

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073124\  
 Data File : VD079499.D  
 Acq On : 31 Jul 2024 16:23  
 Operator : RP/MD  
 Sample : P3379-09  
 Misc : 6.36G/5.0ml/MSVOA\_D/SOIL/B  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 OU4-PCS-05-072324

Quant Time: Aug 01 01:52:50 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

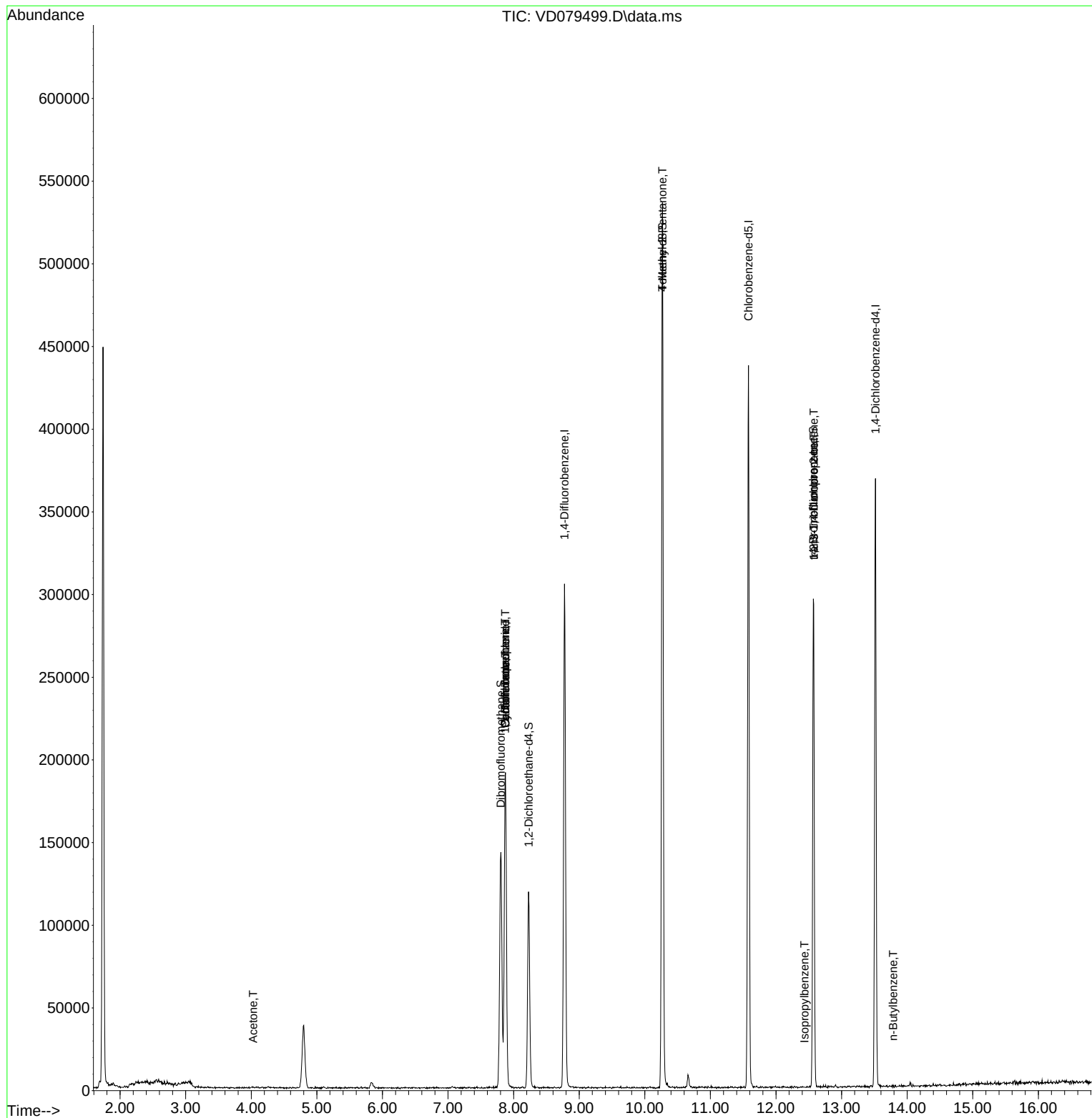
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.875          | 168  | 156904              | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.775          | 114  | 281240              | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.581         | 117  | 259897              | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.516         | 152  | 105231              | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.228          | 65   | 90739               | 56.925    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 113.860% |           |        |          |
| 35) Dibromofluoromethane      | 7.805          | 113  | 106488              | 55.941    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 111.880% |           |        |          |
| 50) Toluene-d8                | 10.269         | 98   | 382458              | 51.738    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 58 - 134 |      | Recovery = 103.480% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.569         | 95   | 92050               | 43.031    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 30 - 143 |      | Recovery = 86.060%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 5) Bromomethane               | 2.681          | 94   | 432                 | Below Cal | #      | 75       |
| 11) Tert butyl alcohol        | 5.064          | 59   | 58                  | Below Cal | #      | 86       |
| 16) Acetone                   | 4.028          | 43   | 565                 | 1.824     | ug/l # | 37       |
| 20) Methylene Chloride        | 4.799          | 84   | 29858               | Below Cal | #      | 86       |
| 31) Cyclohexane               | 7.875          | 56   | 2802                | 1.058     | ug/l # | 40       |
| 36) 1,1-Dichloropropene       | 7.869          | 75   | 12596               | 4.848     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 7.875          | 117  | 15649               | 5.730     | ug/l # | 17       |
| 51) 4-Methyl-2-Pentanone      | 10.269         | 43   | 1481                | 1.449     | ug/l # | 1        |
| 73) Isopropylbenzene          | 12.434         | 105  | 64                  | 3.635     | ug/l # | 48       |
| 76) 1,2,3-Trichloropropane    | 12.575         | 75   | 45236               | 49.179    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.575         | 75   | 45236               | 93.798    | ug/l # | 19       |
| 89) n-Butylbenzene            | 13.787         | 91   | 122                 | 3.799     | ug/l # | 34       |
| -----                         |                |      |                     |           |        |          |

