

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110425\  
 Data File : VX048484.D  
 Acq On : 04 Nov 2025 15:11  
 Operator : JC/MD  
 Sample : Q3511-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Nov 05 03:27:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 30 02:37:17 2025  
 Response via : Initial Calibration

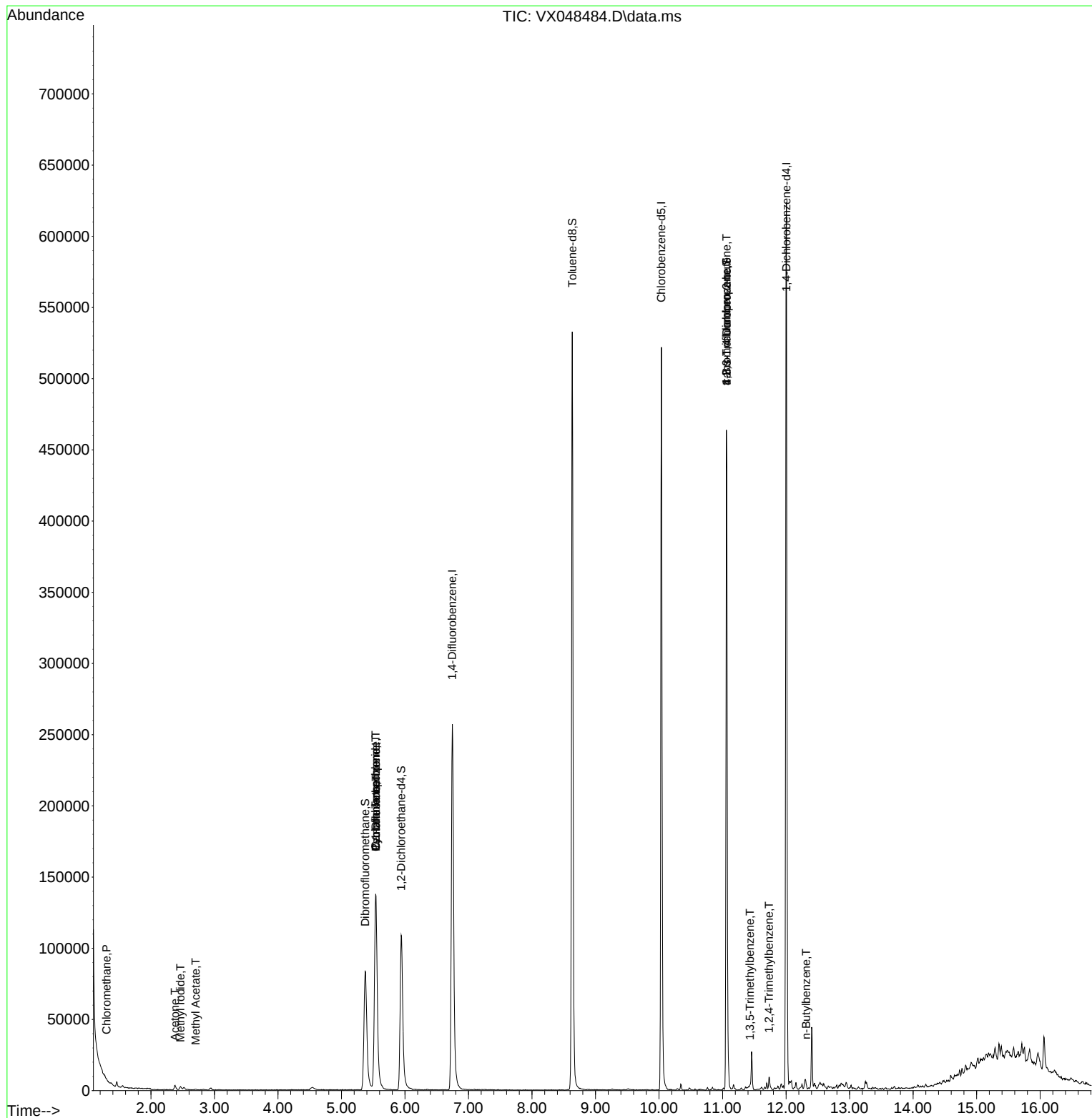
| Compound                      | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                         |                |      |                      |         |        |          |
| Internal Standards            |                |      |                      |         |        |          |
| 1) Pentafluorobenzene         | 5.544          | 168  | 142347               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.745          | 114  | 286906               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.037         | 117  | 258868               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.006         | 152  | 143765               | 50.000  | ug/l   | 0.00     |
|                               |                |      |                      |         |        |          |
| System Monitoring Compounds   |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.940          | 65   | 123426               | 60.291  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 78 - 117 |      | Recovery = 120.580%# |         |        |          |
| 35) Dibromofluoromethane      | 5.373          | 113  | 83601                | 51.108  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 75 - 124 |      | Recovery = 102.220%  |         |        |          |
| 50) Toluene-d8                | 8.634          | 98   | 342920               | 47.492  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 92 - 112 |      | Recovery = 94.980%   |         |        |          |
| 62) 4-Bromofluorobenzene      | 11.061         | 95   | 136802               | 50.647  | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 83 - 123 |      | Recovery = 101.300%  |         |        |          |
|                               |                |      |                      |         |        |          |
| Target Compounds              |                |      | Qvalue               |         |        |          |
| 3) Chloromethane              | 1.300          | 50   | 333                  | 0.406   | ug/l # | 84       |
| 10) Methyl Iodide             | 2.465          | 142  | 2989                 | 0.456   | ug/l   | 99       |
| 16) Acetone                   | 2.380          | 43   | 4123                 | 8.886   | ug/l   | 97       |
| 18) Methyl Acetate            | 2.703          | 43   | 639                  | 0.412   | ug/l # | 71       |
| 31) Cyclohexane               | 5.544          | 56   | 3200                 | 1.131   | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 5.537          | 75   | 11500                | 4.186   | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.537          | 117  | 15362                | 4.844   | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.061         | 75   | 65139                | 31.506  | ug/l # | 33       |
| 80) 1,3,5-Trimethylbenzene    | 11.433         | 105  | 1764                 | 0.202   | ug/l   | 94       |
| 81) trans-1,4-Dichloro-2-b... | 11.061         | 75   | 65139                | 109.029 | ug/l # | 10       |
| 84) 1,2,4-Trimethylbenzene    | 11.731         | 105  | 4269                 | 0.495   | ug/l   | 90       |
| 89) n-Butylbenzene            | 12.317         | 91   | 1904                 | 0.217   | ug/l # | 57       |
| -----                         |                |      |                      |         |        |          |

