

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW092625\  
 Data File : VW032282.D  
 Acq On : 26 Sep 2025 15:53  
 Operator : SY/MD  
 Sample : Q3231-03  
 Misc : 5.10g/5mL/MSVOA\_W/SOIL/A  
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Sep 29 08:40:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W092525S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 26 07:11:42 2025  
 Response via : Initial Calibration

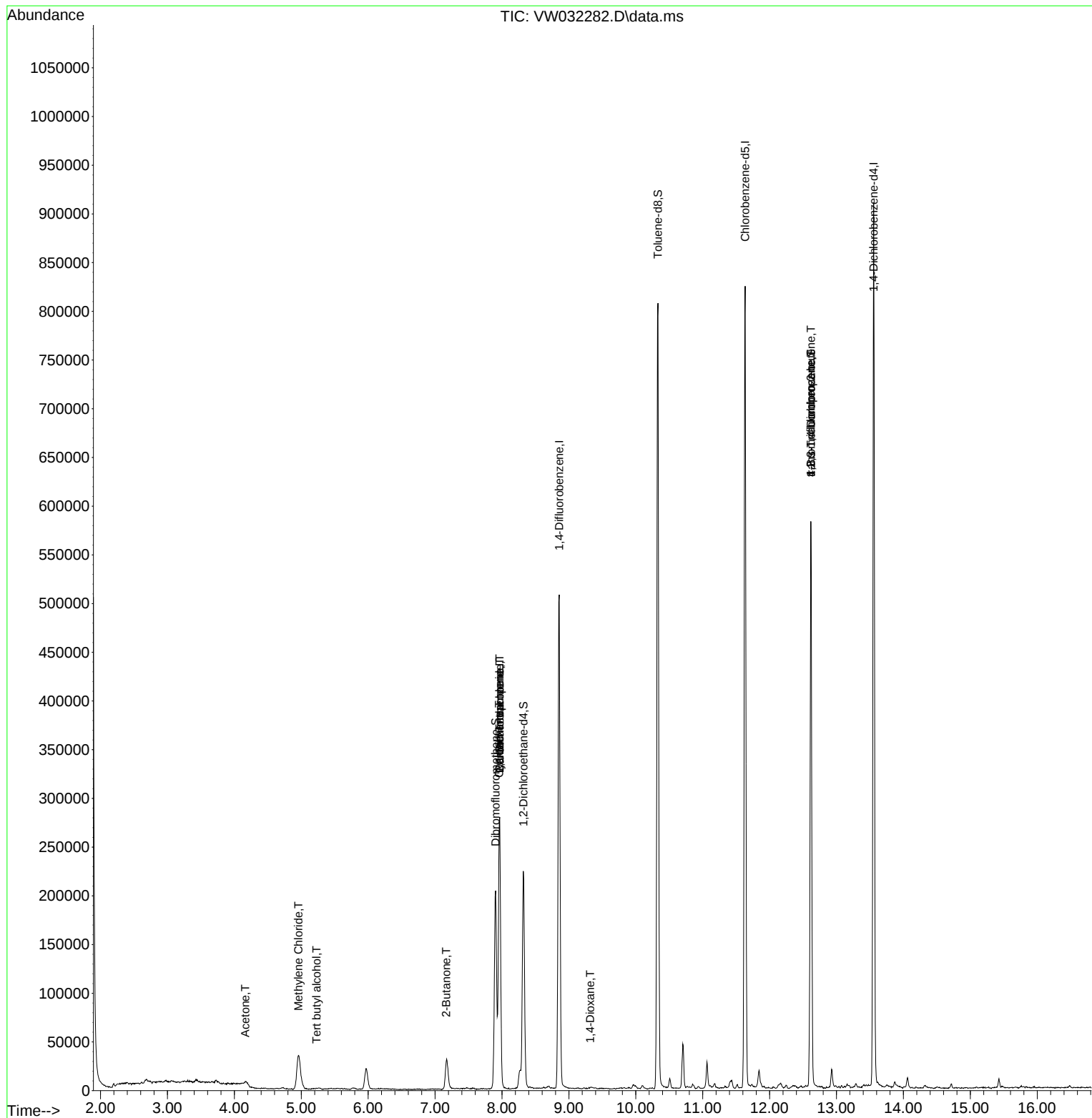
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) Pentafluorobenzene         | 7.965          | 168  | 199755              | 50.000 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.855          | 114  | 425160              | 50.000 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.635         | 117  | 454251              | 50.000 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.556         | 152  | 226015              | 50.000 | ug/l   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.319          | 65   | 184327              | 58.441 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 63 - 155 |      | Recovery = 116.880% |        |        |          |
| 35) Dibromofluoromethane      | 7.904          | 113  | 150251              | 49.140 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 134 |      | Recovery = 98.280%  |        |        |          |
| 50) Toluene-d8                | 10.331         | 98   | 546242              | 49.570 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 74 - 123 |      | Recovery = 99.140%  |        |        |          |
| 62) 4-Bromofluorobenzene      | 12.617         | 95   | 198880              | 47.846 | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 17 - 146 |      | Recovery = 95.700%  |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 11) Tert butyl alcohol        | 5.228          | 59   | 614                 | 2.804  | ug/l # | 71       |
| 16) Acetone                   | 4.161          | 43   | 3006                | 3.711  | ug/l # | 58       |
| 20) Methylene Chloride        | 4.960          | 84   | 33840               | 4.736  | ug/l   | 94       |
| 25) 2-Butanone                | 7.167          | 43   | 2231                | 1.976  | ug/l # | 78       |
| 31) Cyclohexane               | 7.959          | 56   | 5084                | 1.248  | ug/l # | 1        |
| 36) 1,1-Dichloropropene       | 7.965          | 75   | 19222               | 4.663  | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.965          | 117  | 21875               | 5.640  | ug/l # | 17       |
| 49) 1,4-Dioxane               | 9.319          | 88   | 40                  | 1.445  | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 12.617         | 75   | 102046              | 32.818 | ug/l # | 1        |
| 81) trans-1,4-Dichloro-2-b... | 12.617         | 75   | 102046              | 85.243 | ug/l # | 9        |
| -----                         |                |      |                     |        |        |          |

