

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU053123\  
 Data File : VU054345.D  
 Acq On : 31 May 2023 18:11  
 Operator : JC/MD  
 Sample : PB153123ZHE#04  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 PB153123ZHE#04

Quant Time: Jun 01 05:24:19 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 26 06:40:51 2023  
 Response via : Initial Calibration

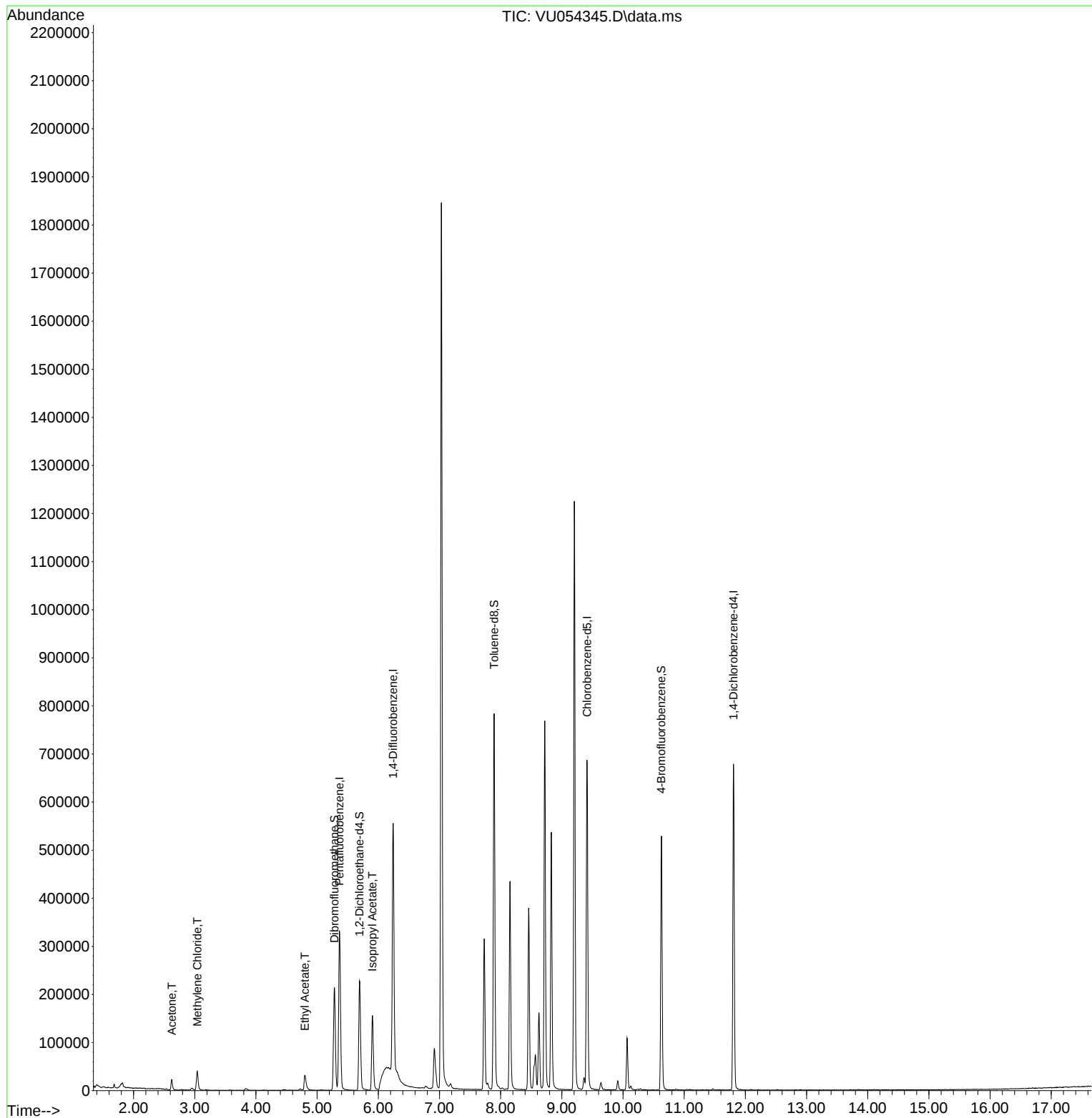
| Compound                    | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|--------|----------|
| -----                       |           |       |          |          |        |          |
| Internal Standards          |           |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.366     | 168   | 241648   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.244     | 114   | 420448   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 9.414     | 117   | 398957   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 11.806    | 152   | 186118   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.694     | 65    | 169370   | 53.467   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | =      | 106.940% |
| 35) Dibromofluoromethane    | 5.282     | 113   | 140983   | 52.070   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =      | 104.140% |
| 50) Toluene-d8              | 7.893     | 98    | 520648   | 50.554   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | =      | 101.100% |
| 62) 4-Bromofluorobenzene    | 10.626    | 95    | 177357   | 44.414   | ug/l   | 0.00     |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =      | 88.820%  |
| Target Compounds            |           |       |          |          |        |          |
|                             |           |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.623     | 43    | 23174    | 12.763   | ug/l   | 99       |
| 20) Methylene Chloride      | 3.041     | 84    | 20864    | 6.369    | ug/l   | 99       |
| 37) Ethyl Acetate           | 4.800     | 43    | 43714    | 8.434    | ug/l # | 92       |
| 43) Isopropyl Acetate       | 5.903     | 43    | 166512   | 23.292   | ug/l   | 98       |
| -----                       |           |       |          |          |        |          |