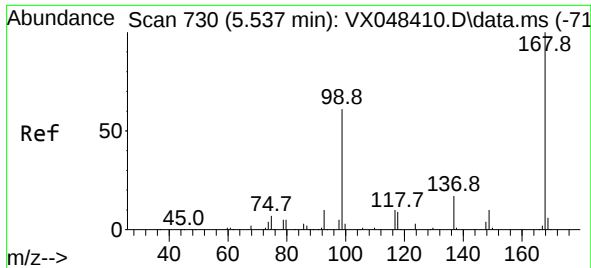
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX110425\  
Data File : VX048484.D  
Acq On : 04 Nov 2025 15:11  
Operator : JC/MD  
Sample : Q3511-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Nov 05 03:27:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102925W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 30 02:37:17 2025  
Response via : Initial Calibration

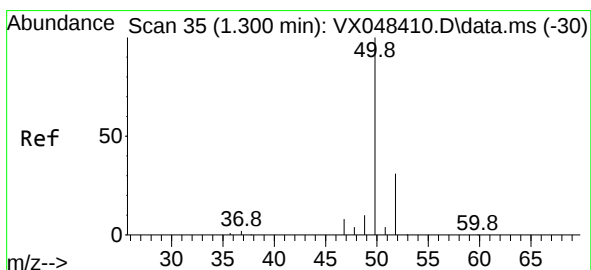
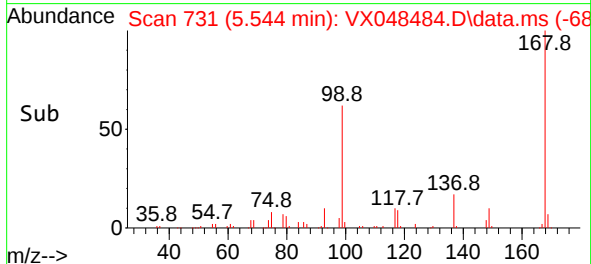
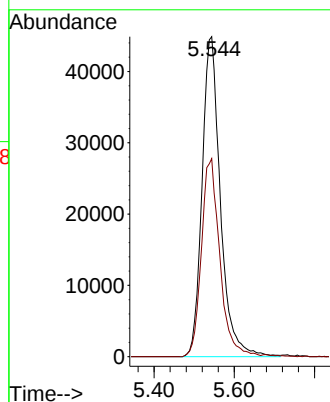
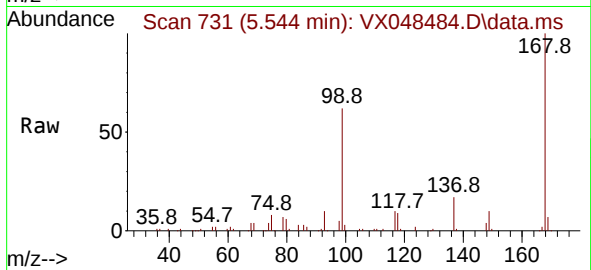




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

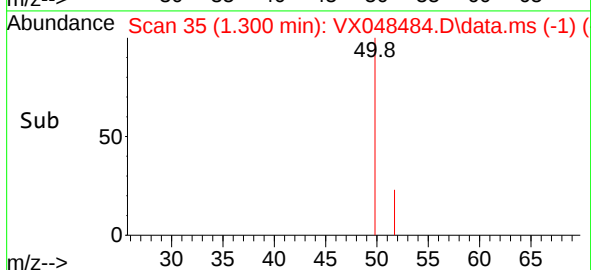
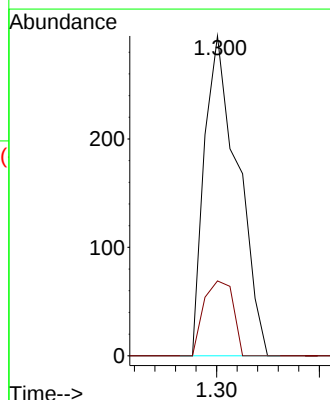
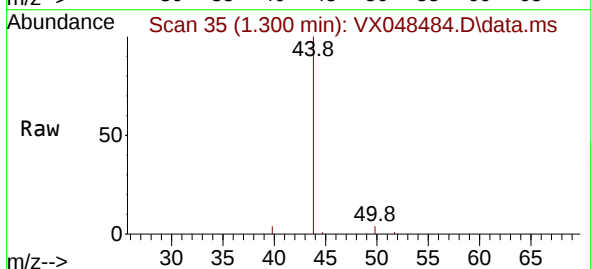
Instrument :  
MSVOA\_X  
ClientSampleId :

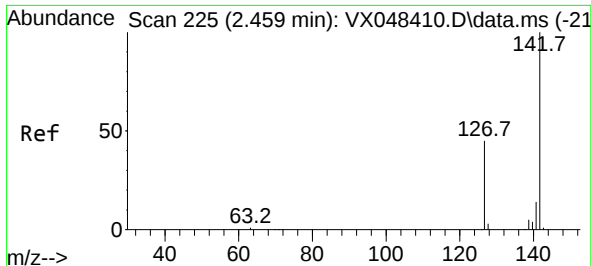
Tgt Ion:168 Resp: 142347  
Ion Ratio Lower Upper  
168 100  
99 61.9 46.4 69.6



#3  
Chloromethane  
Concen: 0.406 ug/l  
RT: 1.300 min Scan# 35  
Delta R.T. -0.000 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

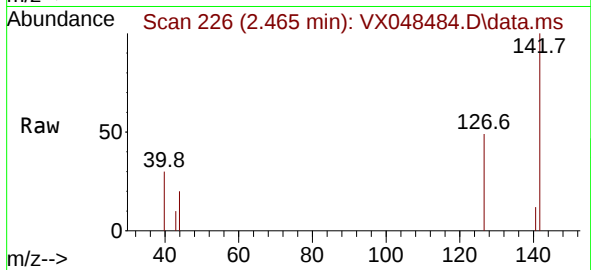
Tgt Ion: 50 Resp: 333  
Ion Ratio Lower Upper  
50 100  
52 23.4 25.9 38.9#



