

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080525\  
 Data File : VW032019.D  
 Acq On : 05 Aug 2025 17:31  
 Operator : SY/MD  
 Sample : Q2780-07  
 Misc : 3.47g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-1-VOC

Quant Time: Aug 06 03:57:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Jul 23 08:18:46 2025  
 Response via : Initial Calibration

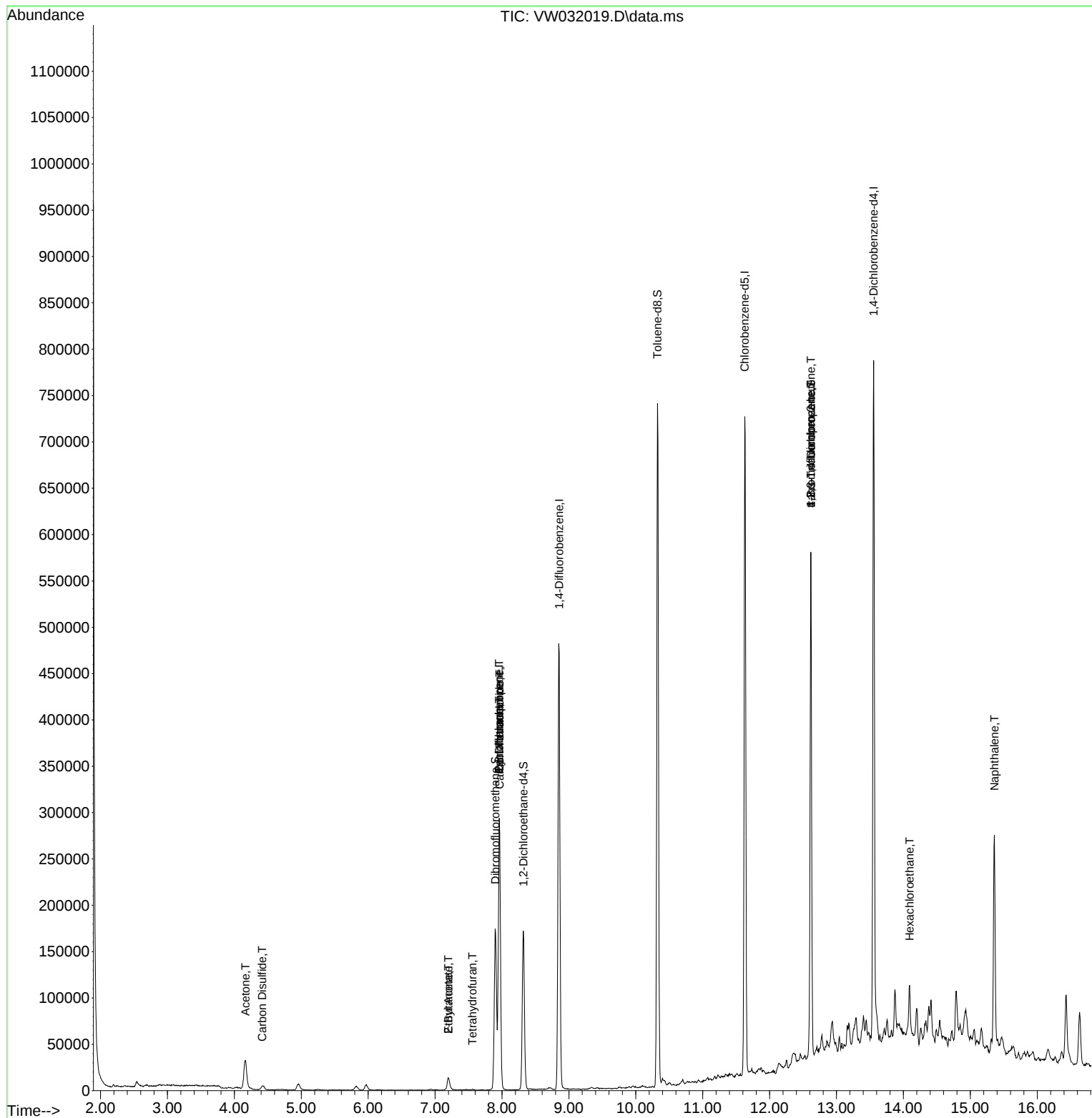
| Compound                      | R.T.   | QIon           | Response | Conc      | Units   | Dev(Min) |
|-------------------------------|--------|----------------|----------|-----------|---------|----------|
| -----                         |        |                |          |           |         |          |
| Internal Standards            |        |                |          |           |         |          |
| 1) Pentafluorobenzene         | 7.959  | 168            | 197277   | 50.000    | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855  | 114            | 415550   | 50.000    | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.629 | 117            | 387060   | 50.000    | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556 | 152            | 186021   | 50.000    | ug/l    | 0.00     |
| System Monitoring Compounds   |        |                |          |           |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.319  | 65             | 141168   | 47.304    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 63 - 155 | Recovery | =         | 94.600% |          |
| 35) Dibromofluoromethane      | 7.898  | 113            | 128012   | 45.335    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 70 - 134 | Recovery | =         | 90.660% |          |
| 50) Toluene-d8                | 10.325 | 98             | 499642   | 46.753    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 74 - 123 | Recovery | =         | 93.500% |          |
| 62) 4-Bromofluorobenzene      | 12.617 | 95             | 188246   | 45.874    | ug/l    | 0.00     |
| Spiked Amount                 | 50.000 | Range 17 - 146 | Recovery | =         | 91.740% |          |
| Target Compounds              |        |                |          |           |         |          |
|                               |        |                |          |           | Qvalue  |          |
| 13) Acrolein                  | 3.929  | 56             | 568      | Below Cal | #       | 67       |
| 16) Acetone                   | 4.167  | 43             | 59193    | 83.587    | ug/l    | 96       |
| 17) Carbon Disulfide          | 4.417  | 76             | 10529    | 1.543     | ug/l    | 98       |
| 20) Methylene Chloride        | 4.947  | 84             | 5690     | Below Cal |         | 96       |
| 25) 2-Butanone                | 7.197  | 43             | 22097    | 22.806    | ug/l    | 97       |
| 29) Tetrahydrofuran           | 7.557  | 42             | 636      | 1.001     | ug/l #  | 52       |
| 31) Cyclohexane               | 7.959  | 56             | 5016     | 1.096     | ug/l #  | 1        |
| 36) 1,1-Dichloropropene       | 7.959  | 75             | 18915    | 4.362     | ug/l #  | 50       |
| 37) Ethyl Acetate             | 7.197  | 43             | 22097    | 8.933     | ug/l #  | 69       |
| 38) Carbon Tetrachloride      | 7.965  | 117            | 23993    | 5.765     | ug/l #  | 17       |
| 76) 1,2,3-Trichloropropane    | 12.617 | 75             | 97492    | 37.960    | ug/l #  | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.617 | 75             | 97492    | 87.638    | ug/l #  | 8        |
| 90) Hexachloroethane          | 14.092 | 117            | 2741     | 1.108     | ug/l #  | 42       |
| 95) Naphthalene               | 15.360 | 128            | 205120   | 21.474    | ug/l    | 98       |
| -----                         |        |                |          |           |         |          |