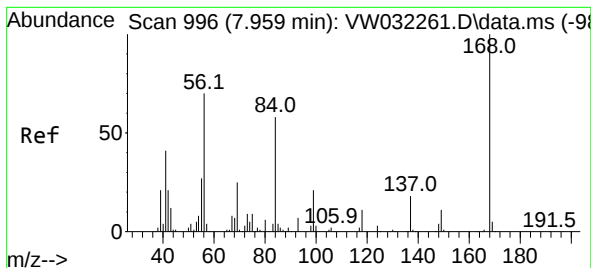
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_W  
ClientSampleId :  
WC-1-VOC

Quant Time: Sep 29 08:40:29 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\82W092525S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 26 07:11:42 2025  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. 0.006 min

Lab File: VW032282.D

Acq: 26 Sep 2025 15:53

Instrument :

MSVOA\_W

ClientSampleId :

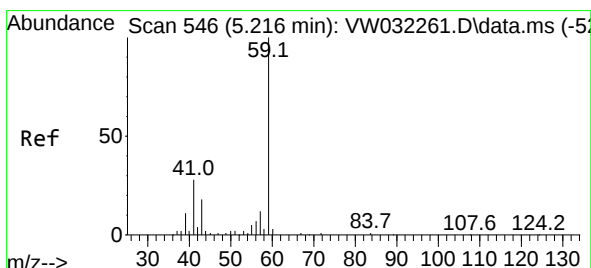
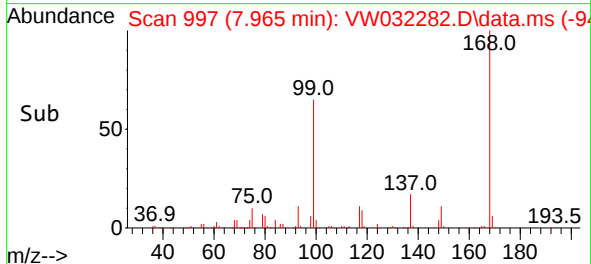
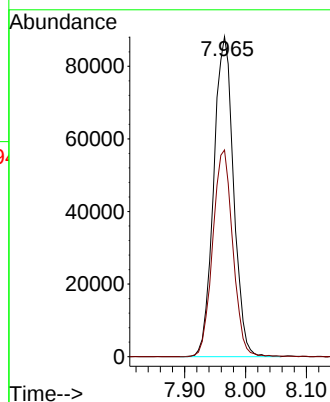
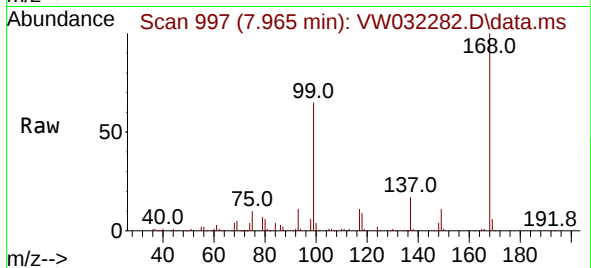
WC-1-VOC

Tgt Ion:168 Resp: 199755

Ion Ratio Lower Upper

168 100

99 64.6 55.0 82.4



#11

Tert butyl alcohol

Concen: 2.804 ug/l

RT: 5.228 min Scan# 548

Delta R.T. 0.012 min

Lab File: VW032282.D

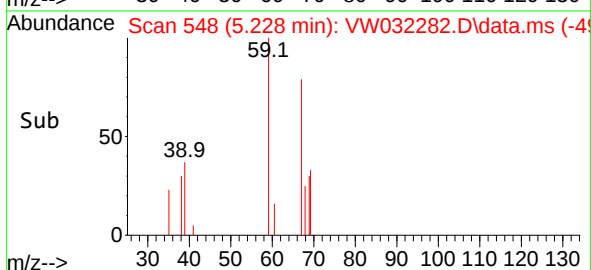
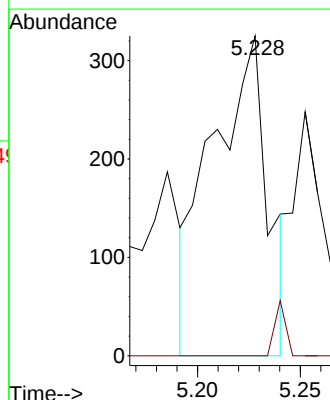
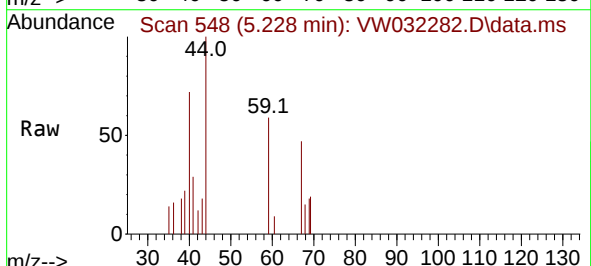
Acq: 26 Sep 2025 15:53