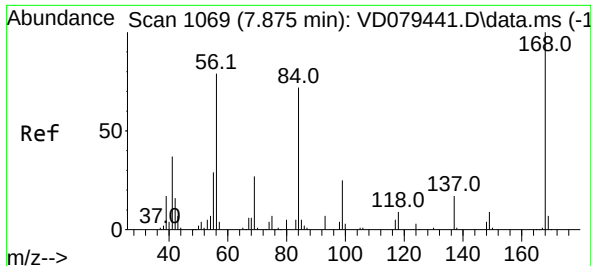
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD073124\  
Data File : VD079499.D  
Acq On : 31 Jul 2024 16:23  
Operator : RP/MD  
Sample : P3379-09  
Misc : 6.36G/5.0ml/MSVOA\_D/SOIL/B  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-PCS-05-072324

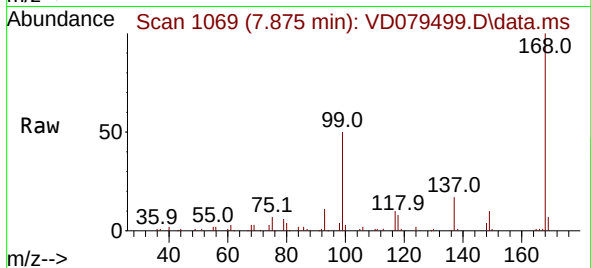
Quant Time: Aug 01 01:52:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D072924S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jul 30 03:50:47 2024  
Response via : Initial Calibration



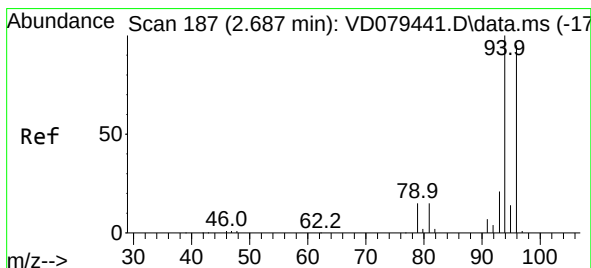
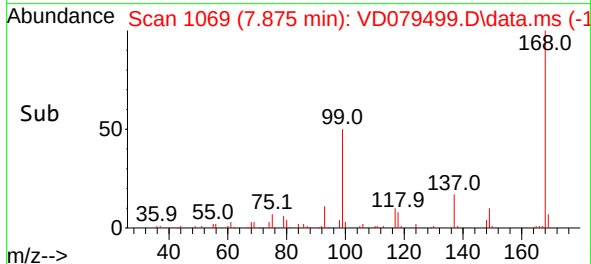
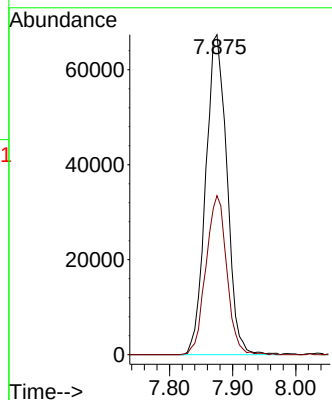


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-PCS-05-072324

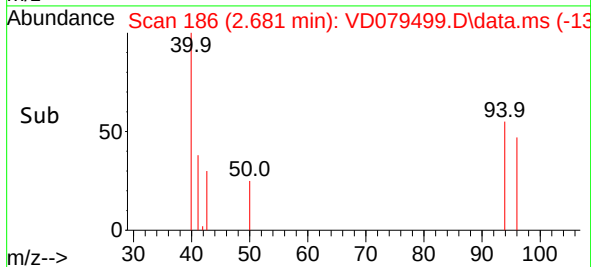
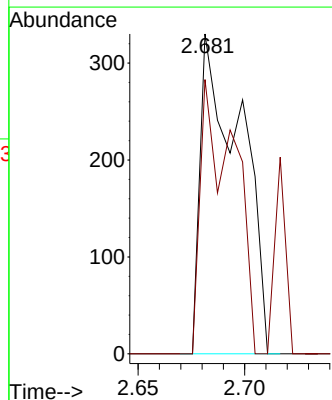
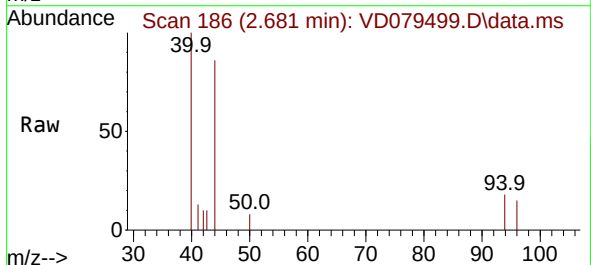


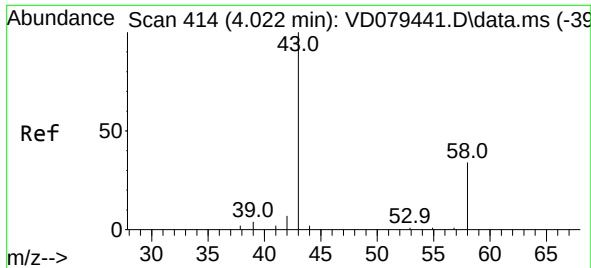
Tgt Ion:168 Resp: 156904  
Ion Ratio Lower Upper  
168 100  
99 49.7 41.1 61.7



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.681 min Scan# 186  
Delta R.T. -0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 94 Resp: 432  
Ion Ratio Lower Upper  
94 100  
96 71.8 76.9 115.3#





#16

Acetone

Concen: 1.824 ug/l

RT: 4.028 min Scan# 41

Delta R.T. 0.006 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

Instrument :

MSVOA\_D

ClientSampleId :

