

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073024\  
 Data File : VD079476.D  
 Acq On : 31 Jul 2024 01:56  
 Operator : RP/MD  
 Sample : P3387-01  
 Misc : 4.61G/5.0ml/MSVOA\_D/SOIL/A  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-9-VOC

Quant Time: Jul 31 04:36:49 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 30 03:50:47 2024  
 Response via : Initial Calibration

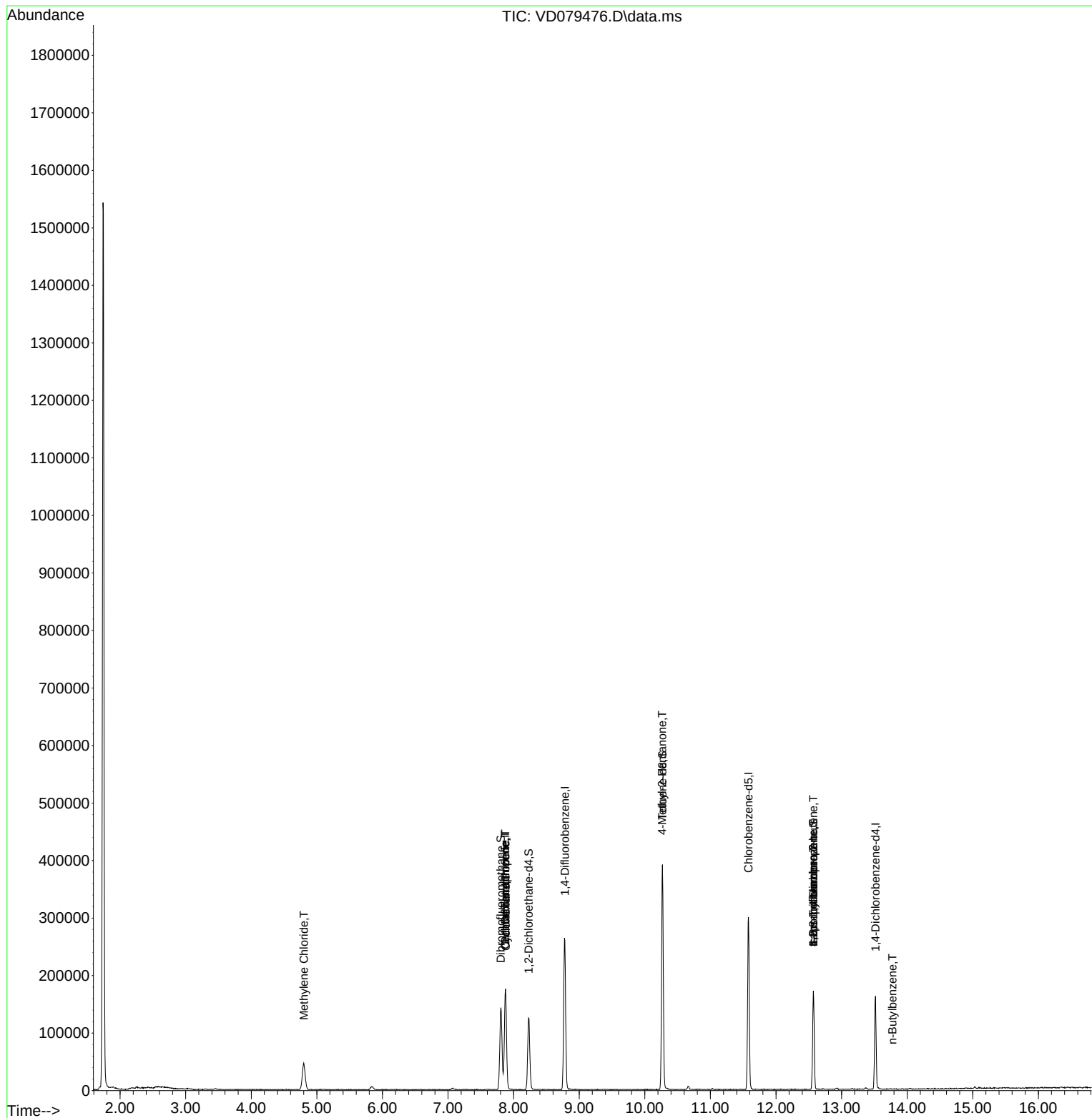
| Compound                      | R.T.           | QIon | Response            | Conc      | Units     | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|-----------|----------|
| -----                         |                |      |                     |           |           |          |
| Internal Standards            |                |      |                     |           |           |          |
| 1) Pentafluorobenzene         | 7.875          | 168  | 140333              | 50.000    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.781          | 114  | 250733              | 50.000    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5          | 11.581         | 117  | 184073              | 50.000    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516         | 152  | 46784               | 50.000    | ug/l      | 0.00     |
|                               |                |      |                     |           |           |          |
| System Monitoring Compounds   |                |      |                     |           |           |          |
| 33) 1,2-Dichloroethane-d4     | 8.228          | 65   | 95783               | 67.185    | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 134.380% |           |           |          |
| 35) Dibromofluoromethane      | 7.805          | 113  | 105174              | 61.974    | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 123.940% |           |           |          |
| 50) Toluene-d8                | 10.269         | 98   | 285101              | 43.260    | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 86.520%  |           |           |          |
| 62) 4-Bromofluorobenzene      | 12.569         | 95   | 51630               | 27.072    | ug/l      | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 54.140%  |           |           |          |
|                               |                |      |                     |           |           |          |
| Target Compounds              |                |      |                     |           |           |          |
| 5) Bromomethane               | 2.699          | 94   | 600                 | Below Cal | Qvalue 90 |          |
| 20) Methylene Chloride        | 4.805          | 84   | 35845               | 2.483     | ug/l      | 93       |
| 31) Cyclohexane               | 7.881          | 56   | 2836                | 1.198     | ug/l #    | 55       |
| 36) 1,1-Dichloropropene       | 7.875          | 75   | 10190               | 4.399     | ug/l #    | 48       |
| 38) Carbon Tetrachloride      | 7.869          | 117  | 13802               | 5.668     | ug/l #    | 15       |
| 51) 4-Methyl-2-Pentanone      | 10.263         | 43   | 1127                | 1.237     | ug/l #    | 1        |
| 73) Isopropylbenzene          | 12.569         | 105  | 55                  | 3.642     | ug/l #    | 48       |
| 76) 1,2,3-Trichloropropane    | 12.569         | 75   | 24692               | 60.381    | ug/l #    | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.569         | 75   | 24692               | 115.162   | ug/l #    | 19       |
| 89) n-Butylbenzene            | 13.775         | 91   | 166                 | 3.833     | ug/l #    | 34       |
| -----                         |                |      |                     |           |           |          |

