

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091925\  
 Data File : VX047666.D  
 Acq On : 19 Sep 2025 11:47  
 Operator : JC/MD  
 Sample : Q3095-25DL 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :

Quant Time: Sep 20 00:29:26 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 17 06:39:58 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 189981   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 344496   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.037 | 117  | 309572   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.006 | 152  | 151017   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.940  | 65    | 164845   | 54.512   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 109.020% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 124924   | 54.071   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 108.140% |
| 50) Toluene-d8              | 8.634  | 98    | 434109   | 54.302   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 108.600% |
| 62) 4-Bromofluorobenzene    | 11.067 | 95    | 167474   | 55.199   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 110.400% |

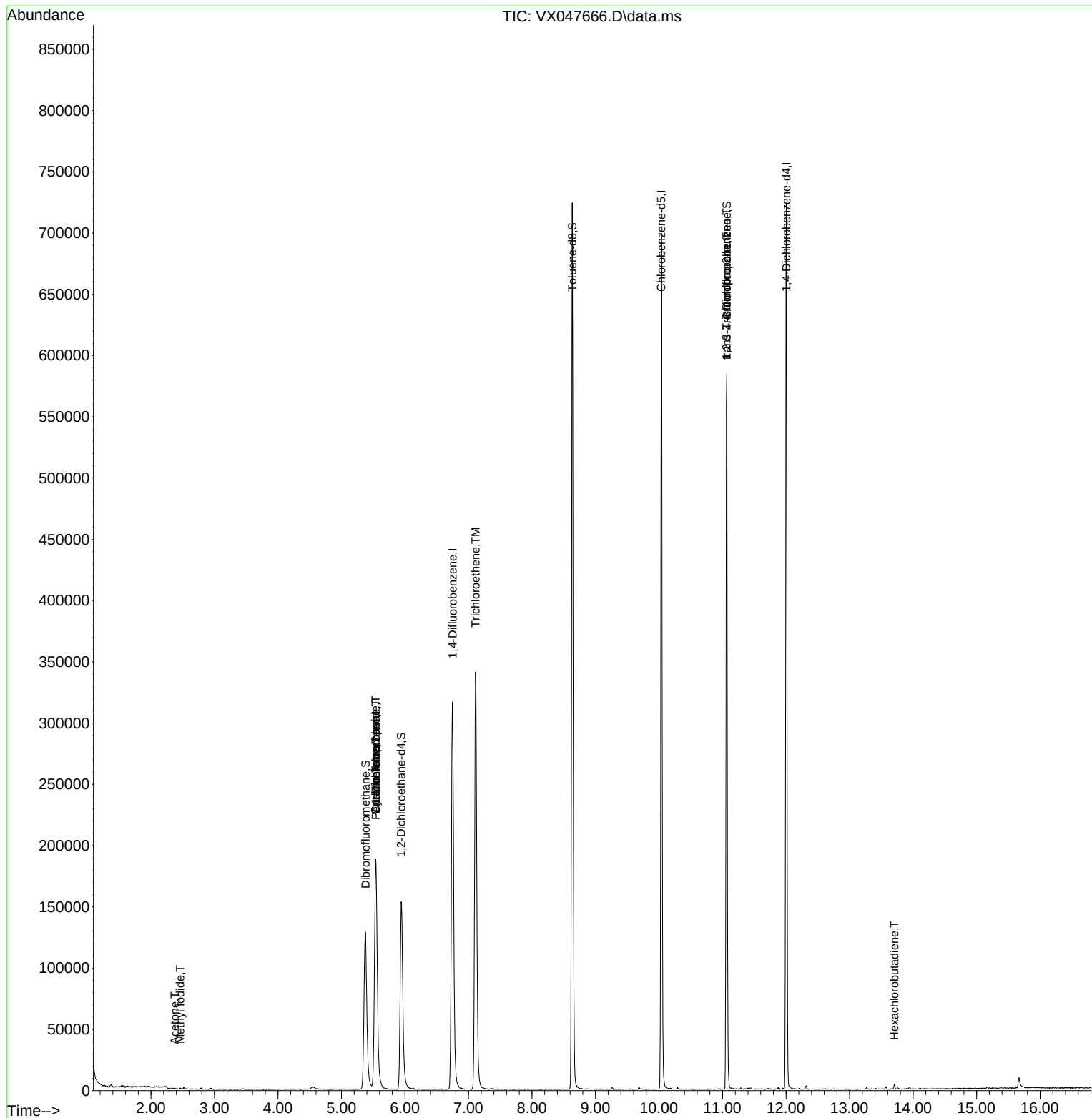
| Target Compounds              |        |     |        |        | Qvalue |    |
|-------------------------------|--------|-----|--------|--------|--------|----|
| 10) Methyl Iodide             | 2.459  | 142 | 772    | 0.225  | ug/l # | 94 |
| 16) Acetone                   | 2.373  | 43  | 638    | 0.485  | ug/l # | 34 |
| 31) Cyclohexane               | 5.537  | 56  | 3940   | 0.986  | ug/l # | 1  |
| 36) 1,1-Dichloropropene       | 5.537  | 75  | 15843  | 4.693  | ug/l # | 52 |
| 38) Carbon Tetrachloride      | 5.537  | 117 | 20687  | 5.640  | ug/l # | 18 |
| 44) Trichloroethene           | 7.110  | 130 | 144090 | 58.124 | ug/l   | 94 |
| 76) 1,2,3-Trichloropropane    | 11.061 | 75  | 85601  | 27.996 | ug/l # | 40 |
| 81) trans-1,4-Dichloro-2-b... | 11.061 | 75  | 85601  | 71.394 | ug/l # | 8  |
| 94) Hexachlorobutadiene       | 13.707 | 225 | 552    | 0.500  | ug/l   | 93 |