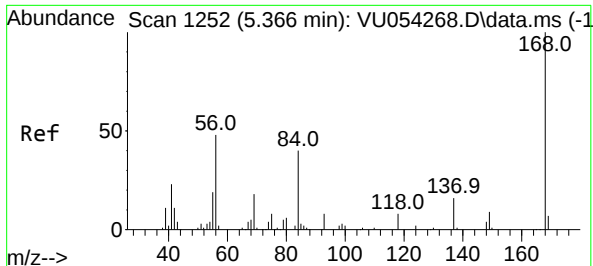
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U052523W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 26 06:40:51 2023  
Response via : Initial Calibration

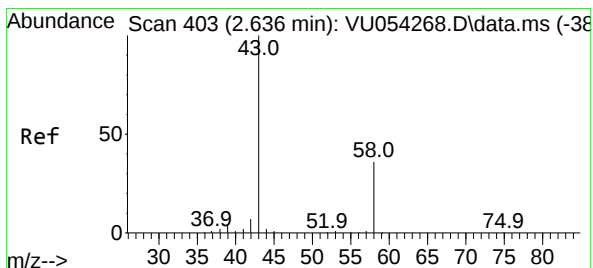
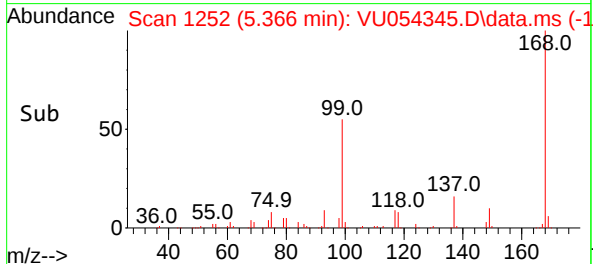
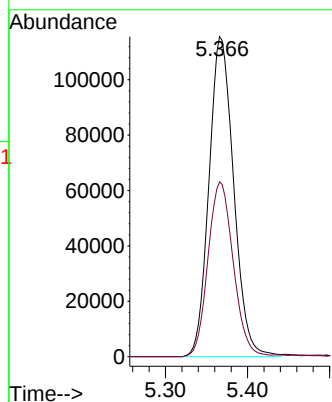
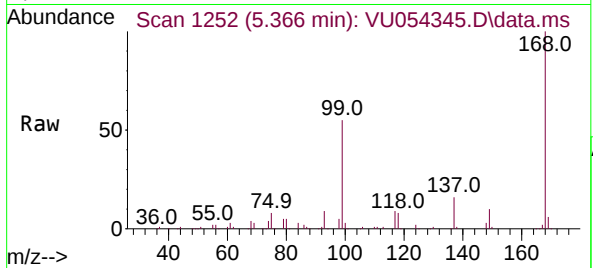




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.366 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