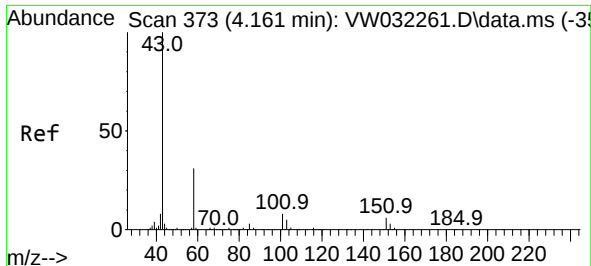
Tgt Ion: 59 Resp: 614

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#

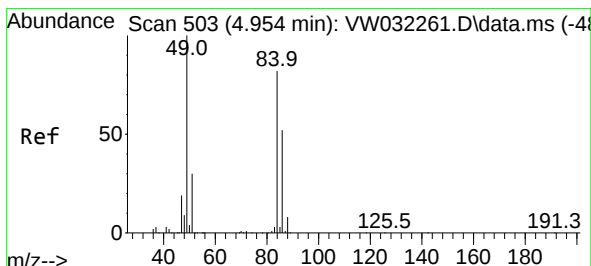
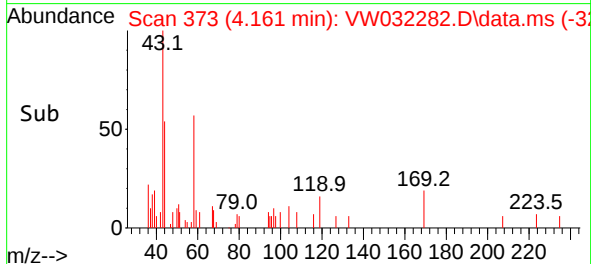
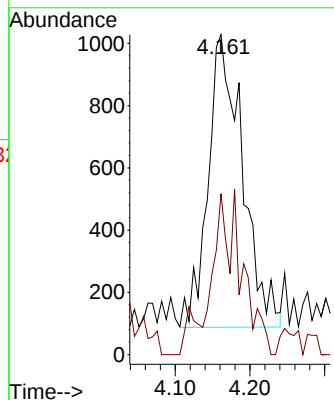
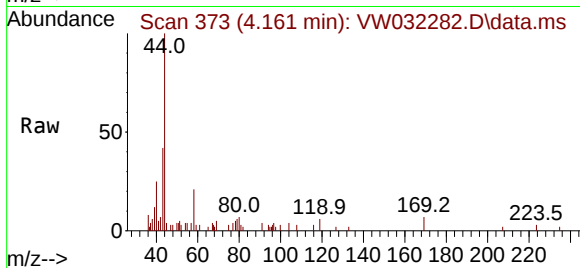




#16  
Acetone  
Concen: 3.711 ug/l  
RT: 4.161 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

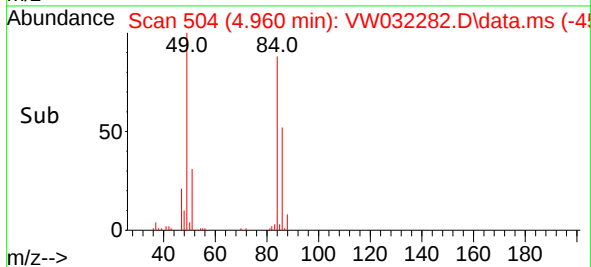
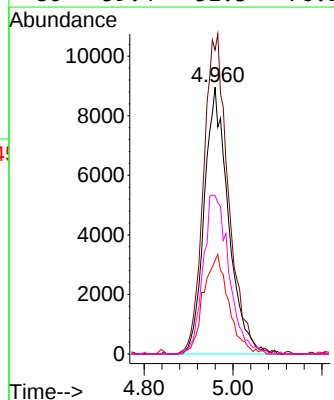
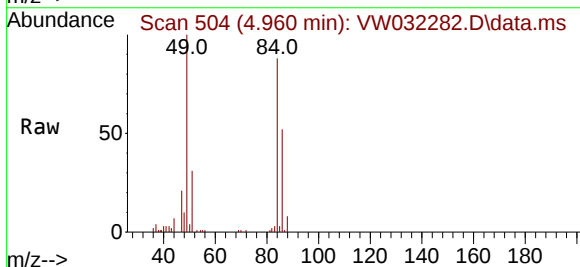
Instrument :  
MSVOA\_W  
ClientSampleId :  
WC-1-VOC

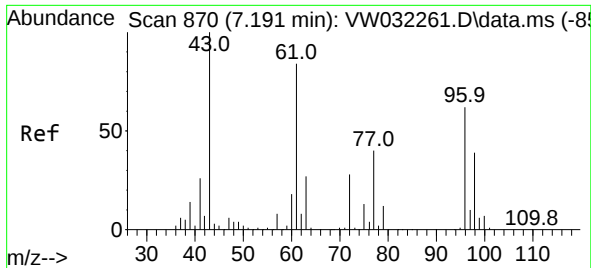
Tgt Ion: 43 Resp: 3006  
Ion Ratio Lower Upper  
43 100  
58 55.1 25.4 38.0#



#20  
Methylene Chloride  
Concen: 4.736 ug/l  
RT: 4.960 min Scan# 504  
Delta R.T. 0.006 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

Tgt Ion: 84 Resp: 33840  
Ion Ratio Lower Upper  
84 100  
49 113.9 97.8 146.6  
51 35.0 29.9 44.9  
86 59.4 51.3 76.9

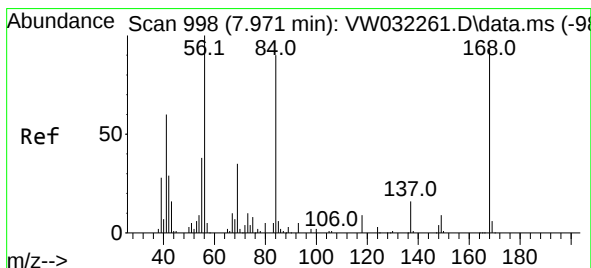
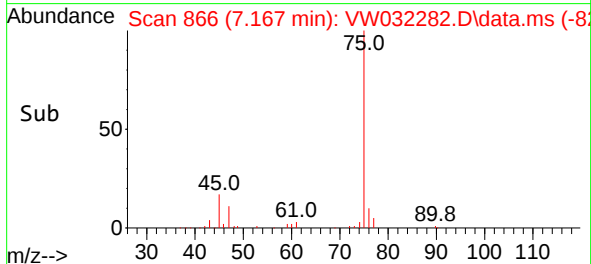
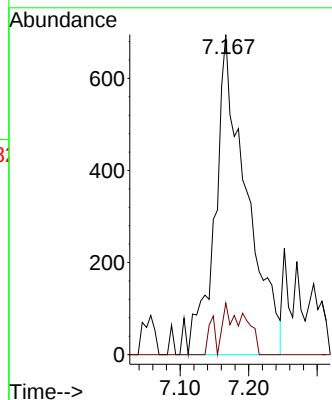
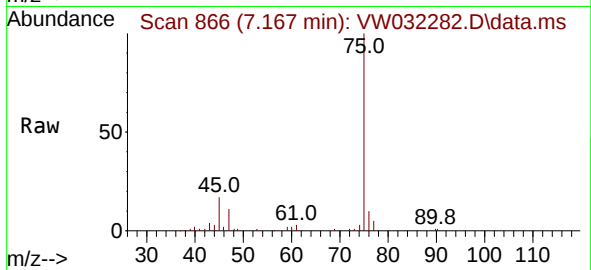