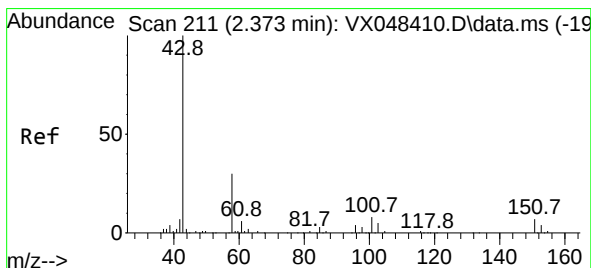
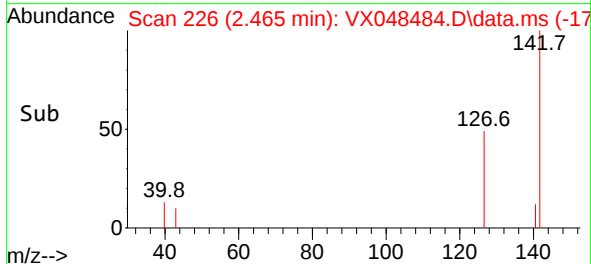
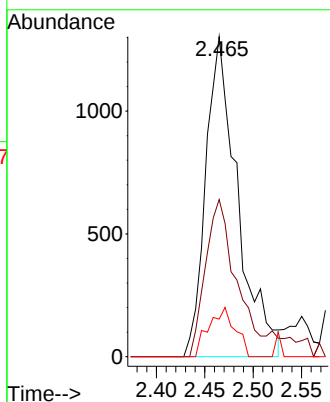


#10  
Methyl Iodide  
Concen: 0.456 ug/l  
RT: 2.465 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

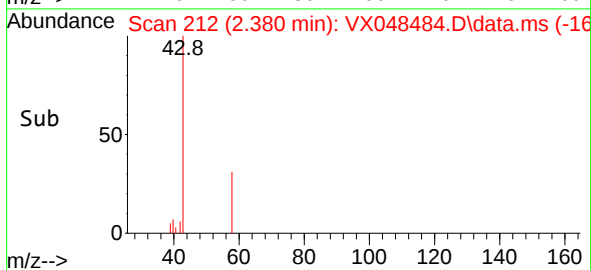
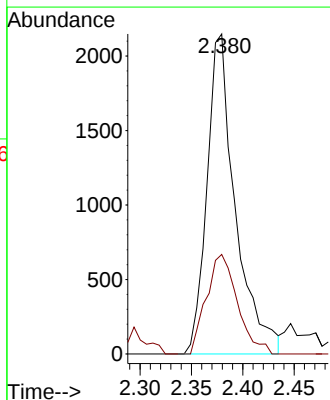
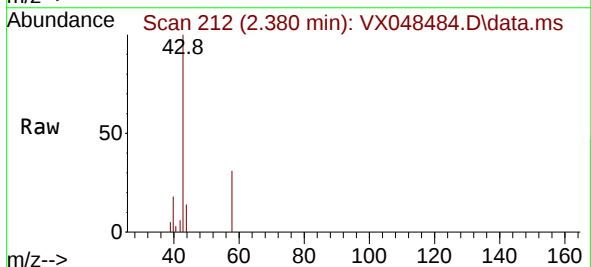


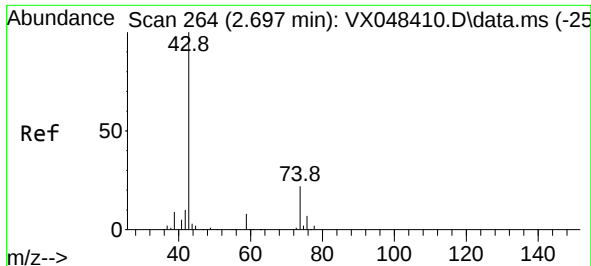
Tgt Ion:142 Resp: 2989  
Ion Ratio Lower Upper  
142 100  
127 47.8 38.5 57.7  
141 12.7 11.6 17.4



#16  
Acetone  
Concen: 8.886 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.006 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

Tgt Ion: 43 Resp: 4123  
Ion Ratio Lower Upper  
43 100  
58 31.1 23.4 35.2

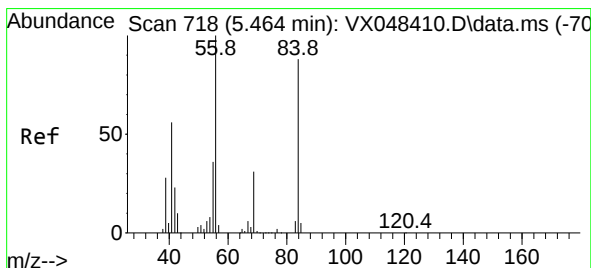
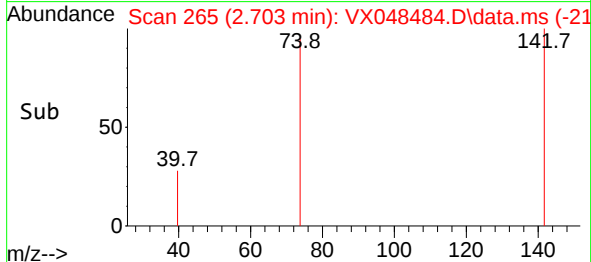
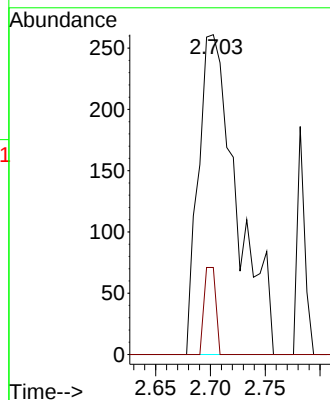
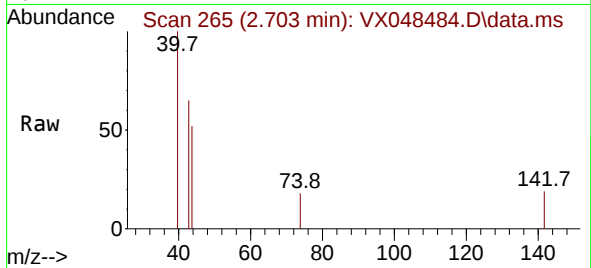




#18  
Methyl Acetate  
Concen: 0.412 ug/l  
RT: 2.703 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

