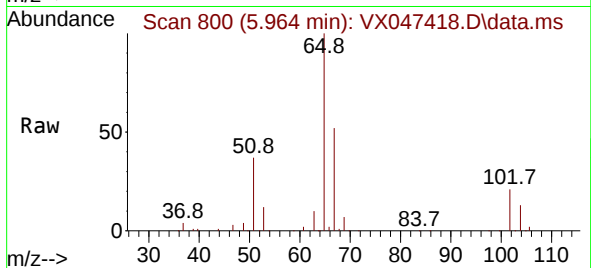




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.564 ug/l  
 RT: 5.964 min Scan# 800  
 Delta R.T. 0.000 min  
 Lab File: VX047418.D  
 Acq: 19 Aug 2025 17:18

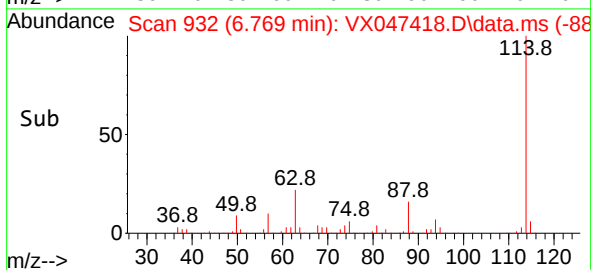
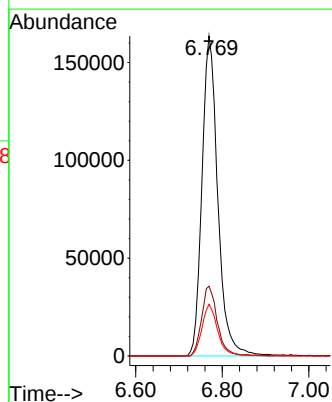
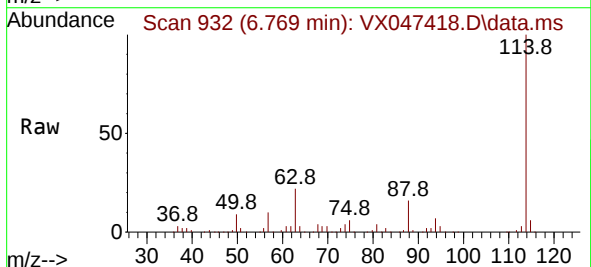
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB01-081325

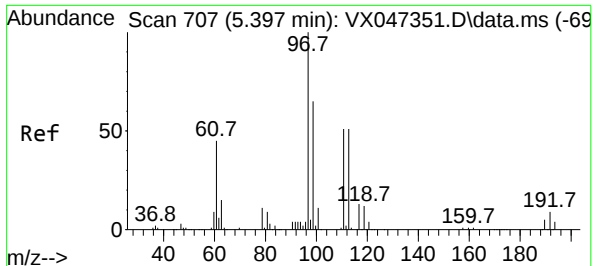
Tgt Ion: 65 Resp: 167900  
 Ion Ratio Lower Upper  
 65 100  
 67 52.9 0.0 106.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.769 min Scan# 932  
 Delta R.T. 0.000 min  
 Lab File: VX047418.D  
 Acq: 19 Aug 2025 17:18

Tgt Ion: 114 Resp: 415100  
 Ion Ratio Lower Upper  
 114 100  
 63 21.8 0.0 42.4  
 88 16.2 0.0 33.0