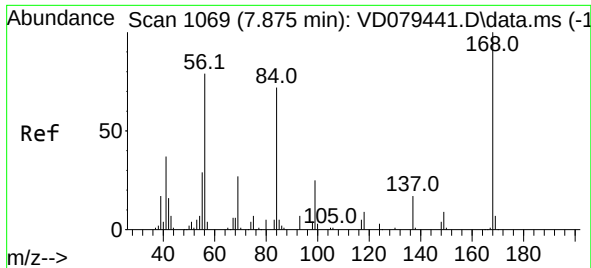
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-9-VOC

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Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration

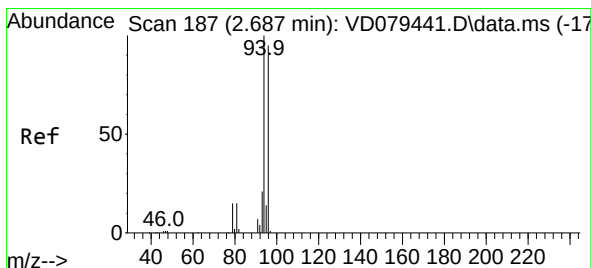
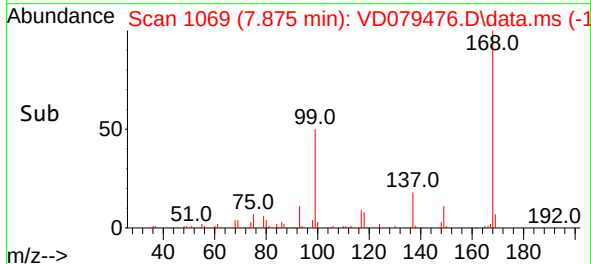
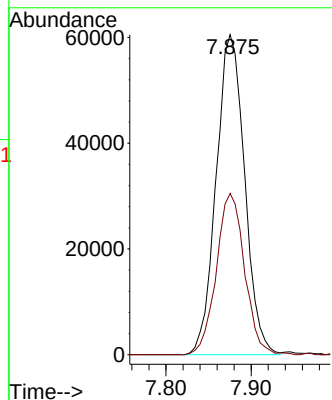
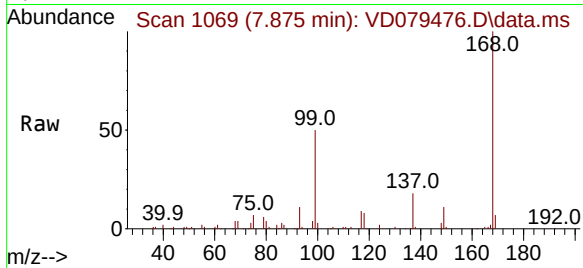




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

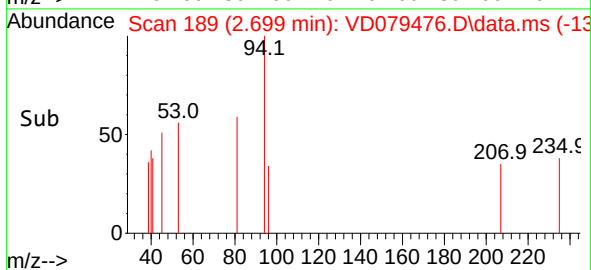
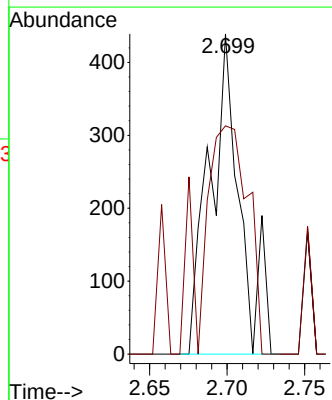
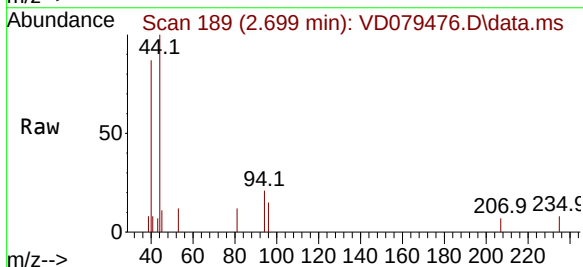
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-9-VOC

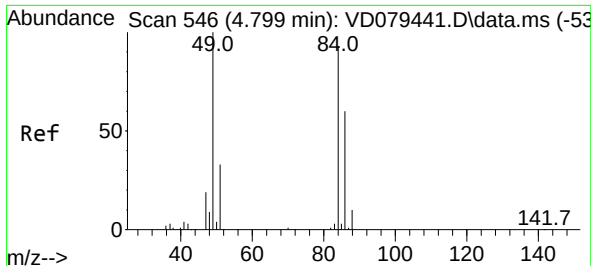
Tgt Ion:168 Resp: 140333  
Ion Ratio Lower Upper  
168 100  
99 50.4 41.1 61.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.699 min Scan# 189  
Delta R.T. 0.012 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

