

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121025\  
 Data File : VX048810.D  
 Acq On : 10 Dec 2025 14:51  
 Operator : JC/MD  
 Sample : Q3787-13RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OW-03B-51.5-120425-FDRE

Quant Time: Dec 11 00:23:50 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 05 03:27:34 2025  
 Response via : Initial Calibration

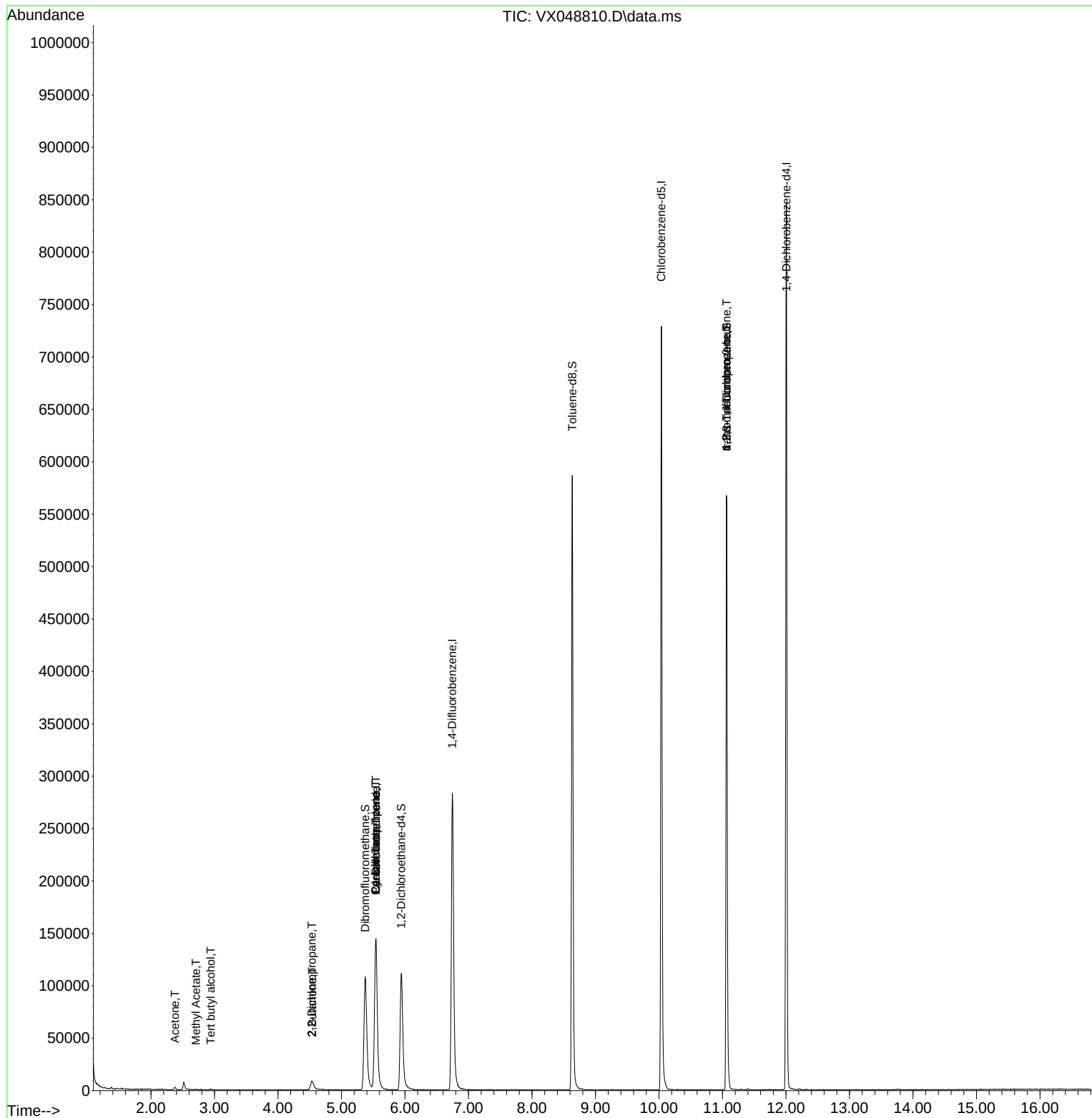
| Compound                      | R.T.           | QIon | Response             | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|-----------|--------|----------|
| -----                         |                |      |                      |           |        |          |
| Internal Standards            |                |      |                      |           |        |          |
| 1) Pentafluorobenzene         | 5.544          | 168  | 152091               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745          | 114  | 320261               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037         | 117  | 354570               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006         | 152  | 184719               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                      |           |        |          |
| System Monitoring Compounds   |                |      |                      |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940          | 65   | 125850               | 61.651    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 123.300%# |           |        |          |
| 35) Dibromofluoromethane      | 5.373          | 113  | 107682               | 48.833    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 97.660%   |           |        |          |
| 50) Toluene-d8                | 8.635          | 98   | 375438               | 48.571    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 97.140%   |           |        |          |
| 62) 4-Bromofluorobenzene      | 11.061         | 95   | 166905               | 62.619    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 125.240%# |           |        |          |
|                               |                |      |                      |           |        |          |
| Target Compounds              |                |      |                      |           |        |          |
|                               |                |      |                      |           | Qvalue |          |
| 11) Tert butyl alcohol        | 2.941          | 59   | 101                  | 0.306     | ug/l # | 73       |
| 16) Acetone                   | 2.380          | 43   | 3269                 | 4.183     | ug/l   | 98       |
| 18) Methyl Acetate            | 2.709          | 43   | 951                  | 0.433     | ug/l # | 57       |
| 25) 2-Butanone                | 4.538          | 43   | 473                  | 0.410     | ug/l # | 46       |
| 26) 2,2-Dichloropropane       | 4.532          | 77   | 845                  | 0.309     | ug/l # | 52       |
| 31) Cyclohexane               | 5.538          | 56   | 2813                 | 1.020     | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.538          | 75   | 11516                | 3.813     | ug/l # | 49       |
| 38) Carbon Tetrachloride      | 5.544          | 117  | 15550                | 4.545     | ug/l # | 13       |
| 76) 1,2,3-Trichloropropane    | 11.061         | 75   | 84304                | 24.504    | ug/l # | 30       |
| 81) trans-1,4-Dichloro-2-b... | 11.061         | 75   | 84304                | 58.206    | ug/l # | 3        |
| 95) Naphthalene               | 13.762         | 128  | 737                  | Below Cal | #      | 82       |
| -----                         |                |      |                      |           |        |          |