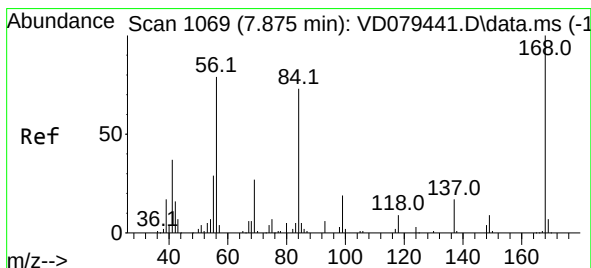
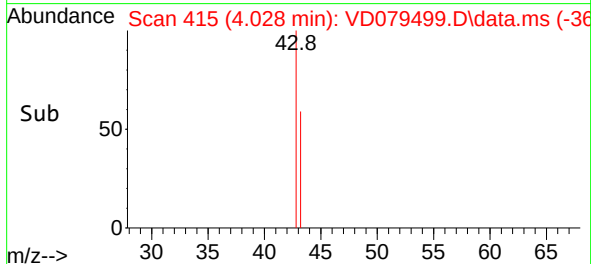
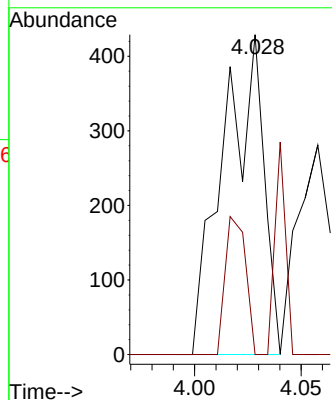
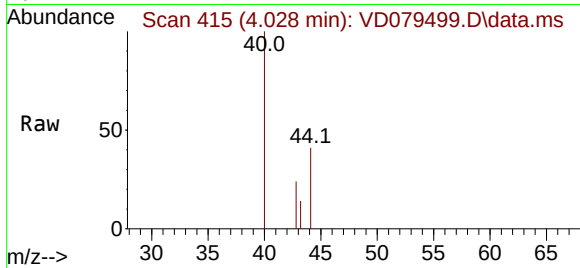
OU4-PCS-05-072324

Tgt Ion: 43 Resp: 565

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#31

Cyclohexane

Concen: 1.058 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.006 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

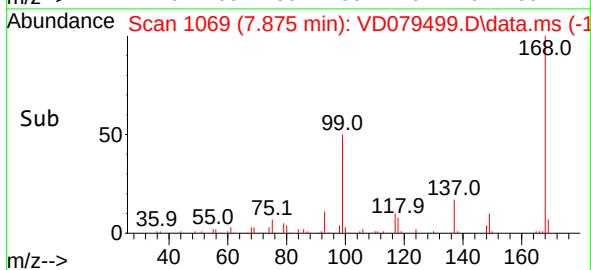
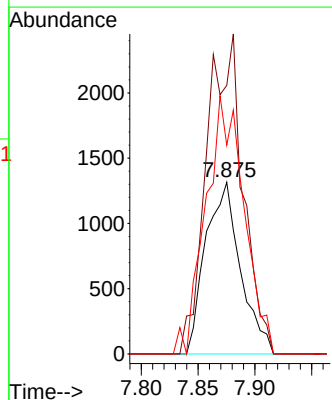
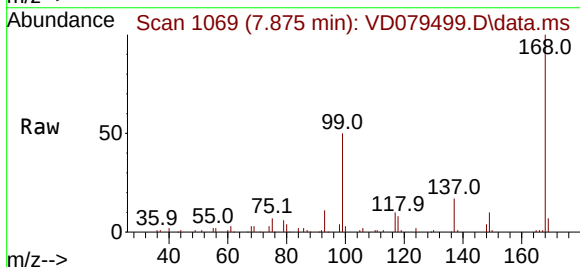
Tgt Ion: 56 Resp: 2802

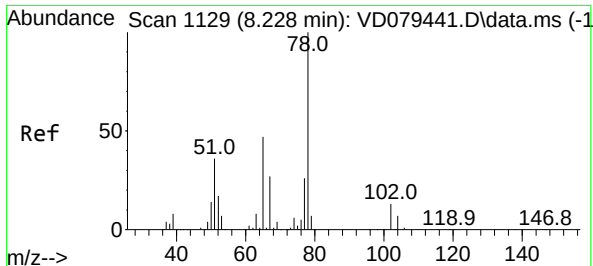
Ion Ratio Lower Upper

56 100

69 156.6 28.0 42.0#

84 121.7 87.4 131.0





#33

1,2-Dichloroethane-d4

Concen: 56.925 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

Instrument :

MSVOA\_D

ClientSampleId :

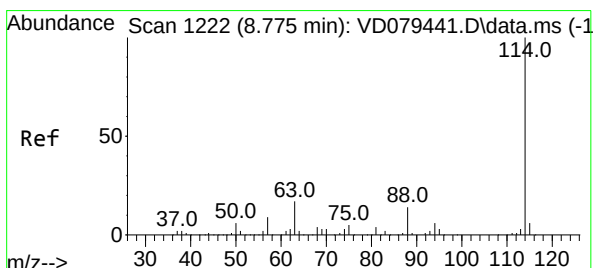
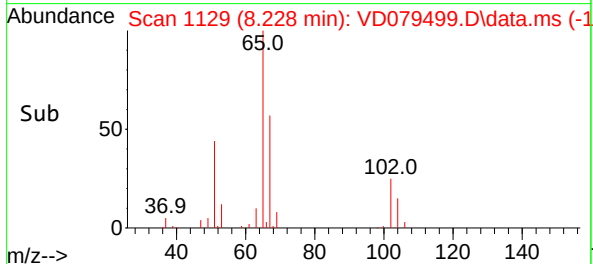
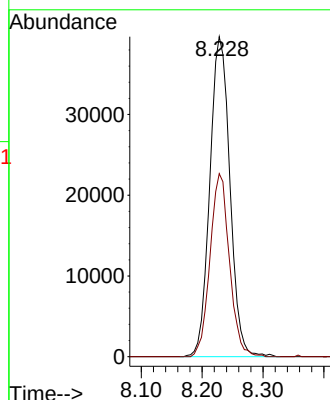
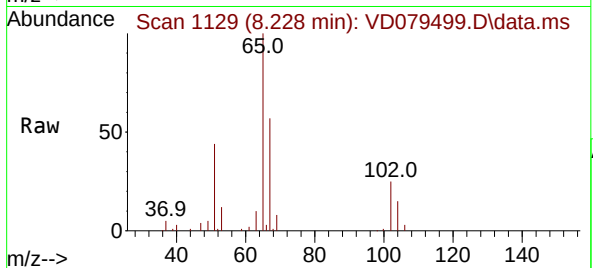
OU4-PCS-05-072324