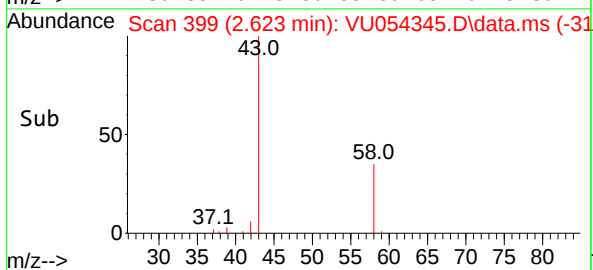
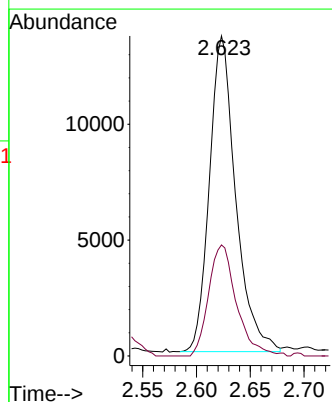
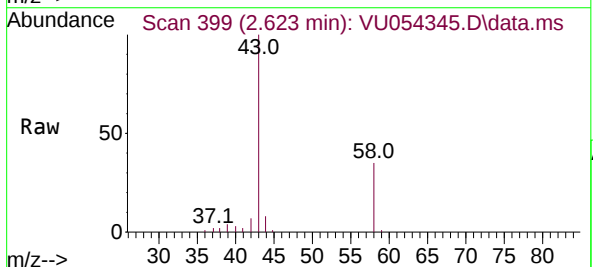
Instrument :  
MSVOA\_U  
ClientSampleId :  
PB153123ZHE#04

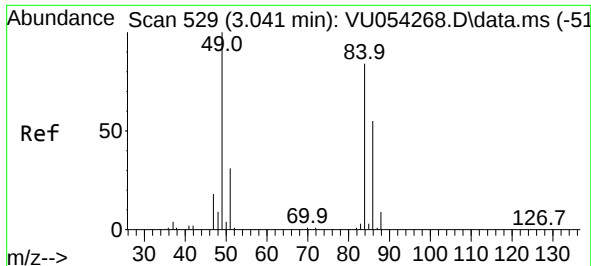
Tgt Ion:168 Resp: 241648  
Ion Ratio Lower Upper  
168 100  
99 54.6 39.3 58.9



#16  
Acetone  
Concen: 12.763 ug/l  
RT: 2.623 min Scan# 399  
Delta R.T. -0.013 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

Tgt Ion: 43 Resp: 23174  
Ion Ratio Lower Upper  
43 100  
58 35.2 27.5 41.3

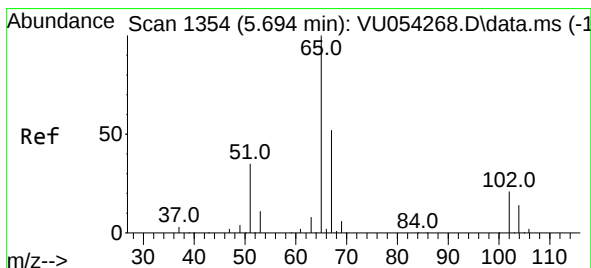
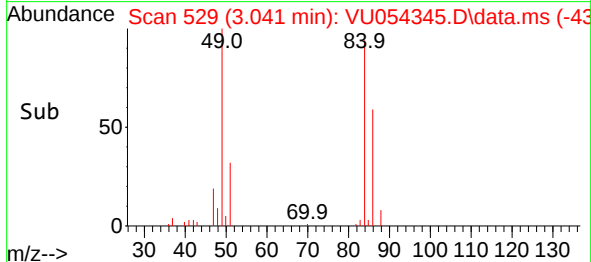
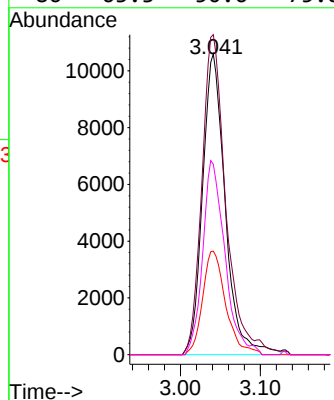
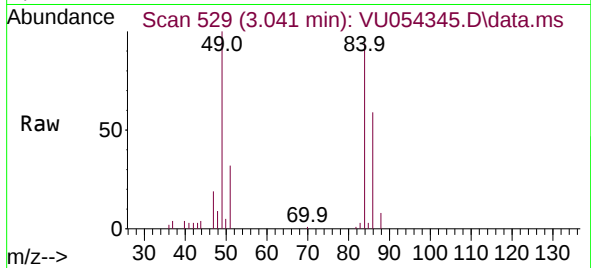