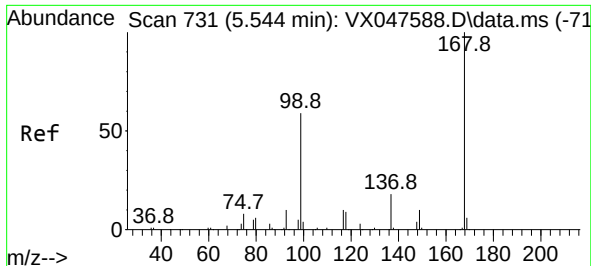
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_X  
ClientSampleId :

Quant Time: Sep 20 00:29:26 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091625W.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 17 06:39:58 2025  
Response via : Initial Calibration

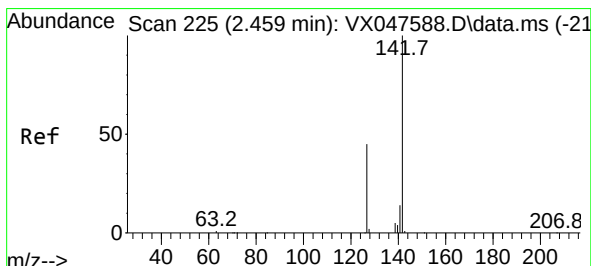
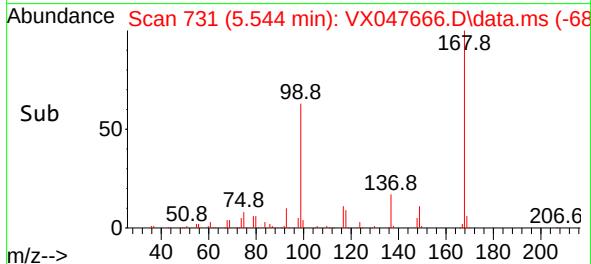
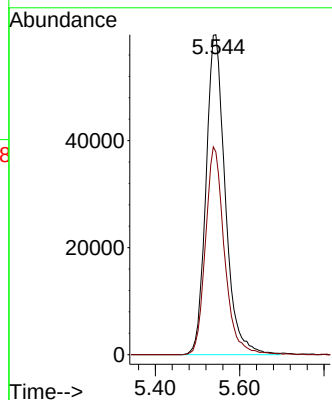
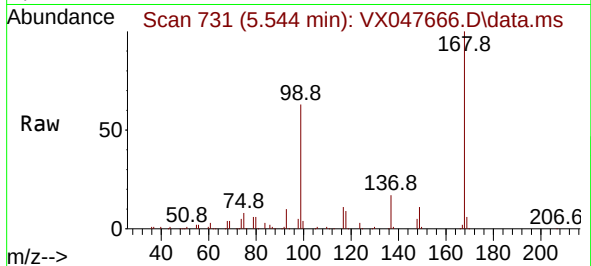




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.000 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

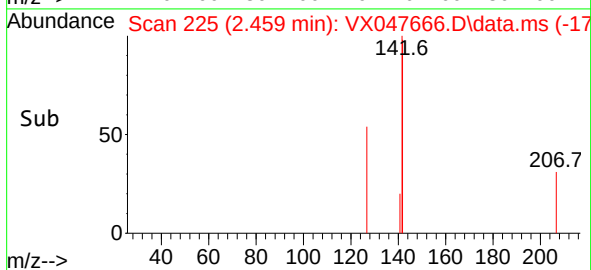
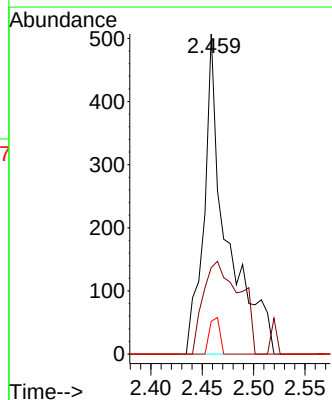
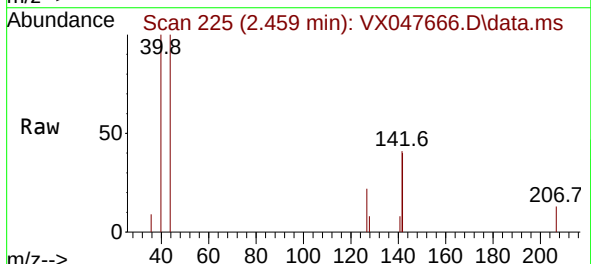
Instrument :  
MSVOA\_X  
ClientSampleId :

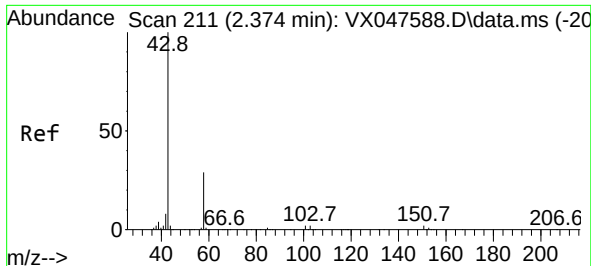
Tgt Ion:168 Resp: 189981  
Ion Ratio Lower Upper  
168 100  
99 63.4 48.8 73.2



#10  
Methyl Iodide  
Concen: 0.225 ug/l  
RT: 2.459 min Scan# 225  
Delta R.T. -0.000 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

Tgt Ion:142 Resp: 772  
Ion Ratio Lower Upper  
142 100  
127 46.9 37.2 55.8  
141 5.2 11.4 17.0#