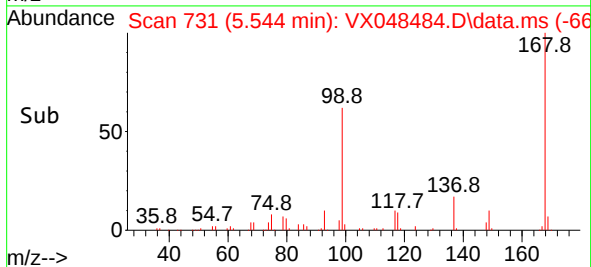
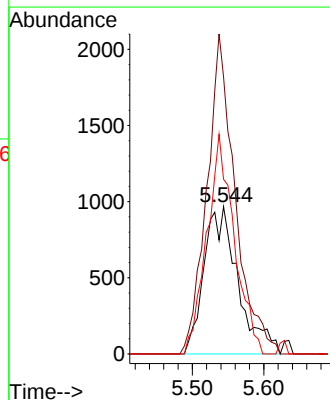
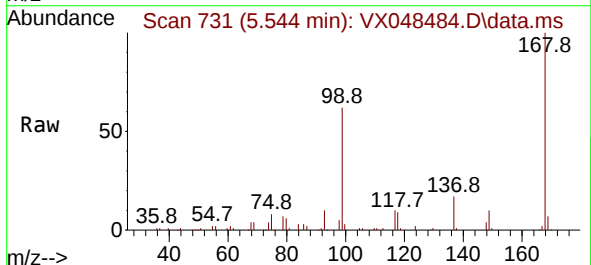
Instrument :  
MSVOA\_X  
ClientSampleId :

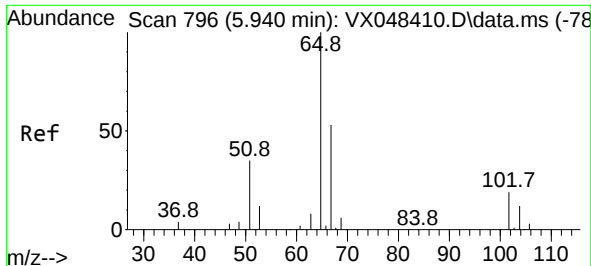
Tgt Ion: 43 Resp: 639  
Ion Ratio Lower Upper  
43 100  
74 8.1 17.5 26.3#



#31  
Cyclohexane  
Concen: 1.131 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.079 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

Tgt Ion: 56 Resp: 3200  
Ion Ratio Lower Upper  
56 100  
69 187.9 23.0 34.6#  
84 118.5 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 60.291 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048484.D

Acq: 04 Nov 2025 15:11

Instrument :

MSVOA\_X

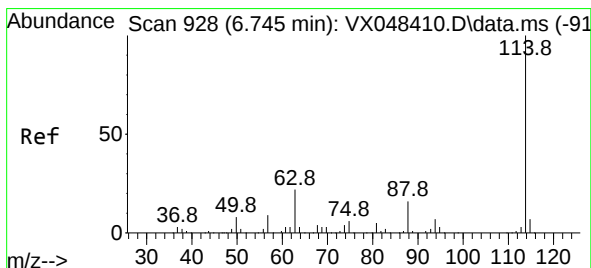
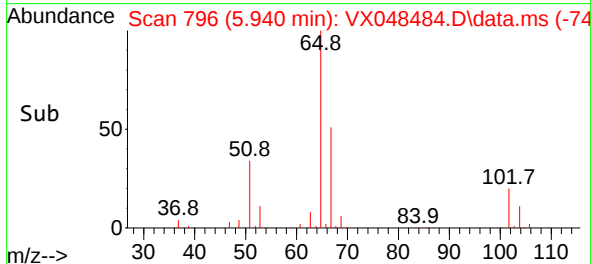
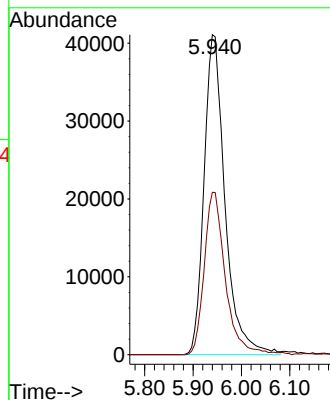
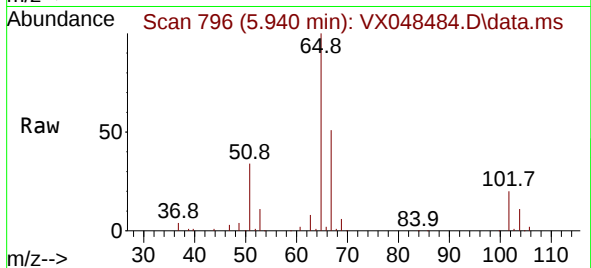
ClientSampleId :

Tgt Ion: 65 Resp: 123426

Ion Ratio Lower Upper

65 100

67 51.3 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048484.D

Acq: 04 Nov 2025 15:11

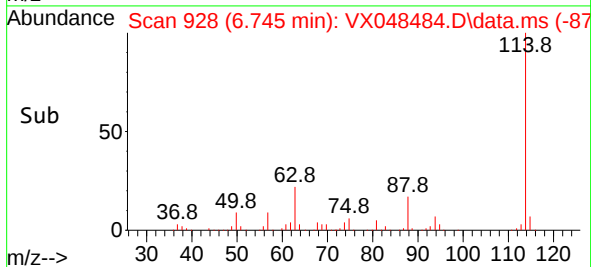
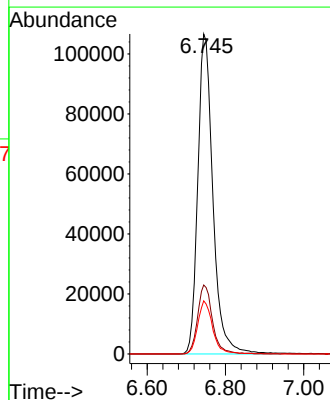
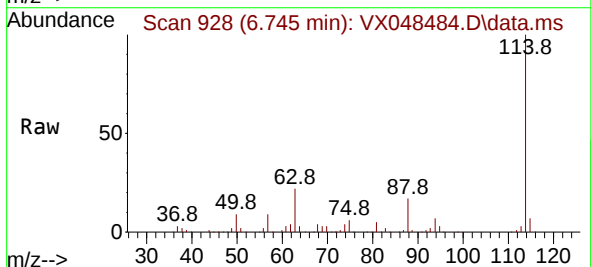
Tgt Ion: 114 Resp: 286906

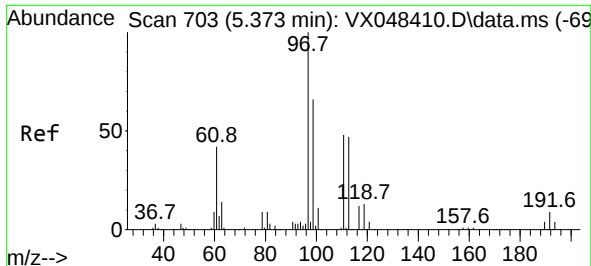
Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.2