#25  
2-Butanone  
Concen: 1.976 ug/l  
RT: 7.167 min Scan# 80  
Delta R.T. -0.024 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

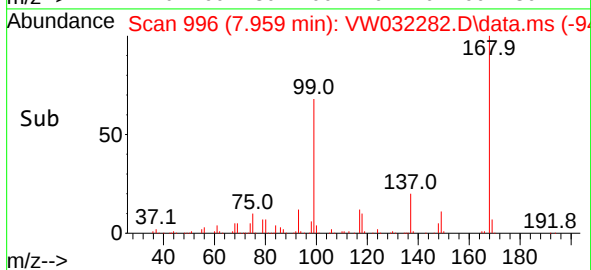
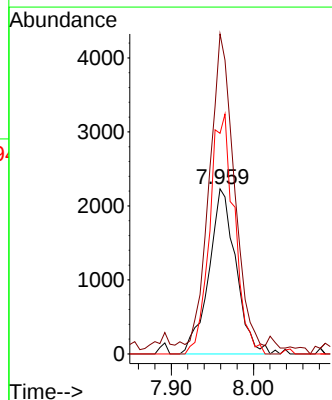
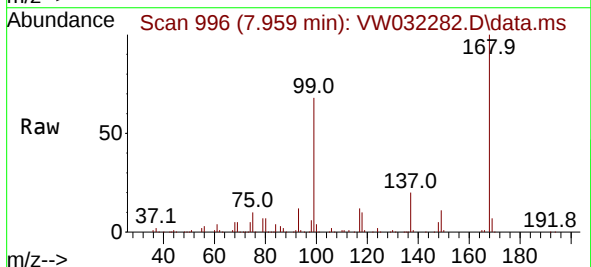
Instrument :  
MSVOA\_W  
ClientSampleId :  
WC-1-VOC

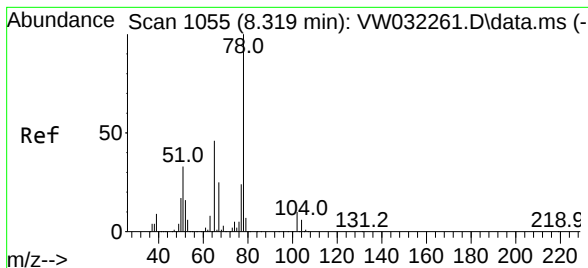
Tgt Ion: 43 Resp: 2231  
Ion Ratio Lower Upper  
43 100  
72 16.1 22.3 33.5#



#31  
Cyclohexane  
Concen: 1.248 ug/l  
RT: 7.959 min Scan# 996  
Delta R.T. -0.012 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

Tgt Ion: 56 Resp: 5084  
Ion Ratio Lower Upper  
56 100  
69 190.2 28.2 42.2#  
84 133.7 71.8 107.6#

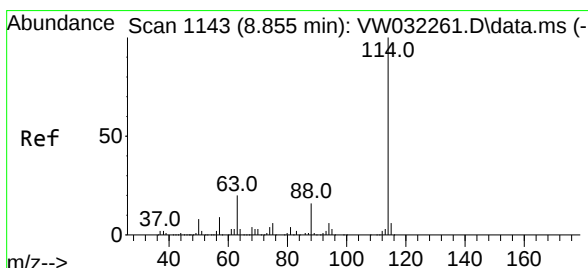
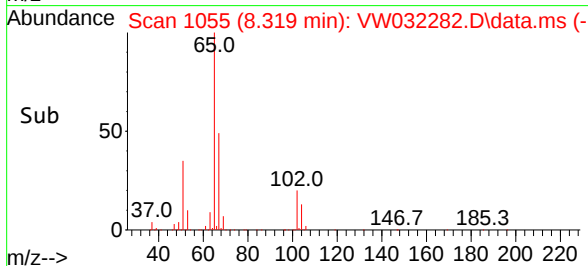
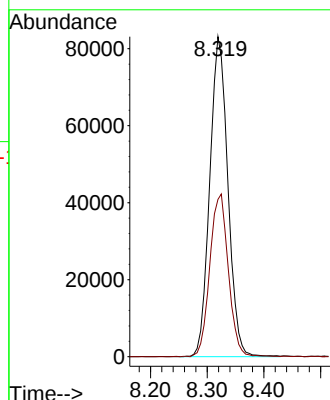
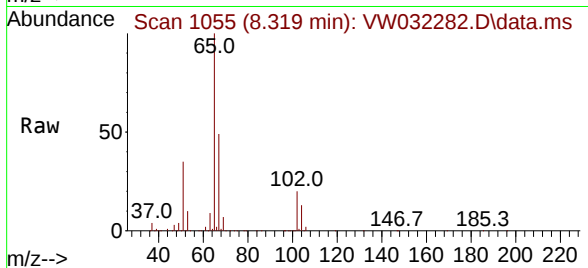




#33  
 1,2-Dichloroethane-d4  
 Concen: 58.441 ug/l  
 RT: 8.319 min Scan# 1055  
 Delta R.T. 0.000 min  
 Lab File: VW032282.D  
 Acq: 26 Sep 2025 15:53