Tgt Ion: 94 Resp: 600  
Ion Ratio Lower Upper  
94 100  
96 106.3 76.9 115.3

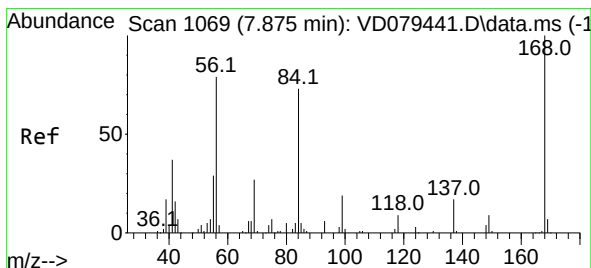
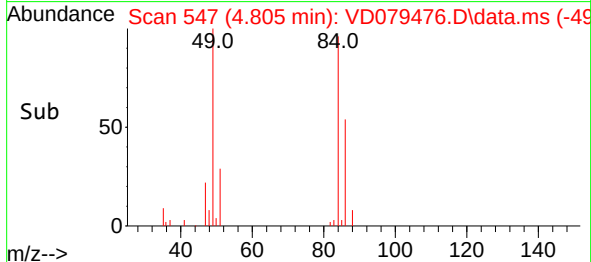
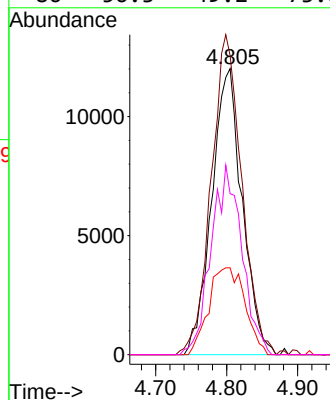
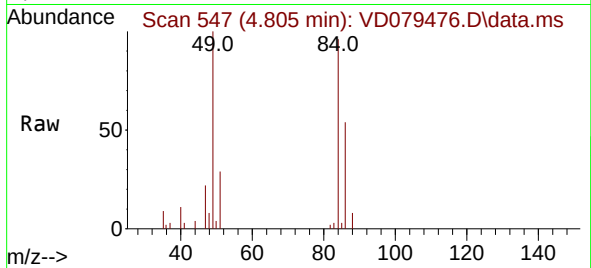




#20  
Methylene Chloride  
Concen: 2.483 ug/l  
RT: 4.805 min Scan# 546  
Delta R.T. 0.006 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

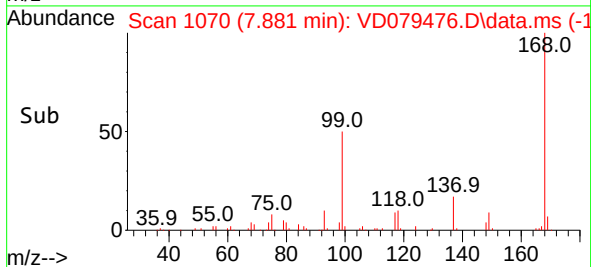
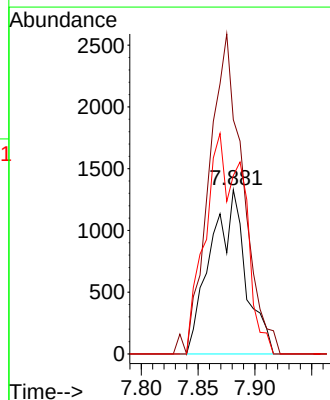
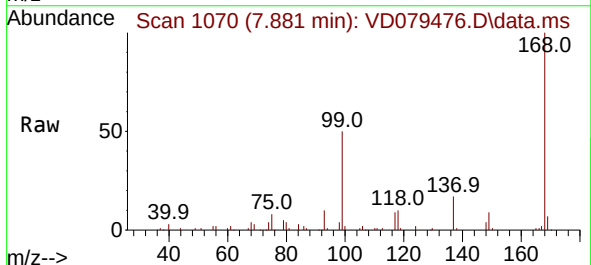
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-9-VOC

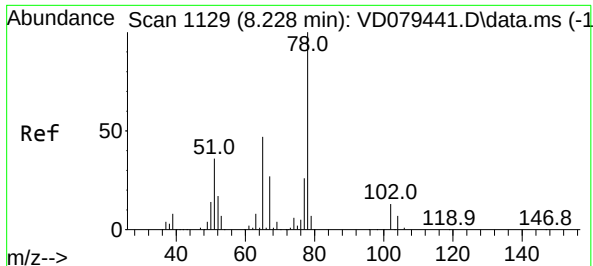
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 84 | Resp: 35845 |       |       |
| Ion         | Ratio       | Lower | Upper |
| 84          | 100         |       |       |
| 49          | 103.2       | 75.6  | 113.4 |
| 51          | 30.4        | 24.2  | 36.2  |
| 86          | 56.3        | 49.2  | 73.8  |



#31  
Cyclohexane  
Concen: 1.198 ug/l  
RT: 7.881 min Scan# 1070  
Delta R.T. 0.000 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

|             |            |       |       |
|-------------|------------|-------|-------|
| Tgt Ion: 56 | Resp: 2836 |       |       |
| Ion Ratio   | Lower      | Upper |       |
| 56          | 100        |       |       |
| 69          | 142.7      | 28.0  | 42.0# |
| 84          | 108.7      | 87.4  | 131.0 |

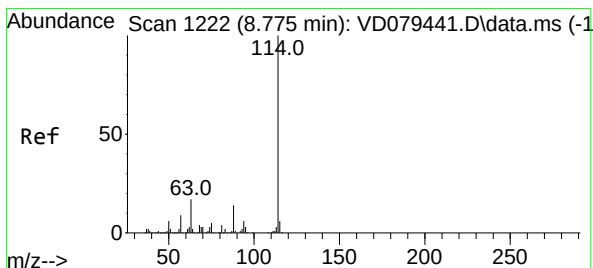
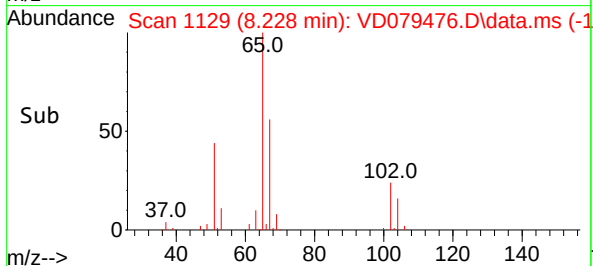
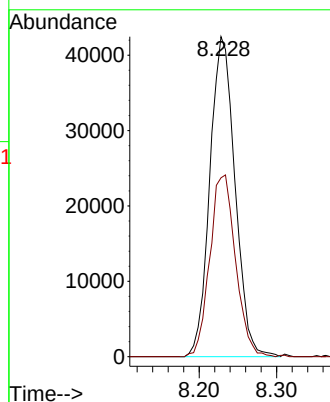
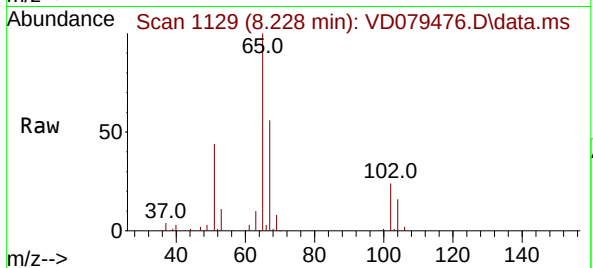