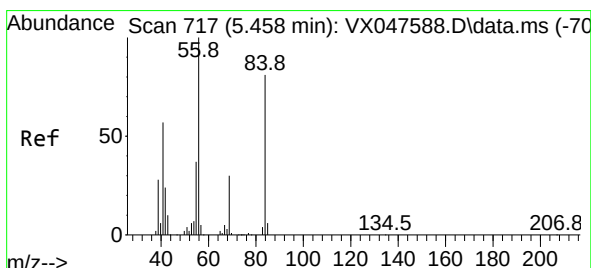
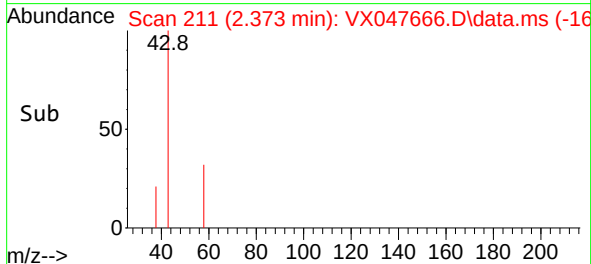
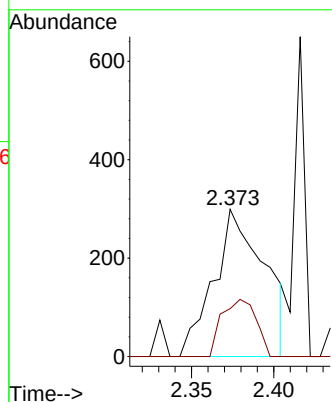
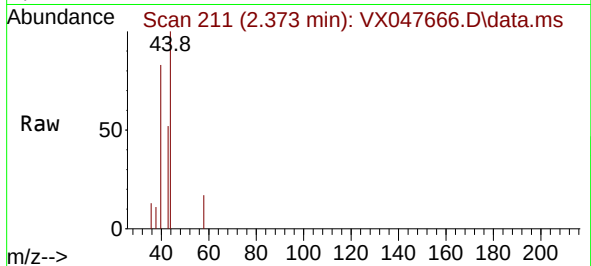




#16  
Acetone  
Concen: 0.485 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

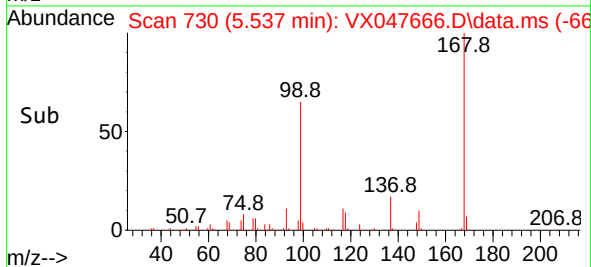
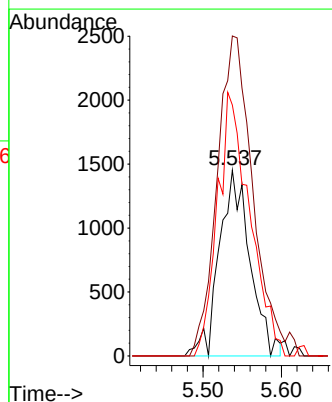
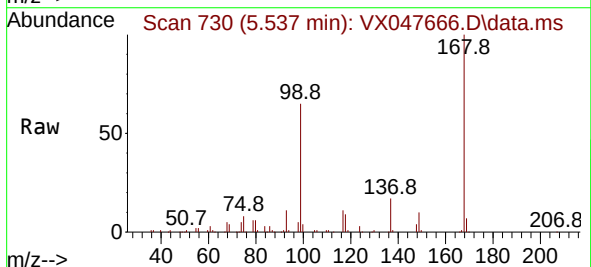
Instrument :  
MSVOA\_X  
ClientSampleId :

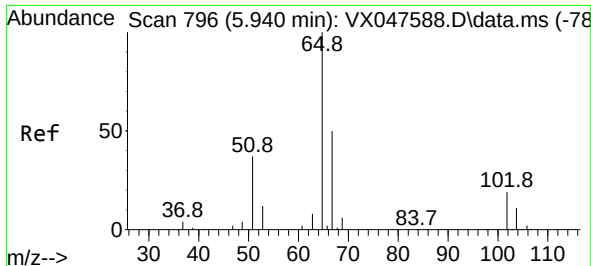
Tgt Ion: 43 Resp: 638  
Ion Ratio Lower Upper  
43 100  
58 64.7 23.4 35.0#



#31  
Cyclohexane  
Concen: 0.986 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. 0.079 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

Tgt Ion: 56 Resp: 3940  
Ion Ratio Lower Upper  
56 100  
69 172.2 23.8 35.8#  
84 135.0 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 54.512 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX047666.D

Acq: 19 Sep 2025 11:47

Instrument :

MSVOA\_X

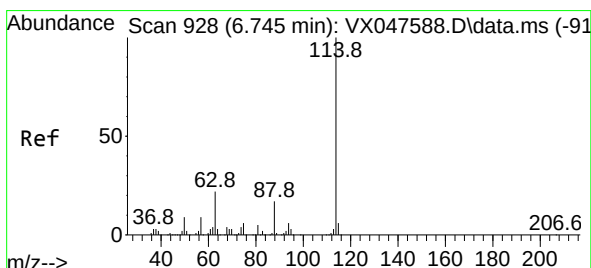
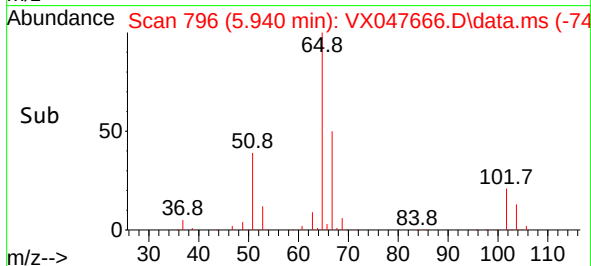
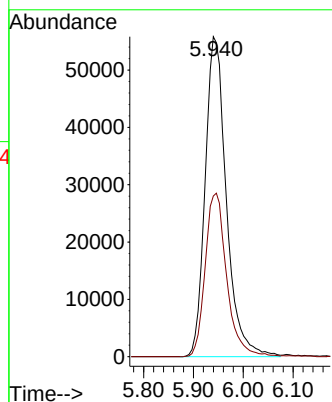
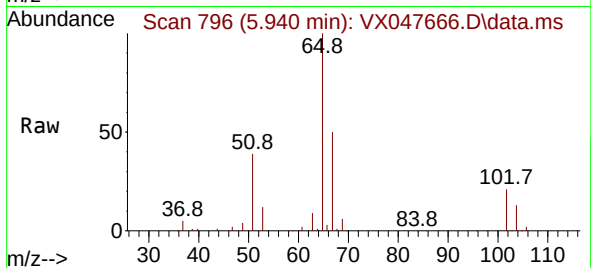
ClientSampleId :