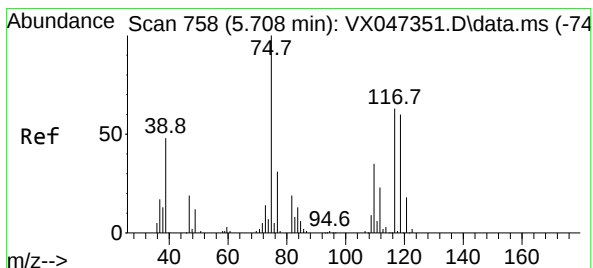
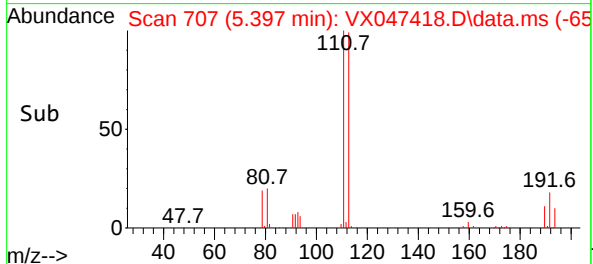
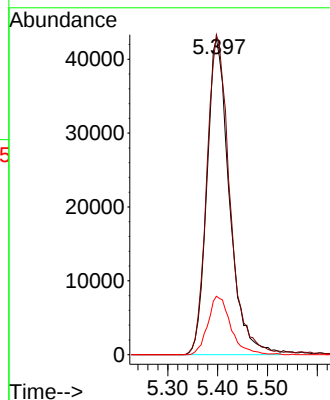
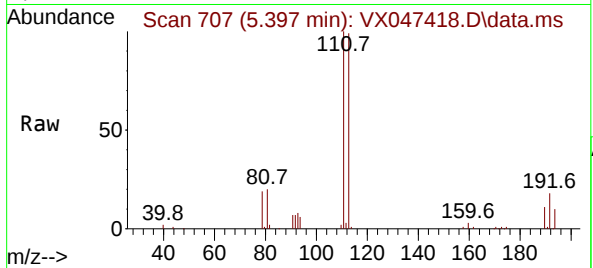




#35  
Dibromofluoromethane  
Concen: 49.776 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

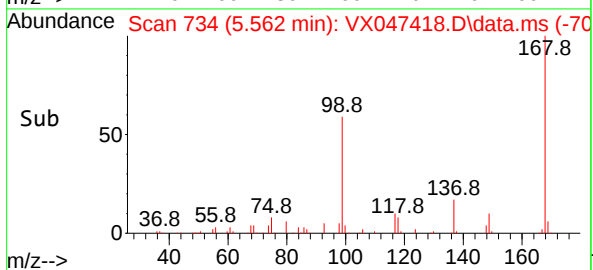
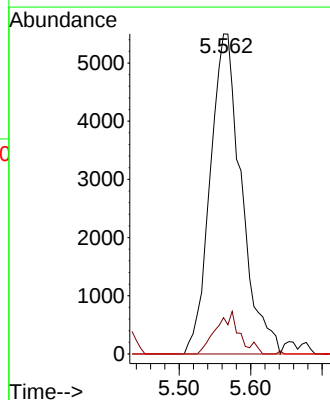
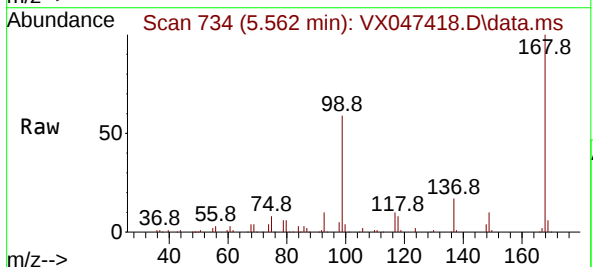
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

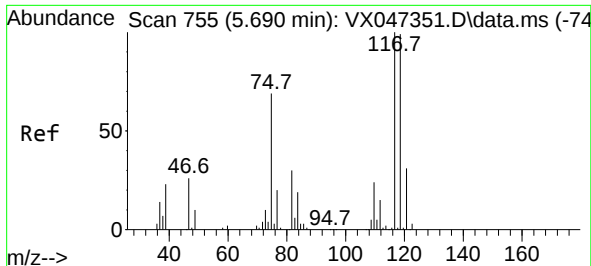
Tgt Ion:113 Resp: 134098  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.4 122.2  
192 18.8 14.1 21.1



#36  
1,1-Dichloropropene  
Concen: 3.922 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.146 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