#33  
 1,2-Dichloroethane-d4  
 Concen: 67.185 ug/l  
 RT: 8.228 min Scan# 1129  
 Delta R.T. -0.000 min  
 Lab File: VD079476.D  
 Acq: 31 Jul 2024 01:56

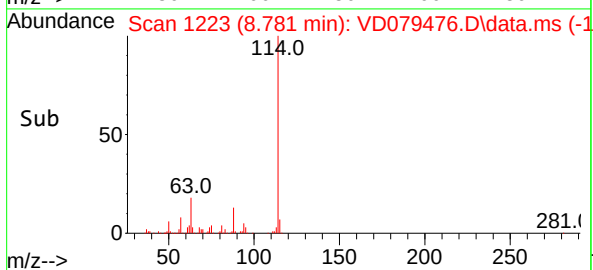
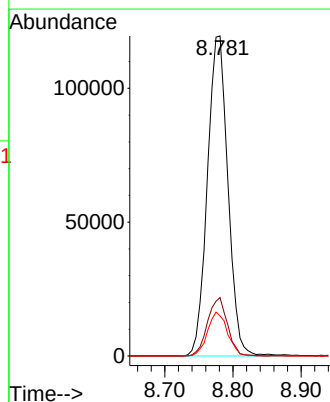
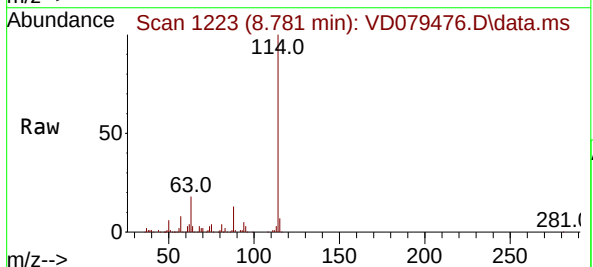
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 WC-9-VOC

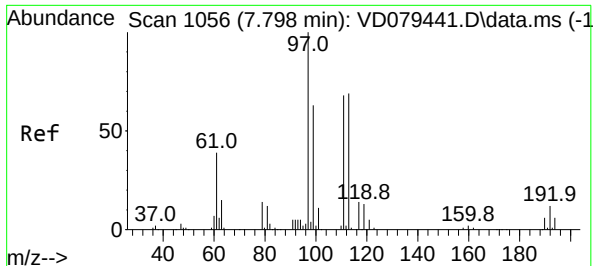
Tgt Ion: 65 Resp: 95783  
 Ion Ratio Lower Upper  
 65 100  
 67 58.1 0.0 111.0



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.781 min Scan# 1223  
 Delta R.T. 0.006 min  
 Lab File: VD079476.D  
 Acq: 31 Jul 2024 01:56

Tgt Ion: 114 Resp: 250733  
 Ion Ratio Lower Upper  
 114 100  
 63 18.3 0.0 34.0  
 88 12.5 0.0 27.2





#35

Dibromofluoromethane

Concen: 61.974 ug/l

RT: 7.805 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VD079476.D

Acq: 31 Jul 2024 01:56

Instrument :

MSVOA\_D

ClientSampleId :

WC-9-VOC

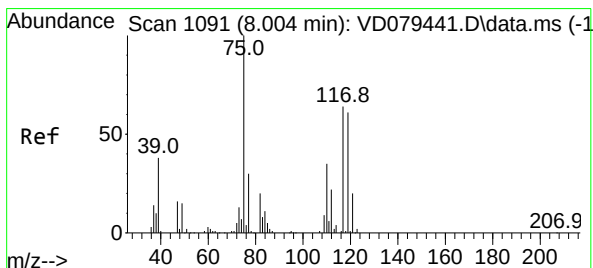
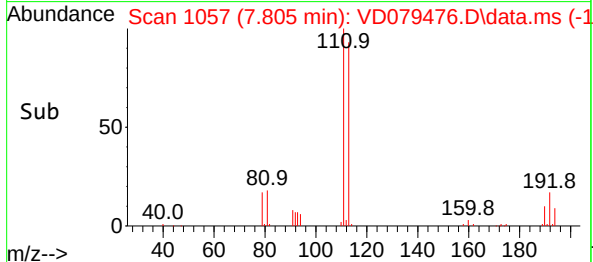
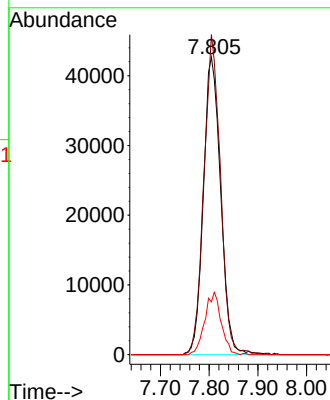
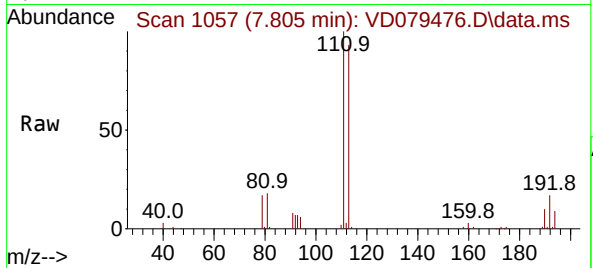
Tgt Ion:113 Resp: 105174