Tgt Ion: 65 Resp: 90739

Ion Ratio Lower Upper

65 100

67 55.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

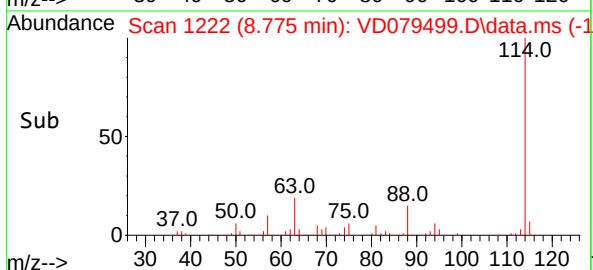
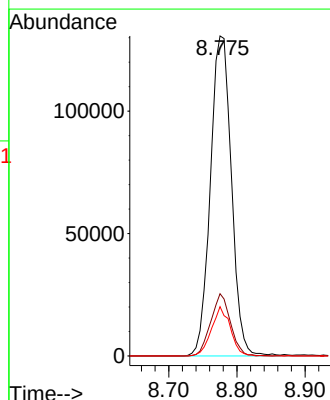
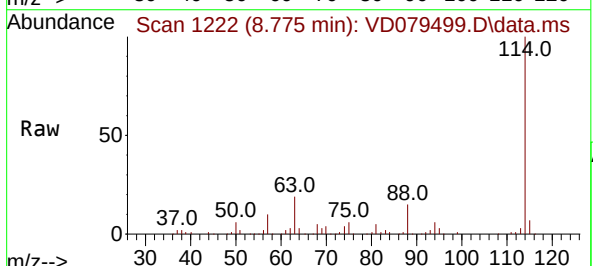
Tgt Ion: 114 Resp: 281240

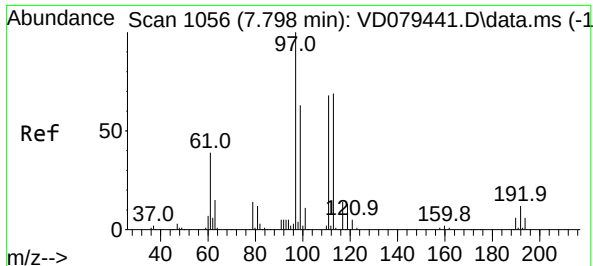
Ion Ratio Lower Upper

114 100

63 19.5 0.0 34.0

88 15.4 0.0 27.2





#35

Dibromofluoromethane

Concen: 55.941 ug/l

RT: 7.805 min Scan# 1067

Delta R.T. 0.000 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

Instrument :

MSVOA\_D

ClientSampleId :

OU4-PCS-05-072324

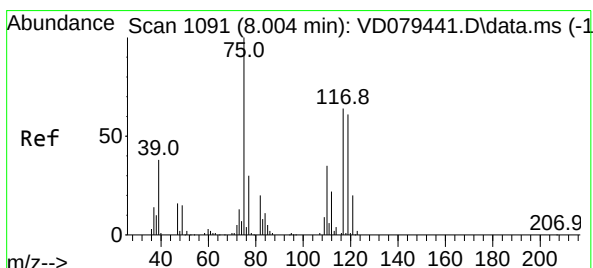
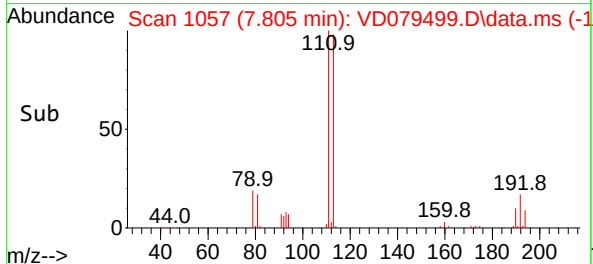
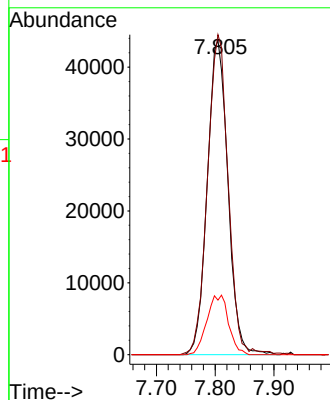
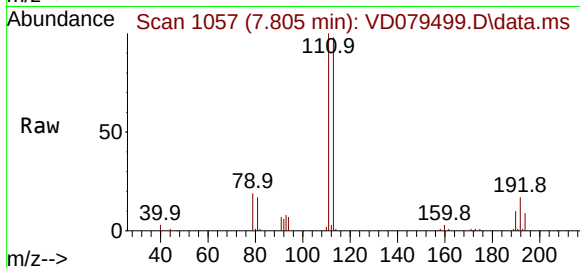
Tgt Ion:113 Resp: 106488