#20  
Methylene Chloride  
Concen: 6.369 ug/l  
RT: 3.041 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

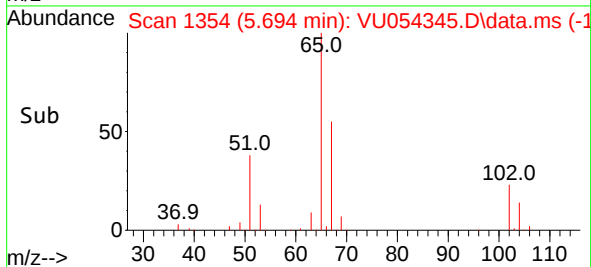
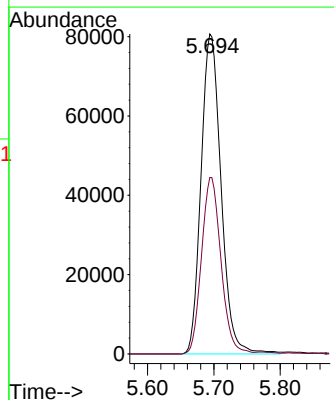
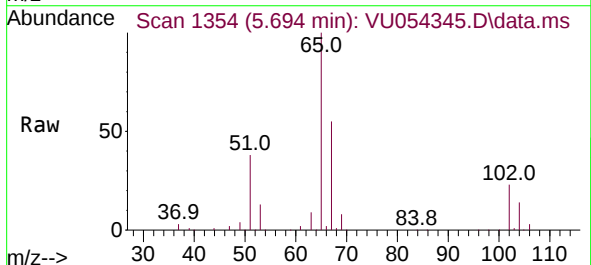
Instrument :  
MSVOA\_U  
ClientSampleId :  
PB153123ZHE#04

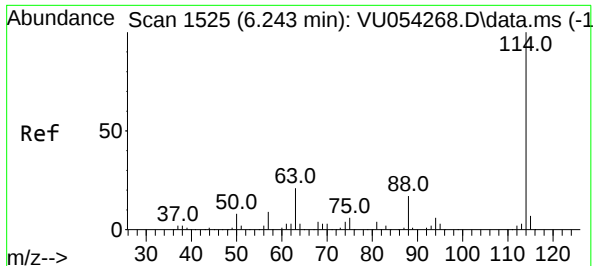
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 20864 |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 106.4    | 86.6 129.8  |
| 51 34.4     | 26.6 40.0   |
| 86 63.3     | 50.6 75.8   |



#33  
1,2-Dichloroethane-d4  
Concen: 53.467 ug/l  
RT: 5.694 min Scan# 1354  
Delta R.T. -0.000 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 169370 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 53.5     | 0.0 108.0    |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.244 min Scan# 1

Delta R.T. 0.001 min

Lab File: VU054345.D

Acq: 31 May 2023 18:11

Instrument :

MSVOA\_U

ClientSampleId :