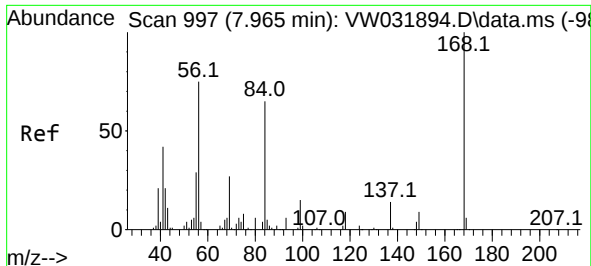
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW080525\  
Data File : VW032019.D  
Acq On : 05 Aug 2025 17:31  
Operator : SY/MD  
Sample : Q2780-07  
Misc : 3.47g/5mL/MSVOA\_W/SOIL/A  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

Quant Time: Aug 06 03:57:29 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W072225S.M  
Quant Title : SW846 8260  
QLast Update : Wed Jul 23 08:18:46 2025  
Response via : Initial Calibration

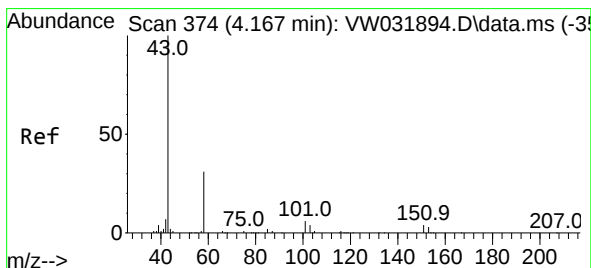
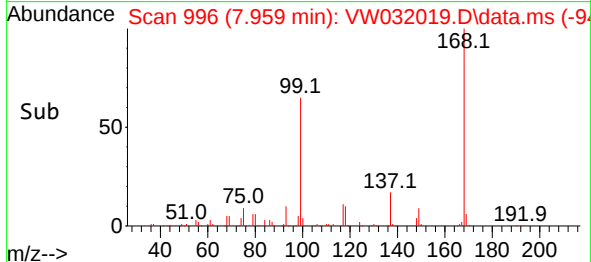
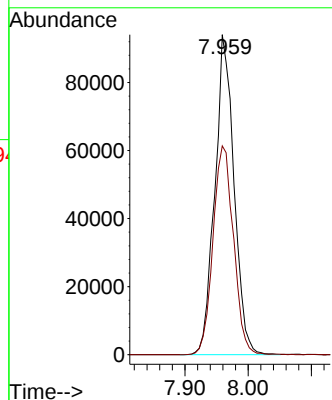
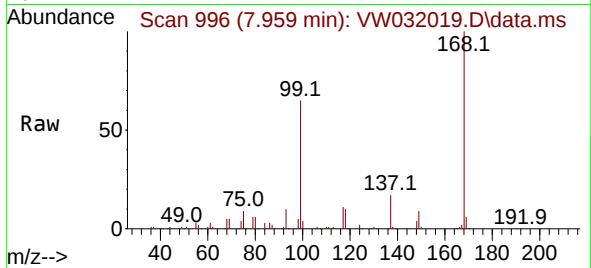




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.959 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

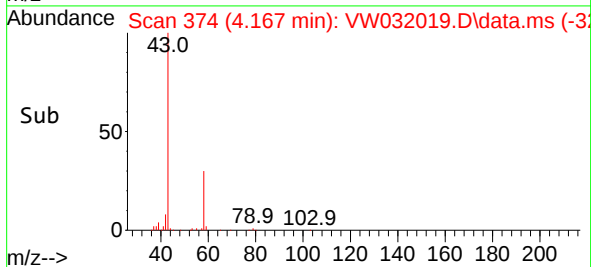
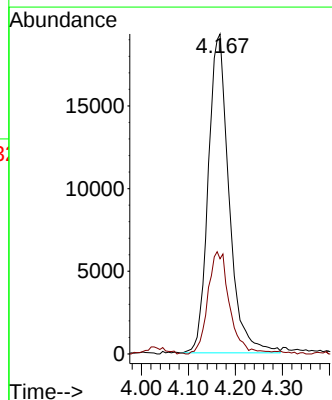
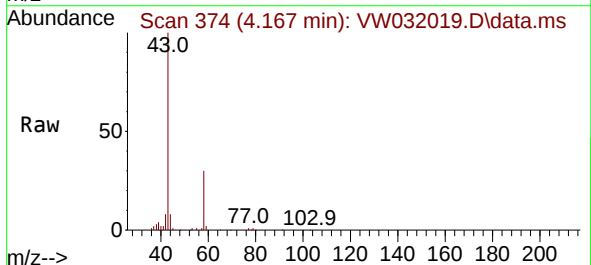
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

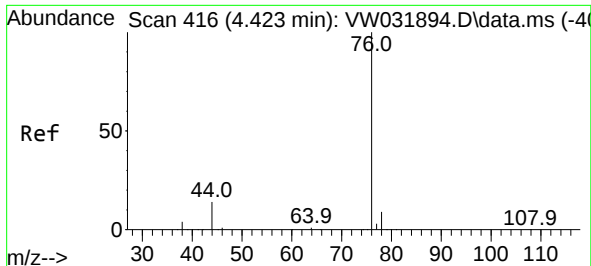
Tgt Ion:168 Resp: 197277  
Ion Ratio Lower Upper  
168 100  
99 65.3 48.2 72.2



#16  
Acetone  
Concen: 83.587 ug/l  
RT: 4.167 min Scan# 374  
Delta R.T. -0.000 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

Tgt Ion: 43 Resp: 59193  
Ion Ratio Lower Upper  
43 100  
58 29.5 25.5 38.3

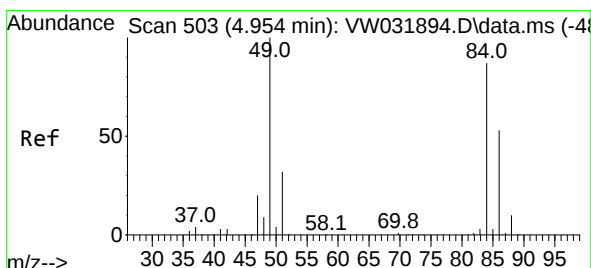
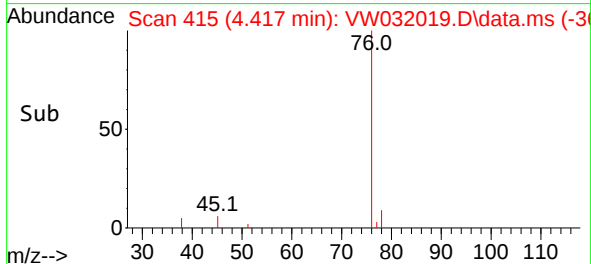
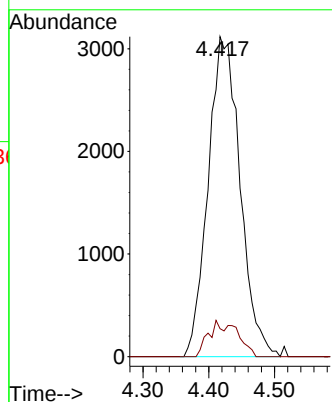
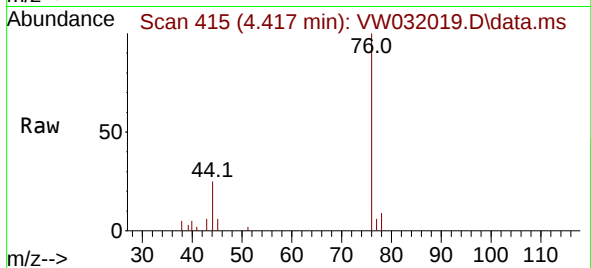