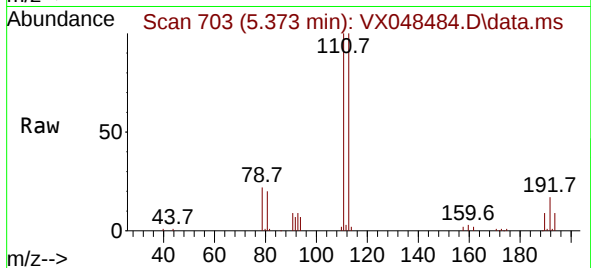
88 16.6 0.0 33.6



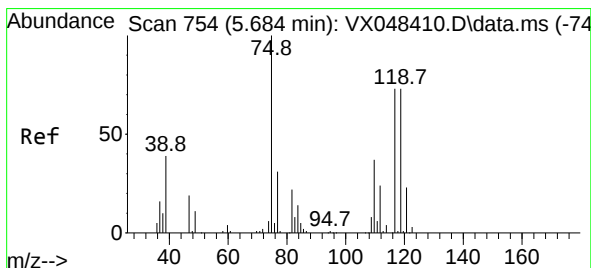
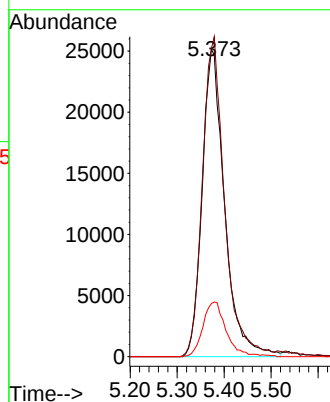
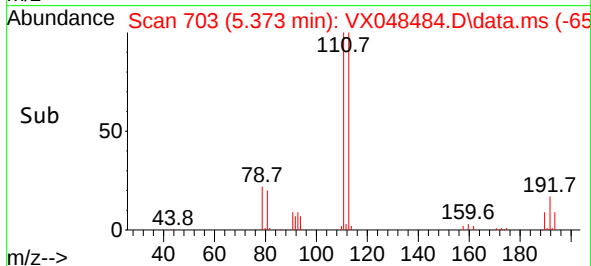


#35  
Dibromofluoromethane  
Concen: 51.108 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

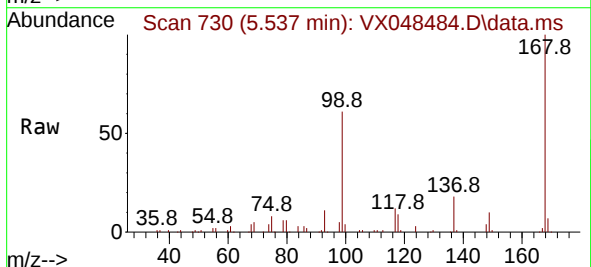
Instrument :  
MSVOA\_X  
ClientSampleId :



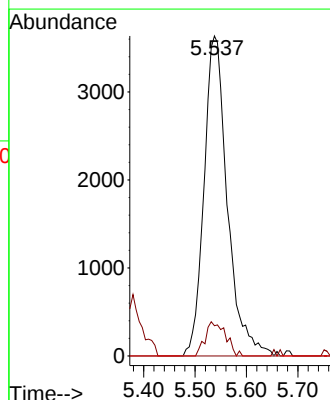
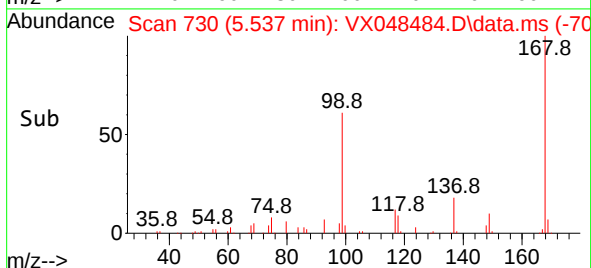
Tgt Ion:113 Resp: 83601  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.2 123.4  
192 18.5 15.1 22.7

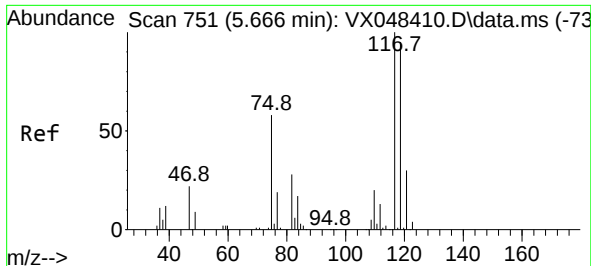


#36  
1,1-Dichloropropene  
Concen: 4.186 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. -0.146 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11



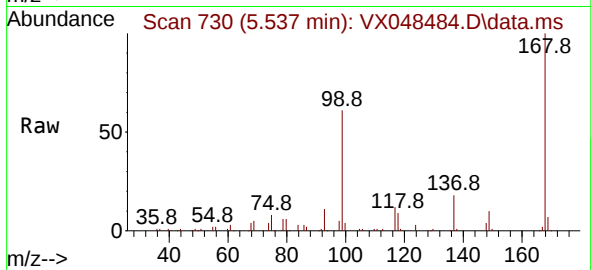
Tgt Ion: 75 Resp: 11500  
Ion Ratio Lower Upper  
75 100  
110 9.3 17.7 53.1#  
77 0.0 24.3 36.5#



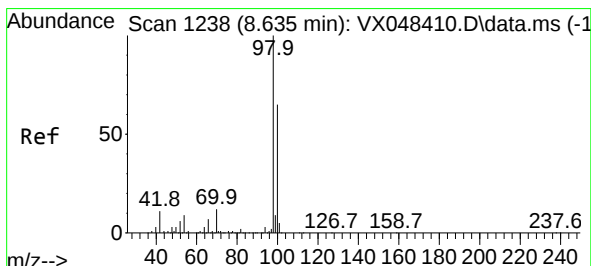
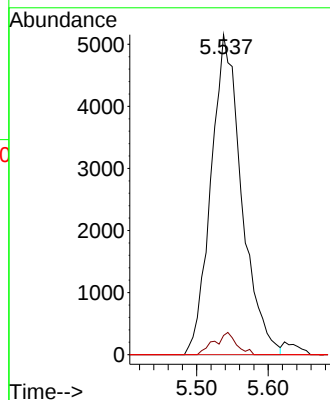
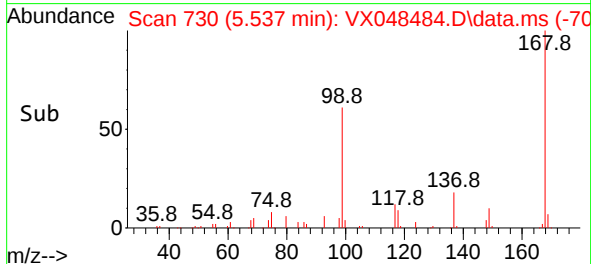