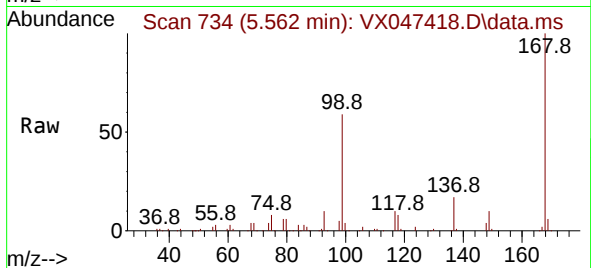
Tgt Ion: 75 Resp: 16678  
Ion Ratio Lower Upper  
75 100  
110 10.0 17.4 52.2#  
77 0.0 24.4 36.6#



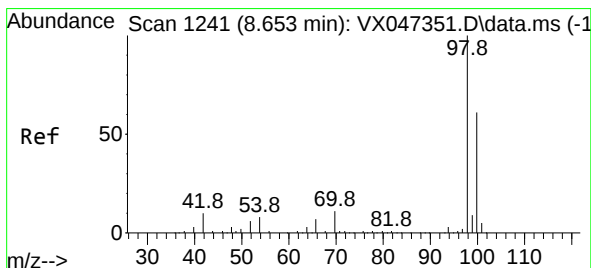
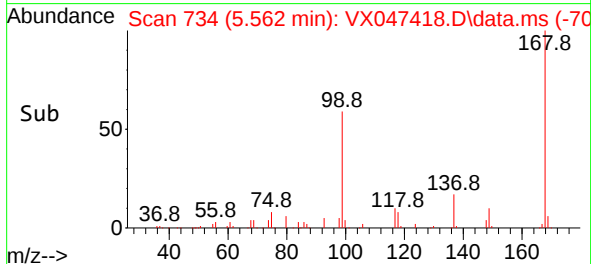
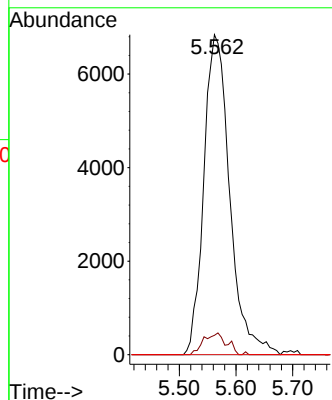


#38  
Carbon Tetrachloride  
Concen: 4.669 ug/l  
RT: 5.562 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

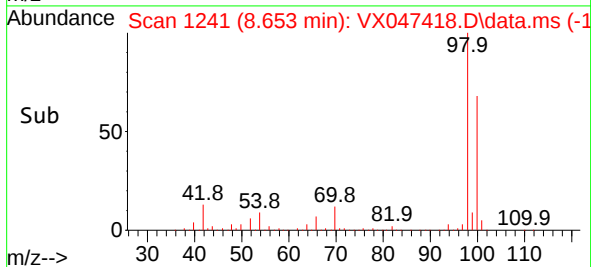
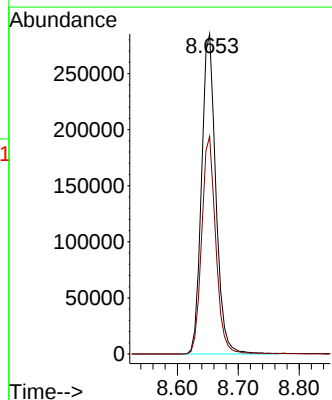
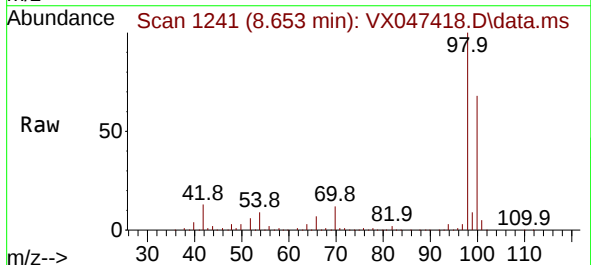


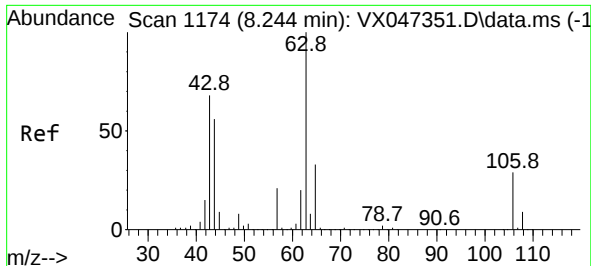
Tgt Ion:117 Resp: 21696  
Ion Ratio Lower Upper  
117 100  
119 6.1 78.5 117.7#  
121 0.0 24.7 37.1#