#17  
Carbon Disulfide  
Concen: 1.543 ug/l  
RT: 4.417 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

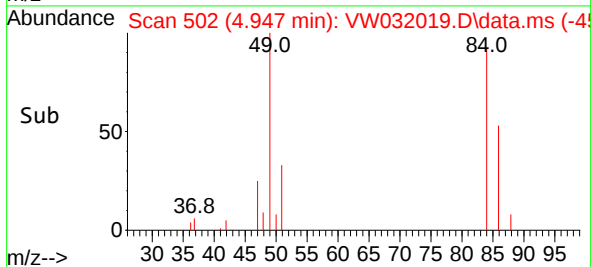
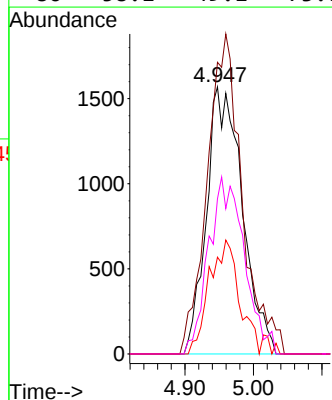
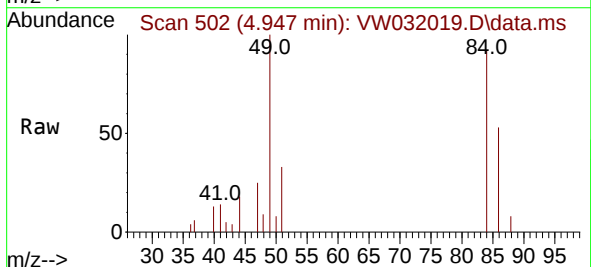
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

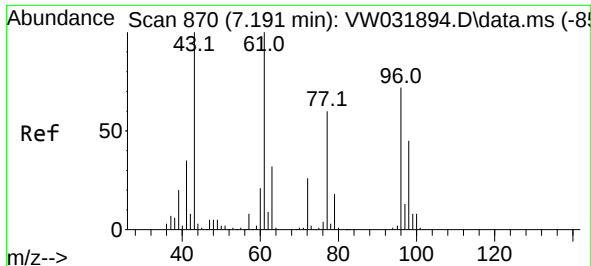
Tgt Ion: 76 Resp: 10529  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.5 11.3



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.947 min Scan# 502  
Delta R.T. -0.007 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

Tgt Ion: 84 Resp: 5690  
Ion Ratio Lower Upper  
84 100  
49 109.2 91.9 137.9  
51 36.3 29.0 43.6  
86 58.1 49.1 73.7

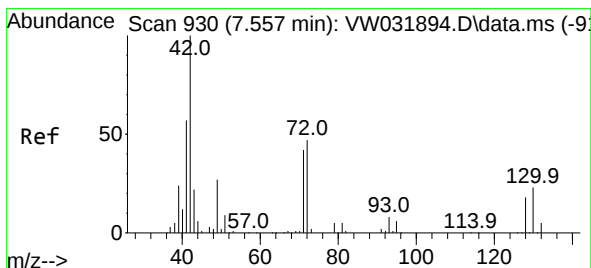
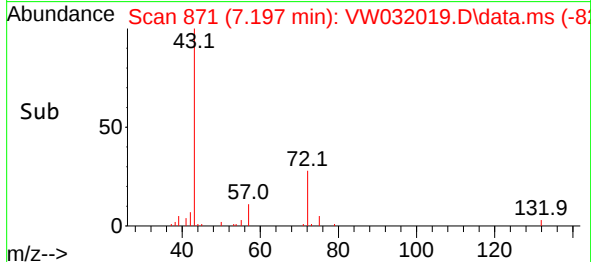
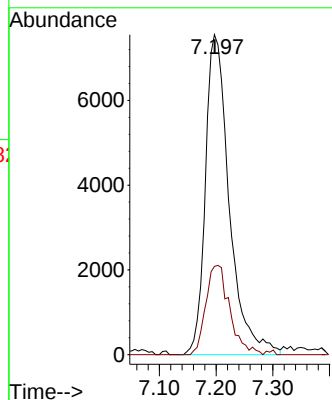
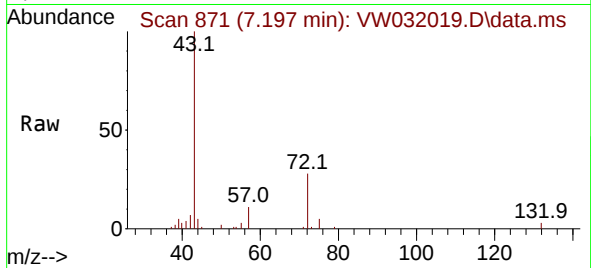




#25  
2-Butanone  
Concen: 22.806 ug/l  
RT: 7.197 min Scan# 871  
Delta R.T. 0.006 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

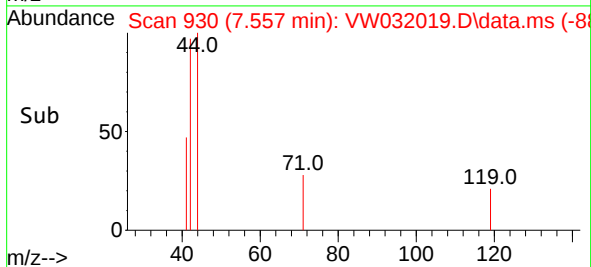
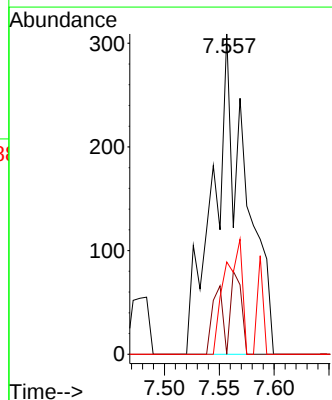
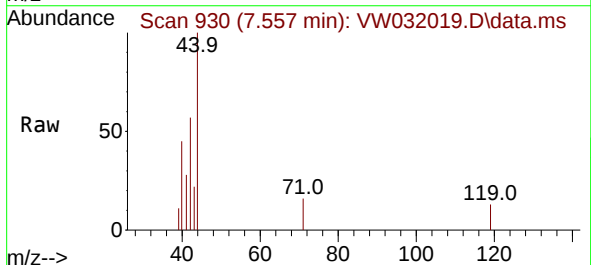
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