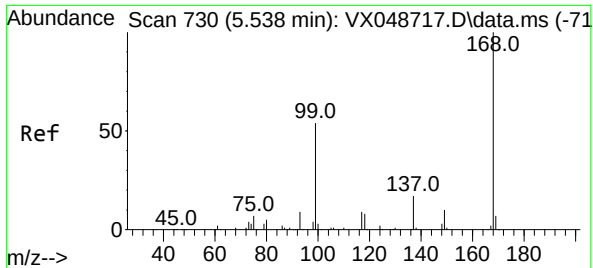
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121025\  
Data File : VX048810.D  
Acq On : 10 Dec 2025 14:51  
Operator : JC/MD  
Sample : Q3787-13RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-03B-51.5-120425-FDRE

Quant Time: Dec 11 00:23:50 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120425W.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 05 03:27:34 2025  
Response via : Initial Calibration

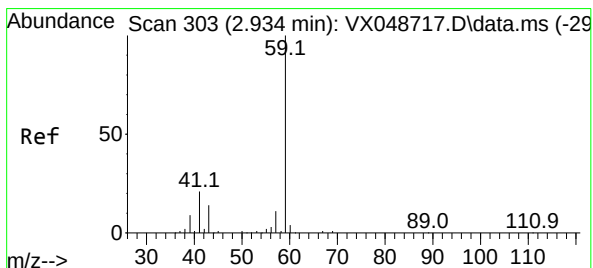
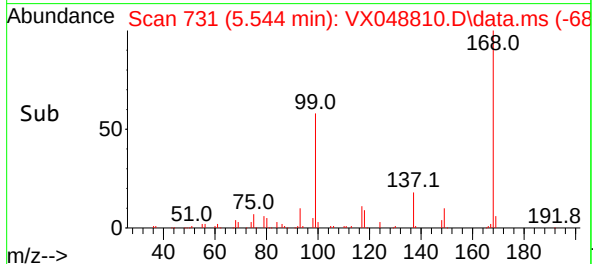
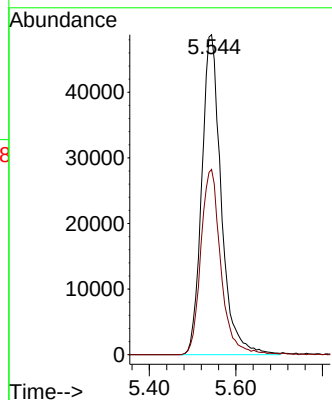
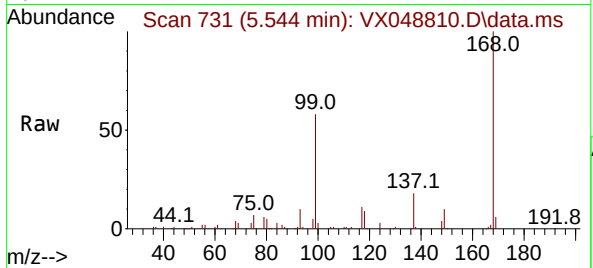




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

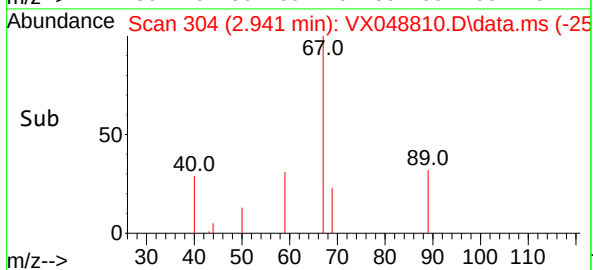
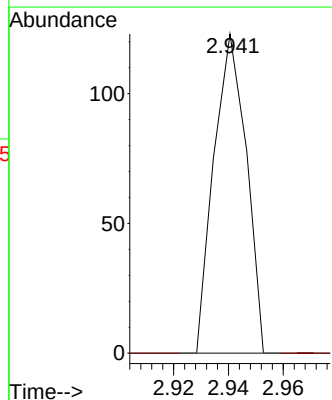
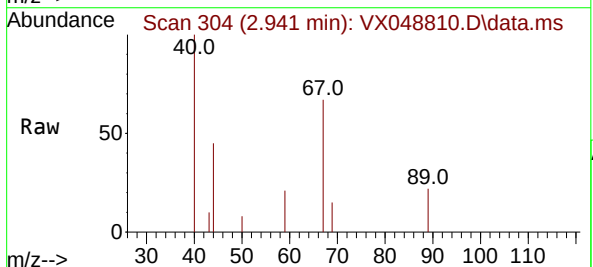
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-03B-51.5-120425-FDRE

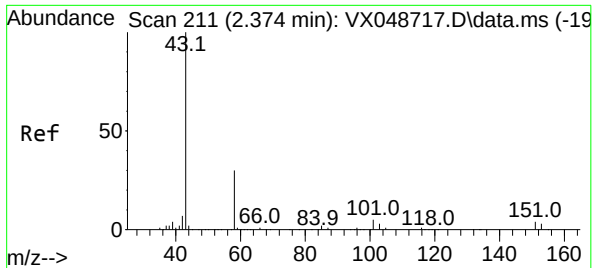
Tgt Ion:168 Resp: 152091  
Ion Ratio Lower Upper  
168 100  
99 57.9 44.2 66.4



#11  
Tert butyl alcohol  
Concen: 0.306 ug/l  
RT: 2.941 min Scan# 304  
Delta R.T. 0.006 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

Tgt Ion: 59 Resp: 101  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.1 12.1#