Tgt Ion: 65 Resp: 164845

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047666.D

Acq: 19 Sep 2025 11:47

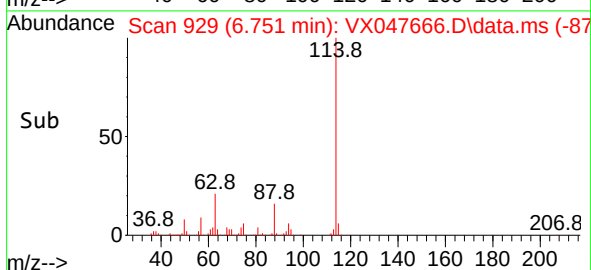
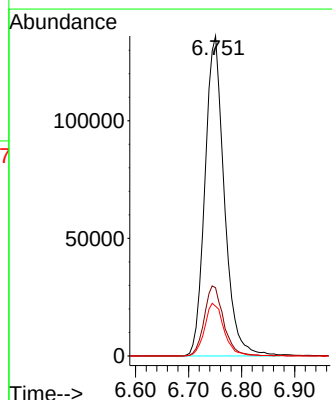
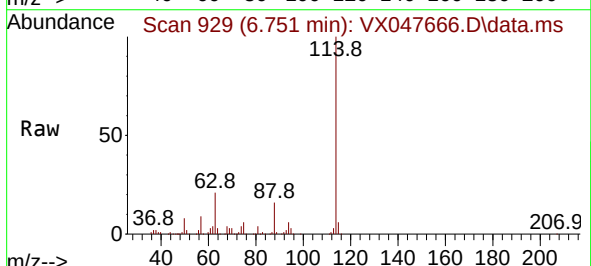
Tgt Ion: 114 Resp: 344496

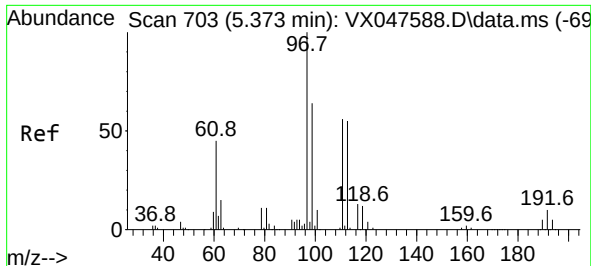
Ion Ratio Lower Upper

114 100

63 21.3 0.0 44.0

88 15.5 0.0 34.2

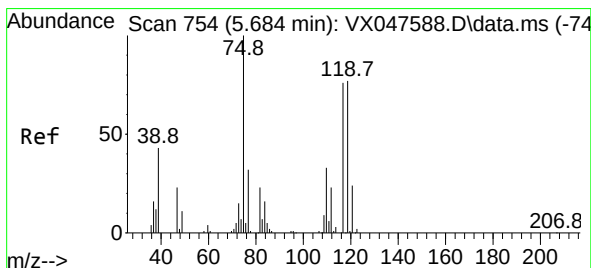
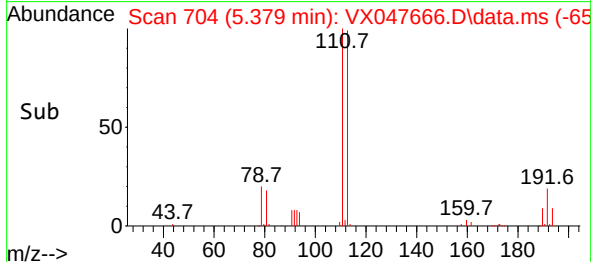
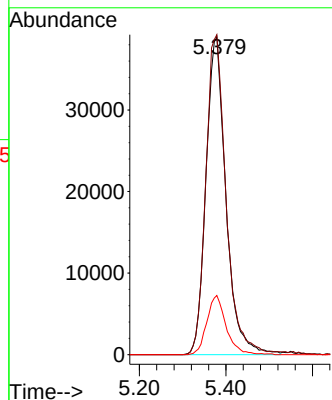
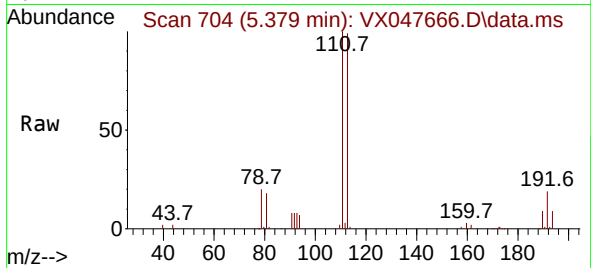




#35  
Dibromofluoromethane  
Concen: 54.071 ug/l  
RT: 5.379 min Scan# 703  
Delta R.T. 0.006 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