PB153123ZHE#04

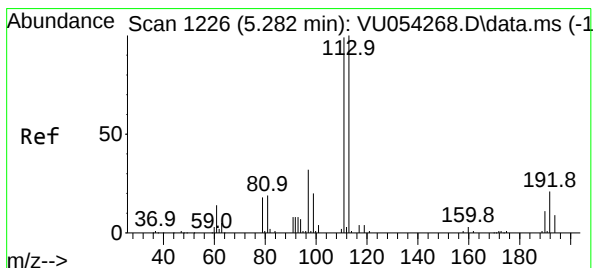
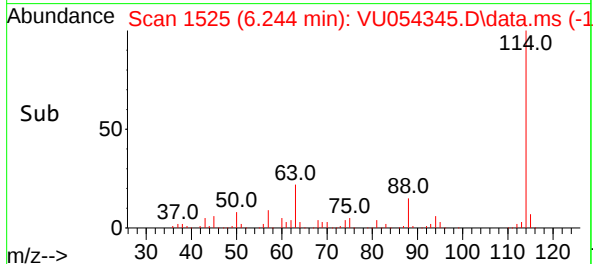
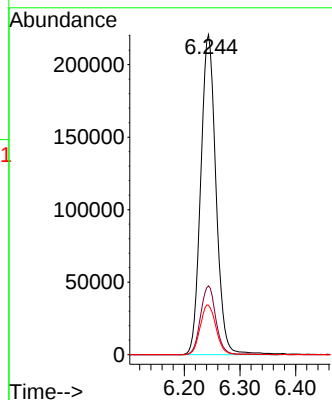
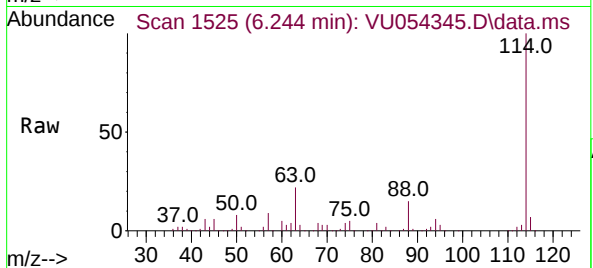
Tgt Ion:114 Resp: 420448

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.8

88 15.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 52.070 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. 0.000 min

Lab File: VU054345.D

Acq: 31 May 2023 18:11

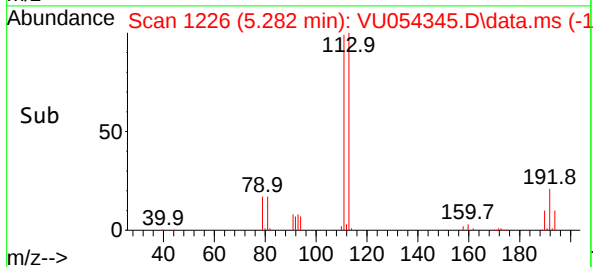
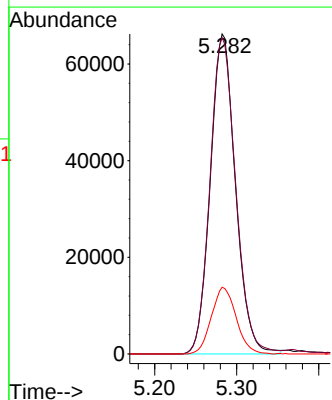
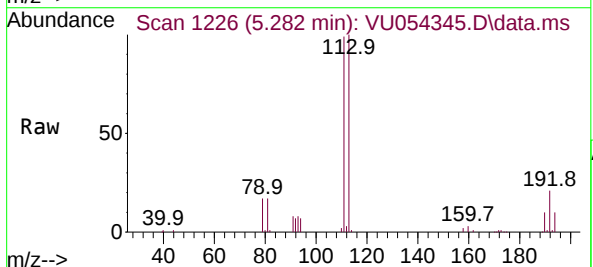
Tgt Ion:113 Resp: 140983

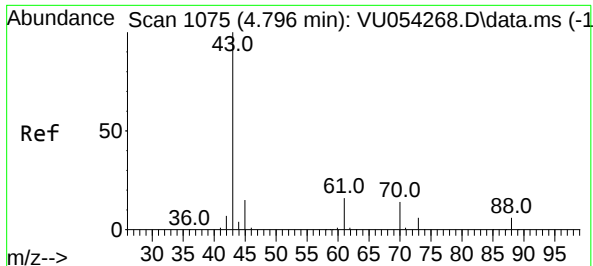
Ion Ratio Lower Upper

113 100

111 101.3 82.1 123.1

192 20.6 18.0 27.0





#37

Ethyl Acetate

Concen: 8.434 ug/l

RT: 4.800 min Scan# 1075

Delta R.T. 0.004 min

Lab File: VU054345.D

Acq: 31 May 2023 18:11

Instrument :

MSVOA\_U

ClientSampleId :