Ion Ratio Lower Upper

113 100

111 102.9 84.0 126.0

192 19.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.399 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.135 min

Lab File: VD079476.D

Acq: 31 Jul 2024 01:56

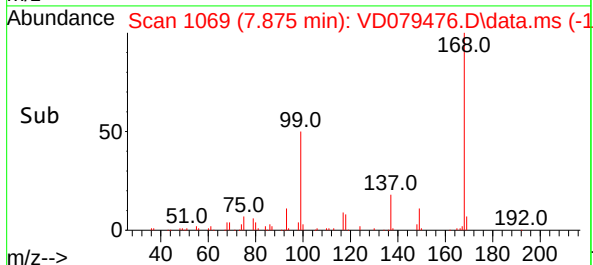
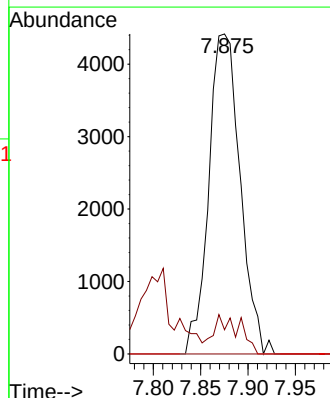
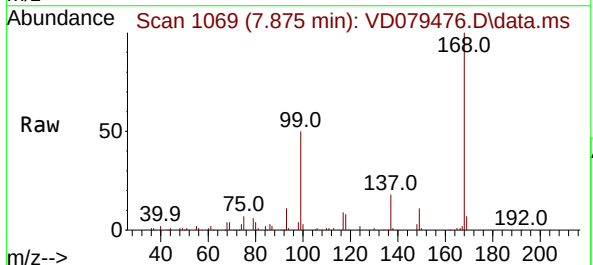
Tgt Ion: 75 Resp: 10190

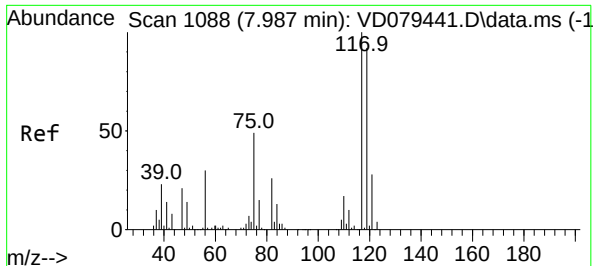
Ion Ratio Lower Upper

75 100

110 10.1 19.6 58.7#

77 0.0 26.1 39.1#





#38

Carbon Tetrachloride

Concen: 5.668 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.118 min

Lab File: VD079476.D

Acq: 31 Jul 2024 01:56

Instrument :

MSVOA\_D

ClientSampleId :

WC-9-VOC

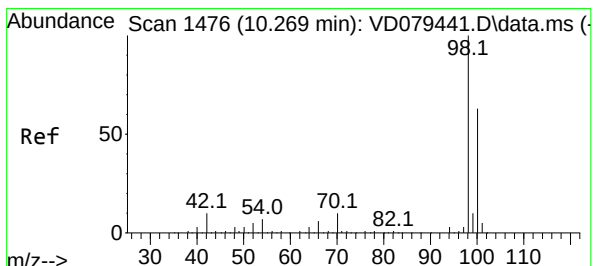
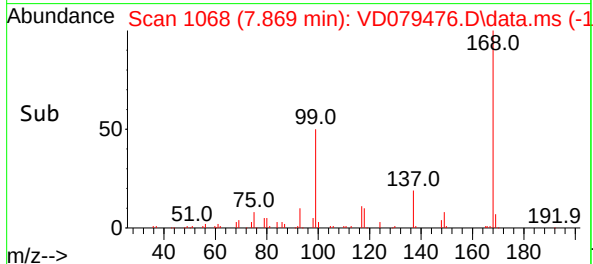
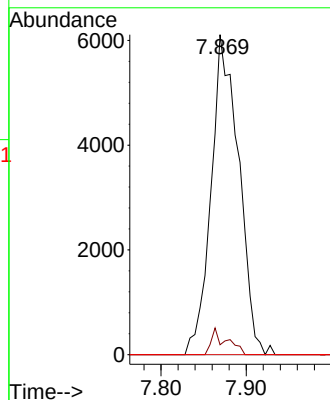
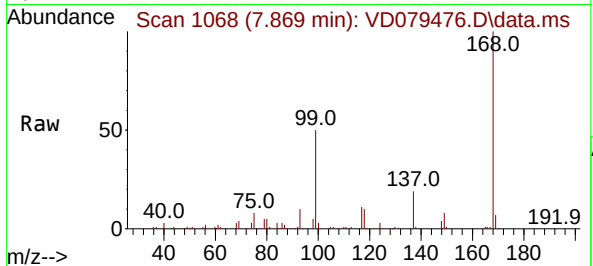
Tgt Ion:117 Resp: 13802

Ion Ratio Lower Upper

117 100

119 3.1 75.4 113.0#

121 0.0 25.0 37.4#



#50

Toluene-d8

Concen: 43.260 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.006 min

Lab File: VD079476.D

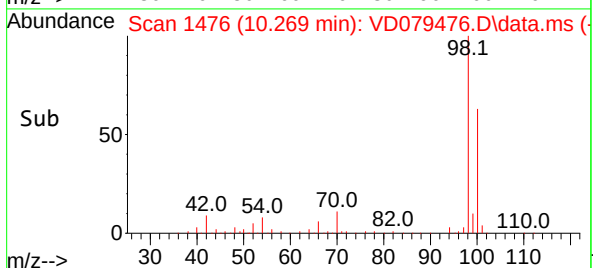
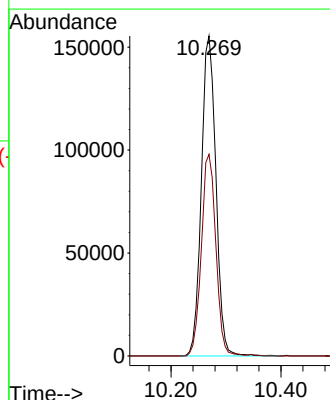
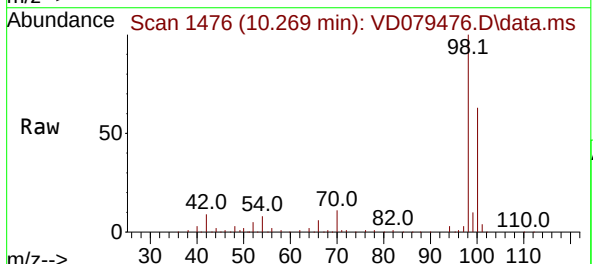
Acq: 31 Jul 2024 01:56