Ion Ratio Lower Upper

113 100

111 102.3 84.0 126.0

192 19.9 15.4 23.0



#36

1,1-Dichloropropene

Concen: 4.848 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

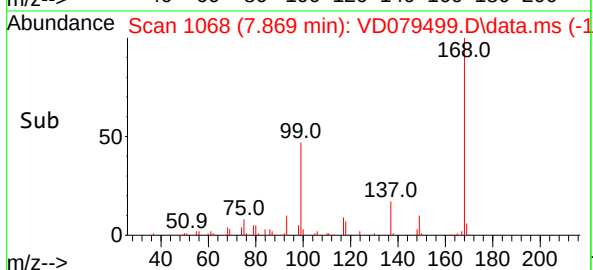
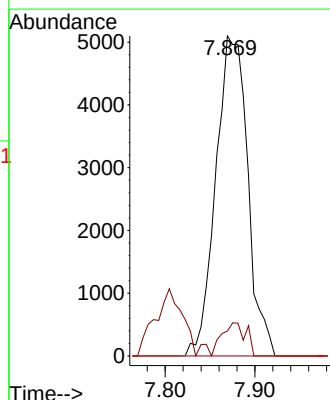
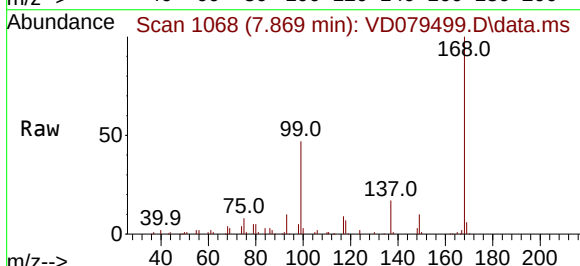
Tgt Ion: 75 Resp: 12596

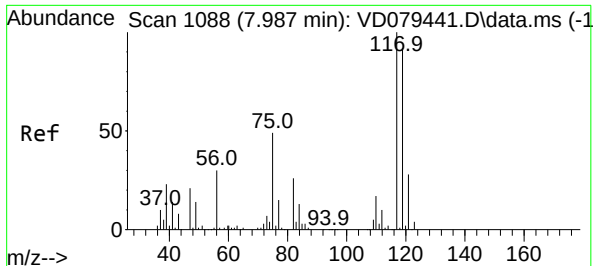
Ion Ratio Lower Upper

75 100

110 7.8 19.6 58.7#

77 0.0 26.1 39.1#

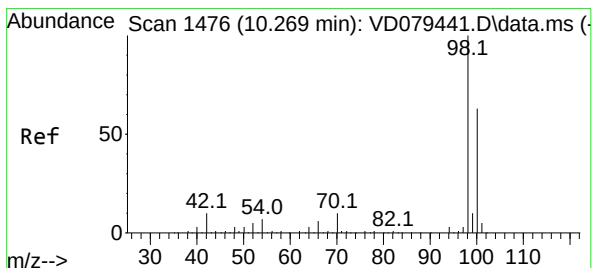
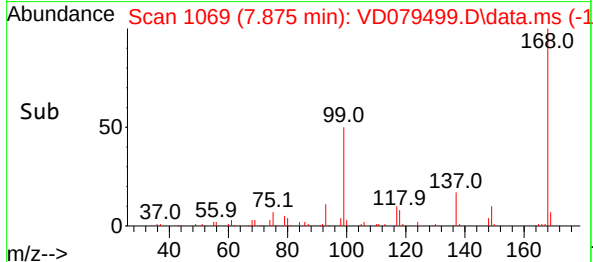
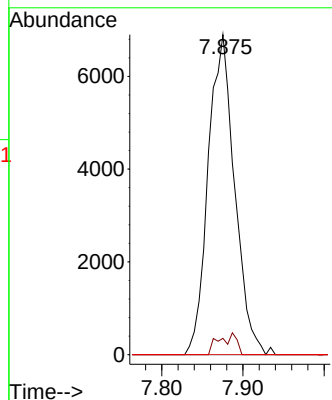
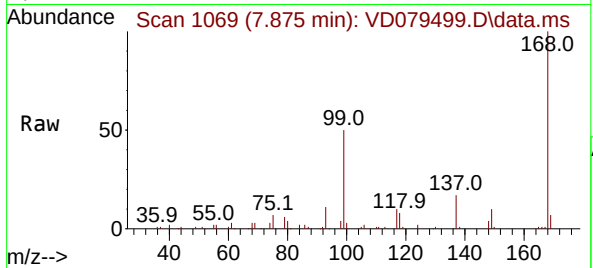




#38  
Carbon Tetrachloride  
Concen: 5.730 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.112 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

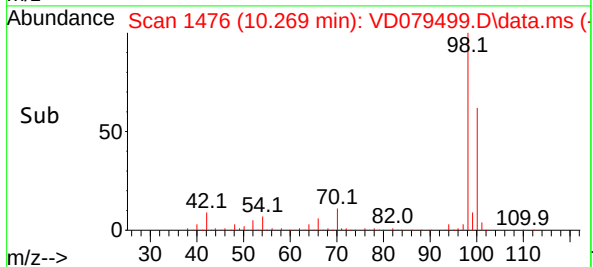
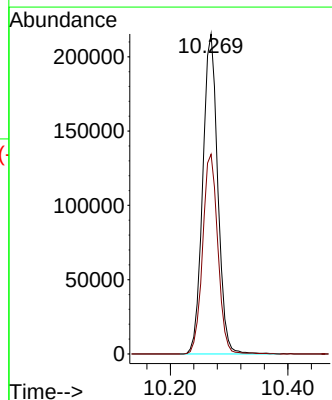
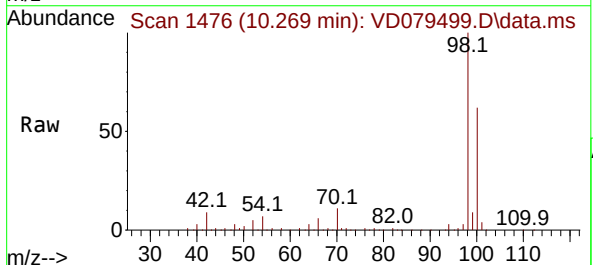
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-PCS-05-072324