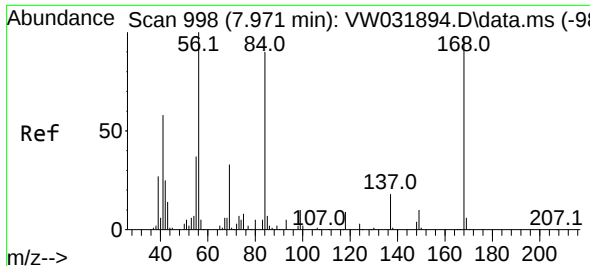
Tgt Ion: 43 Resp: 22097  
Ion Ratio Lower Upper  
43 100  
72 27.6 20.8 31.2



#29  
Tetrahydrofuran  
Concen: 1.001 ug/l  
RT: 7.557 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

Tgt Ion: 42 Resp: 636  
Ion Ratio Lower Upper  
42 100  
72 8.5 37.0 55.6#  
71 19.2 34.5 51.7#

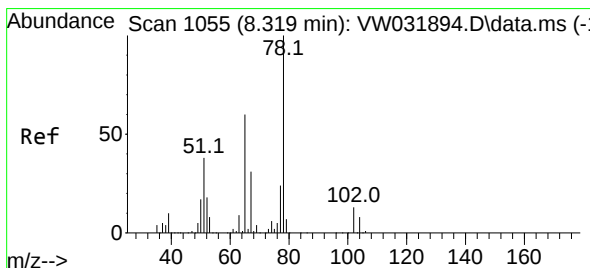
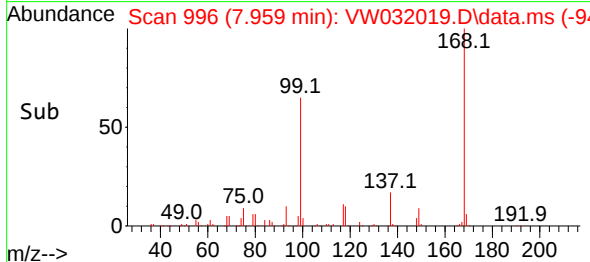
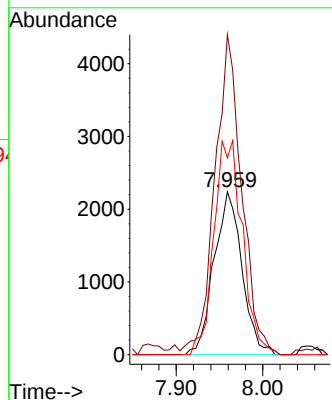
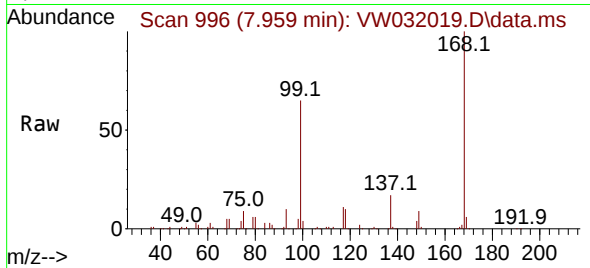




#31  
Cyclohexane  
Concen: 1.096 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

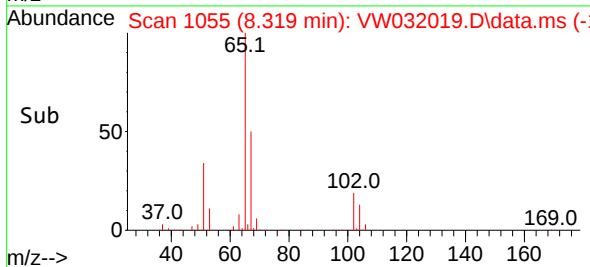
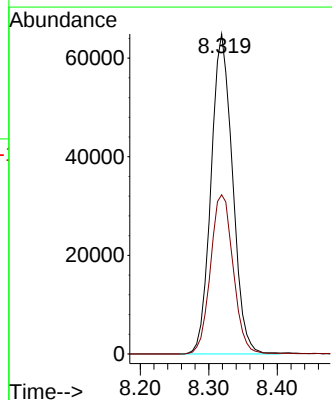
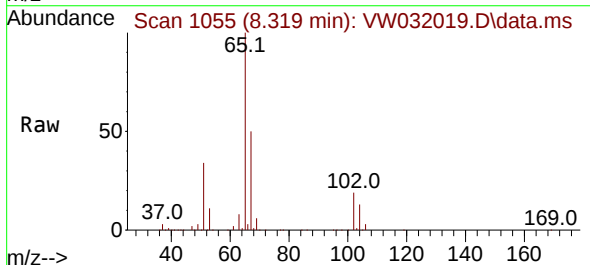
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

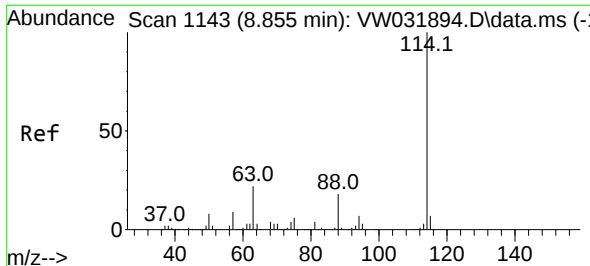
Tgt Ion: 56 Resp: 5016  
Ion Ratio Lower Upper  
56 100  
69 196.4 26.7 40.1#  
84 120.8 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 47.304 ug/l  
RT: 8.319 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

Tgt Ion: 65 Resp: 141168  
Ion Ratio Lower Upper  
65 100  
67 52.5 0.0 101.4

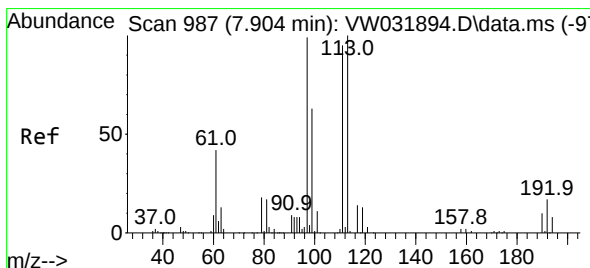
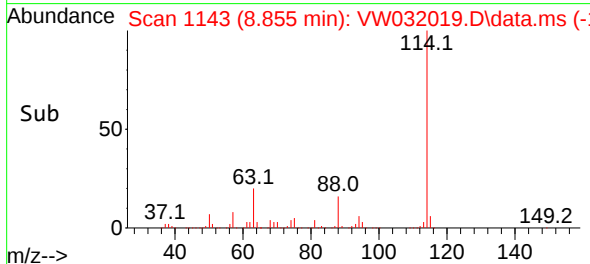
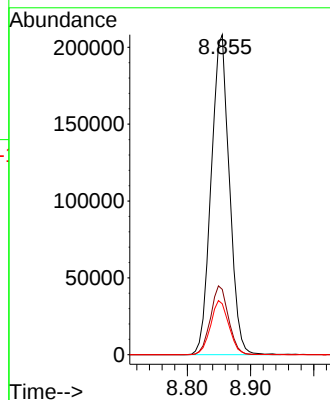
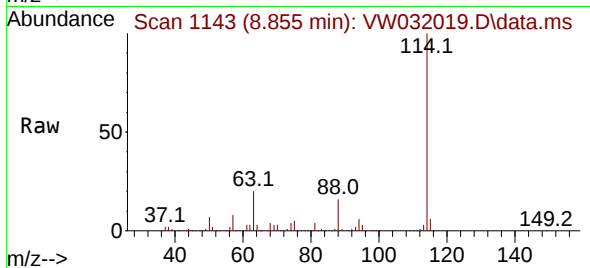