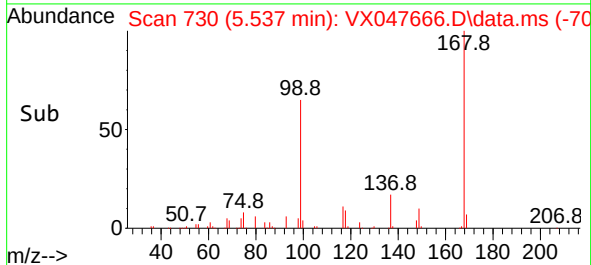
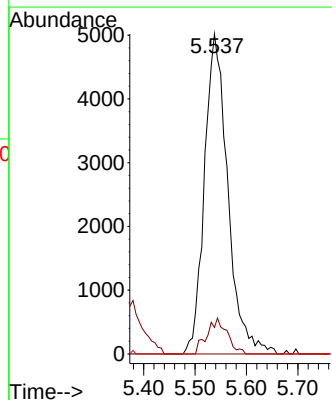
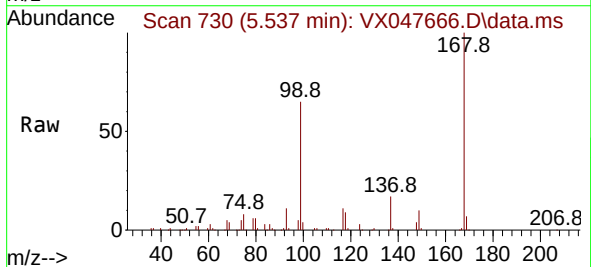
Instrument :  
MSVOA\_X  
ClientSampleId :

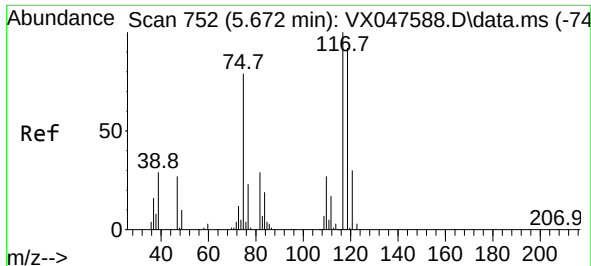
Tgt Ion:113 Resp: 124924  
Ion Ratio Lower Upper  
113 100  
111 102.3 80.9 121.3  
192 18.1 14.2 21.4



#36  
1,1-Dichloropropene  
Concen: 4.693 ug/l  
RT: 5.537 min Scan# 730  
Delta R.T. -0.147 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

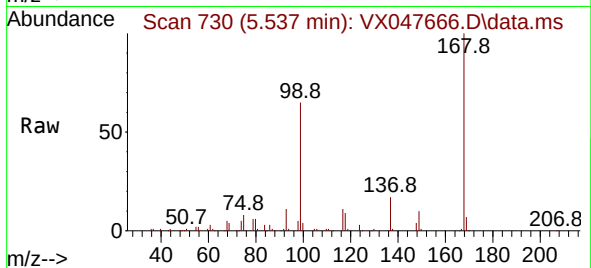
Tgt Ion: 75 Resp: 15843  
Ion Ratio Lower Upper  
75 100  
110 9.6 16.7 50.1#  
77 0.0 24.3 36.5#



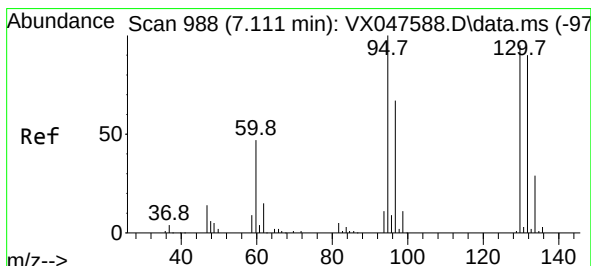
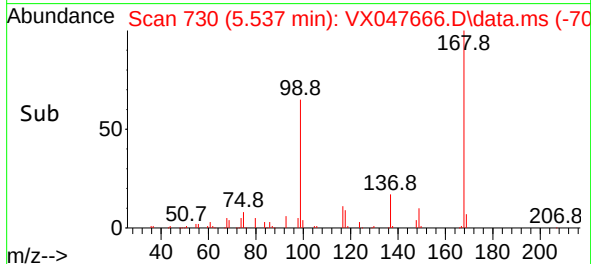
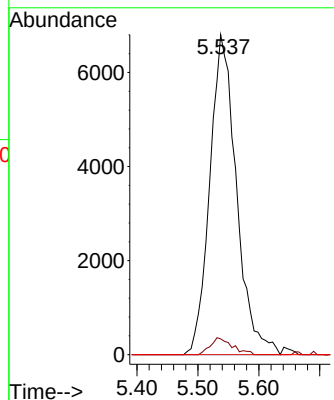


#38  
Carbon Tetrachloride  
Concen: 5.640 ug/l  
RT: 5.537 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

Instrument :  
MSVOA\_X  
ClientSampleId :

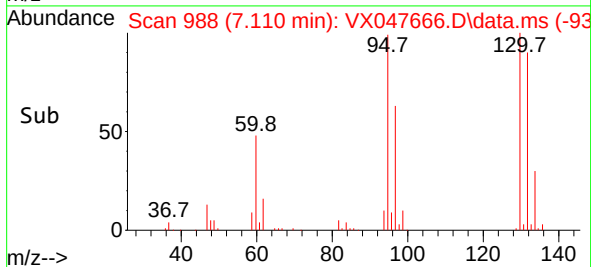
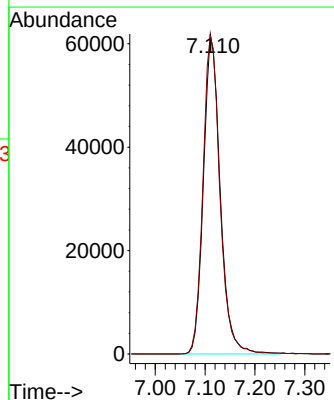
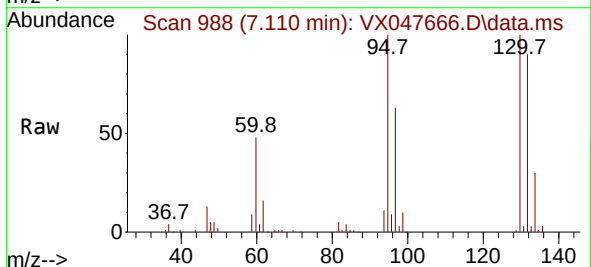