#38  
Carbon Tetrachloride  
Concen: 4.844 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.128 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

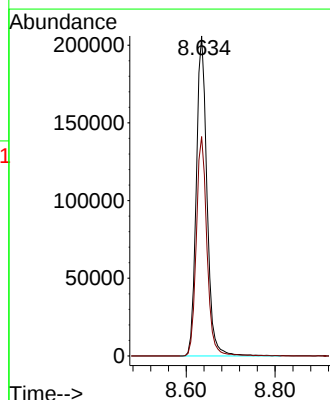
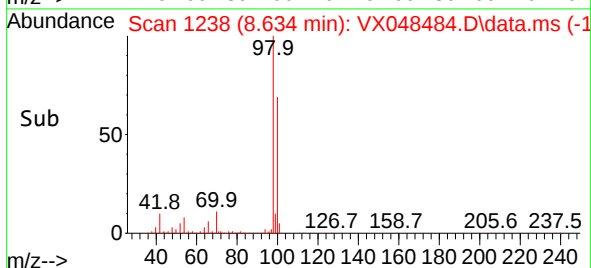
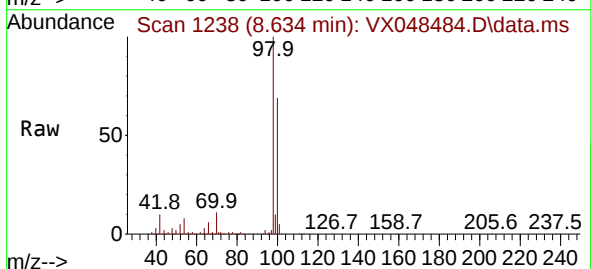


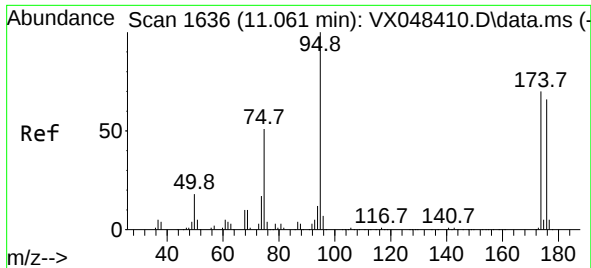
Tgt Ion:117 Resp: 15362  
Ion Ratio Lower Upper  
117 100  
119 6.0 77.2 115.8#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 47.492 ug/l  
RT: 8.634 min Scan# 1238  
Delta R.T. -0.000 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

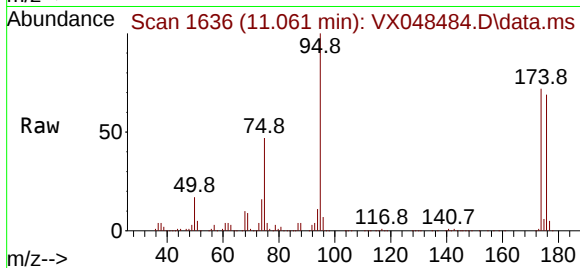
Tgt Ion: 98 Resp: 342920  
Ion Ratio Lower Upper  
98 100  
100 68.3 53.0 79.4



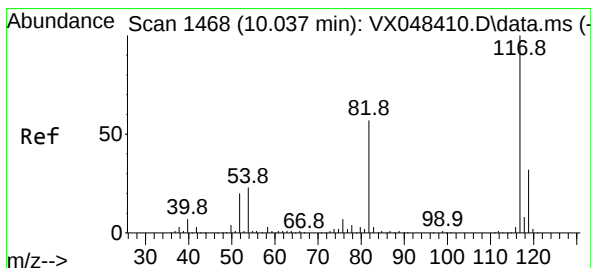
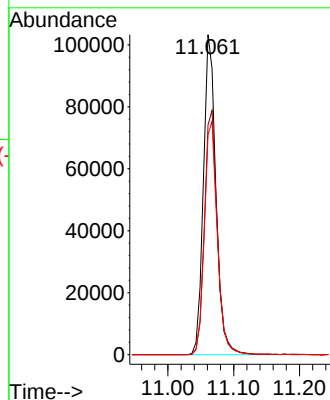
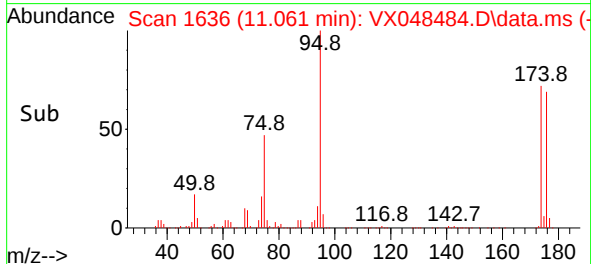


#62  
4-Bromofluorobenzene  
Concen: 50.647 ug/l  
RT: 11.061 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

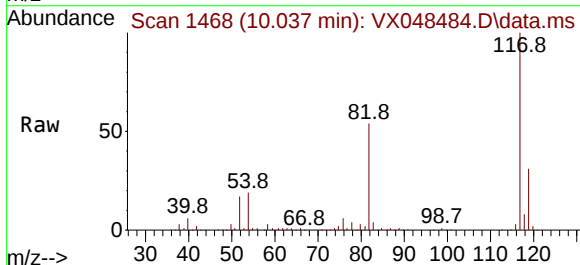
Instrument :  
MSVOA\_X  
ClientSampleId :



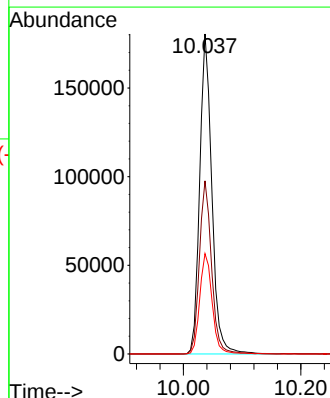
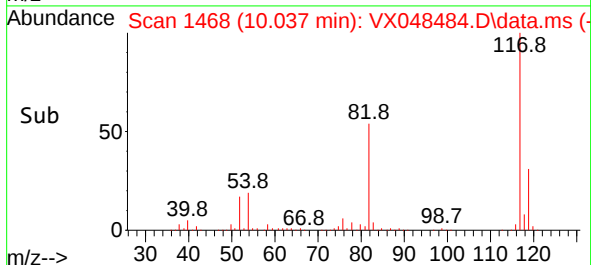
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Ion Ratio Lower Upper  
95 100  
174 78.9 0.0 147.8  
176 75.1 0.0 142.8