PB153123ZHE#04

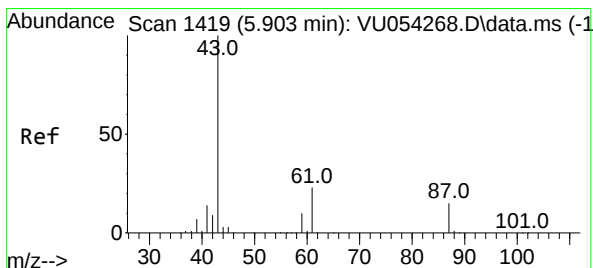
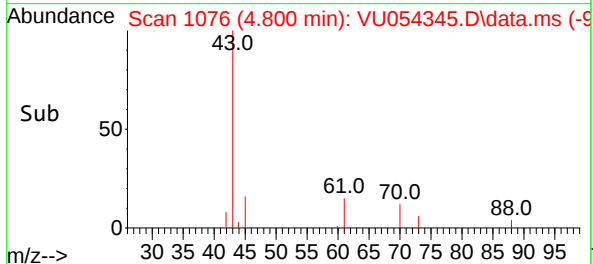
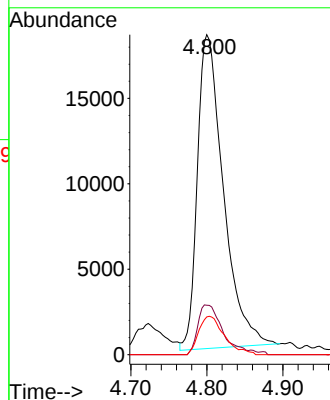
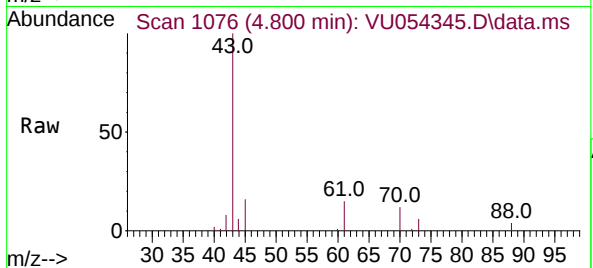
Tgt Ion: 43 Resp: 43714

Ion Ratio Lower Upper

43 100

61 15.3 9.5 14.3#

70 12.0 7.5 11.3#



#43

Isopropyl Acetate

Concen: 23.292 ug/l

RT: 5.903 min Scan# 1419

Delta R.T. -0.000 min

Lab File: VU054345.D

Acq: 31 May 2023 18:11

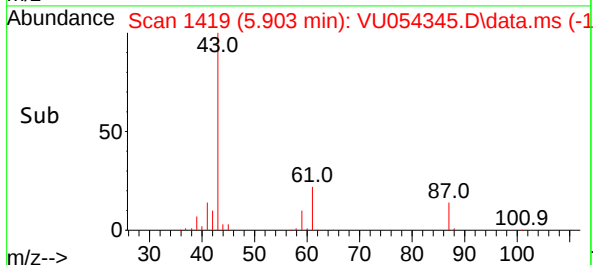
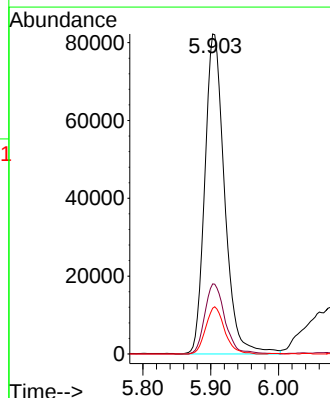
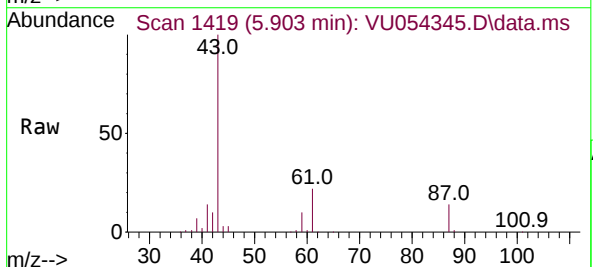
Tgt Ion: 43 Resp: 166512