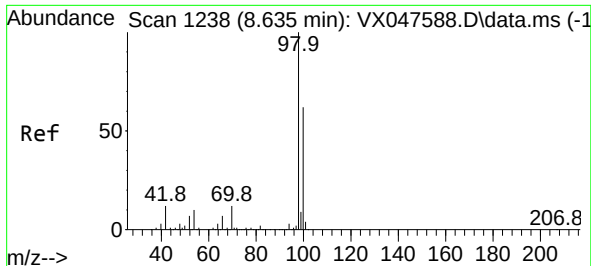
Tgt Ion:117 Resp: 20687  
Ion Ratio Lower Upper  
117 100  
119 5.0 73.4 110.2#  
121 0.0 23.8 35.6#



#44  
Trichloroethene  
Concen: 58.124 ug/l  
RT: 7.110 min Scan# 988  
Delta R.T. -0.000 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

Tgt Ion:130 Resp: 144090  
Ion Ratio Lower Upper  
130 100  
95 99.5 0.0 210.8

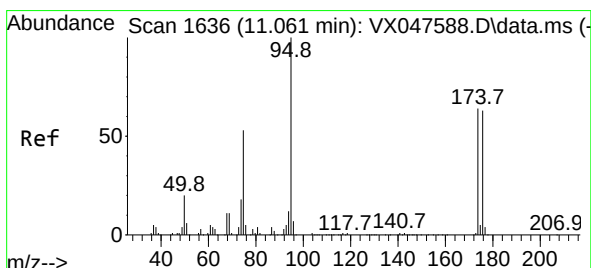
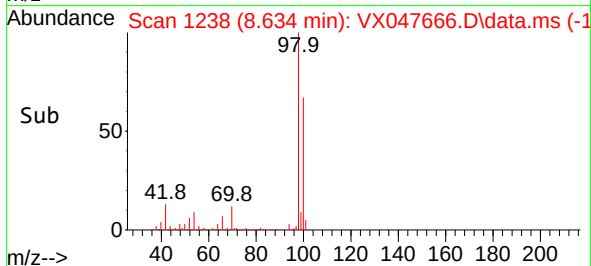
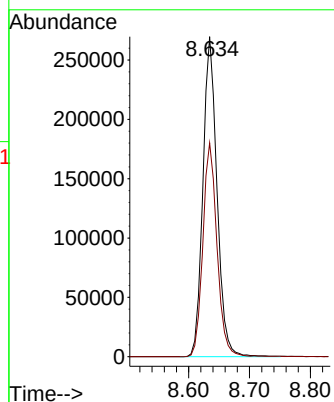
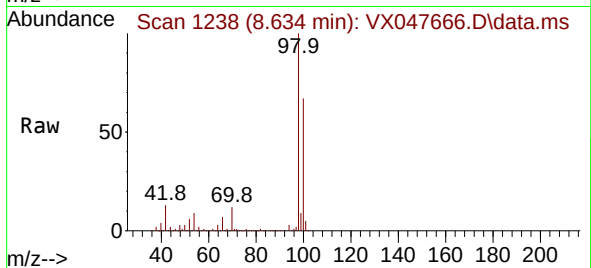




#50  
Toluene-d8  
Concen: 54.302 ug/l  
RT: 8.634 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

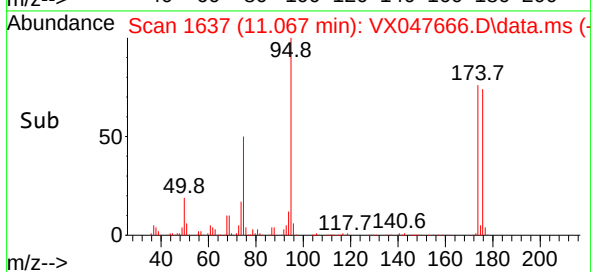
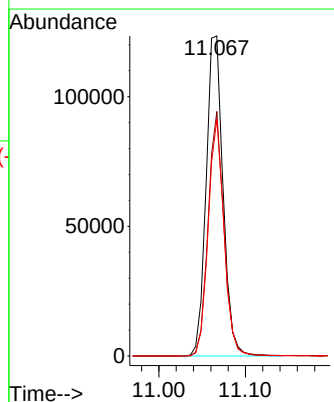
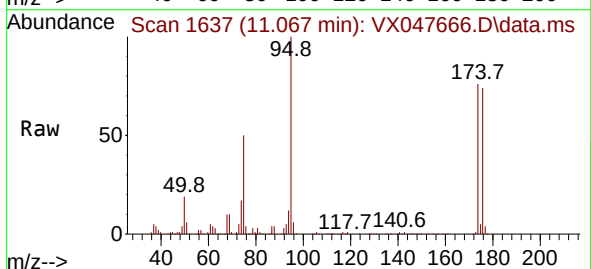
Instrument :  
MSVOA\_X  
ClientSampleId :