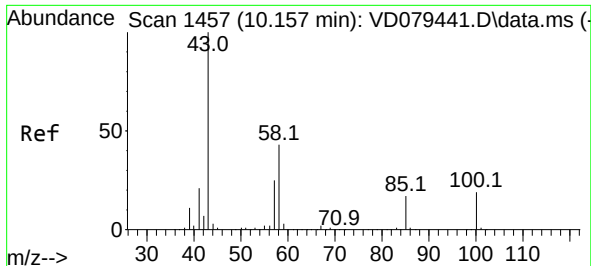
Tgt Ion:117 Resp: 15649  
Ion Ratio Lower Upper  
117 100  
119 5.1 75.4 113.0#  
121 0.0 25.0 37.4#



#50  
Toluene-d8  
Concen: 51.738 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 98 Resp: 382458  
Ion Ratio Lower Upper  
98 100  
100 63.0 51.6 77.4

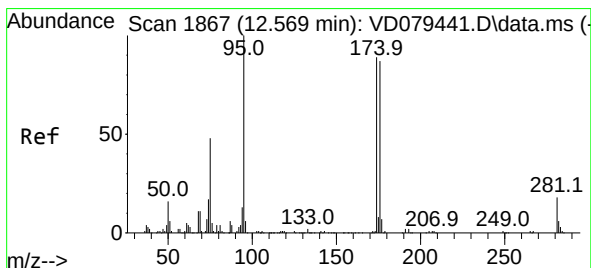
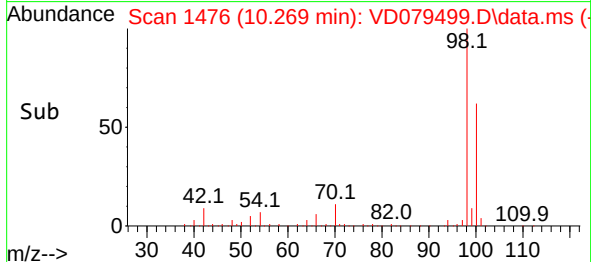
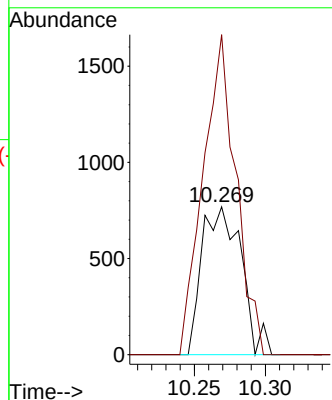
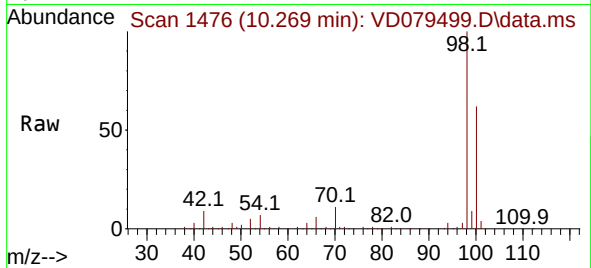




#51  
4-Methyl-2-Pentanone  
Concen: 1.449 ug/l  
RT: 10.269 min Scan# 1457  
Delta R.T. 0.112 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

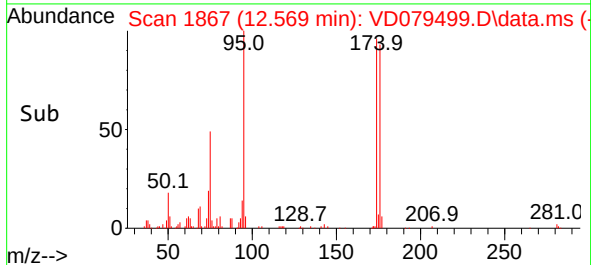
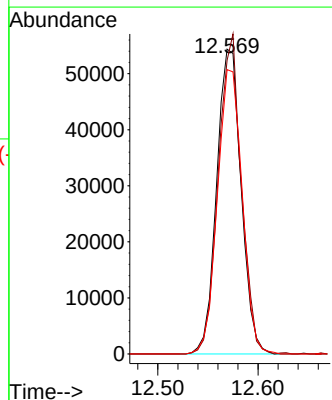
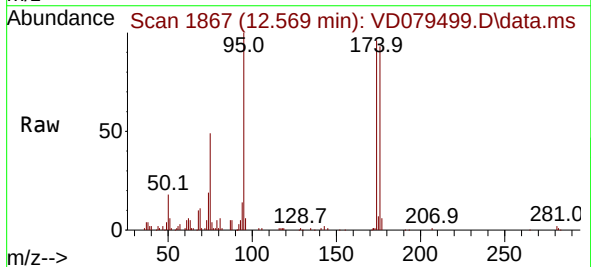
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-PCS-05-072324

Tgt Ion: 43 Resp: 1481  
Ion Ratio Lower Upper  
43 100  
58 180.8 36.6 55.0#

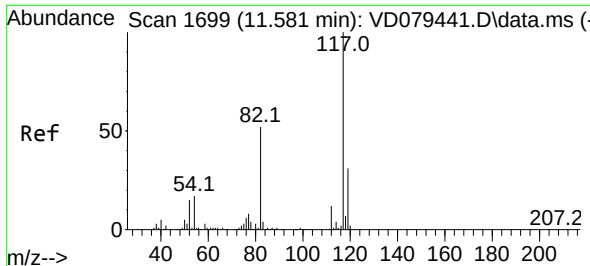


#62  
4-Bromofluorobenzene  
Concen: 43.031 ug/l  
RT: 12.569 min Scan# 1867  
Delta R.T. 0.000 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 95 Resp: 92050  
Ion Ratio Lower Upper  
95 100  
174 98.7 0.0 195.4  
176 94.6 0.0 192.6