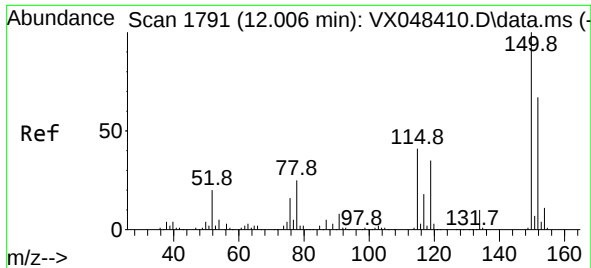


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.037 min Scan# 1468  
Delta R.T. -0.000 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11



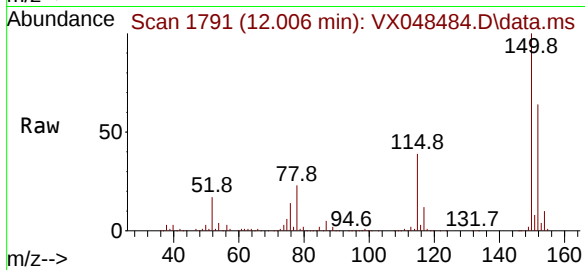
Tgt Ion: 117 Resp: 258868  
Ion Ratio Lower Upper  
117 100  
82 54.1 46.5 69.7  
119 31.4 25.9 38.9



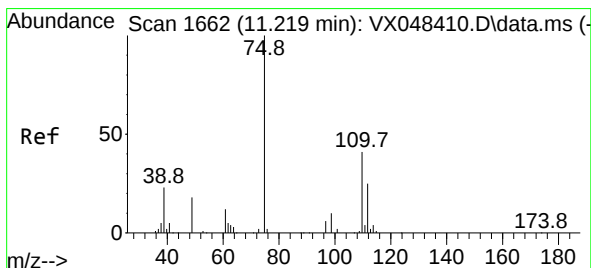
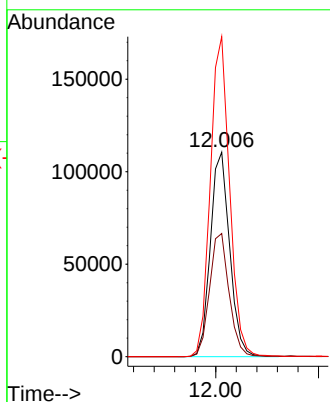
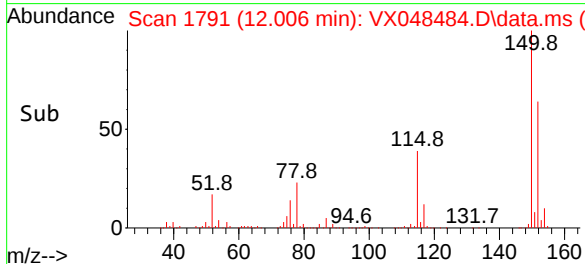


#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.006 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX048484.D  
 Acq: 04 Nov 2025 15:11

Instrument :  
 MSVOA\_X  
 ClientSampleId :

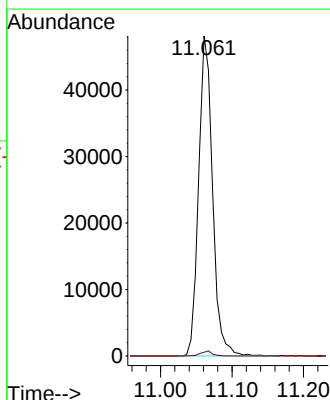
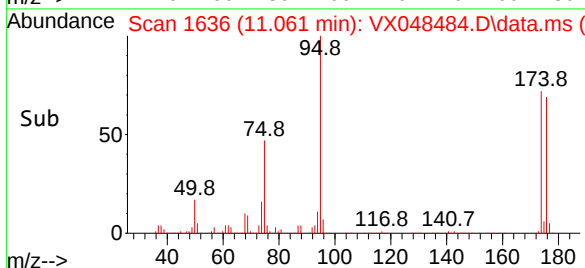
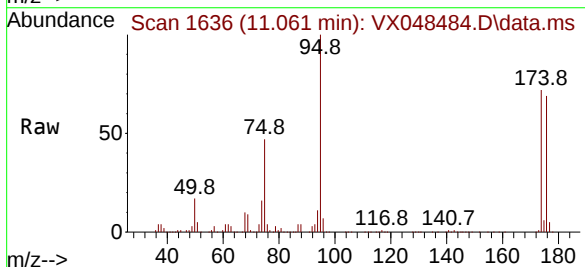


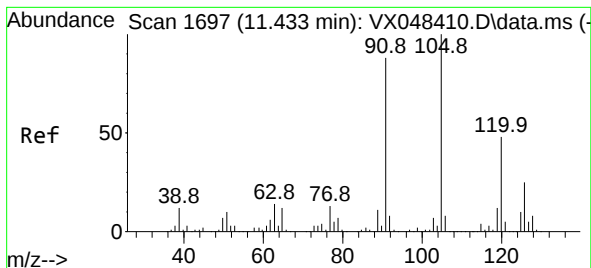
Tgt Ion:152 Resp: 143765  
 Ion Ratio Lower Upper  
 152 100  
 115 61.4 43.1 129.4  
 150 156.4 0.0 353.0



#76  
 1,2,3-Trichloropropane  
 Concen: 31.506 ug/l  
 RT: 11.061 min Scan# 1636  
 Delta R.T. -0.159 min  
 Lab File: VX048484.D  
 Acq: 04 Nov 2025 15:11

Tgt Ion: 75 Resp: 65139  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 22.4 67.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.202 ug/l

RT: 11.433 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048484.D

Acq: 04 Nov 2025 15:11

Instrument :