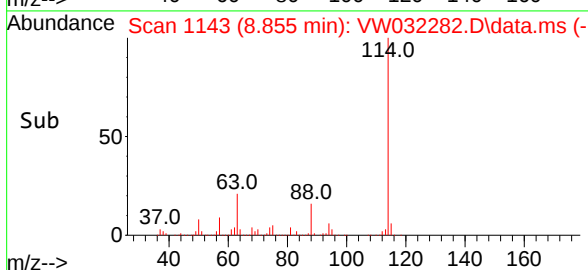
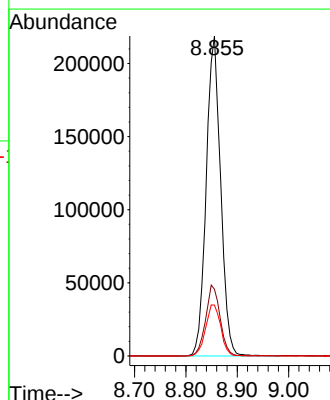
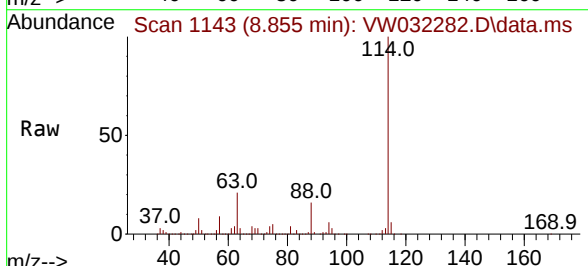
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WC-1-VOC

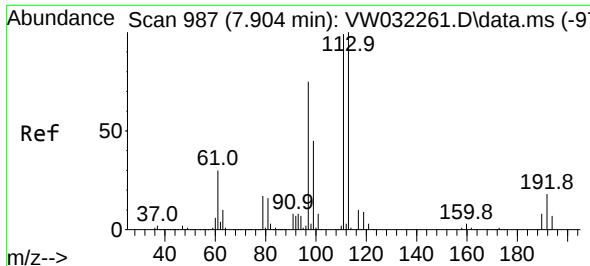
Tgt Ion: 65 Resp: 184327  
 Ion Ratio Lower Upper  
 65 100  
 67 52.0 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.855 min Scan# 1143  
 Delta R.T. 0.000 min  
 Lab File: VW032282.D  
 Acq: 26 Sep 2025 15:53

Tgt Ion: 114 Resp: 425160  
 Ion Ratio Lower Upper  
 114 100  
 63 20.9 0.0 40.2  
 88 15.9 0.0 32.0

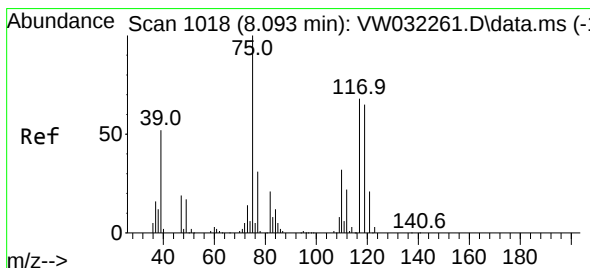
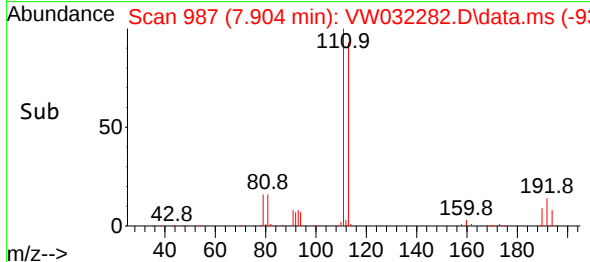
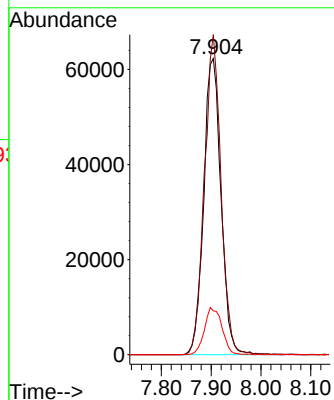
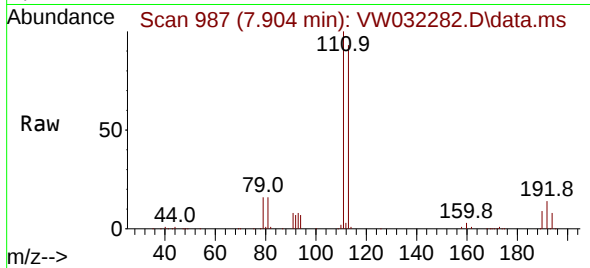




#35  
 Dibromofluoromethane  
 Concen: 49.140 ug/l  
 RT: 7.904 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VW032282.D  
 Acq: 26 Sep 2025 15:53

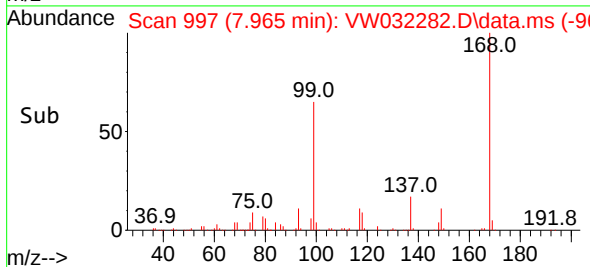
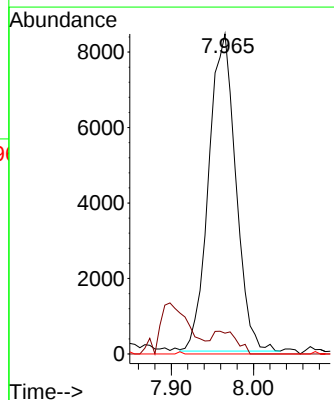
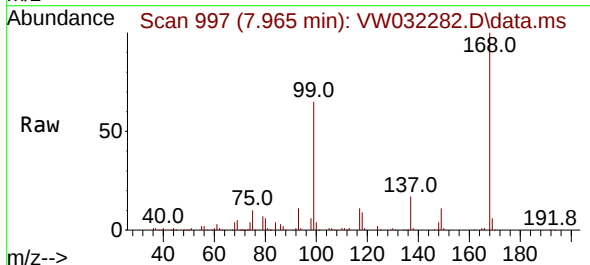
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 WC-1-VOC