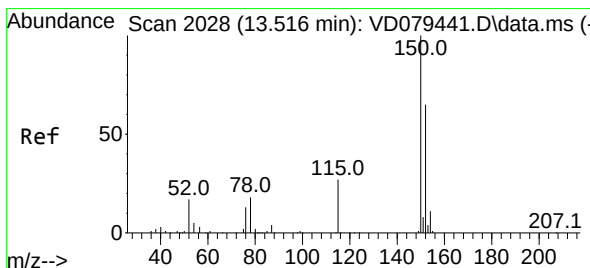
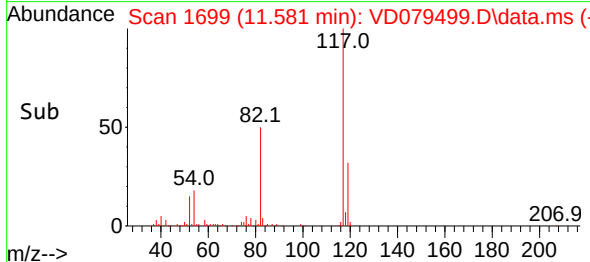
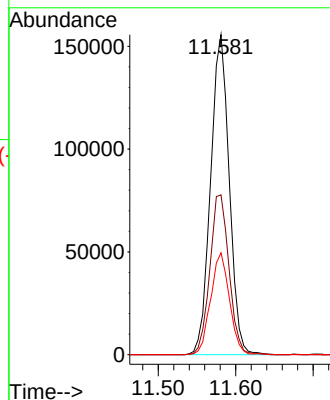
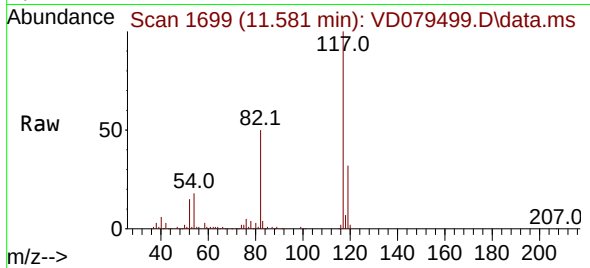




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

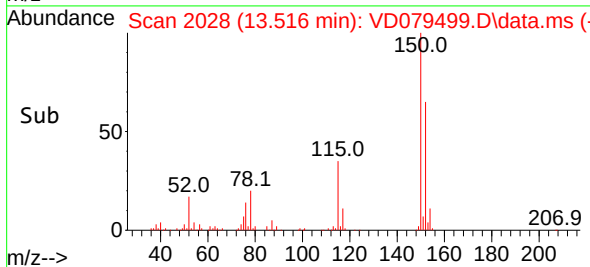
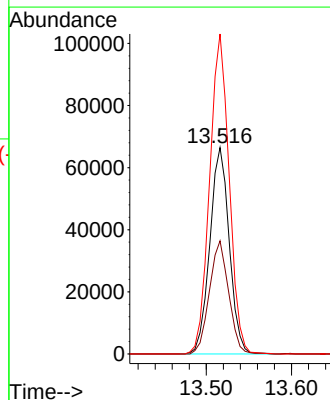
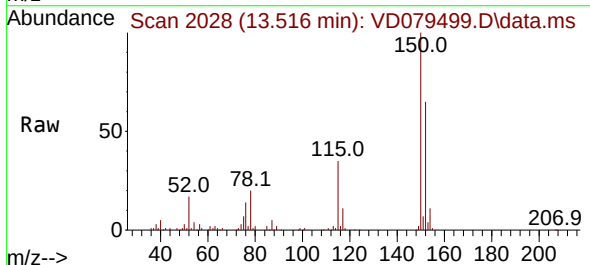
Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-PCS-05-072324

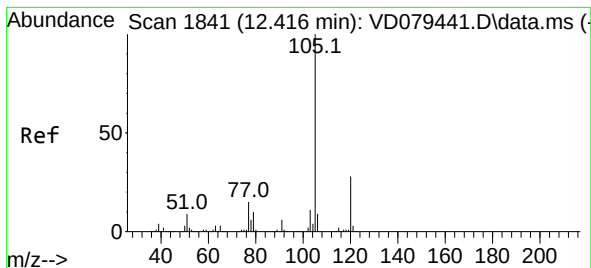
Tgt Ion:117 Resp: 259897  
Ion Ratio Lower Upper  
117 100  
82 50.0 39.8 59.6  
119 31.8 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion:152 Resp: 105231  
Ion Ratio Lower Upper  
152 100  
115 54.3 26.5 79.5  
150 155.5 0.0 341.6





#73

Isopropylbenzene

Concen: 3.635 ug/l

RT: 12.434 min Scan# 1844

Delta R.T. 0.018 min

Lab File: VD079499.D

Acq: 31 Jul 2024 16:23

Instrument :

MSVOA\_D

ClientSampleId :

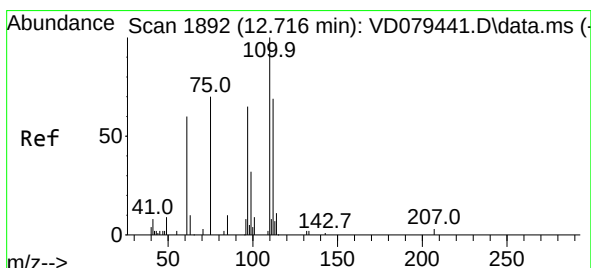
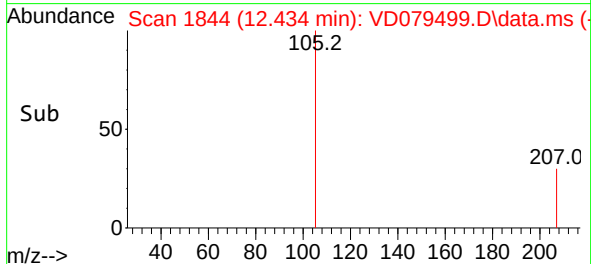
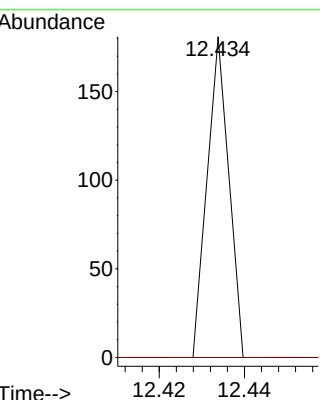
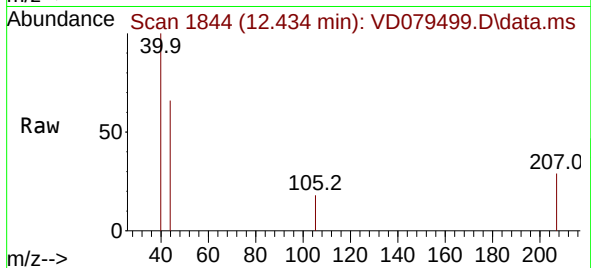
OU4-PCS-05-072324