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.855 min Scan# 1143  
Delta R.T. -0.000 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

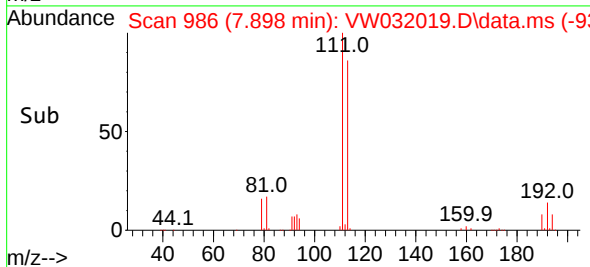
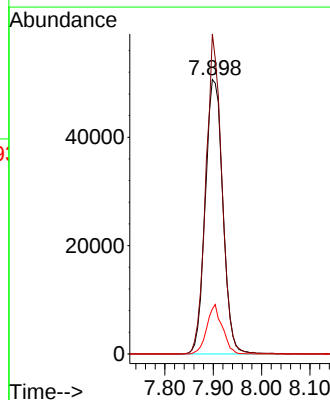
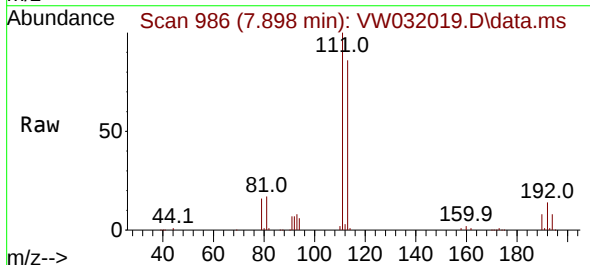
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

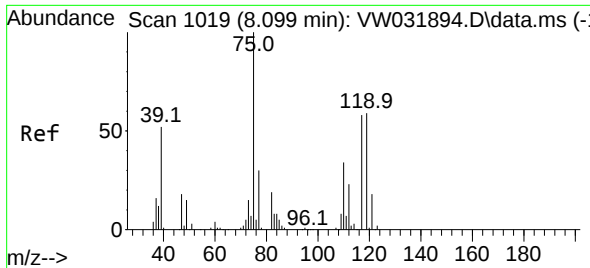
Tgt Ion:114 Resp: 415550  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 44.2  
88 15.9 0.0 35.6



#35  
Dibromofluoromethane  
Concen: 45.335 ug/l  
RT: 7.898 min Scan# 986  
Delta R.T. -0.006 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

Tgt Ion:113 Resp: 128012  
Ion Ratio Lower Upper  
113 100  
111 105.6 79.9 119.9  
192 15.8 12.6 19.0

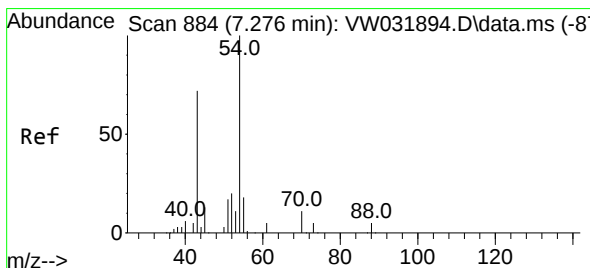
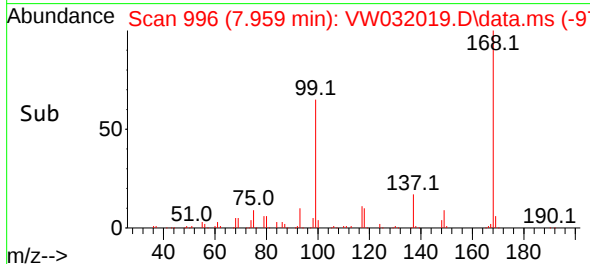
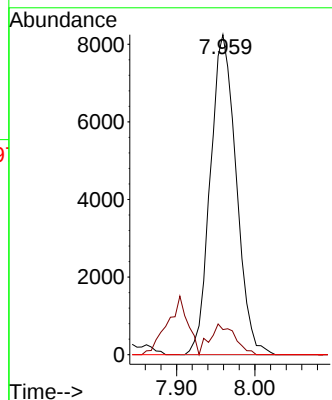
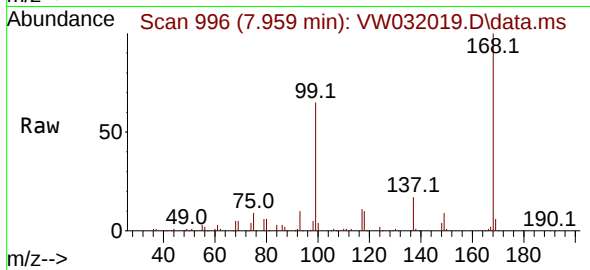




#36  
 1,1-Dichloropropene  
 Concen: 4.362 ug/l  
 RT: 7.959 min Scan# 91  
 Delta R.T. -0.140 min  
 Lab File: VW032019.D  
 Acq: 05 Aug 2025 17:31

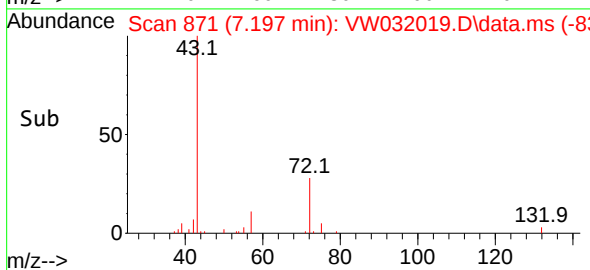
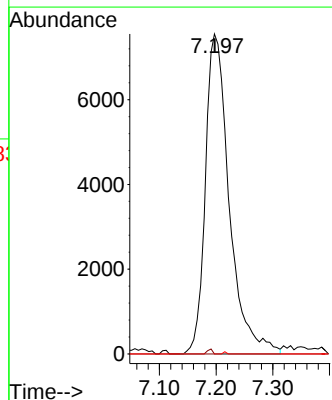
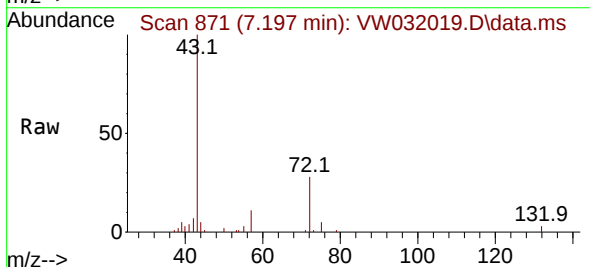
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-1-VOC