Tgt Ion: 98 Resp: 434109  
Ion Ratio Lower Upper  
98 100  
100 66.9 53.0 79.4

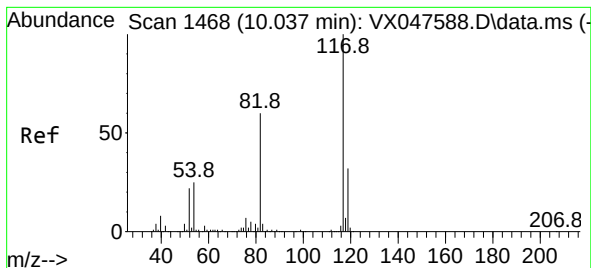


#62  
4-Bromofluorobenzene  
Concen: 55.199 ug/l  
RT: 11.067 min Scan# 1637  
Delta R.T. 0.006 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

Tgt Ion: 95 Resp: 167474  
Ion Ratio Lower Upper  
95 100  
174 71.3 0.0 141.6  
176 69.1 0.0 138.4







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

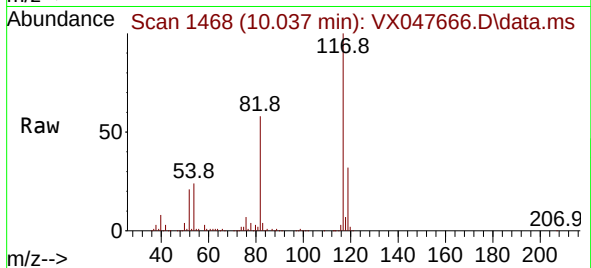
Lab File: VX047666.D

Acq: 19 Sep 2025 11:47

Instrument :

MSVOA\_X

ClientSampleId :



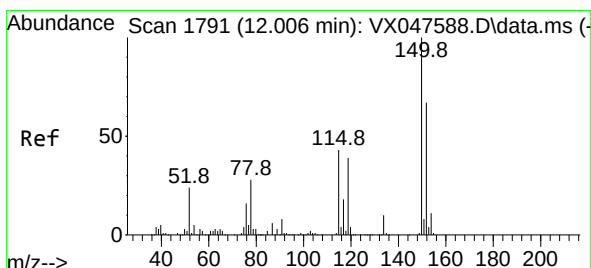
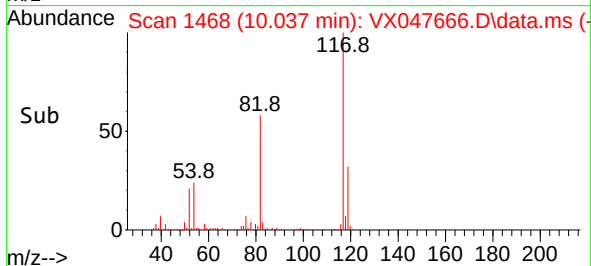
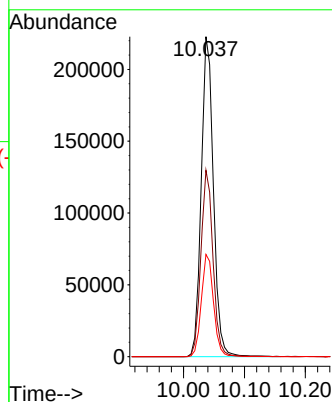
Tgt Ion:117 Resp: 309572

Ion Ratio Lower Upper

117 100

82 58.3 47.8 71.6

119 31.9 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: VX047666.D

Acq: 19 Sep 2025 11:47

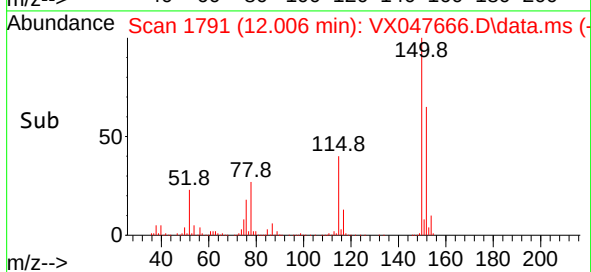
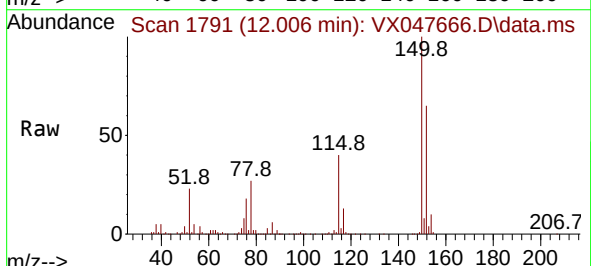
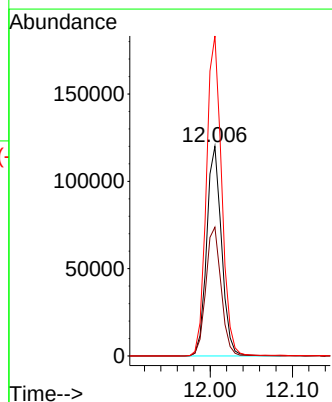
Tgt Ion:152 Resp: 151017