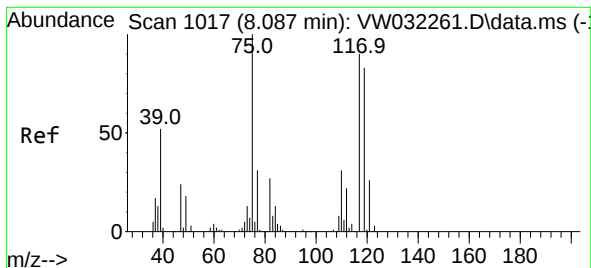
Tgt Ion:113 Resp: 150251  
 Ion Ratio Lower Upper  
 113 100  
 111 103.6 81.8 122.8  
 192 16.1 13.0 19.4



#36  
 1,1-Dichloropropene  
 Concen: 4.663 ug/l  
 RT: 7.965 min Scan# 997  
 Delta R.T. -0.128 min  
 Lab File: VW032282.D  
 Acq: 26 Sep 2025 15:53

Tgt Ion: 75 Resp: 19222  
 Ion Ratio Lower Upper  
 75 100  
 110 6.8 16.7 50.1#  
 77 0.0 25.2 37.8#





#38

Carbon Tetrachloride

Concen: 5.640 ug/l

RT: 7.965 min Scan# 91

Delta R.T. -0.122 min

Lab File: VW032282.D

Acq: 26 Sep 2025 15:53

Instrument :

MSVOA\_W

ClientSampleId :

WC-1-VOC

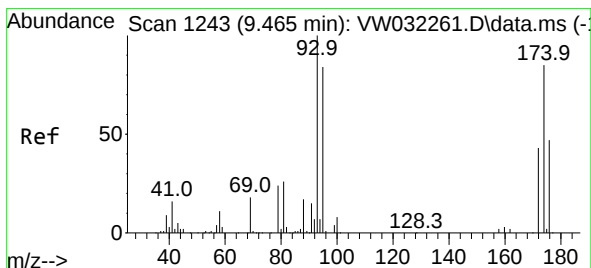
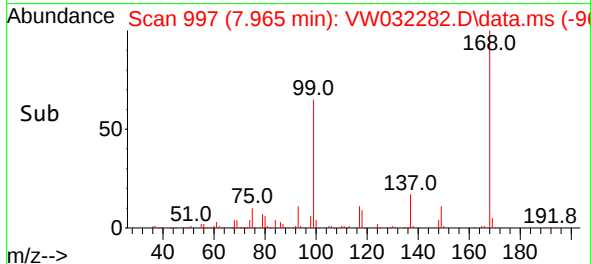
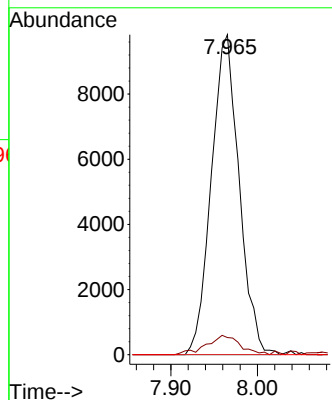
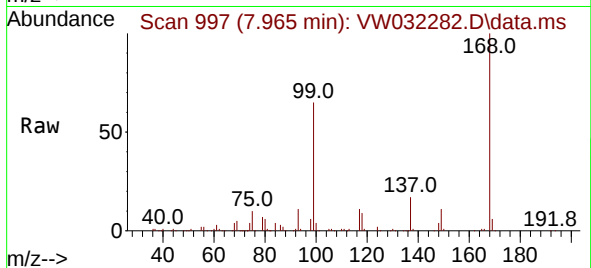
Tgt Ion:117 Resp: 21875

Ion Ratio Lower Upper

117 100

119 4.8 73.9 110.9#

121 0.0 23.0 34.6#



#49

1,4-Dioxane

Concen: 1.445 ug/l

RT: 9.319 min Scan# 1219

Delta R.T. -0.146 min

Lab File: VW032282.D

Acq: 26 Sep 2025 15:53

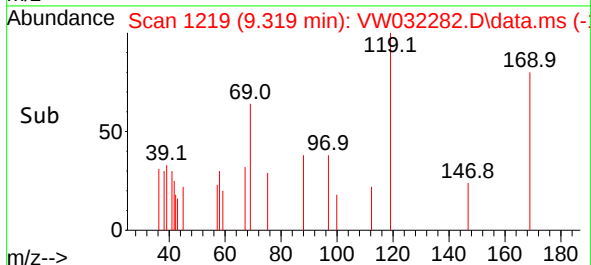
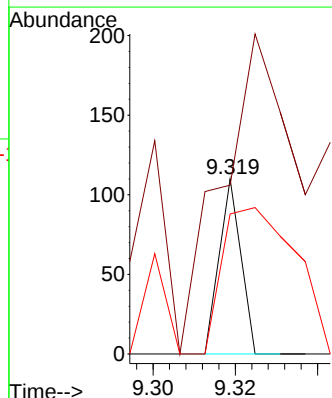
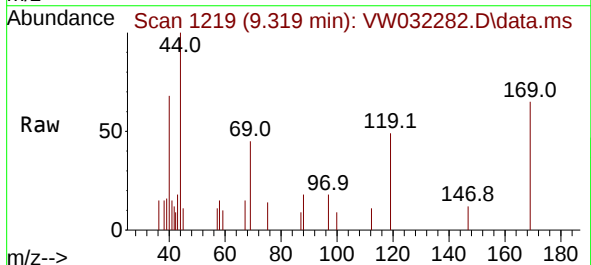
Tgt Ion: 88 Resp: 40