MSVOA\_X

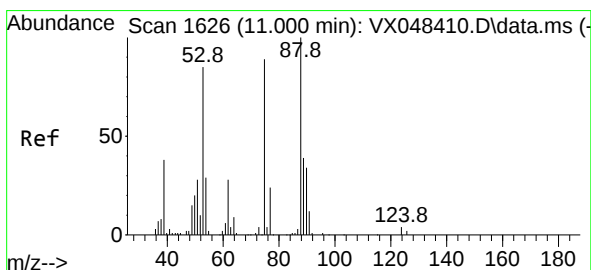
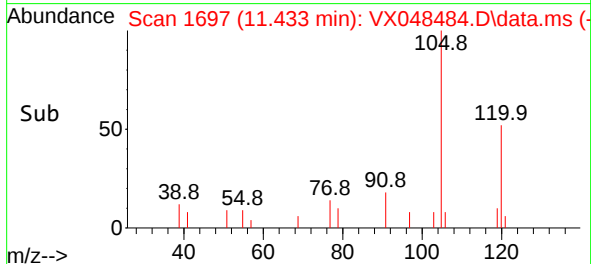
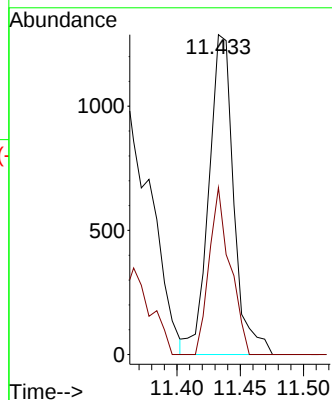
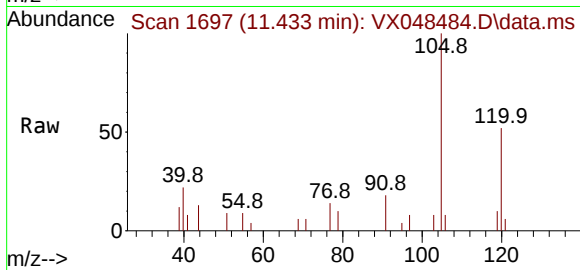
ClientSampleId :

Tgt Ion:105 Resp: 1764

Ion Ratio Lower Upper

105 100

120 43.9 24.0 72.0



#81

trans-1,4-Dichloro-2-butene

Concen: 109.029 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048484.D

Acq: 04 Nov 2025 15:11

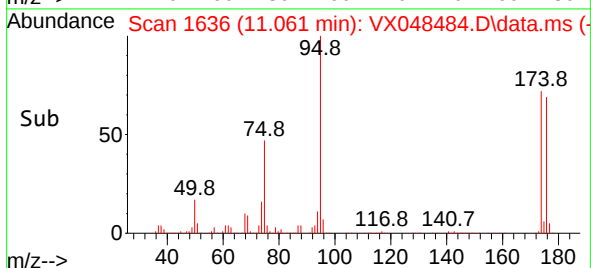
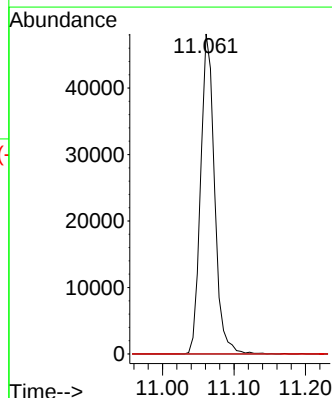
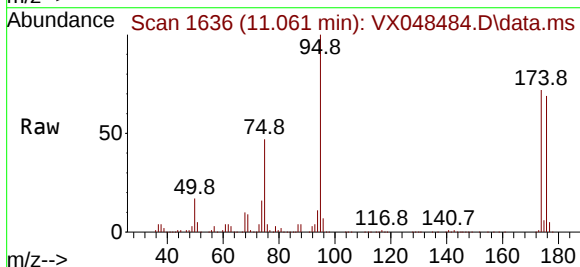
Tgt Ion: 75 Resp: 65139

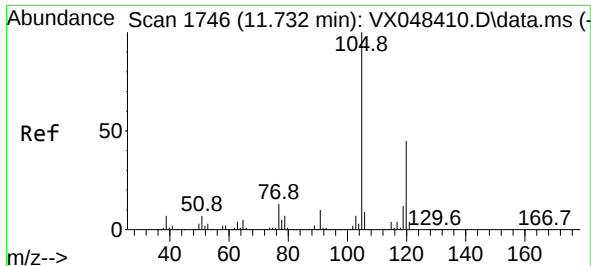
Ion Ratio Lower Upper

75 100

53 0.0 79.5 119.3#

89 0.0 36.8 55.2#

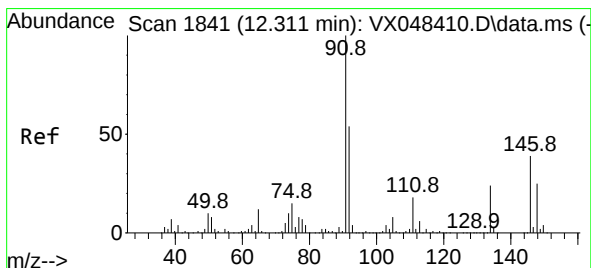
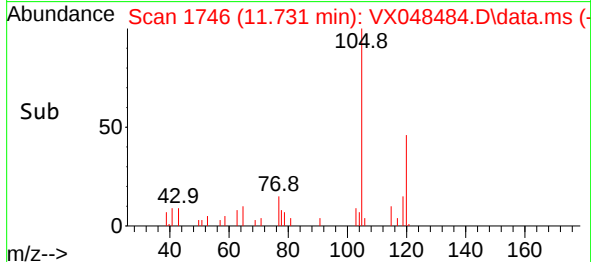
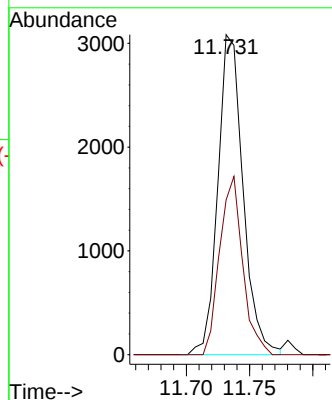
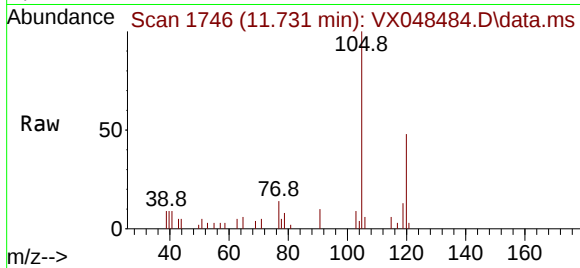




#84  
1,2,4-Trimethylbenzene  
Concen: 0.495 ug/l  
RT: 11.731 min Scan# 1746  
Delta R.T. -0.000 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion:105 Resp: 4269  
Ion Ratio Lower Upper  
105 100  
120 50.8 22.1 66.5



#89  
n-Butylbenzene  
Concen: 0.217 ug/l  
RT: 12.317 min Scan# 1842  
Delta R.T. 0.006 min  
Lab File: VX048484.D  
Acq: 04 Nov 2025 15:11

Tgt Ion: 91 Resp: 1904  
Ion Ratio Lower Upper  
91 100  
92 41.9 26.9 80.6  
134 75.9 12.7 38.1#