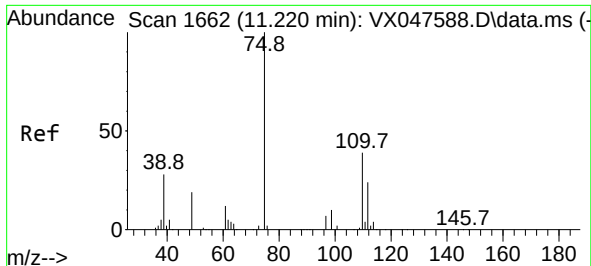
Ion Ratio Lower Upper

152 100

115 63.1 44.9 134.5

150 157.1 0.0 352.0

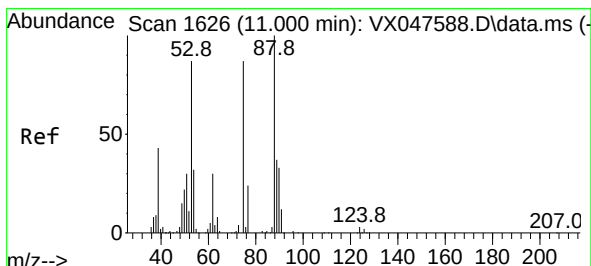
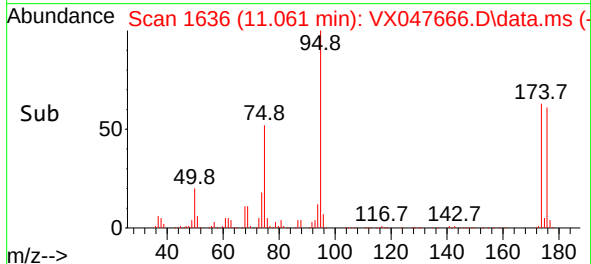
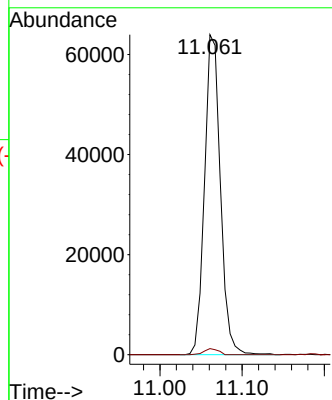
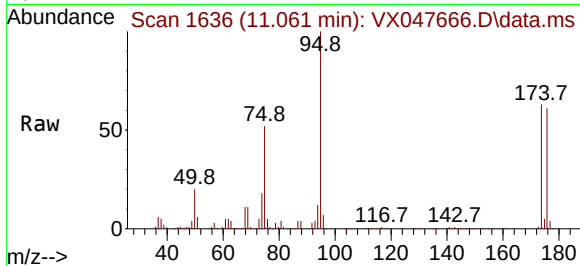




#76  
1,2,3-Trichloropropane  
Concen: 27.996 ug/l  
RT: 11.061 min Scan# 11  
Delta R.T. -0.159 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

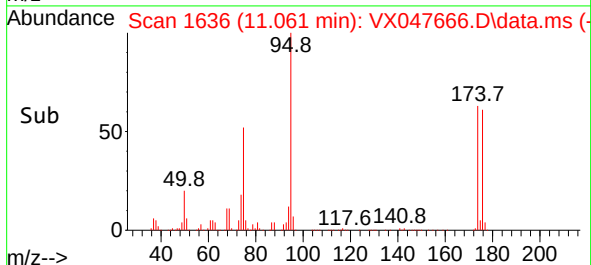
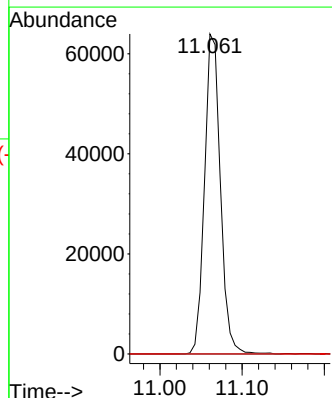
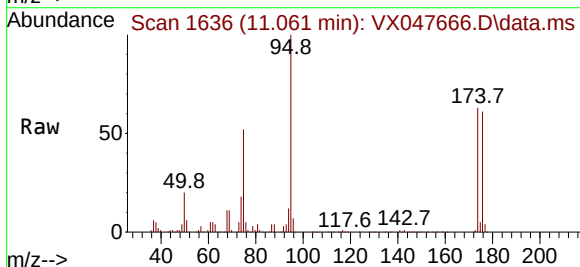
Instrument :  
MSVOA\_X  
ClientSampleId :

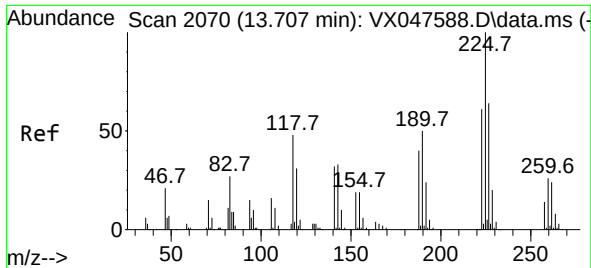
Tgt Ion: 75 Resp: 85601  
Ion Ratio Lower Upper  
75 100  
77 1.7 18.8 56.4#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 71.394 ug/l  
RT: 11.061 min Scan# 1636  
Delta R.T. 0.061 min  
Lab File: VX047666.D  
Acq: 19 Sep 2025 11:47

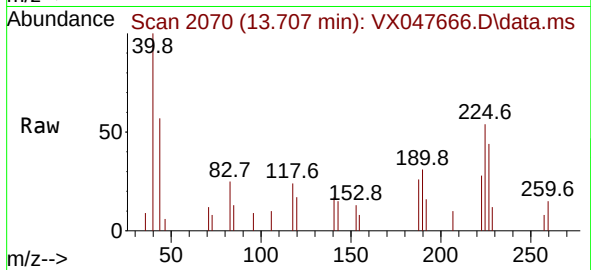
Tgt Ion: 75 Resp: 85601  
Ion Ratio Lower Upper  
75 100  
53 0.0 83.4 125.2#  
89 0.0 36.3 54.5#





#94  
 Hexachlorobutadiene  
 Concen: 0.500 ug/l  
 RT: 13.707 min Scan# 20  
 Delta R.T. -0.000 min  
 Lab File: VX047666.D  
 Acq: 19 Sep 2025 11:47

Instrument :  
 MSVOA\_X  
 ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 552   |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 54.3  | 31.7  | 95.1  |
| 227      | 65.4  | 32.0  | 96.0  |