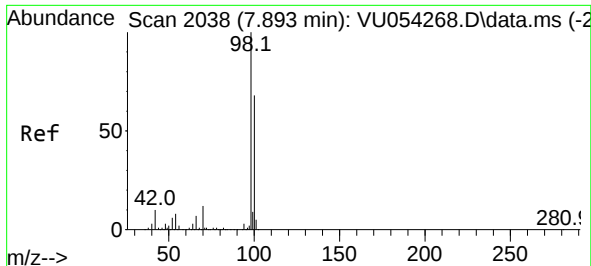
Ion Ratio Lower Upper

43 100

61 22.4 17.4 26.0

87 14.1 12.6 18.8

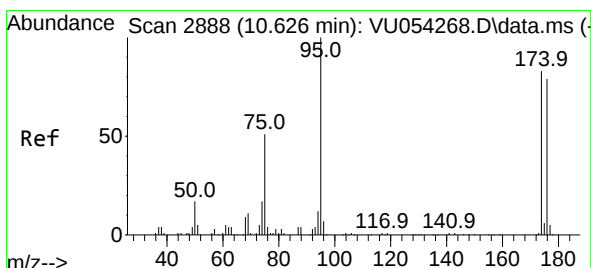
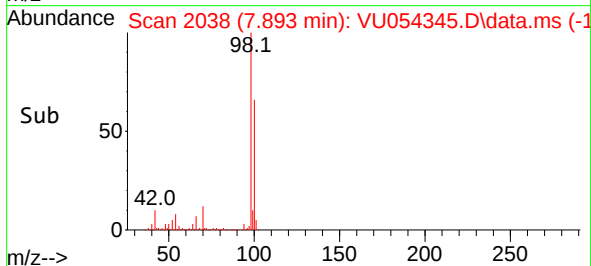
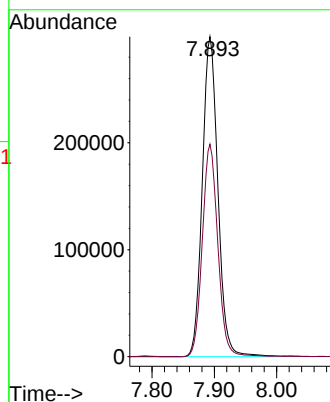
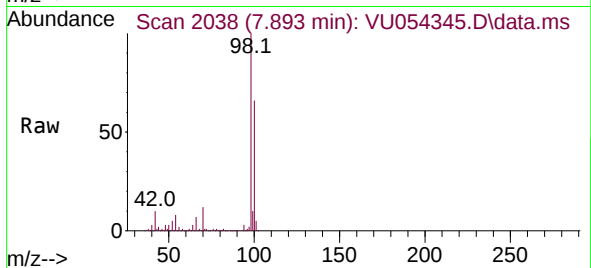




#50  
Toluene-d8  
Concen: 50.554 ug/l  
RT: 7.893 min Scan# 2038  
Delta R.T. 0.000 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

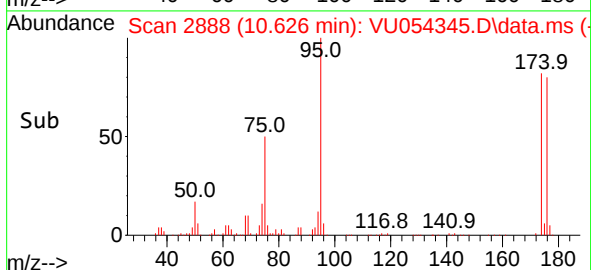
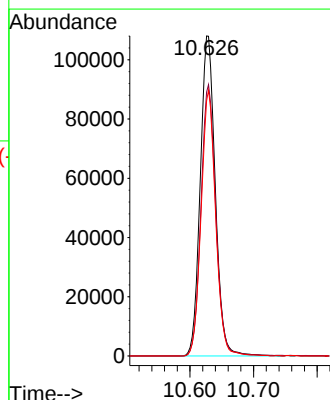
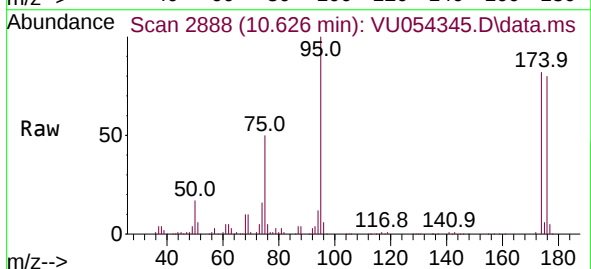
Instrument :  
MSVOA\_U  
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PB153123ZHE#04