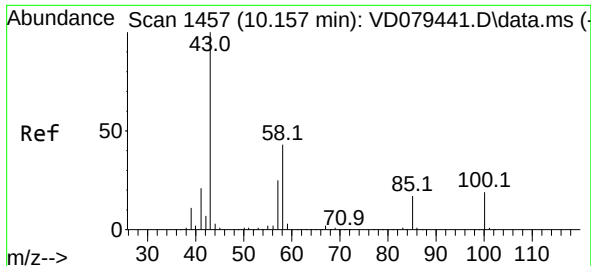
Tgt Ion: 98 Resp: 285101

Ion Ratio Lower Upper

98 100

100 62.8 51.6 77.4

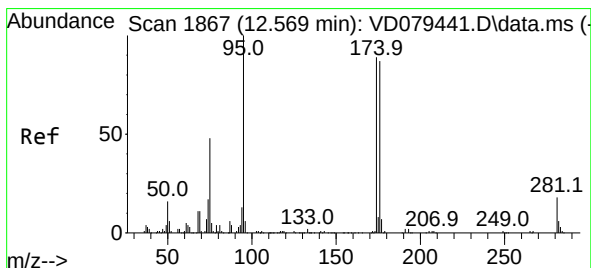
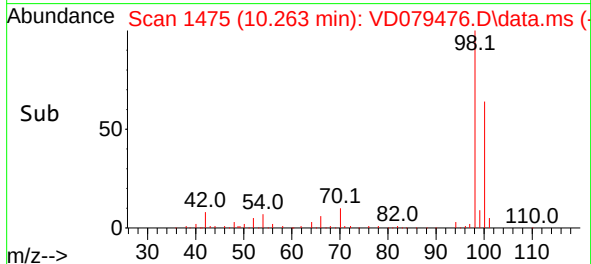
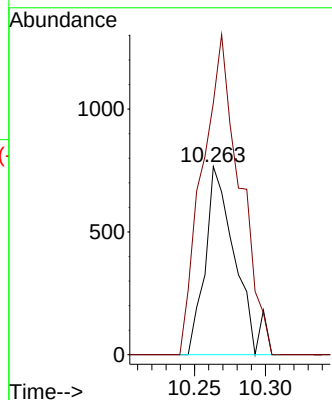
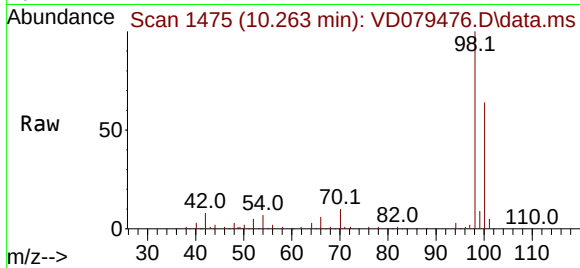




#51  
4-Methyl-2-Pentanone  
Concen: 1.237 ug/l  
RT: 10.263 min Scan# 1457  
Delta R.T. 0.106 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

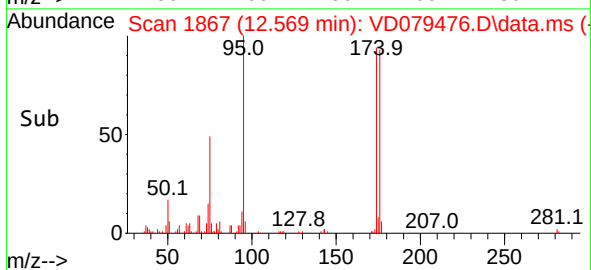
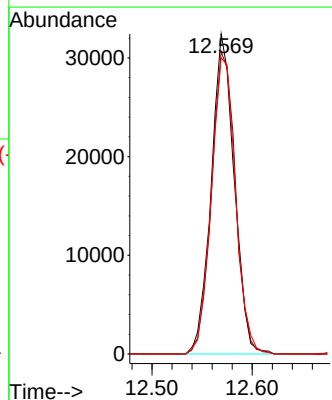
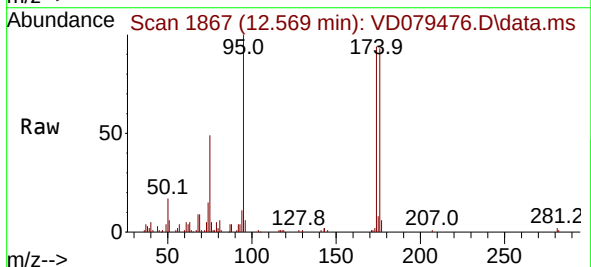
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-9-VOC

Tgt Ion: 43 Resp: 1127  
Ion Ratio Lower Upper  
43 100  
58 212.6 36.6 55.0#

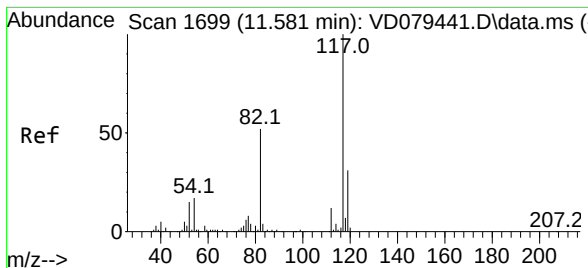


#62  
4-Bromofluorobenzene  
Concen: 27.072 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