Tgt Ion:105 Resp: 64

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.7#



#76

1,2,3-Trichloropropane

Concen: 49.179 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.147 min

Lab File: VD079499.D

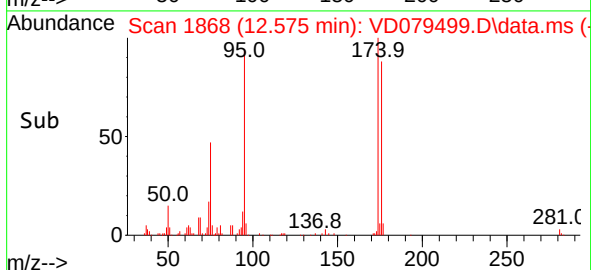
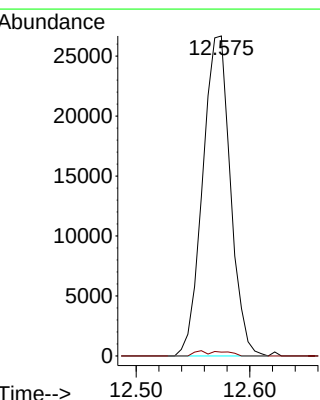
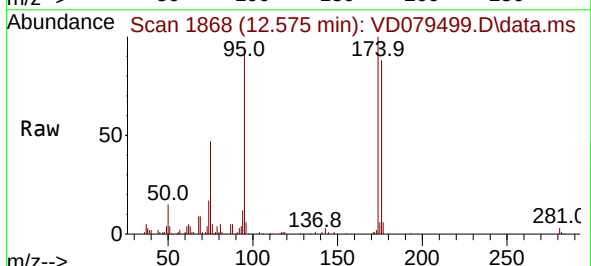
Acq: 31 Jul 2024 16:23

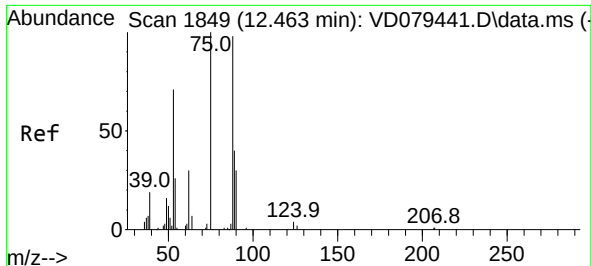
Tgt Ion: 75 Resp: 45236

Ion Ratio Lower Upper

75 100

77 0.7 0.0 0.0#

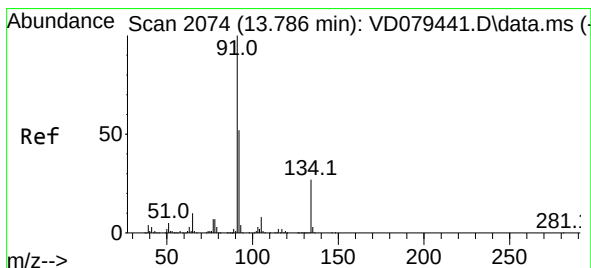
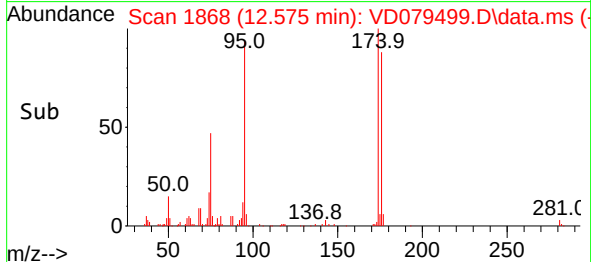
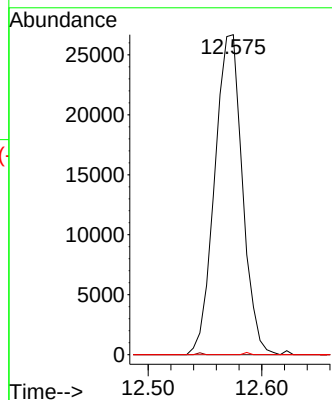
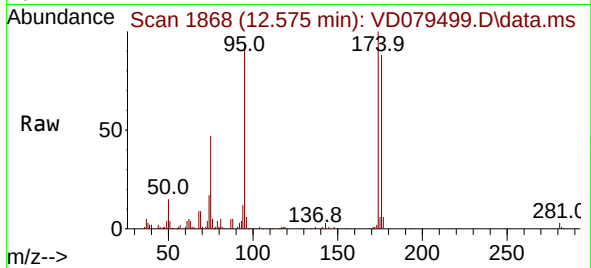




#81  
trans-1,4-Dichloro-2-butene  
Concen: 93.798 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.106 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Instrument :  
MSVOA\_D  
ClientSampleId :  
OU4-PCS-05-072324

Tgt Ion: 75 Resp: 45236  
Ion Ratio Lower Upper  
75 100  
53 0.0 61.4 92.2#  
89 0.1 35.4 53.0#



#89  
n-Butylbenzene  
Concen: 3.799 ug/l  
RT: 13.787 min Scan# 2074  
Delta R.T. 0.006 min  
Lab File: VD079499.D  
Acq: 31 Jul 2024 16:23

Tgt Ion: 91 Resp: 122  
Ion Ratio Lower Upper  
91 100  
92 0.0 25.7 77.0#  
134 0.0 13.6 40.8#

