

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX121522\  
 Data File : VX033437.D  
 Acq On : 15 Dec 2022 13:18  
 Operator : JC/MD  
 Sample : N6070-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OWBR-02-160-180-121422

Quant Time: Dec 16 01:01:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X120722W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Dec 07 12:43:54 2022  
 Response via : Initial Calibration

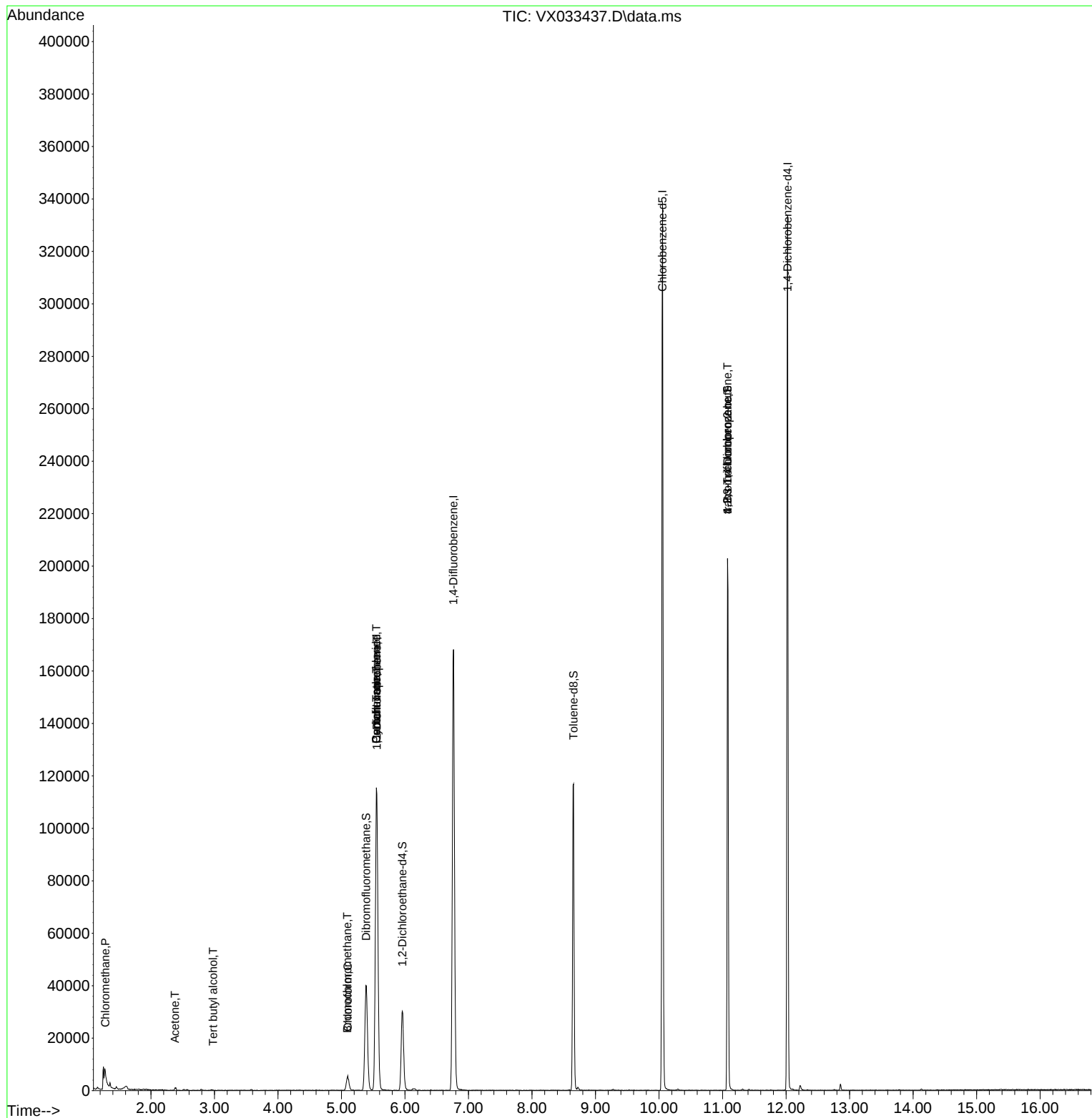
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Pentafluorobenzene         | 5.550  | 168   | 111282   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 176885   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 155365   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 69614    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 31663    | 44.351   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 78 - 117 | Recovery | =      | 88.700%  |
| 35) Dibromofluoromethane      | 5.385  | 113   | 35505    | 44.627   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery | =      | 89.260%  |
| 50) Toluene-d8                | 8.653  | 98    | 72776    | 43.727   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 92 - 112 | Recovery | =      | 87.460%# |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 53495    | 42.037   | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery | =      | 84.080%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.282  | 50    | 394      | 0.438    | ug/l # | 43       |
| 11) Tert butyl alcohol        | 2.977  | 59    | 53       | 0.243    | ug/l # | 72       |
| 16) Acetone                   | 2.379  | 43    | 1234     | 2.336    | ug/l # | 83       |
| 28) Bromochloromethane        | 5.092  | 49    | 414      | 0.488    | ug/l # | 9        |
| 30) Chloroform                | 5.098  | 83    | 6355     | 2.822    | ug/l   | 94       |
| 31) Cyclohexane               | 5.550  | 56    | 2161     | 1.274    | ug/l # | 11       |
| 36) 1,1-Dichloropropene       | 5.556  | 75    | 8416     | 5.426    | ug/l # | 50       |
| 38) Carbon Tetrachloride      | 5.550  | 117   | 11777    | 6.777    | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 28574    | 20.175   | ug/l # | 37       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 28574    | 62.758   | ug/l # | 6        |
| -----                         |        |       |          |          |        |          |