Tgt Ion: 95 Resp: 51630  
Ion Ratio Lower Upper  
95 100  
174 97.6 0.0 195.4  
176 97.3 0.0 192.6



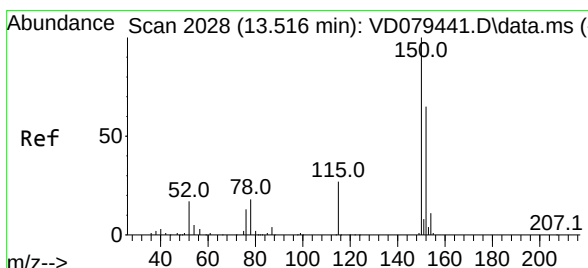
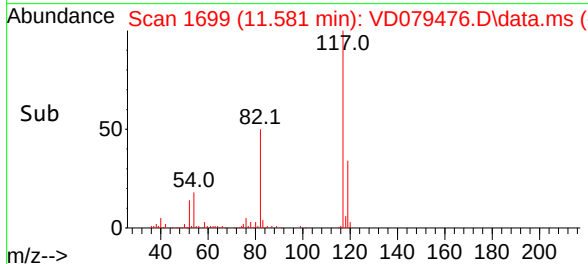
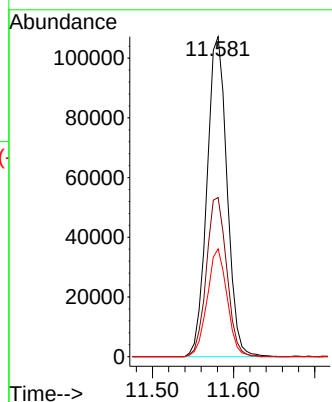
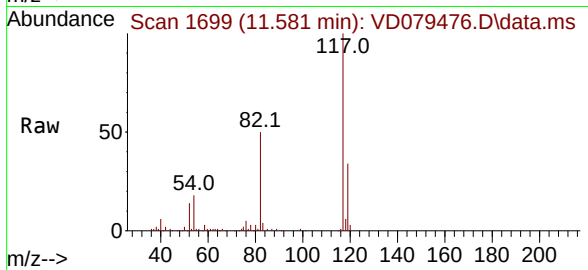




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

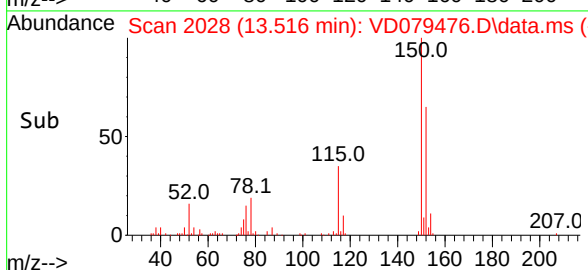
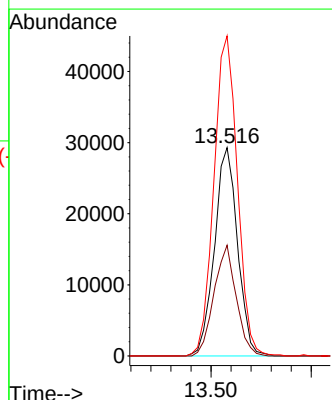
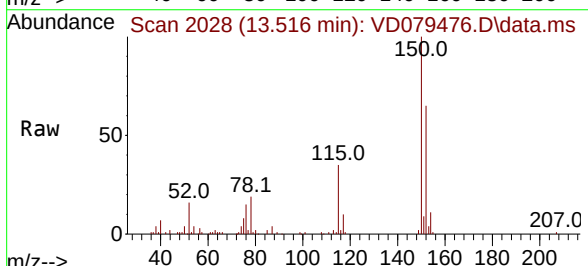
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-9-VOC

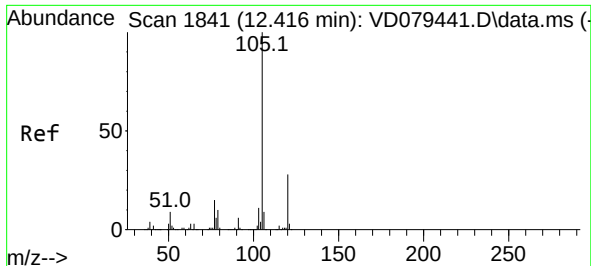
Tgt Ion:117 Resp: 184073  
Ion Ratio Lower Upper  
117 100  
82 49.8 39.8 59.6  
119 33.7 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

Tgt Ion:152 Resp: 46784  
Ion Ratio Lower Upper  
152 100  
115 51.3 26.5 79.5  
150 156.3 0.0 341.6

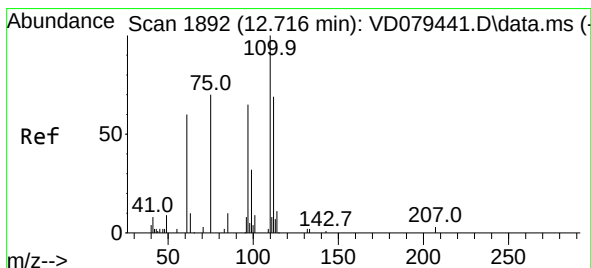
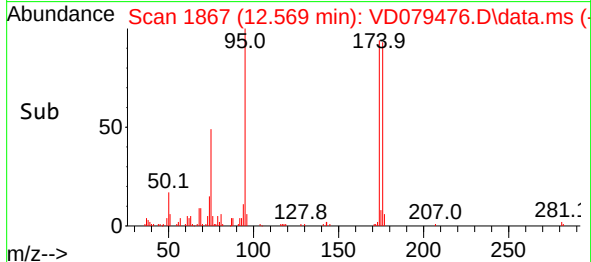
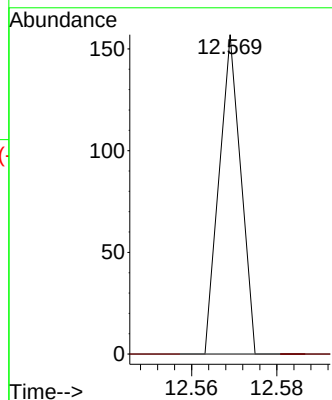
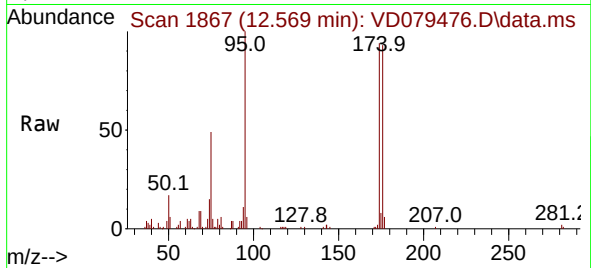