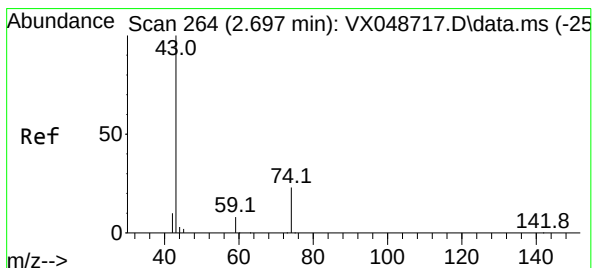
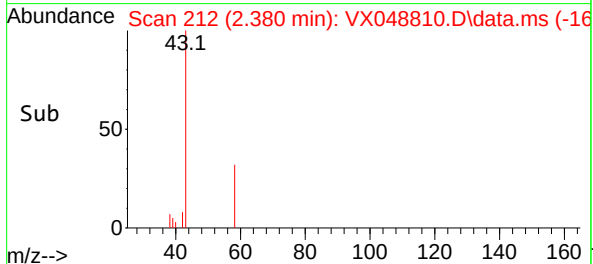
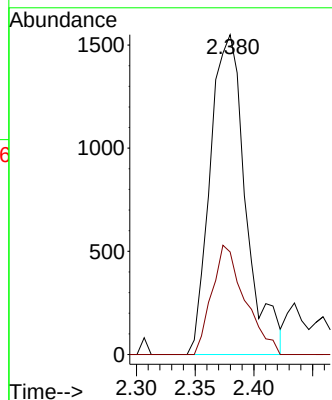
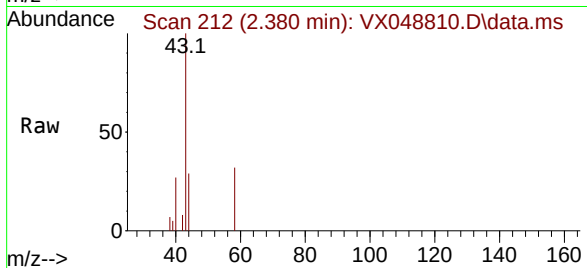




#16  
Acetone  
Concen: 4.183 ug/l  
RT: 2.380 min Scan# 211  
Delta R.T. 0.006 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

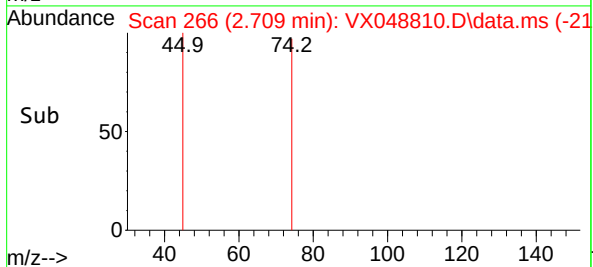
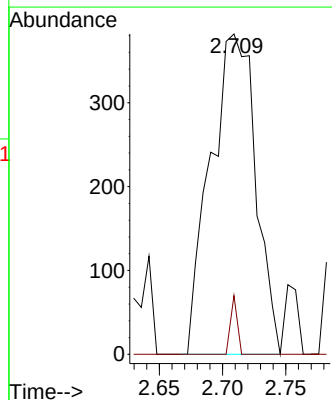
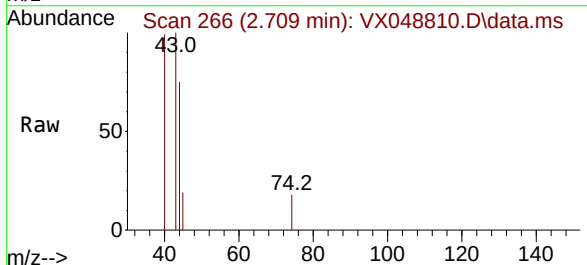
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-03B-51.5-120425-FDRE

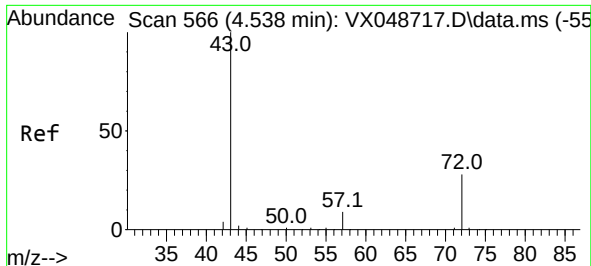
Tgt Ion: 43 Resp: 3269  
Ion Ratio Lower Upper  
43 100  
58 32.1 25.0 37.4



#18  
Methyl Acetate  
Concen: 0.433 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.012 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

Tgt Ion: 43 Resp: 951  
Ion Ratio Lower Upper  
43 100  
74 2.7 19.2 28.8#





#25

2-Butanone

Concen: 0.410 ug/l

RT: 4.538 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX048810.D

Acq: 10 Dec 2025 14:51

Instrument :

MSVOA\_X

ClientSampleId :

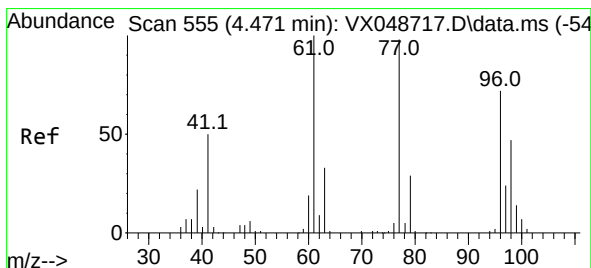
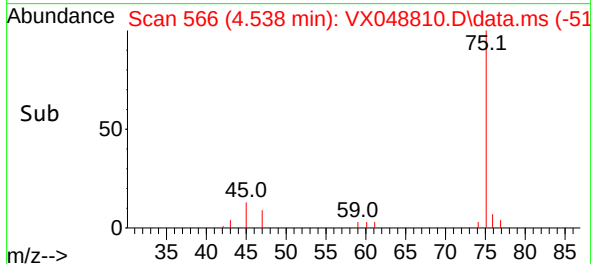
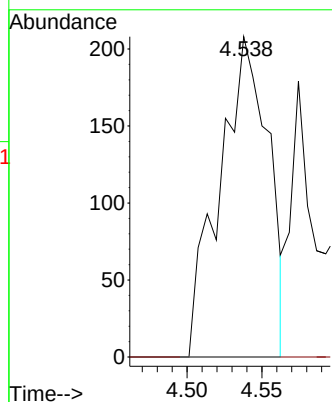
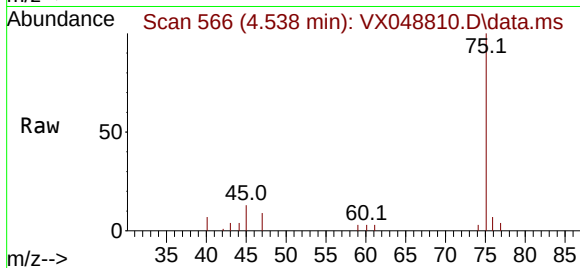
OW-03B-51.5-120425-FDRE

Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 0.309 ug/l

RT: 4.532 min Scan# 565

Delta R.T. 0.061 min

Lab File: VX048810.D

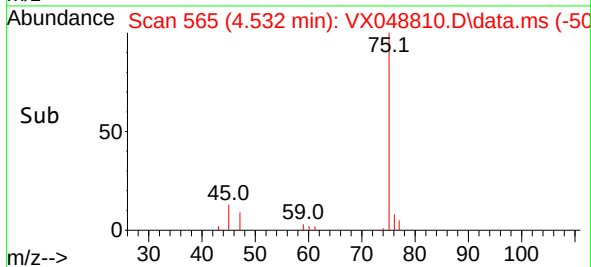
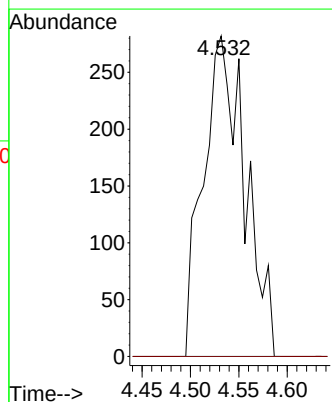
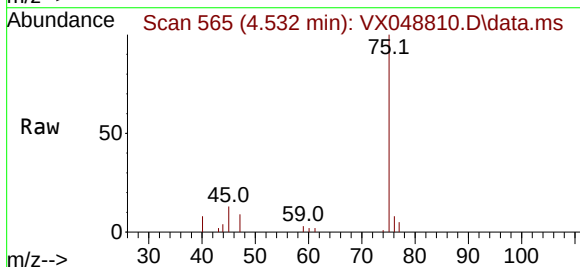
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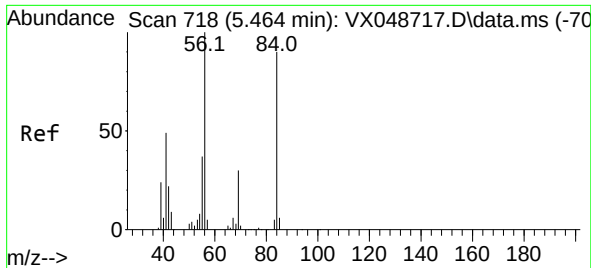
Tgt Ion: 77 Resp: 845

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#

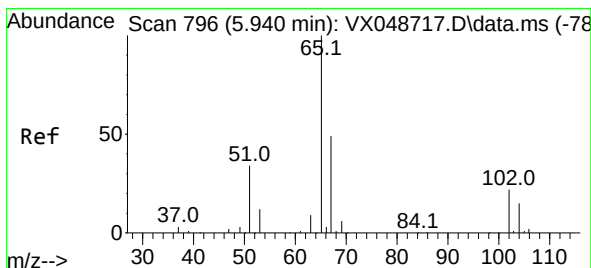
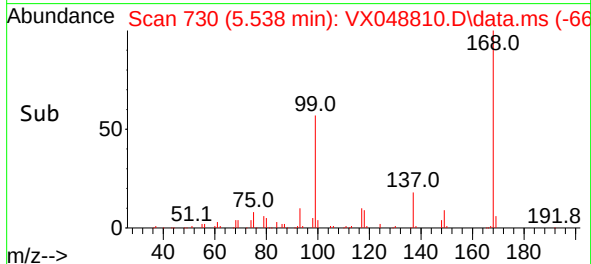
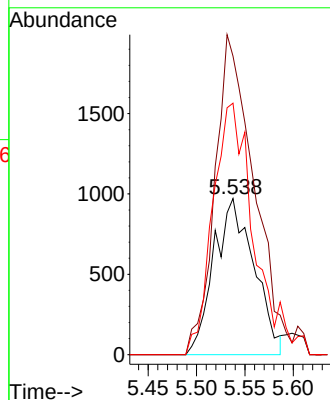
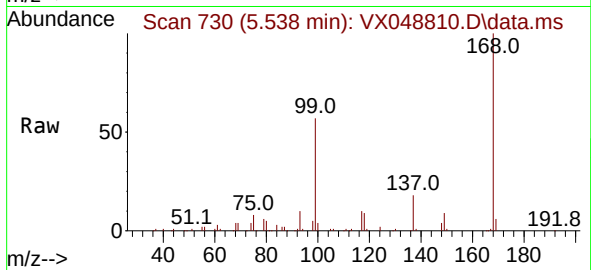




#31  
Cyclohexane  
Concen: 1.020 ug/l  
RT: 5.538 min Scan# 718  
Delta R.T. 0.073 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

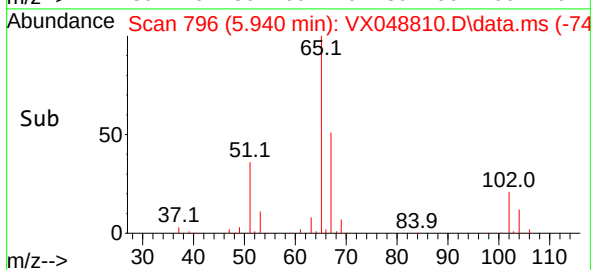
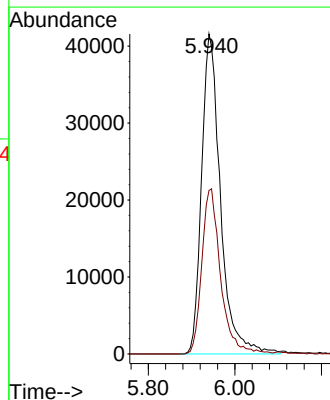
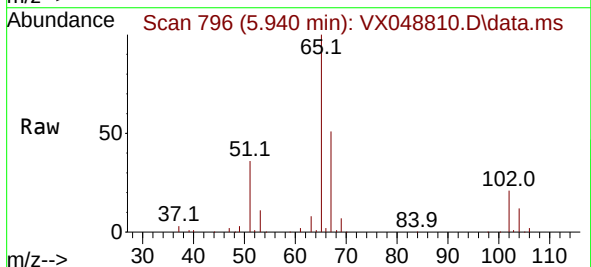
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-03B-51.5-120425-FDRE