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

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OWBR-02-160-180-121422

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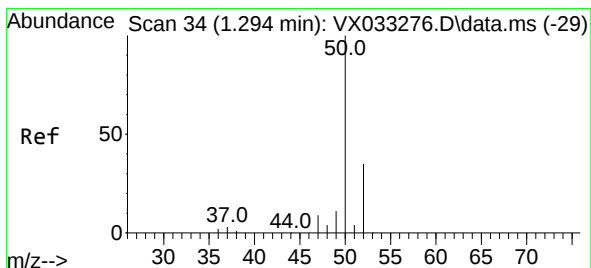
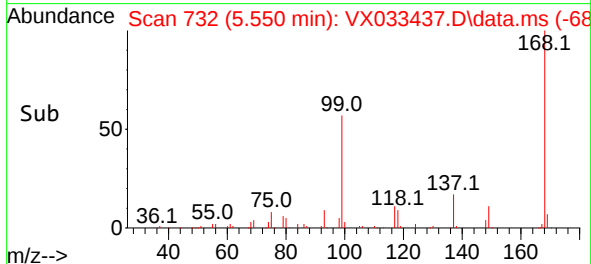
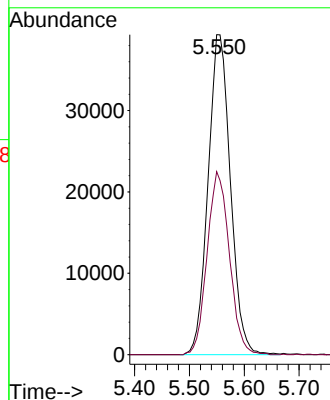
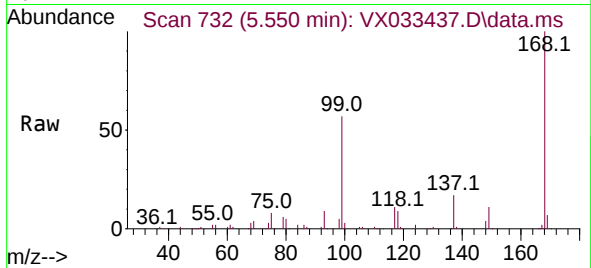




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

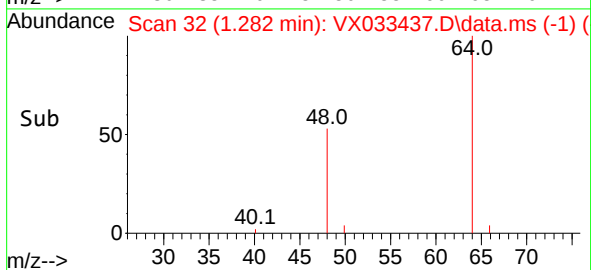
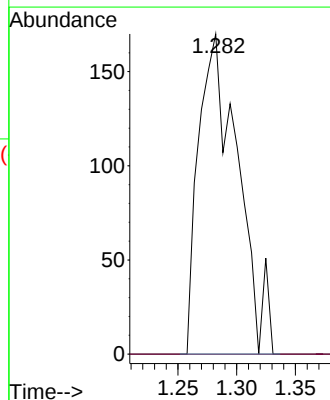
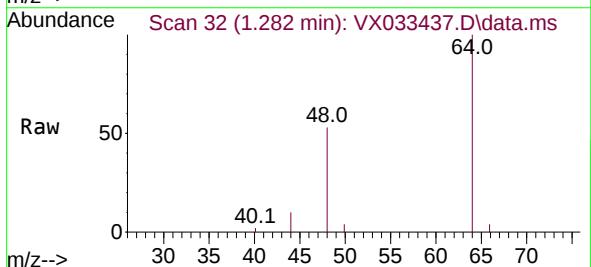
Instrument :  
MSVOA\_X  
ClientSampleId :  
OWBR-02-160-180-121422

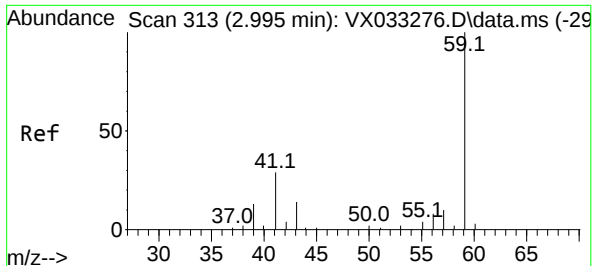
Tgt Ion:168 Resp: 111282  
Ion Ratio Lower Upper  
168 100  
99 57.2 46.1 69.1



#3  
Chloromethane  
Concen: 0.438 ug/l  
RT: 1.282 min Scan# 32  
Delta R.T. -0.012 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Tgt Ion: 50 Resp: 394  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.243 ug/l

RT: 2.977 min Scan# 31

Delta R.T. -0.018 min

Lab File: VX033437.D

Acq: 15 Dec 2022 13:18

Instrument :

MSVOA\_X

ClientSampleId :