#50  
Toluene-d8  
Concen: 48.221 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 98 Resp: 464326  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.9 80.9

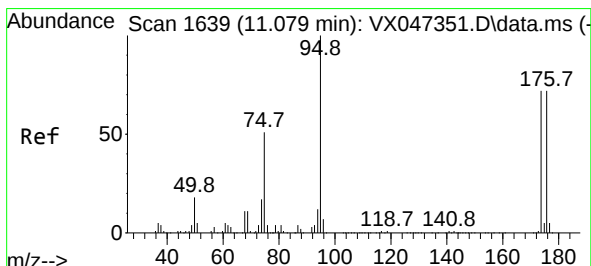
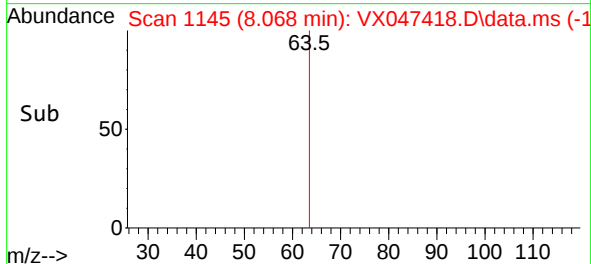
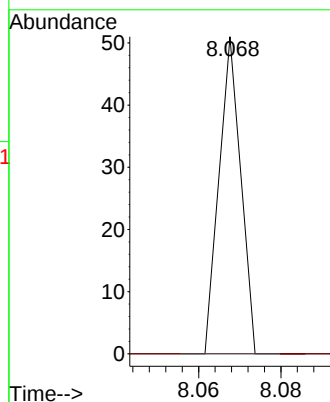
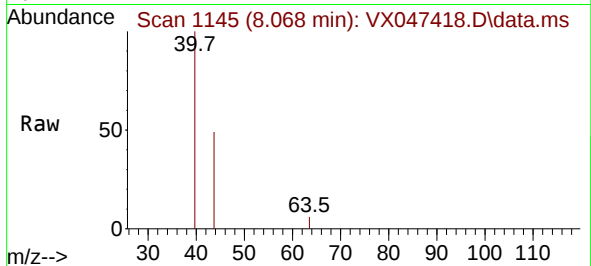




#58  
2-Chloroethyl Vinyl ether  
Concen: 8.364 ug/l  
RT: 8.068 min Scan# 1145  
Delta R.T. -0.177 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

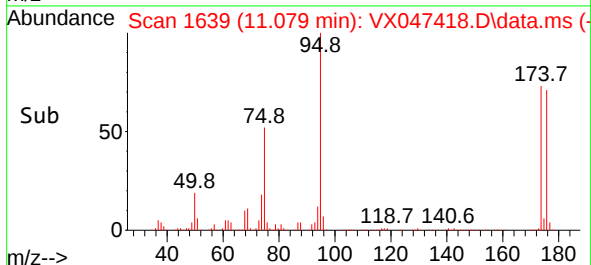
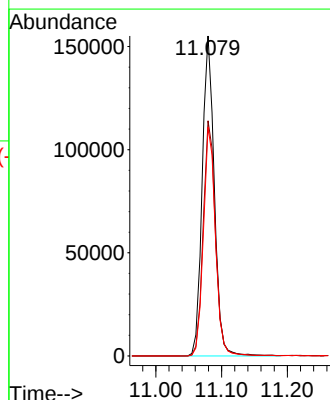
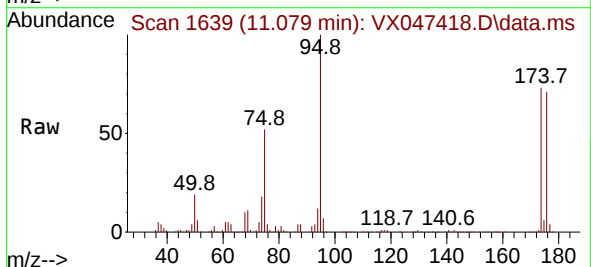
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