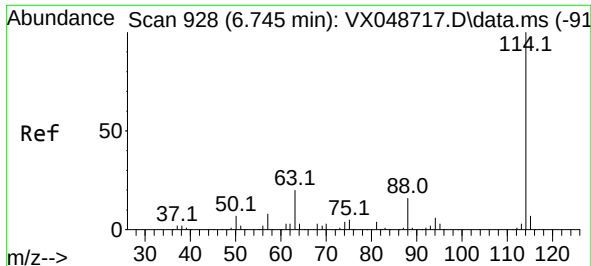
Tgt Ion: 56 Resp: 2813  
Ion Ratio Lower Upper  
56 100  
69 191.2 24.2 36.2#  
84 161.0 72.1 108.1#



#33  
1,2-Dichloroethane-d4  
Concen: 61.651 ug/l  
RT: 5.940 min Scan# 796  
Delta R.T. 0.000 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

Tgt Ion: 65 Resp: 125850  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 107.4

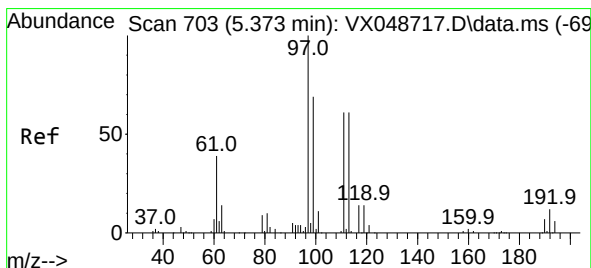
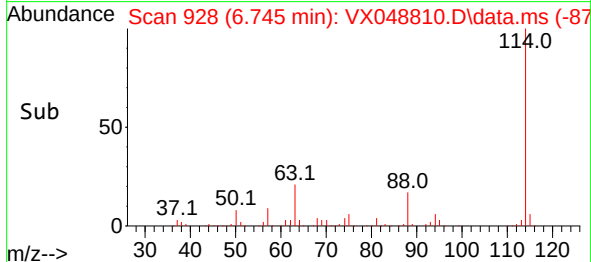
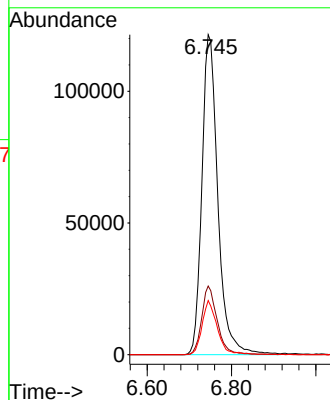
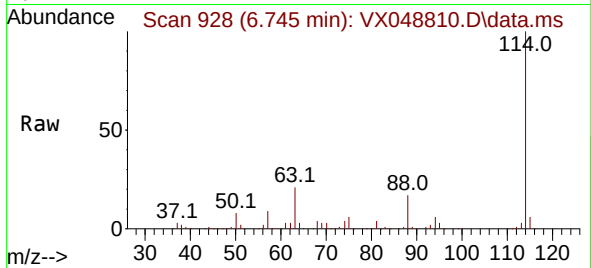




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.745 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

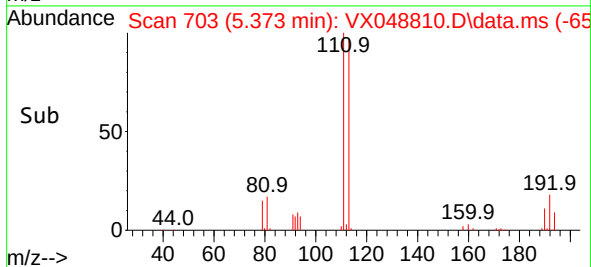
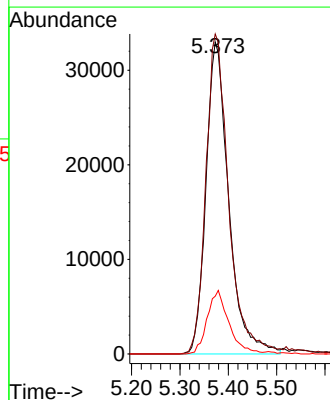
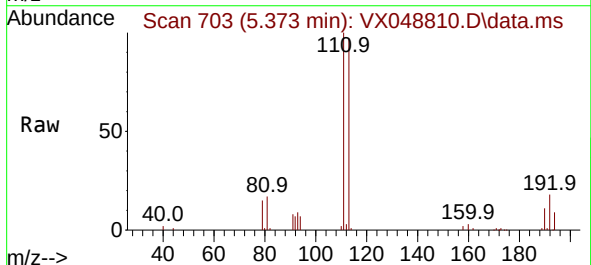
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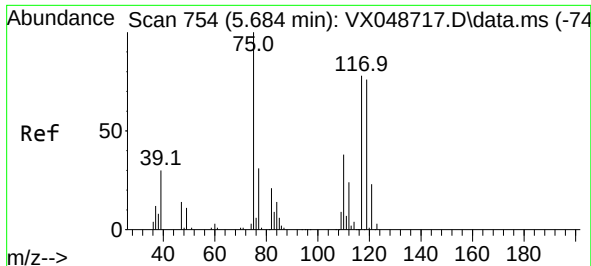
Tgt Ion:114 Resp: 320261  
Ion Ratio Lower Upper  
114 100  
63 21.5 0.0 39.0  
88 16.9 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 48.833 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

Tgt Ion:113 Resp: 107682  
Ion Ratio Lower Upper  
113 100  
111 102.7 79.5 119.3  
192 19.4 16.1 24.1