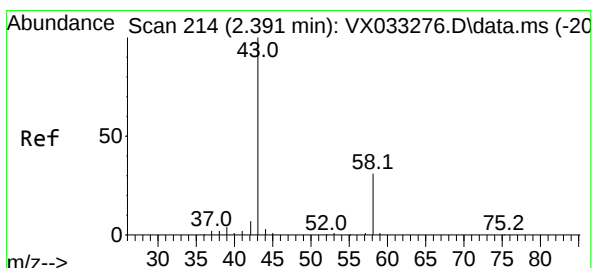
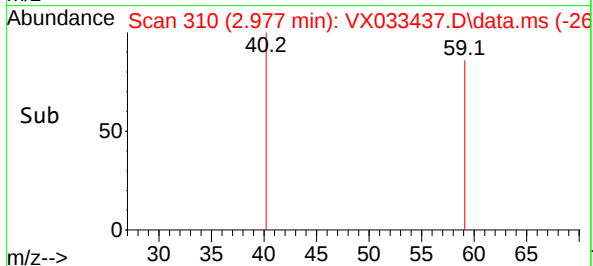
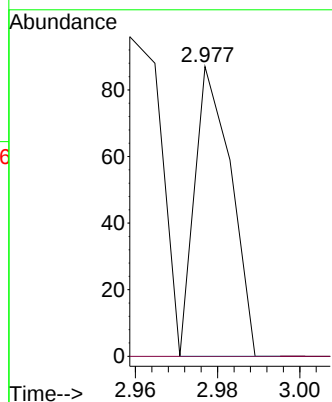
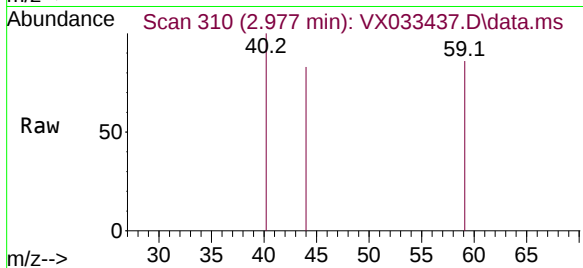
OWBR-02-160-180-121422

Tgt Ion: 59 Resp: 53

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 2.336 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX033437.D

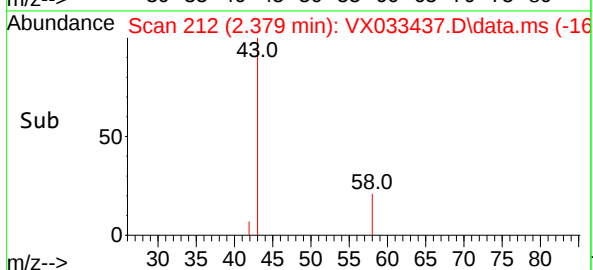
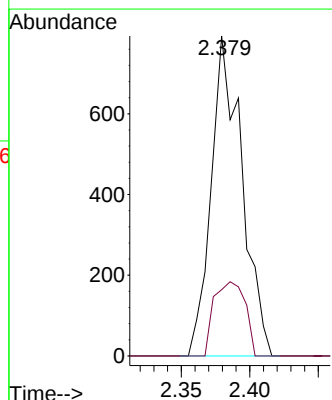
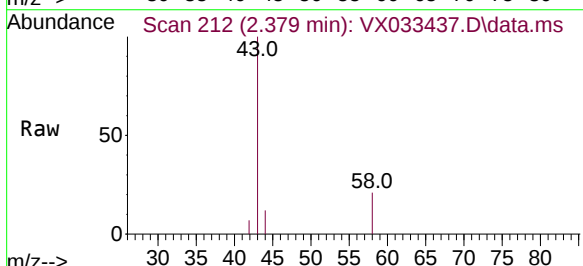
Acq: 15 Dec 2022 13:18

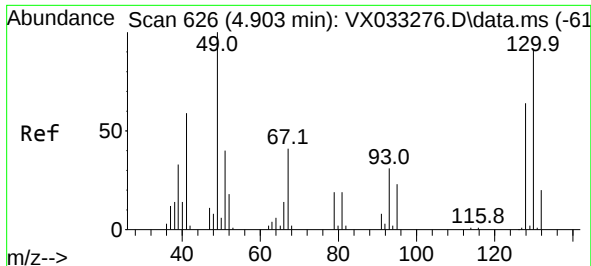
Tgt Ion: 43 Resp: 1234

Ion Ratio Lower Upper

43 100

58 20.7 23.8 35.8#





#28

Bromochloromethane

Concen: 0.488 ug/l

RT: 5.092 min Scan# 61

Delta R.T. 0.189 min

Lab File: VX033437.D

Acq: 15 Dec 2022 13:18

Instrument :

MSVOA\_X

ClientSampleId :

OWBR-02-160-180-121422

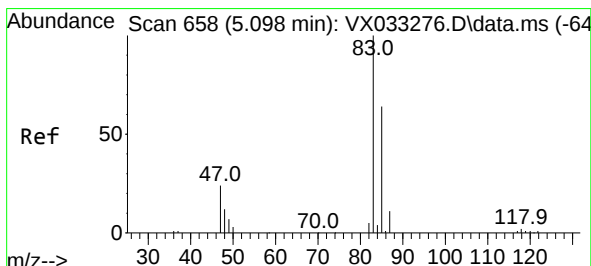
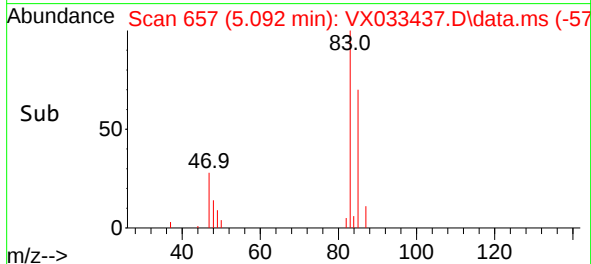
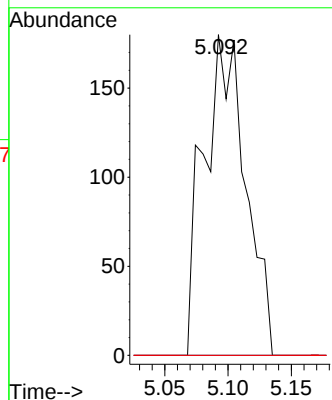
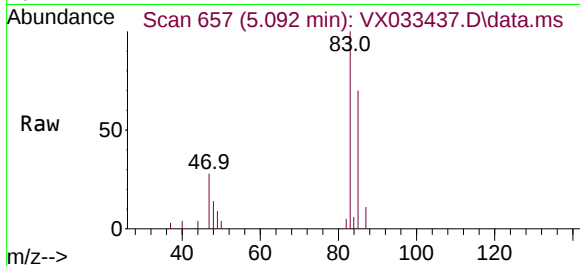
Tgt Ion: 49 Resp: 414