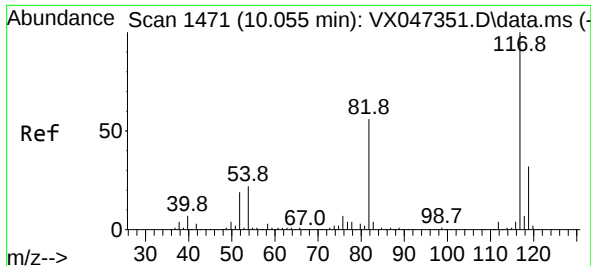
Tgt Ion: 63 Resp: 19  
Ion Ratio Lower Upper  
63 100  
106 0.0 22.8 34.2#



#62  
4-Bromofluorobenzene  
Concen: 55.835 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 95 Resp: 198402  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 148.0  
176 71.3 0.0 145.4

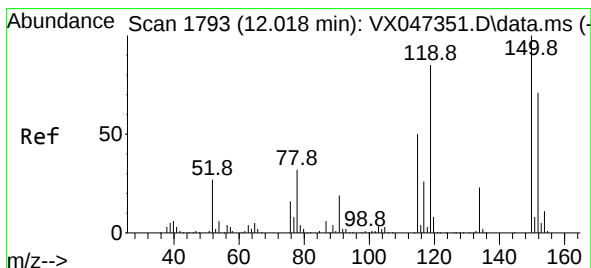
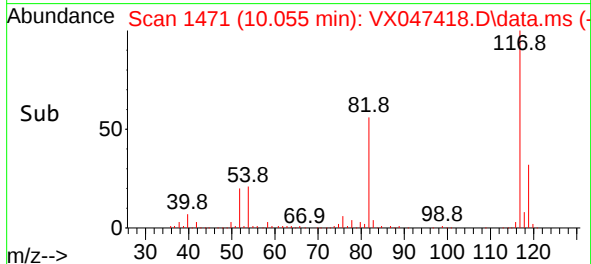
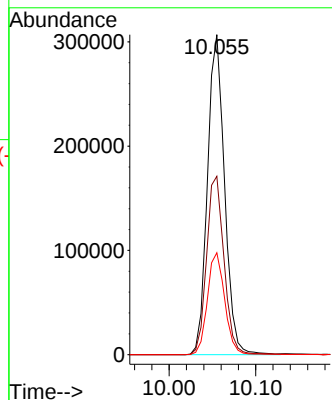
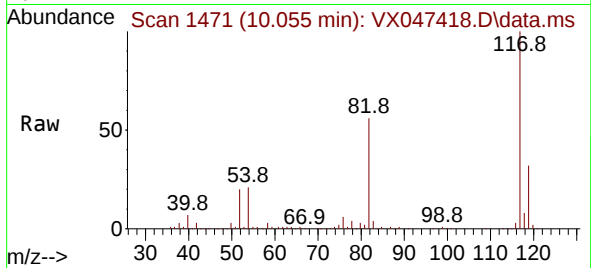




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

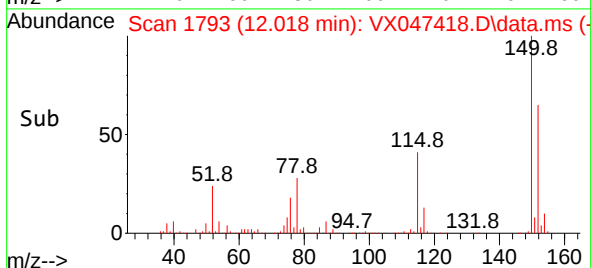
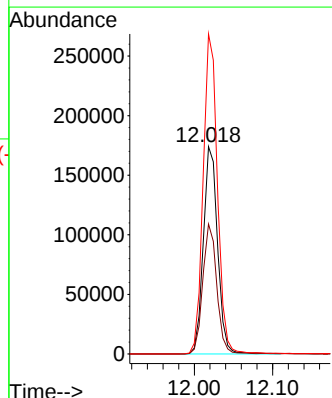
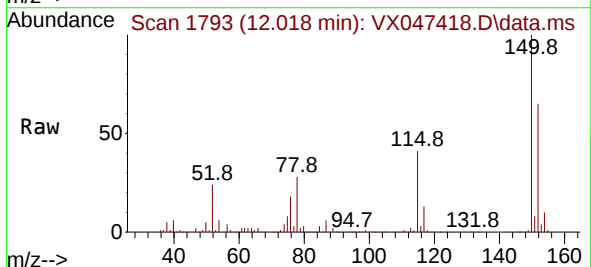
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