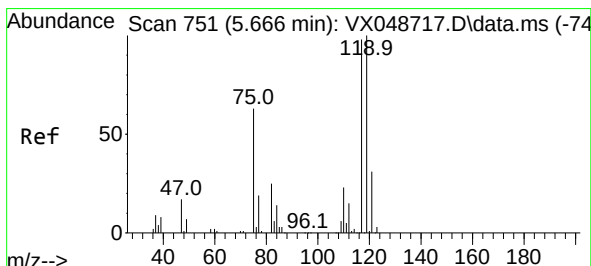
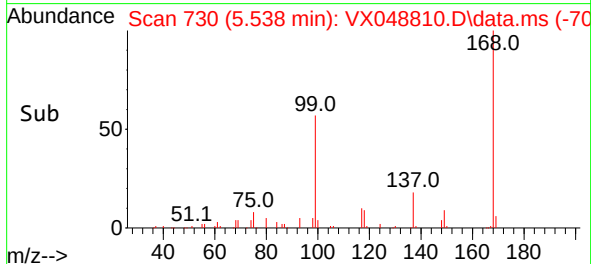
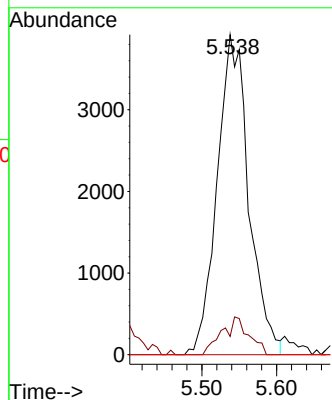
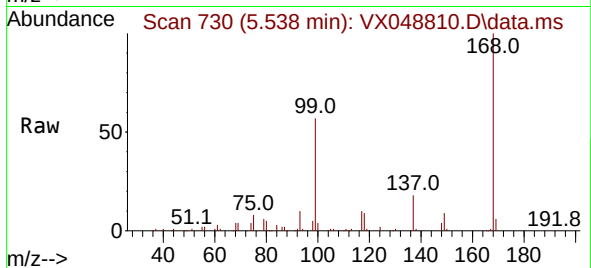




#36  
1,1-Dichloropropene  
Concen: 3.813 ug/l  
RT: 5.538 min Scan# 711  
Delta R.T. -0.146 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

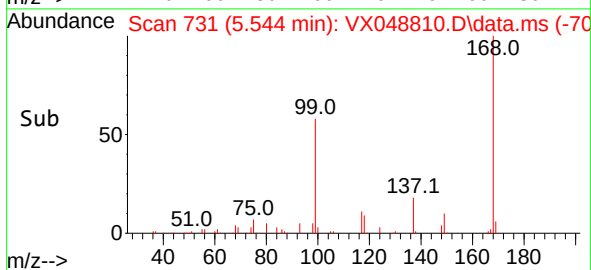
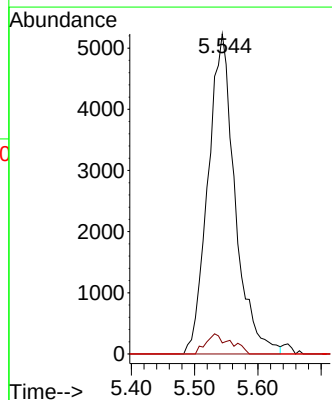
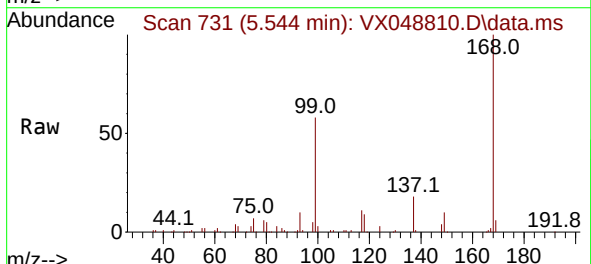
Instrument :  
MSVOA\_X  
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OW-03B-51.5-120425-FDRE

Tgt Ion: 75 Resp: 11516  
Ion Ratio Lower Upper  
75 100  
110 10.1 18.6 55.8#  
77 0.0 25.3 37.9#

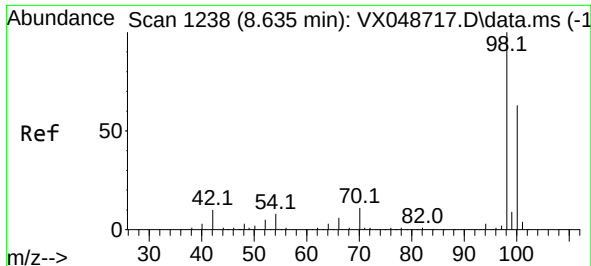


#38  
Carbon Tetrachloride  
Concen: 4.545 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.122 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

Tgt Ion: 117 Resp: 15550  
Ion Ratio Lower Upper  
117 100  
119 3.5 80.5 120.7#  
121 0.0 25.4 38.0#



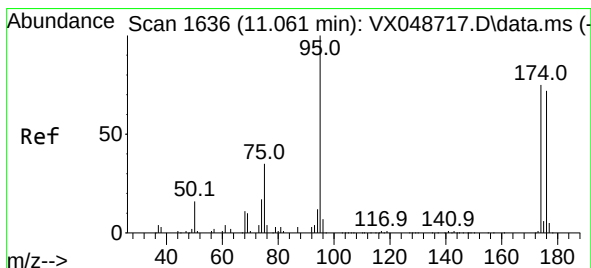
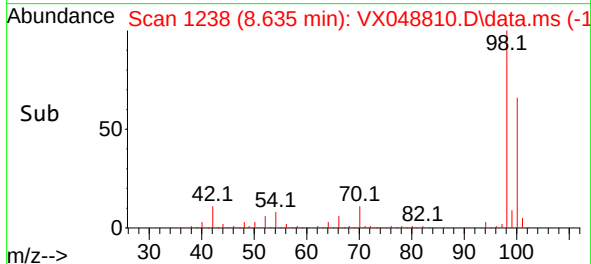
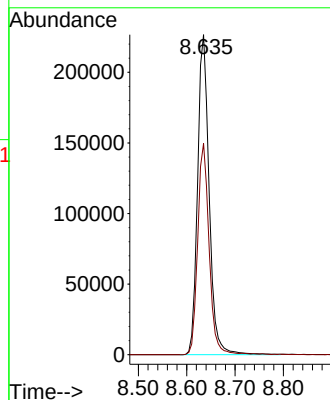
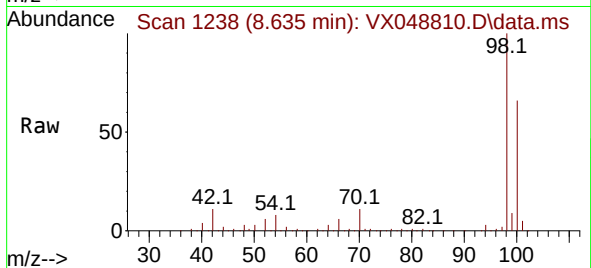




#50  
Toluene-d8  
Concen: 48.571 ug/l  
RT: 8.635 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