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

130 0.0 67.5 101.3#



#30

Chloroform

Concen: 2.822 ug/l

RT: 5.098 min Scan# 658

Delta R.T. 0.000 min

Lab File: VX033437.D

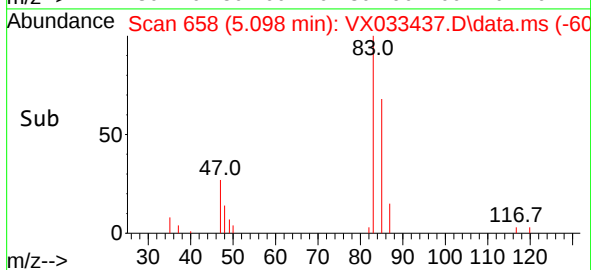
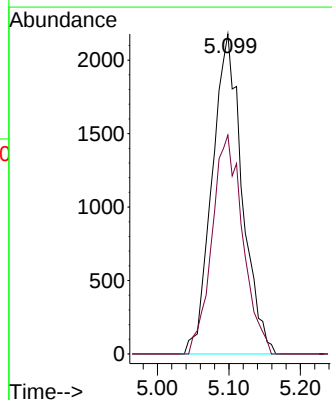
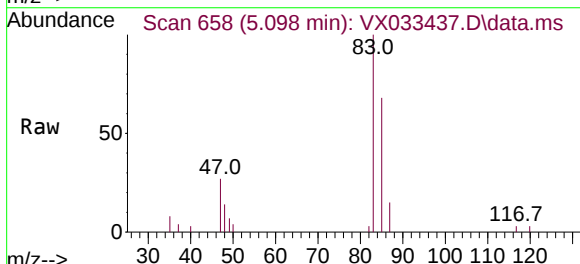
Acq: 15 Dec 2022 13:18

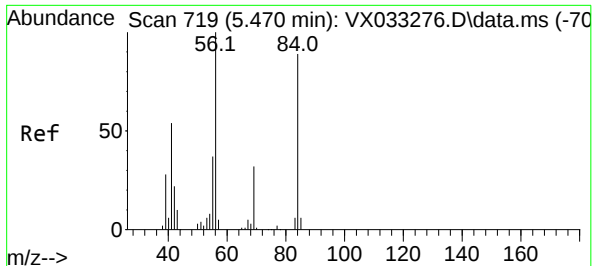
Tgt Ion: 83 Resp: 6355

Ion Ratio Lower Upper

83 100

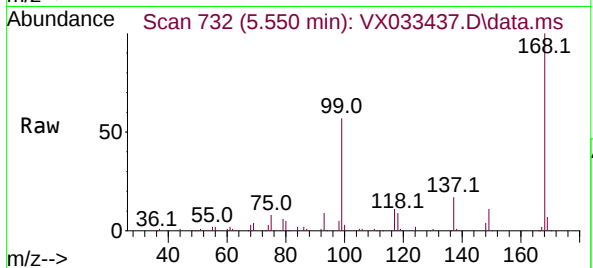
85 68.4 51.1 76.7



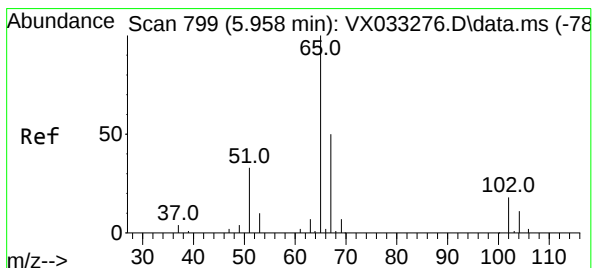
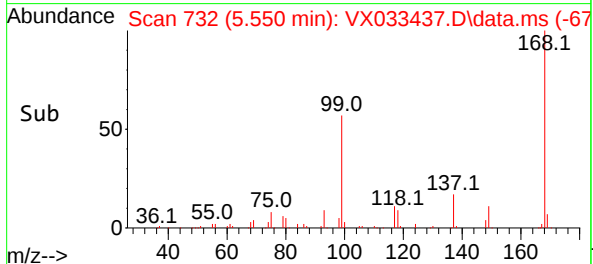
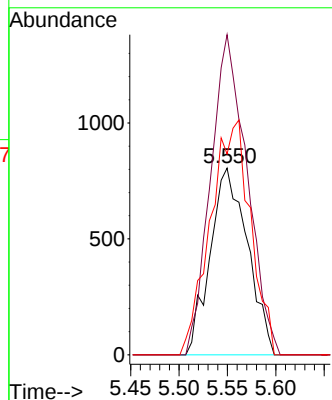


#31  
Cyclohexane  
Concen: 1.274 ug/l  
RT: 5.550 min Scan# 719  
Delta R.T. 0.079 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
OWBR-02-160-180-121422

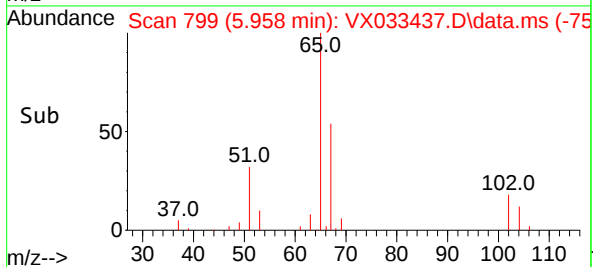
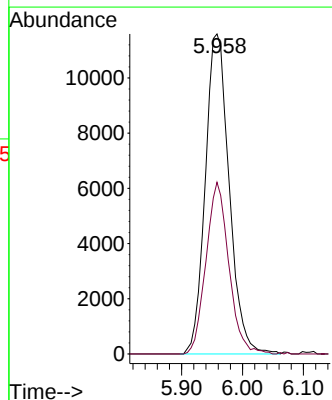
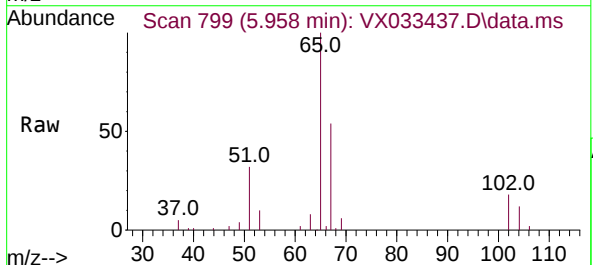