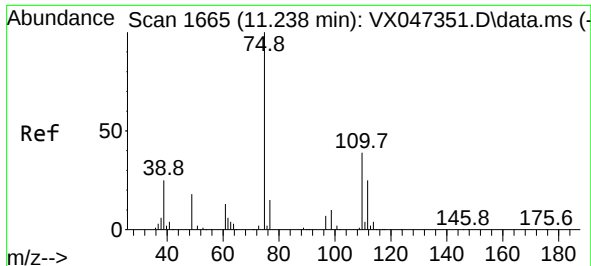
Tgt Ion:117 Resp: 420679  
Ion Ratio Lower Upper  
117 100  
82 55.7 45.0 67.4  
119 31.8 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion:152 Resp: 219893  
Ion Ratio Lower Upper  
152 100  
115 61.5 44.6 133.8  
150 155.1 0.0 349.8

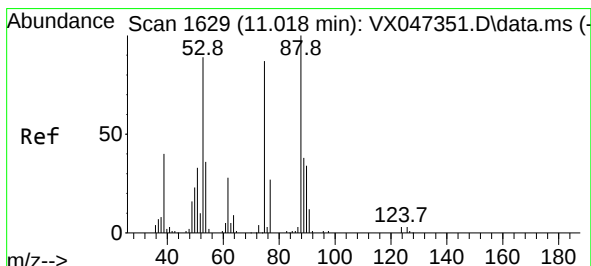
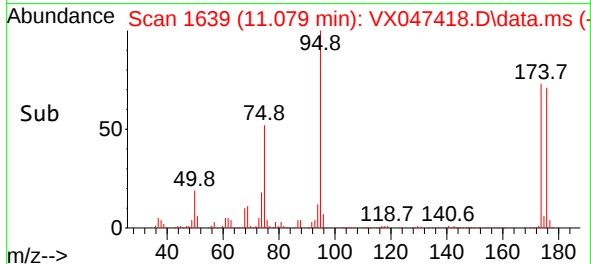
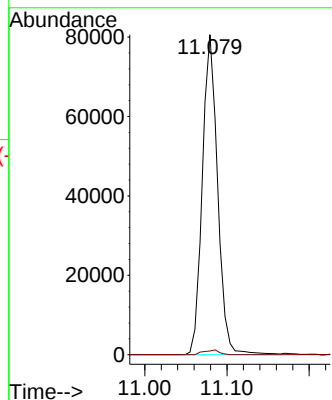
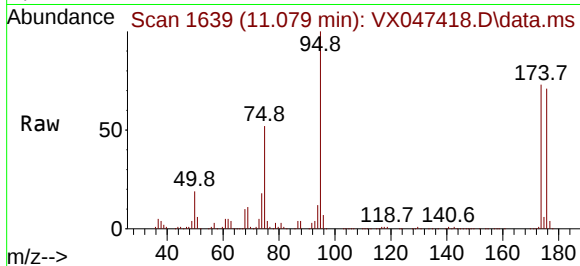




#76  
1,2,3-Trichloropropane  
Concen: 25.798 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.158 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB01-081325

Tgt Ion: 75 Resp: 104047  
Ion Ratio Lower Upper  
75 100  
77 1.5 19.4 58.2#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 102.366 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX047418.D  
Acq: 19 Aug 2025 17:18

Tgt Ion: 75 Resp: 104047  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.2 127.8#  
89 0.0 36.7 55.1#