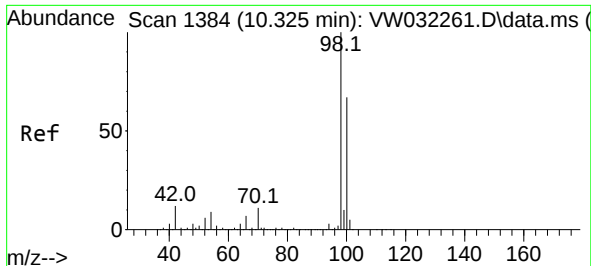
Ion Ratio Lower Upper

88 100

43 605.0 0.0 0.0#

58 285.0 62.9 94.3#

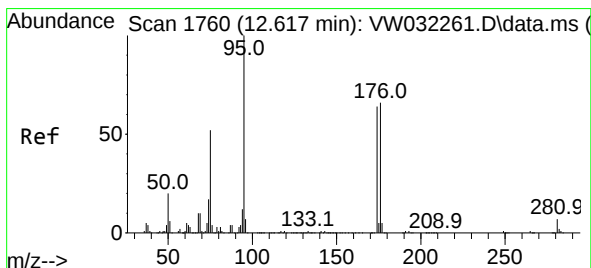
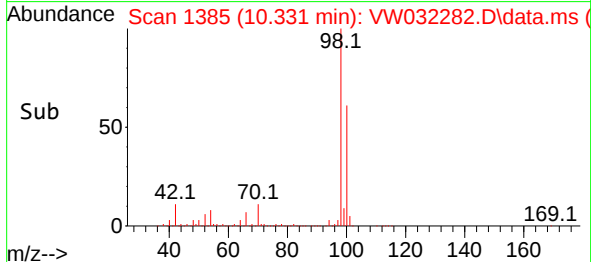
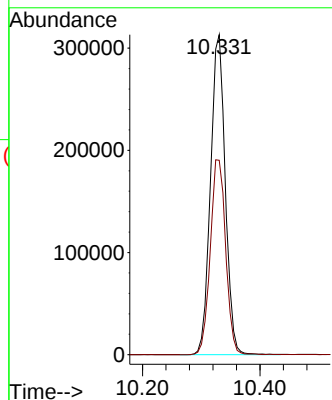
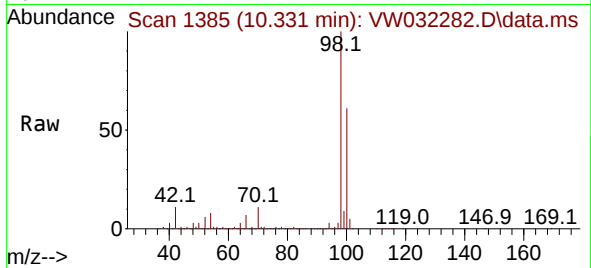




#50  
Toluene-d8  
Concen: 49.570 ug/l  
RT: 10.331 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

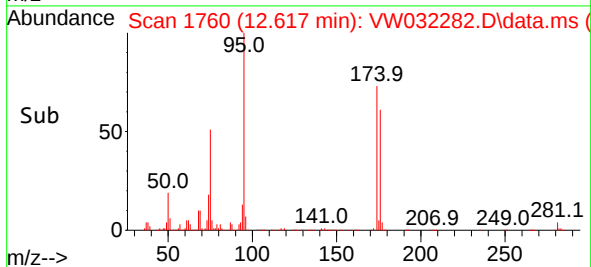
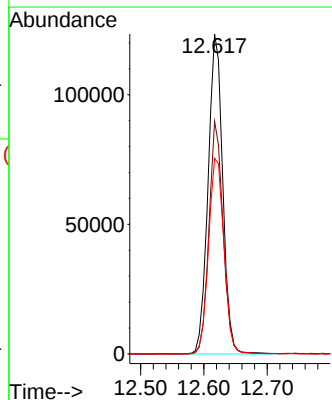
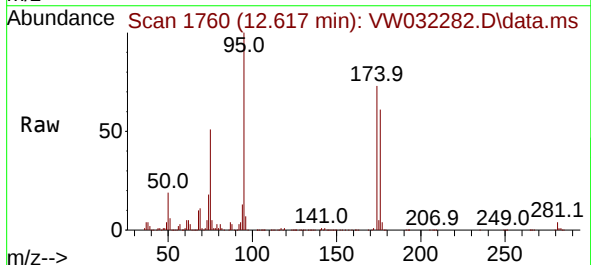
Instrument :  
MSVOA\_W  
ClientSampleId :  
WC-1-VOC

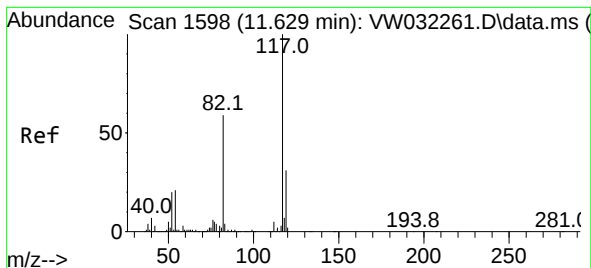
Tgt Ion: 98 Resp: 546242  
Ion Ratio Lower Upper  
98 100  
100 63.6 53.0 79.4



#62  
4-Bromofluorobenzene  
Concen: 47.846 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.000 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

Tgt Ion: 95 Resp: 198880  
Ion Ratio Lower Upper  
95 100  
174 70.3 0.0 130.6  
176 64.5 0.0 127.0

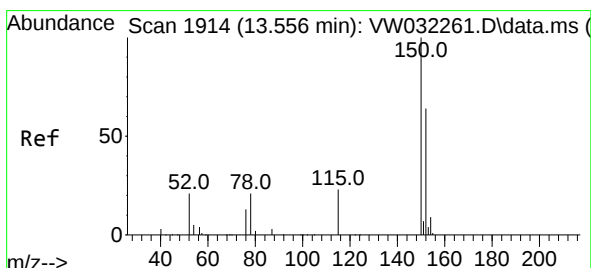
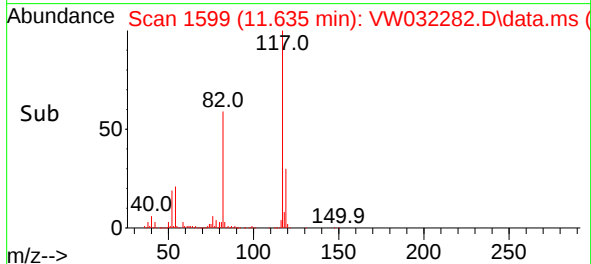
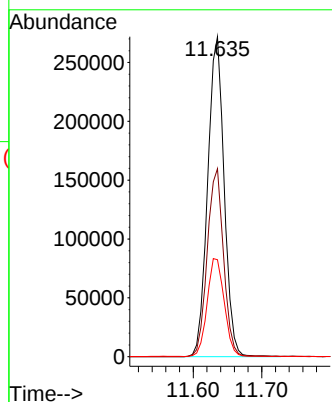
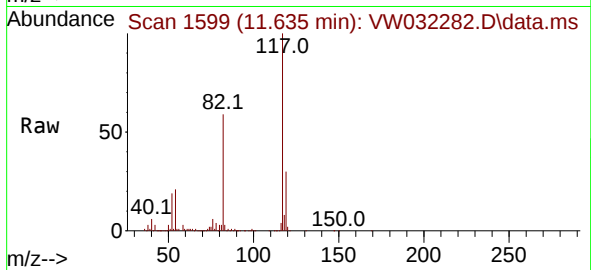