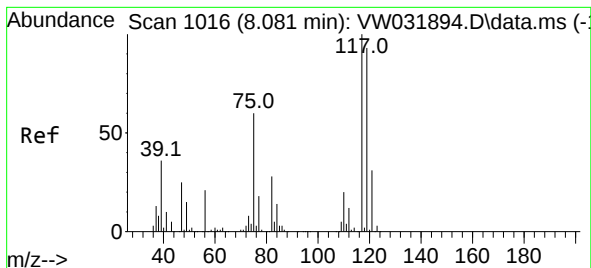
Tgt Ion: 75 Resp: 18915  
 Ion Ratio Lower Upper  
 75 100  
 110 9.2 17.0 50.9#  
 77 0.0 25.1 37.7#



#37  
 Ethyl Acetate  
 Concen: 8.933 ug/l  
 RT: 7.197 min Scan# 871  
 Delta R.T. -0.079 min  
 Lab File: VW032019.D  
 Acq: 05 Aug 2025 17:31

Tgt Ion: 43 Resp: 22097  
 Ion Ratio Lower Upper  
 43 100  
 61 0.3 10.6 15.8#  
 70 0.0 9.0 13.4#





#38

Carbon Tetrachloride

Concen: 5.765 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW032019.D

Acq: 05 Aug 2025 17:31

Instrument :

MSVOA\_W

ClientSampleId :

TP-1-VOC

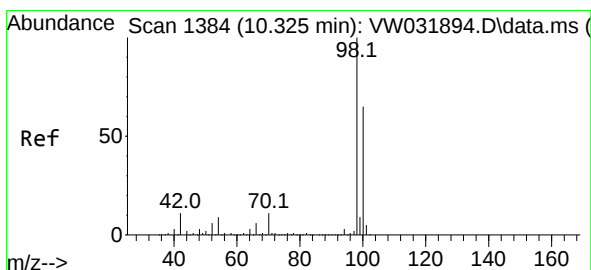
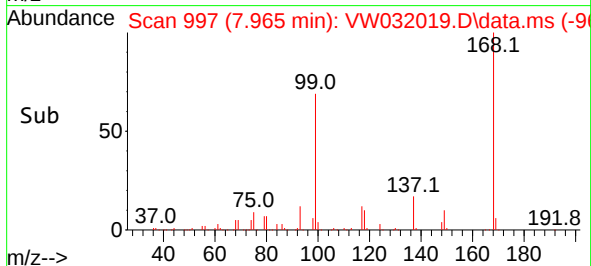
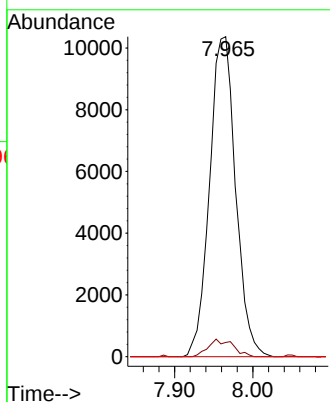
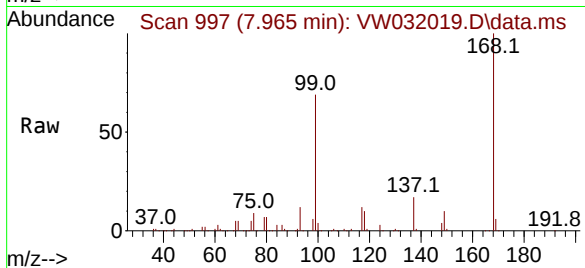
Tgt Ion:117 Resp: 23993

Ion Ratio Lower Upper

117 100

119 4.5 74.3 111.5#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 46.753 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032019.D

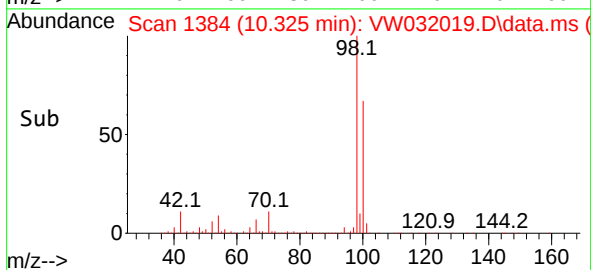
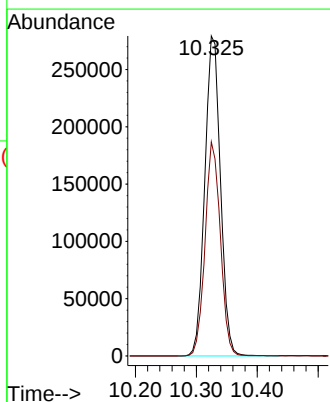
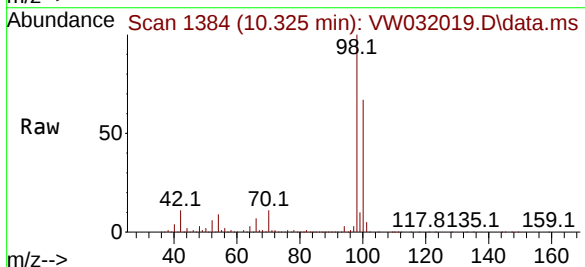
Acq: 05 Aug 2025 17:31

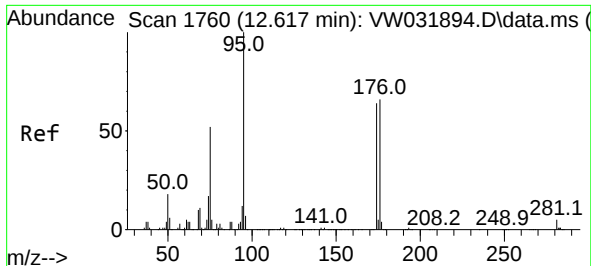
Tgt Ion: 98 Resp: 499642

Ion Ratio Lower Upper

98 100

100 65.3 51.7 77.5

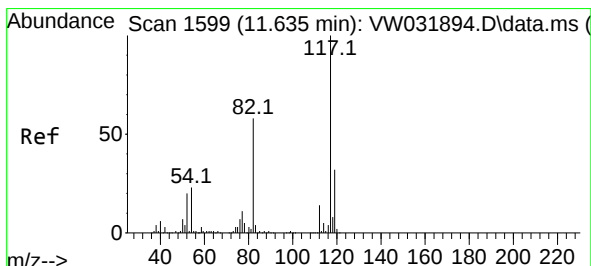
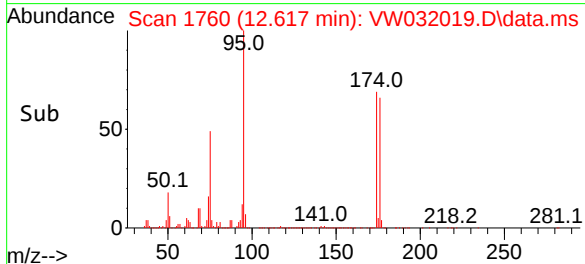
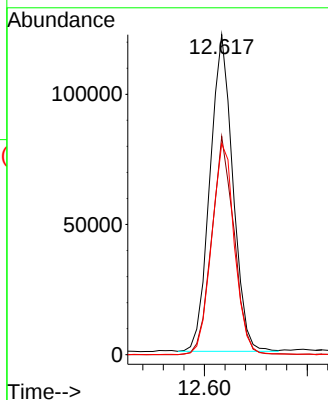
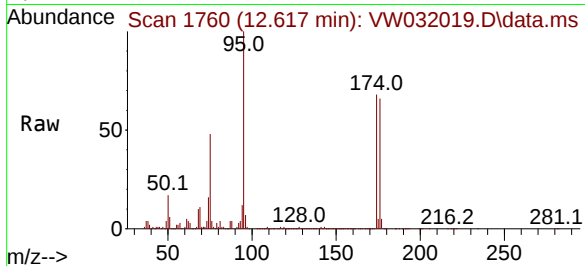