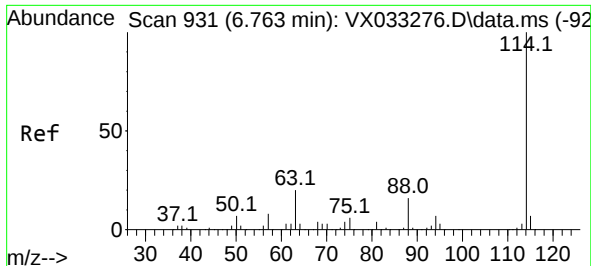
Tgt Ion: 56 Resp: 2161  
Ion Ratio Lower Upper  
56 100  
69 171.6 24.1 36.1#  
84 107.6 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 44.351 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Tgt Ion: 65 Resp: 31663  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 101.8

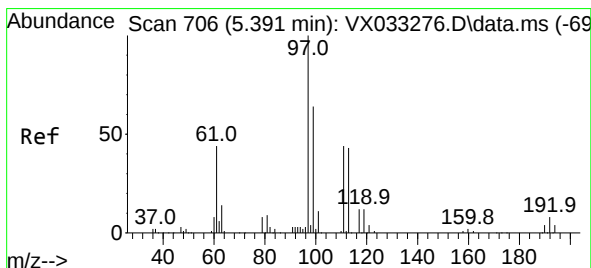
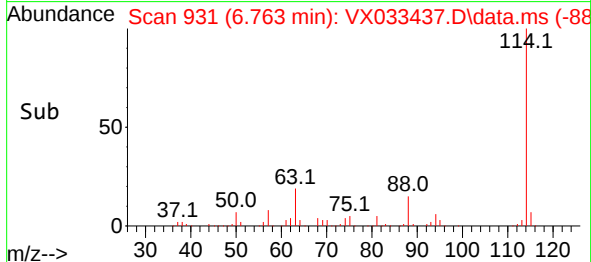
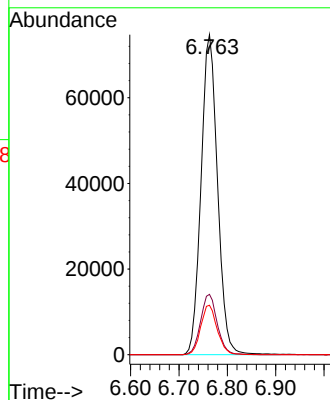
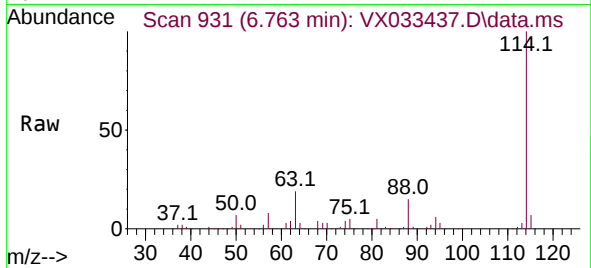




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

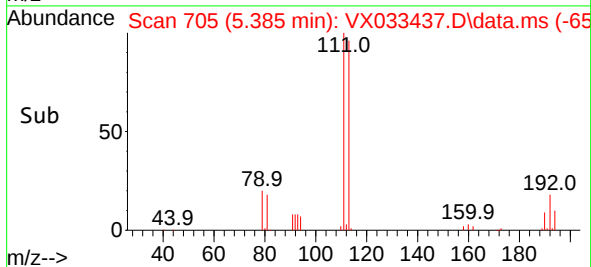
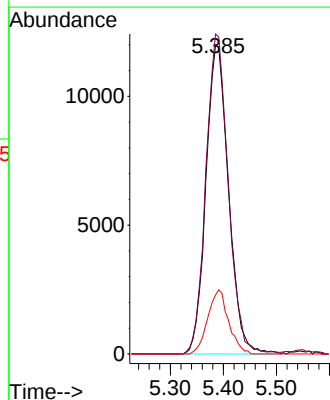
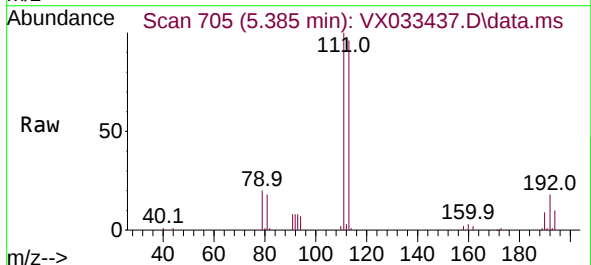
Instrument :  
MSVOA\_X  
ClientSampleId :  
OWBR-02-160-180-121422

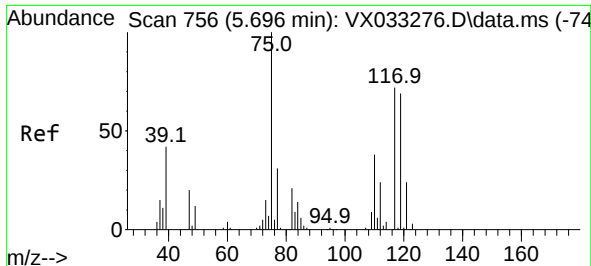
Tgt Ion:114 Resp: 176885  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 41.6  
88 15.5 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 44.627 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. -0.006 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Tgt Ion:113 Resp: 35505  
Ion Ratio Lower Upper  
113 100  
111 102.4 82.4 123.6  
192 19.1 15.4 23.2