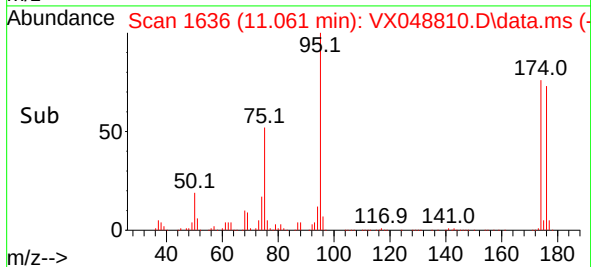
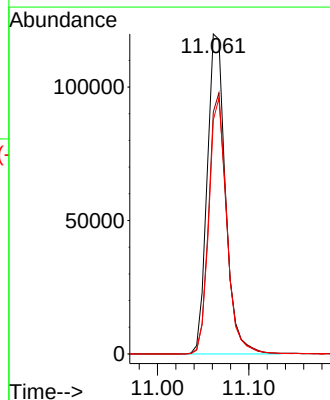
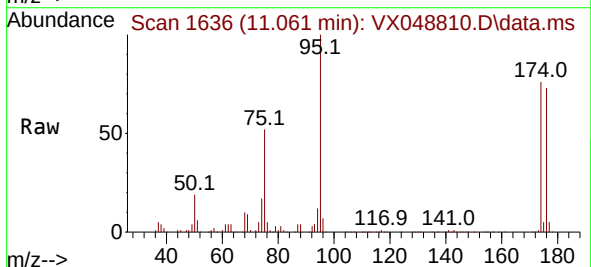
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-03B-51.5-120425-FDRE

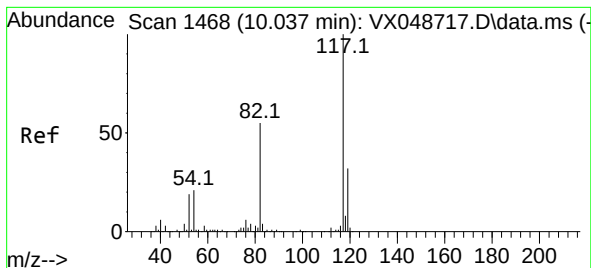
Tgt Ion: 98 Resp: 375438  
Ion Ratio Lower Upper  
98 100  
100 65.3 53.4 80.0



#62  
4-Bromofluorobenzene  
Concen: 62.619 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.000 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

Tgt Ion: 95 Resp: 166905  
Ion Ratio Lower Upper  
95 100  
174 80.1 0.0 157.8  
176 78.2 0.0 154.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. 0.000 min

Lab File: VX048810.D

Acq: 10 Dec 2025 14:51

Instrument :

MSVOA\_X

ClientSampleId :

OW-03B-51.5-120425-FDRE

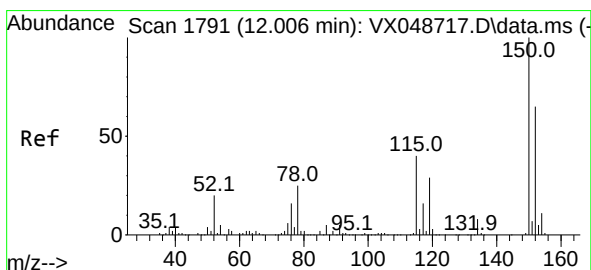
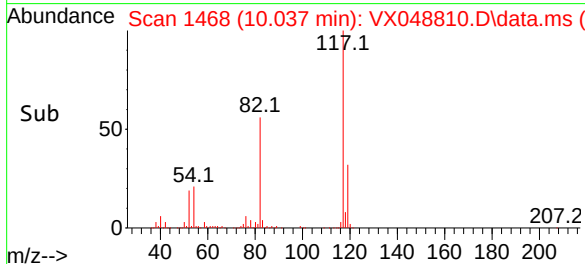
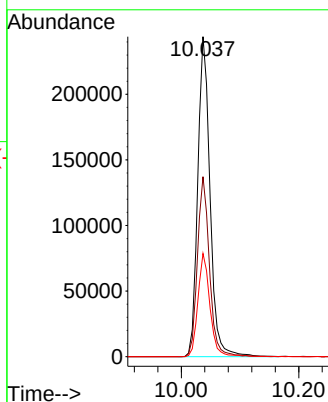
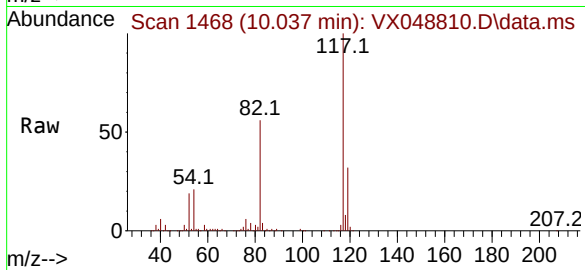
Tgt Ion:117 Resp: 354570

Ion Ratio Lower Upper

117 100

82 56.2 44.1 66.1

119 32.2 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX048810.D

Acq: 10 Dec 2025 14:51

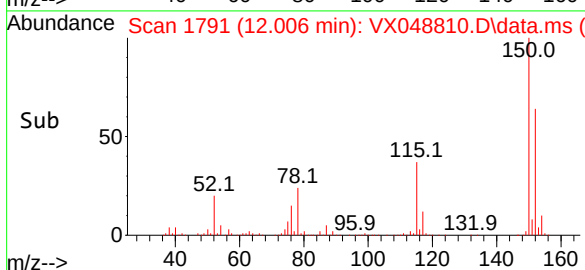
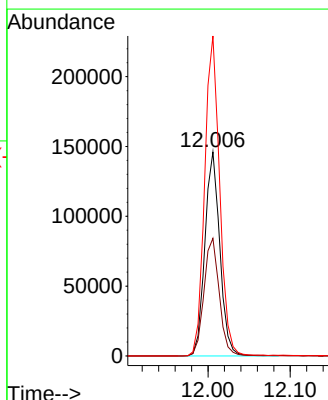
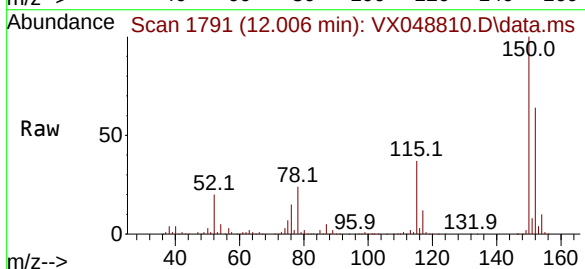
Tgt Ion:152 Resp: 184719