#62  
4-Bromofluorobenzene  
Concen: 45.874 ug/l  
RT: 12.617 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

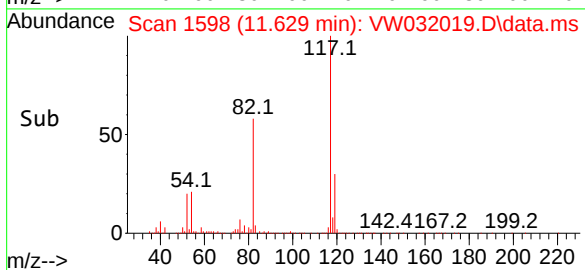
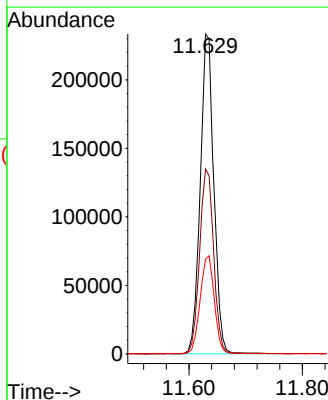
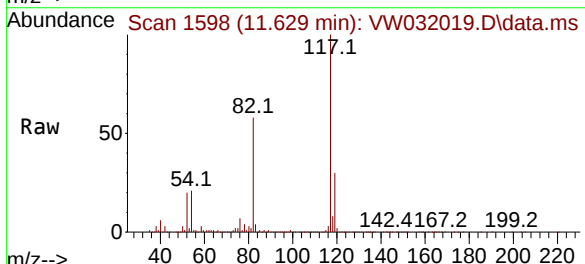
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

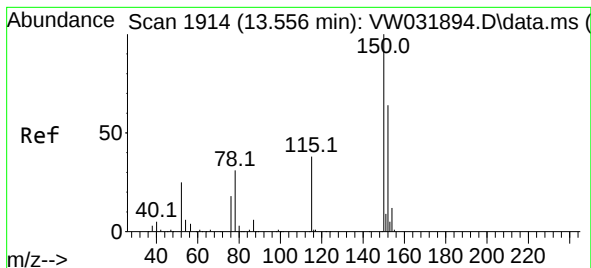
Tgt Ion: 95 Resp: 188246  
Ion Ratio Lower Upper  
95 100  
174 67.3 0.0 129.8  
176 66.9 0.0 130.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.629 min Scan# 1598  
Delta R.T. -0.006 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

Tgt Ion: 117 Resp: 387060  
Ion Ratio Lower Upper  
117 100  
82 57.8 46.5 69.7  
119 29.5 25.8 38.6

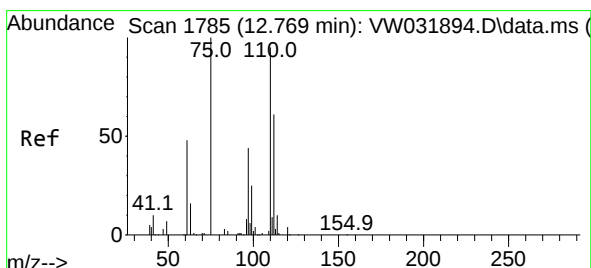
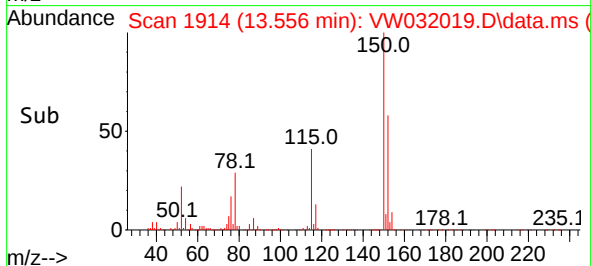
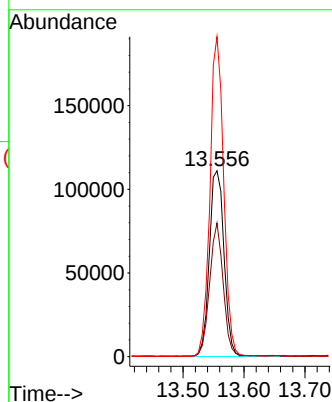
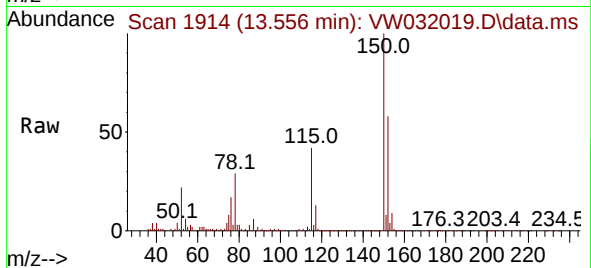




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.556 min Scan# 1914  
 Delta R.T. -0.000 min  
 Lab File: VW032019.D  
 Acq: 05 Aug 2025 17:31

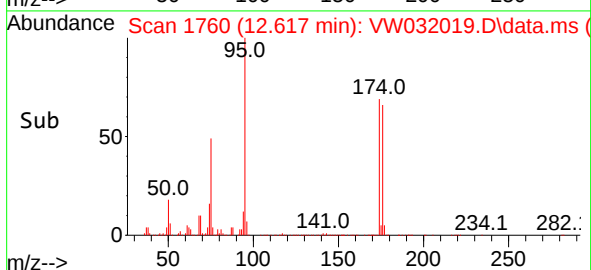
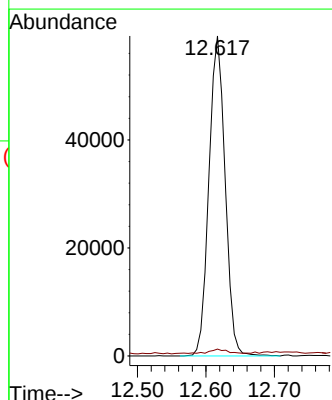
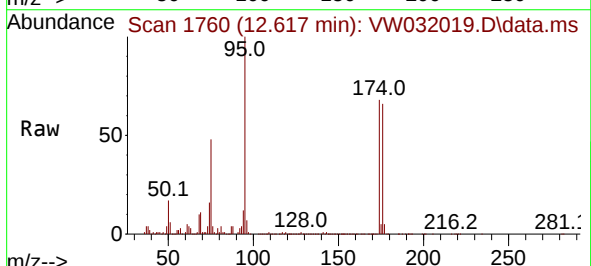
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-1-VOC