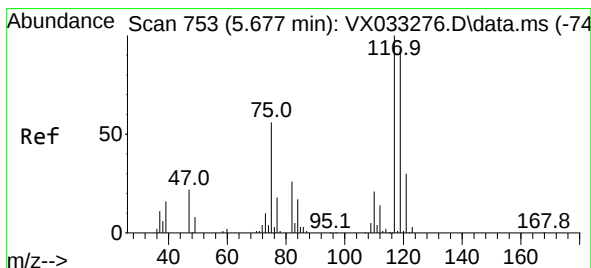
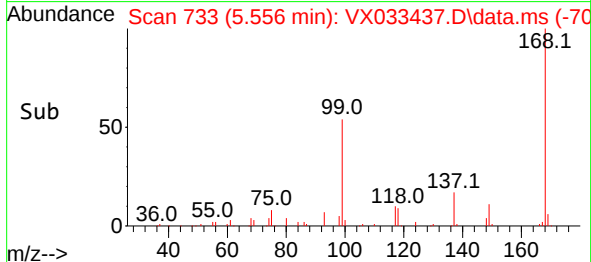
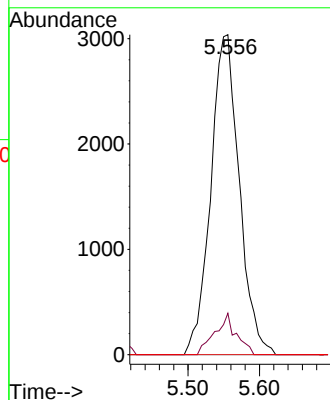
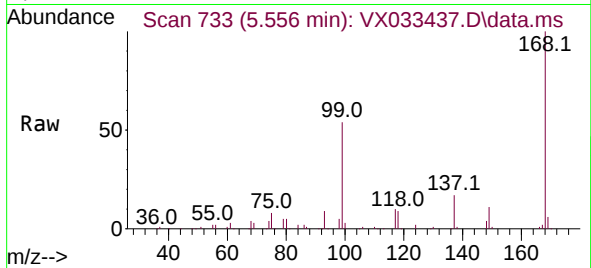




#36  
1,1-Dichloropropene  
Concen: 5.426 ug/l  
RT: 5.556 min Scan# 714  
Delta R.T. -0.140 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

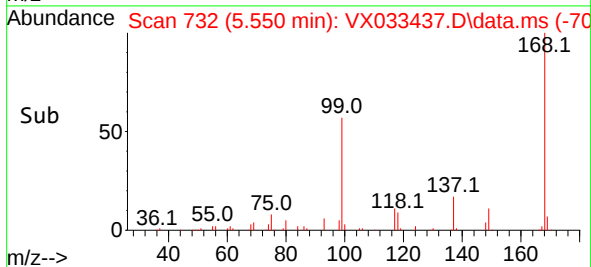
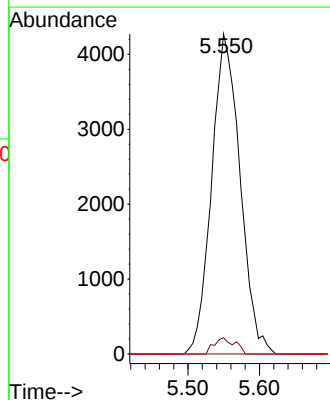
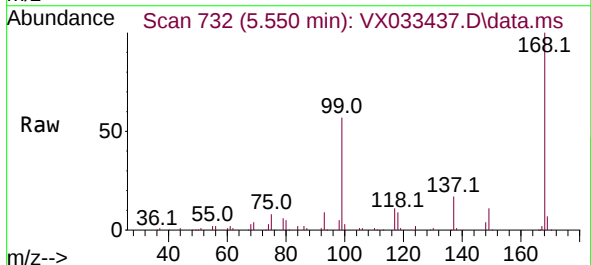
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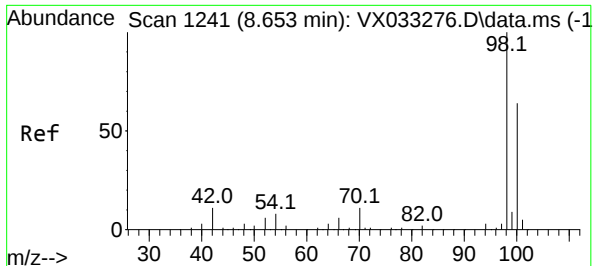
Tgt Ion: 75 Resp: 8416  
Ion Ratio Lower Upper  
75 100  
110 9.6 18.4 55.2#  
77 0.0 24.5 36.7#



#38  
Carbon Tetrachloride  
Concen: 6.777 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. -0.128 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Tgt Ion: 117 Resp: 11777  
Ion Ratio Lower Upper  
117 100  
119 5.1 77.2 115.8#  
121 0.0 25.8 38.6#