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.635 min Scan# 11599  
Delta R.T. 0.006 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

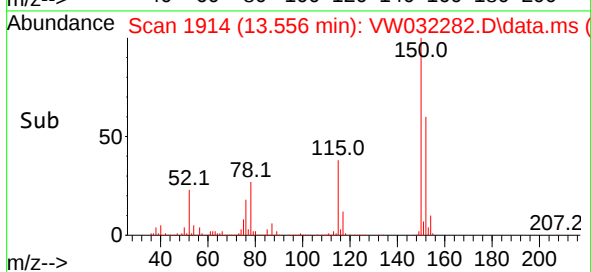
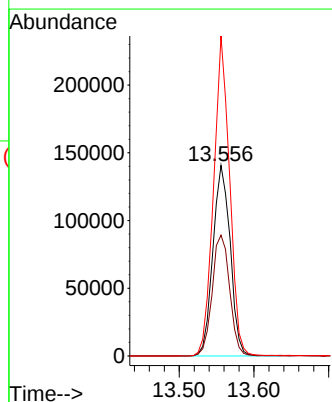
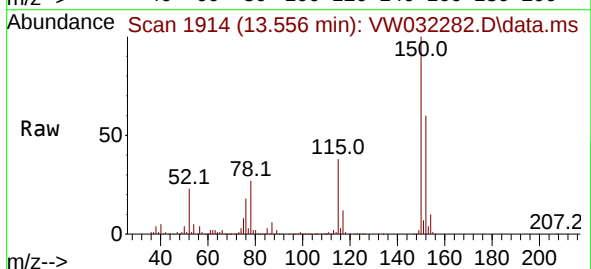
Instrument :  
MSVOA\_W  
ClientSampleId :  
WC-1-VOC

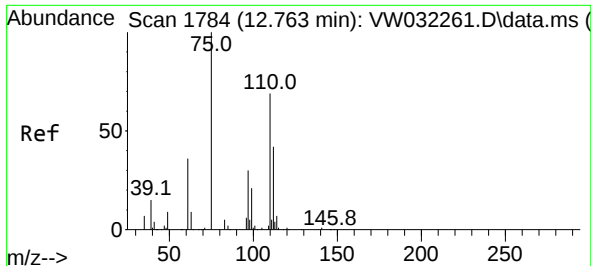
Tgt Ion:117 Resp: 454251  
Ion Ratio Lower Upper  
117 100  
82 58.8 46.9 70.3  
119 30.2 24.9 37.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.556 min Scan# 1914  
Delta R.T. 0.000 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

Tgt Ion:152 Resp: 226015  
Ion Ratio Lower Upper  
152 100  
115 64.1 32.5 97.5  
150 156.4 0.0 370.2

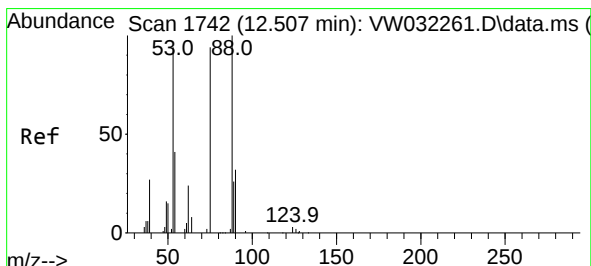
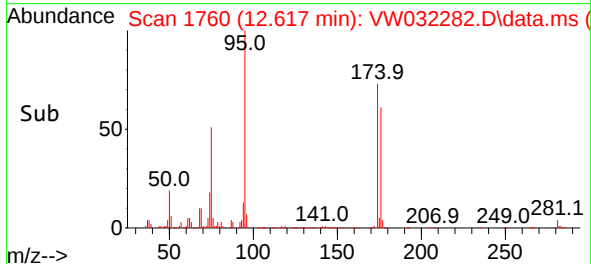
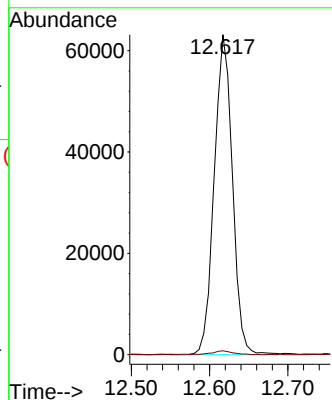
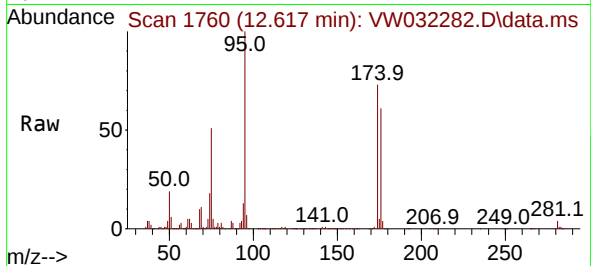




#76  
1,2,3-Trichloropropane  
Concen: 32.818 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. -0.146 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

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

Tgt Ion: 75 Resp: 102046  
Ion Ratio Lower Upper  
75 100  
77 1.4 140.9 422.7#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 85.243 ug/l  
RT: 12.617 min Scan# 1760  
Delta R.T. 0.110 min  
Lab File: VW032282.D  
Acq: 26 Sep 2025 15:53

Tgt Ion: 75 Resp: 102046  
Ion Ratio Lower Upper  
75 100  
53 0.2 81.4 122.2#  
89 0.2 35.4 53.2#