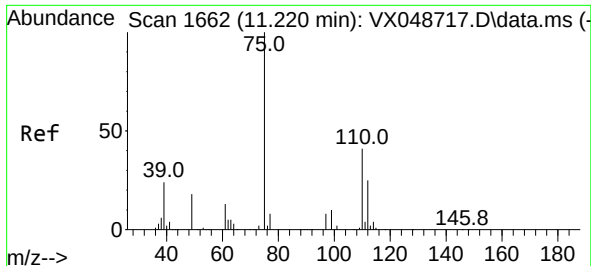
Ion Ratio Lower Upper

152 100

115 59.1 42.1 126.4

150 157.2 0.0 347.8

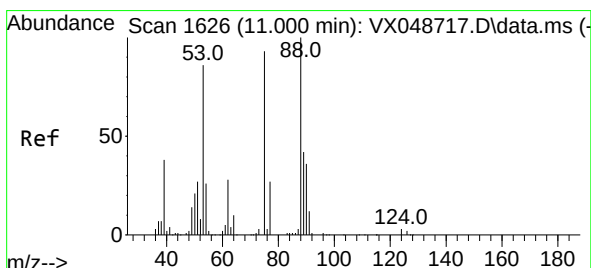
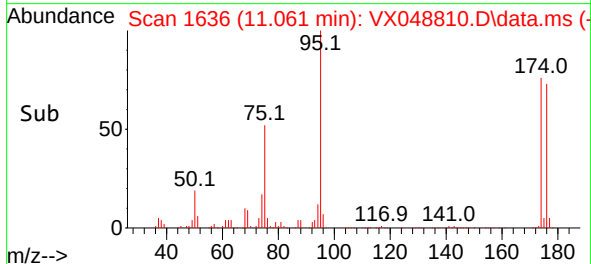
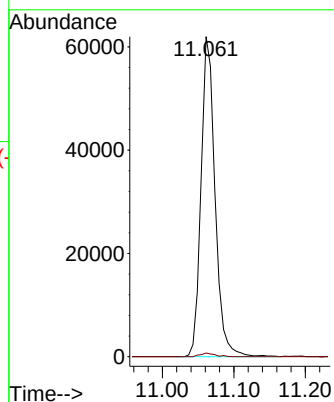
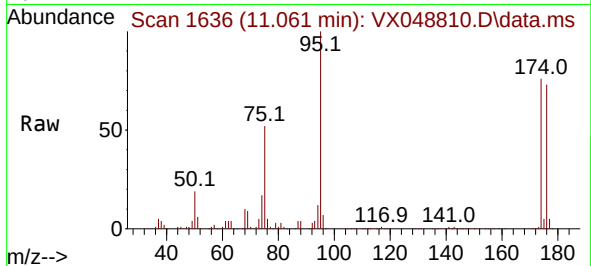




#76  
1,2,3-Trichloropropane  
Concen: 24.504 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. -0.158 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

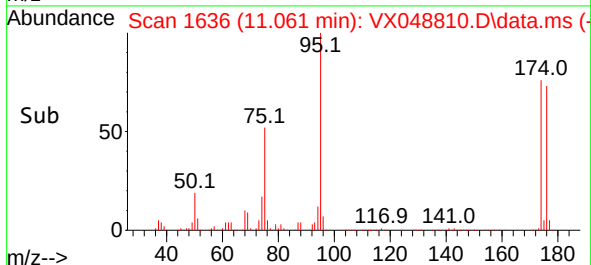
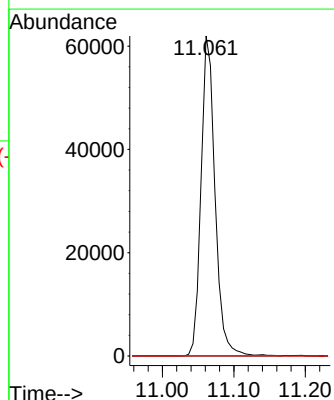
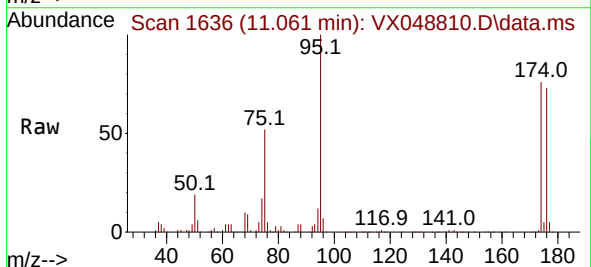
Instrument :  
MSVOA\_X  
ClientSampleId :  
OW-03B-51.5-120425-FDRE

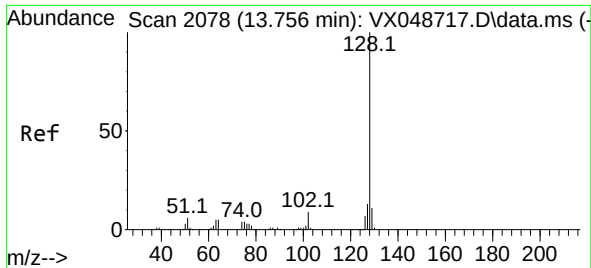
Tgt Ion: 75 Resp: 84304  
Ion Ratio Lower Upper  
75 100  
77 1.2 24.3 73.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 58.206 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.061 min  
Lab File: VX048810.D  
Acq: 10 Dec 2025 14:51

Tgt Ion: 75 Resp: 84304  
Ion Ratio Lower Upper  
75 100  
53 0.0 79.9 119.9#  
89 0.0 67.1 100.7#





#95

Naphthalene

Concen: Below Cal

RT: 13.762 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX048810.D

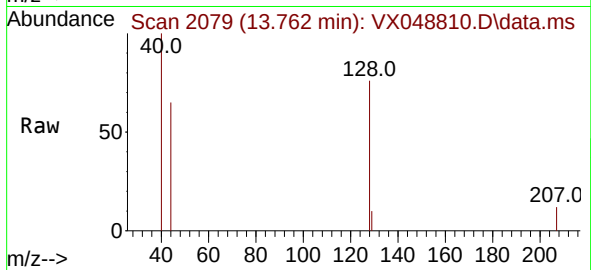
Acq: 10 Dec 2025 14:51

Instrument :

MSVOA\_X

ClientSampleId :

OW-03B-51.5-120425-FDRE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 737   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 0.0   | 10.2  | 15.2# |
| 129      | 11.5  | 8.6   | 13.0  |