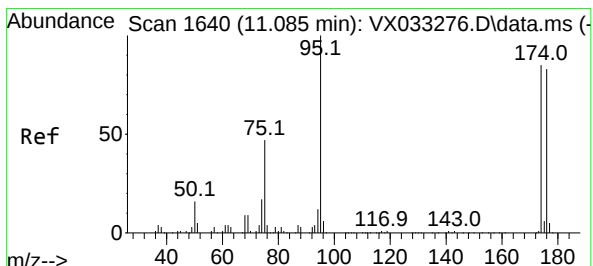
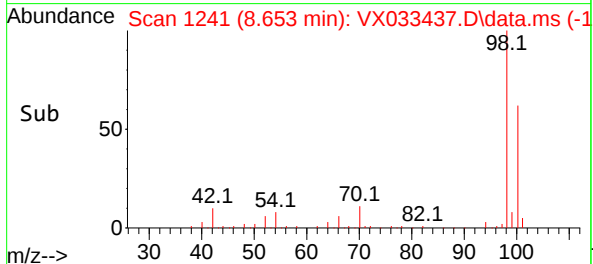
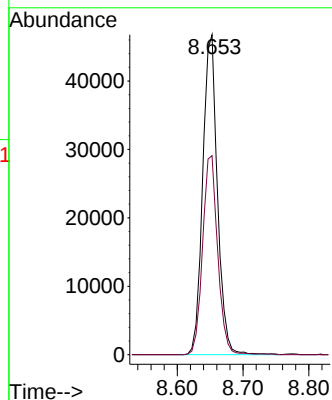
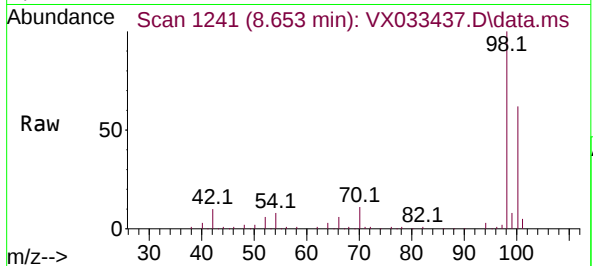




#50  
Toluene-d8  
Concen: 43.727 ug/l  
RT: 8.653 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

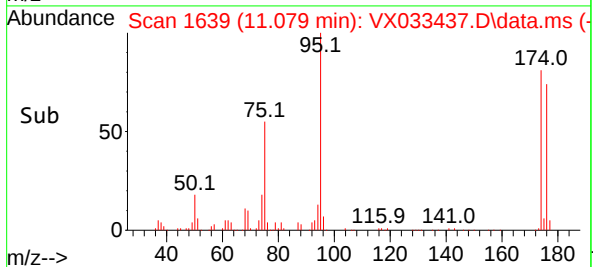
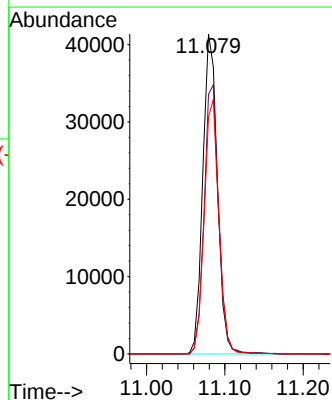
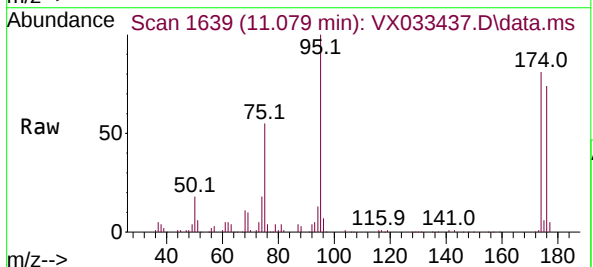
Instrument :  
MSVOA\_X  
ClientSampleId :  
OWBR-02-160-180-121422

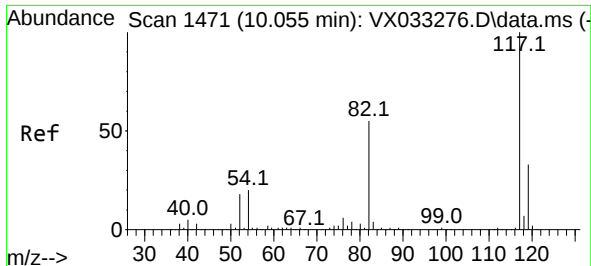
Tgt Ion: 98 Resp: 72776  
Ion Ratio Lower Upper  
98 100  
100 63.7 50.9 76.3



#62  
4-Bromofluorobenzene  
Concen: 42.037 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.006 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Tgt Ion: 95 Resp: 53495  
Ion Ratio Lower Upper  
95 100  
174 84.5 0.0 164.0  
176 79.2 0.0 154.4

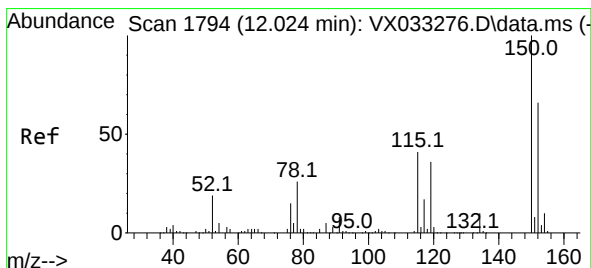
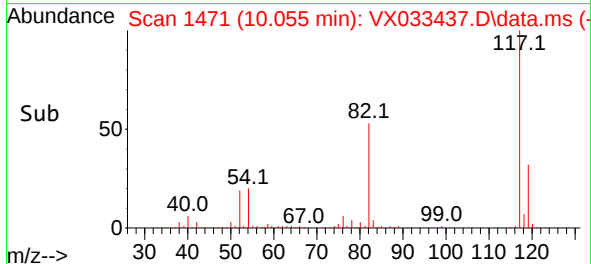
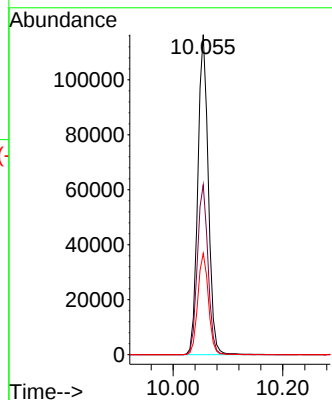
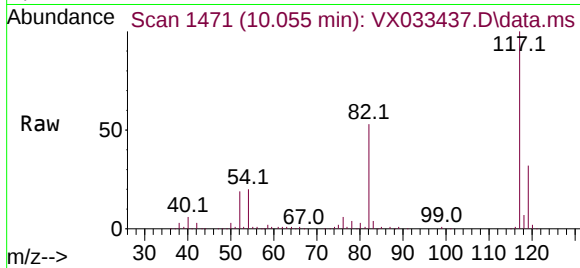