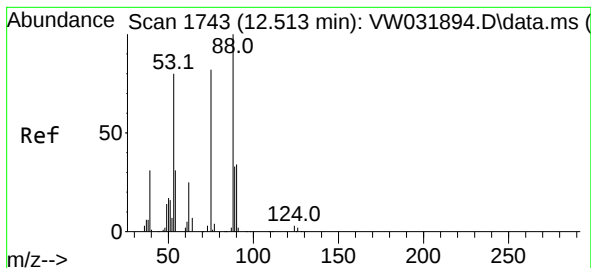
Tgt Ion:152 Resp: 186021  
 Ion Ratio Lower Upper  
 152 100  
 115 65.8 33.4 100.1  
 150 160.7 0.0 352.2



#76  
 1,2,3-Trichloropropane  
 Concen: 37.960 ug/l  
 RT: 12.617 min Scan# 1760  
 Delta R.T. -0.152 min  
 Lab File: VW032019.D  
 Acq: 05 Aug 2025 17:31

Tgt Ion: 75 Resp: 97492  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#

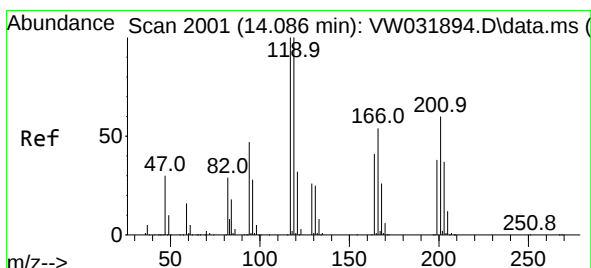
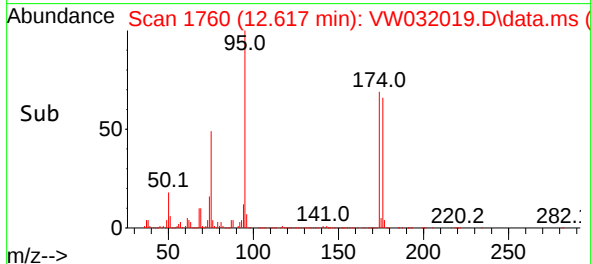
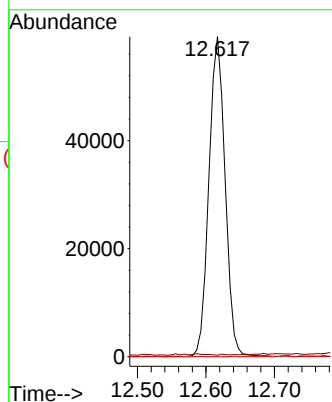
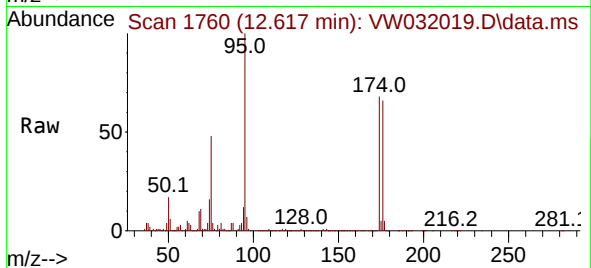




#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.638 ug/l  
RT: 12.617 min Scan# 11  
Delta R.T. 0.104 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

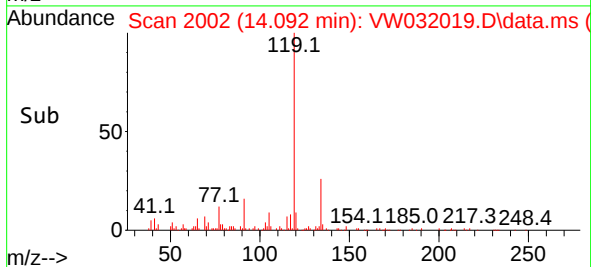
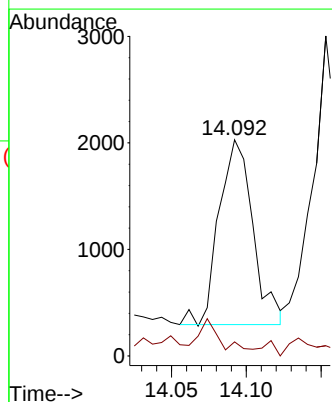
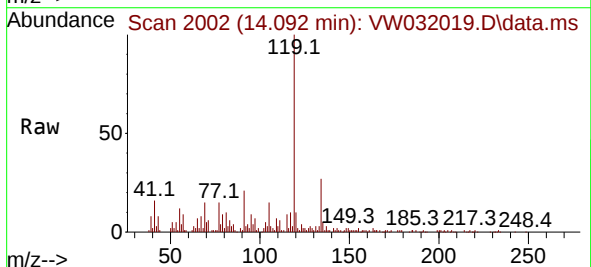
Instrument :  
MSVOA\_W  
ClientSampleId :  
TP-1-VOC

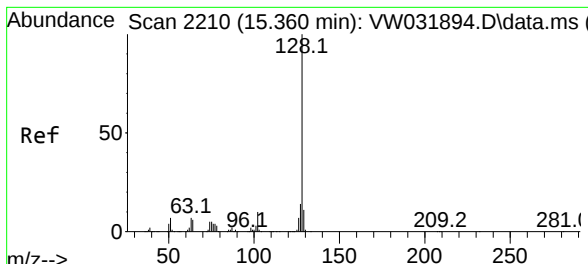
Tgt Ion: 75 Resp: 97492  
Ion Ratio Lower Upper  
75 100  
53 0.1 83.7 125.5#  
89 0.0 39.0 58.6#



#90  
Hexachloroethane  
Concen: 1.108 ug/l  
RT: 14.092 min Scan# 2002  
Delta R.T. 0.006 min  
Lab File: VW032019.D  
Acq: 05 Aug 2025 17:31

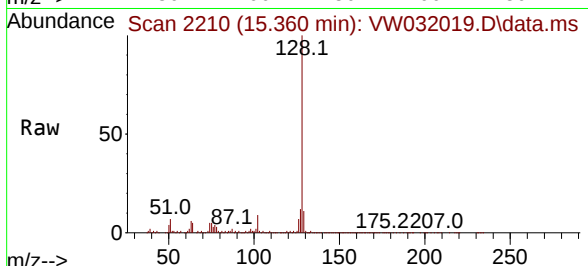
Tgt Ion: 117 Resp: 2741  
Ion Ratio Lower Upper  
117 100  
201 14.2 28.4 85.2#





#95  
 Naphthalene  
 Concen: 21.474 ug/l  
 RT: 15.360 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VW032019.D  
 Acq: 05 Aug 2025 17:31

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 TP-1-VOC



Tgt Ion:128 Resp: 205120

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.5  | 10.7  | 16.1  |
| 129 | 10.8  | 9.2   | 13.8  |