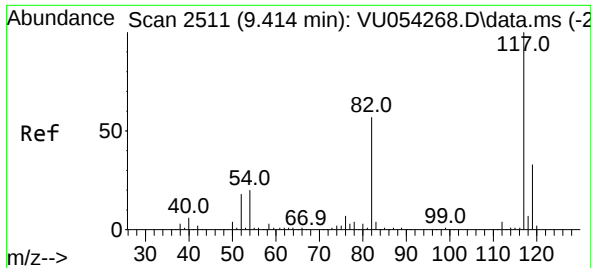
Tgt Ion: 98 Resp: 520648  
Ion Ratio Lower Upper  
98 100  
100 65.9 51.7 77.5



#62  
4-Bromofluorobenzene  
Concen: 44.414 ug/l  
RT: 10.626 min Scan# 2888  
Delta R.T. 0.000 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

Tgt Ion: 95 Resp: 177357  
Ion Ratio Lower Upper  
95 100  
174 83.8 0.0 182.0  
176 80.3 0.0 177.8

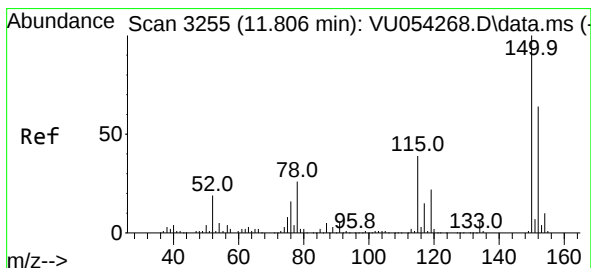
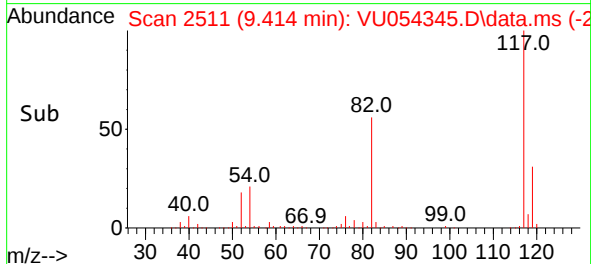
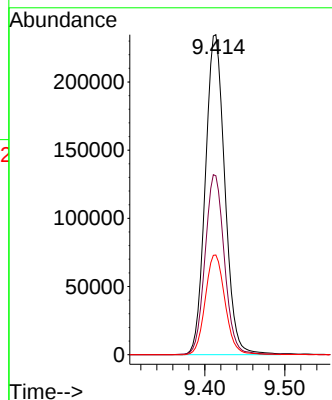
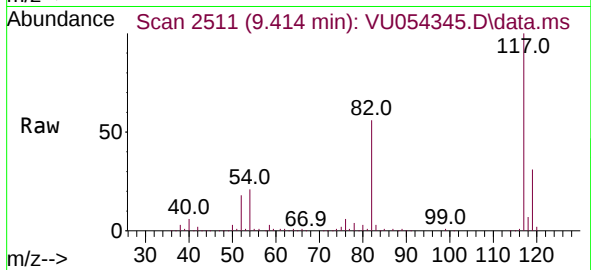




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.414 min Scan# 2511  
Delta R.T. -0.000 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

Instrument :  
MSVOA\_U  
ClientSampleId :  
PB153123ZHE#04

Tgt Ion:117 Resp: 398957  
Ion Ratio Lower Upper  
117 100  
82 55.8 41.7 62.5  
119 31.1 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.806 min Scan# 3255  
Delta R.T. 0.000 min  
Lab File: VU054345.D  
Acq: 31 May 2023 18:11

Tgt Ion:152 Resp: 186118  
Ion Ratio Lower Upper  
152 100  
115 57.7 37.0 110.9  
150 158.8 0.0 342.2