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

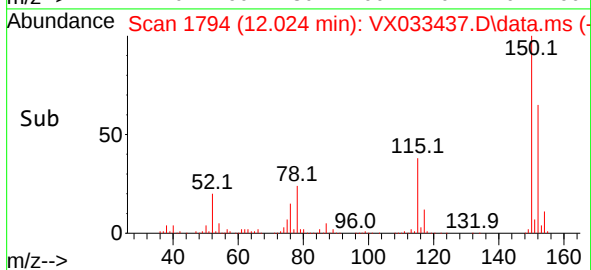
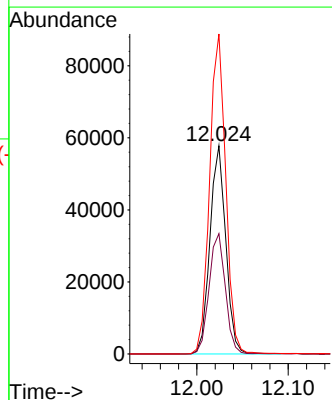
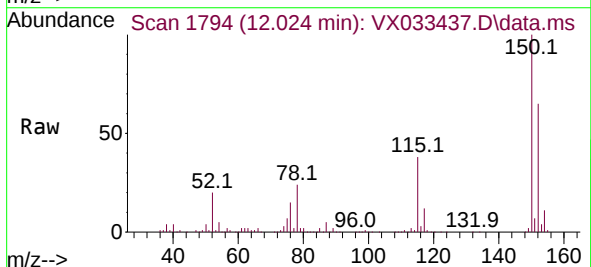
Instrument :  
MSVOA\_X  
ClientSampleId :  
OWBR-02-160-180-121422

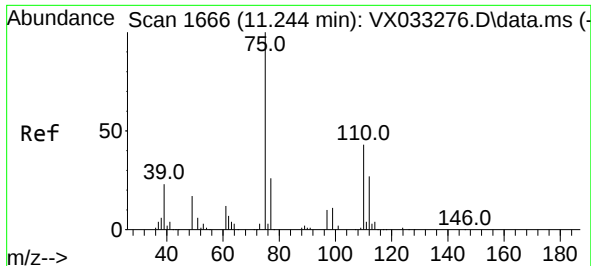
Tgt Ion:117 Resp: 155365  
Ion Ratio Lower Upper  
117 100  
82 53.1 44.3 66.5  
119 31.7 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Tgt Ion:152 Resp: 69614  
Ion Ratio Lower Upper  
152 100  
115 59.4 44.0 132.0  
150 155.9 0.0 351.8

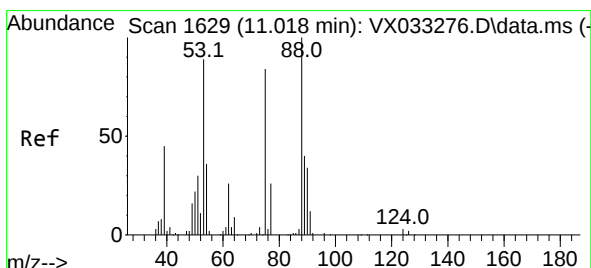
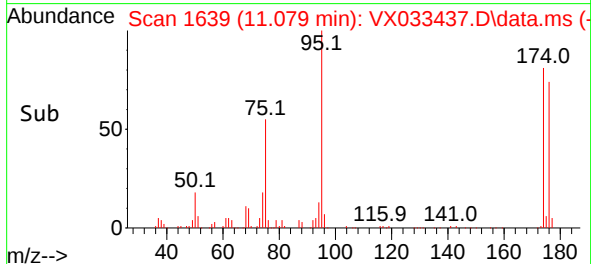
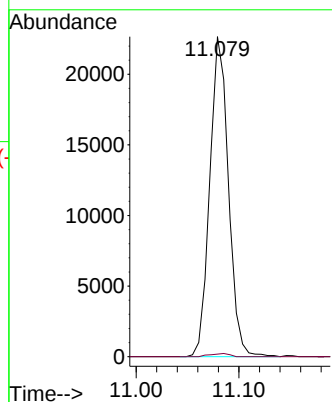
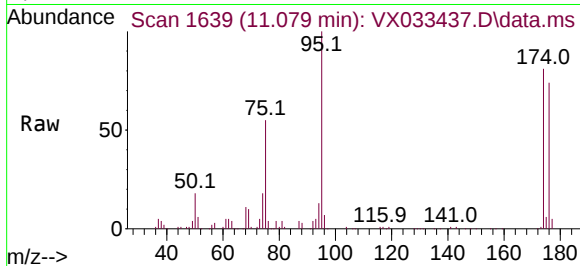




#76  
1,2,3-Trichloropropane  
Concen: 20.175 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.164 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Instrument :  
MSVOA\_X  
ClientSampleId :  
OWBR-02-160-180-121422

Tgt Ion: 75 Resp: 28574  
Ion Ratio Lower Upper  
75 100  
77 1.0 20.0 60.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 62.758 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.061 min  
Lab File: VX033437.D  
Acq: 15 Dec 2022 13:18

Tgt Ion: 75 Resp: 28574  
Ion Ratio Lower Upper  
75 100  
53 0.0 86.9 130.3#  
89 0.0 38.3 57.5#