#73  
Isopropylbenzene  
Concen: 3.642 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.153 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

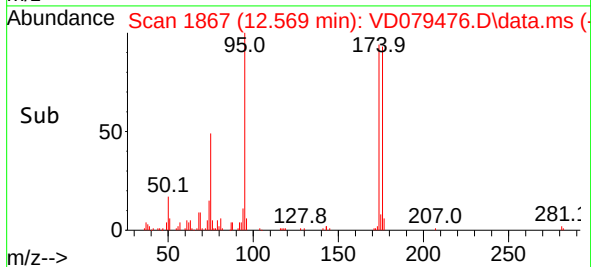
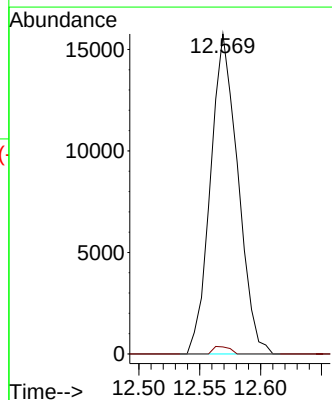
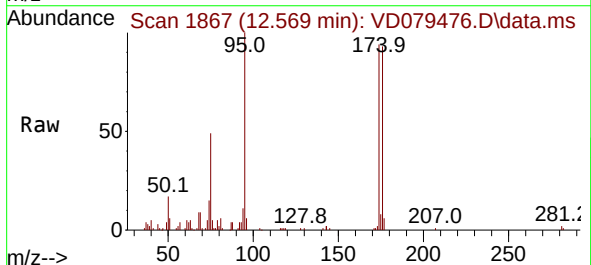
Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-9-VOC

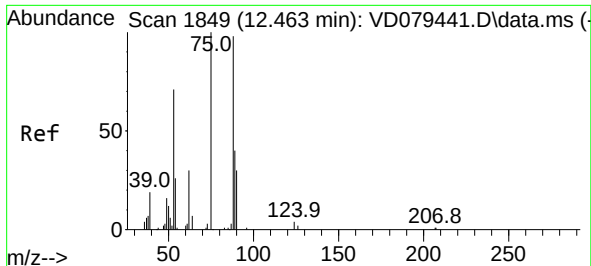
Tgt Ion:105 Resp: 55  
Ion Ratio Lower Upper  
105 100  
120 0.0 13.6 40.7#



#76  
1,2,3-Trichloropropane  
Concen: 60.381 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. -0.153 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

Tgt Ion: 75 Resp: 24692  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#

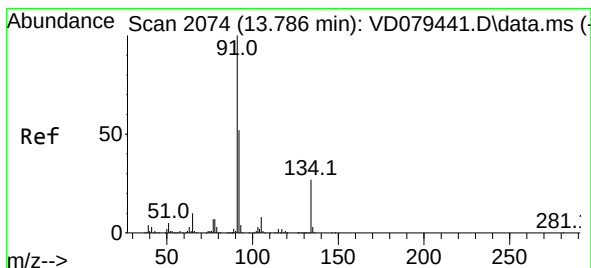
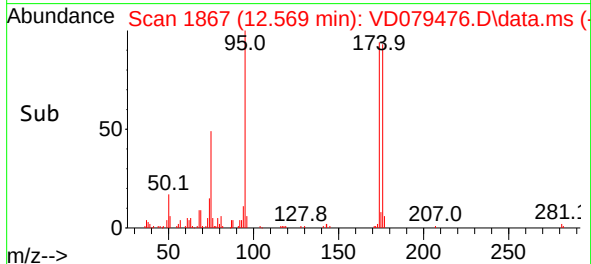
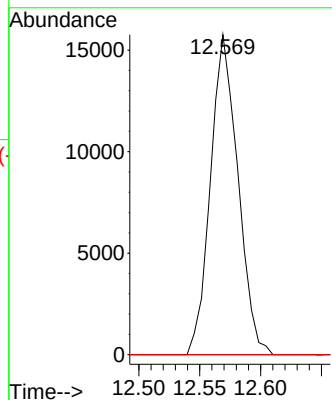
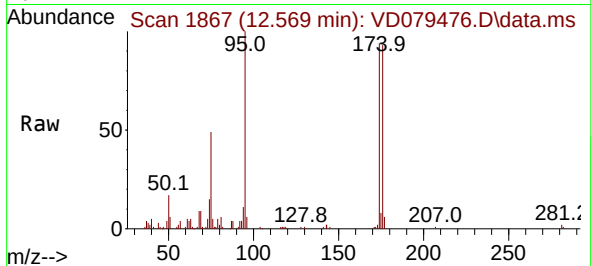




#81  
trans-1,4-Dichloro-2-butene  
Concen: 115.162 ug/l  
RT: 12.569 min Scan# 1849  
Delta R.T. 0.100 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

Instrument :  
MSVOA\_D  
ClientSampleId :  
WC-9-VOC

Tgt Ion: 75 Resp: 24692  
Ion Ratio Lower Upper  
75 100  
53 0.0 61.4 92.2#  
89 0.0 35.4 53.0#



#89  
n-Butylbenzene  
Concen: 3.833 ug/l  
RT: 13.775 min Scan# 2072  
Delta R.T. -0.006 min  
Lab File: VD079476.D  
Acq: 31 Jul 2024 01:56

Tgt Ion: 91 Resp: 166  
Ion Ratio Lower Upper  
91 100  
92 0.0 25.7 77.0#  
134 0.0 13.6 40.8#

