

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102822\  
 Data File : VX032455.D  
 Acq On : 28 Oct 2022 13:29  
 Operator : JC/MD  
 Sample : N5338-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31868

Quant Time: Oct 29 04:32:10 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 08:28:06 2022  
 Response via : Initial Calibration

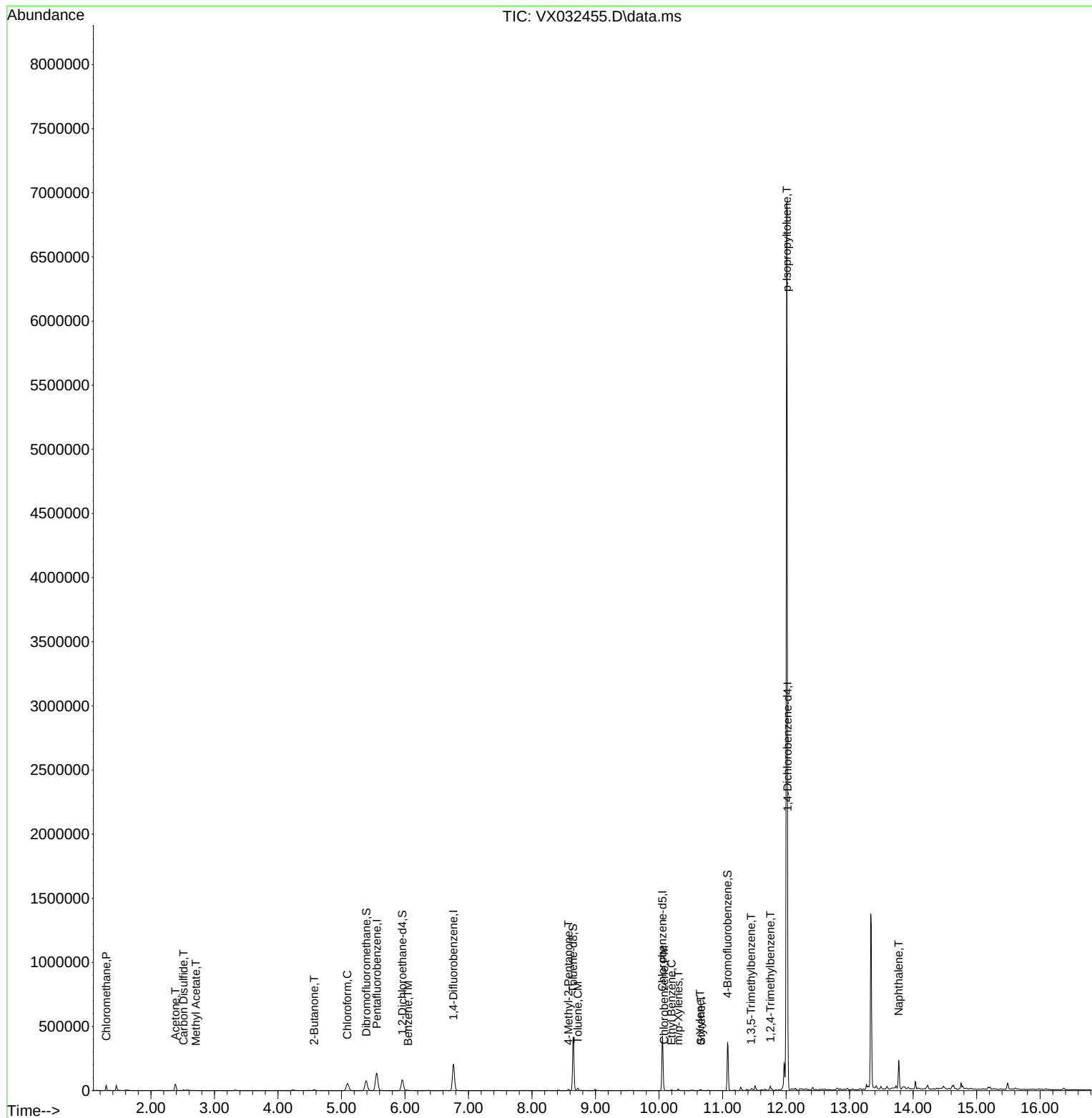
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 128023   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 206506   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 184772   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 97405    | 50.000   | ug/l   | # 0.00   |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 83933    | 47.184   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 94.360%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 66480    | 45.132   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 90.260%  |
| 50) Toluene-d8              | 8.647  | 98    | 245300   | 47.891   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 95.780%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 93506    | 46.735   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 93.460%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 3) Chloromethane            | 1.294  | 50    | 26758    | 21.428   | ug/l   | 96       |
| 16) Acetone                 | 2.386  | 43    | 56323    | 87.116   | ug/l   | 100      |
| 17) Carbon Disulfide        | 2.514  | 76    | 8258     | 2.700    | ug/l   | 98       |
| 18) Methyl Acetate          | 2.709  | 43    | 2098     | 0.998    | ug/l   | 91       |
| 25) 2-Butanone              | 4.568  | 43    | 10320    | 10.303   | ug/l   | 90       |
| 30) Chloroform              | 5.093  | 83    | 65846    | 23.566   | ug/l   | 99       |
| 40) Benzene                 | 6.050  | 78    | 4101     | 0.706    | ug/l   | # 89     |
| 51) 4-Methyl-2-Pentanone    | 8.574  | 43    | 7312     | 3.541    | ug/l   | # 67     |
| 52) Toluene                 | 8.720  | 92    | 6944     | 1.834    | ug/l   | 97       |
| 65) Chlorobenzene           | 10.079 | 112   | 1152     | 0.278    | ug/l   | 89       |
| 67) Ethyl Benzene           | 10.195 | 91    | 3767     | 0.509    | ug/l   | 95       |
| 68) m/p-Xylenes             | 10.305 | 106   | 2729     | 0.950    | ug/l   | 98       |
| 69) o-Xylene                | 10.646 | 106   | 1152     | 0.412    | ug/l   | 99       |
| 70) Styrene                 | 10.659 | 104   | 2497     | 0.538    | ug/l   | 94       |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105   | 2934     | 0.445    | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105   | 11620    | 1.771    | ug/l   | # 32     |
| 86) p-Isopropyltoluene      | 12.012 | 119   | 2746806  | 408.484  | ug/l   | 97       |
| 95) Naphthalene             | 13.774 | 128   | 132827   | 17.370   | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

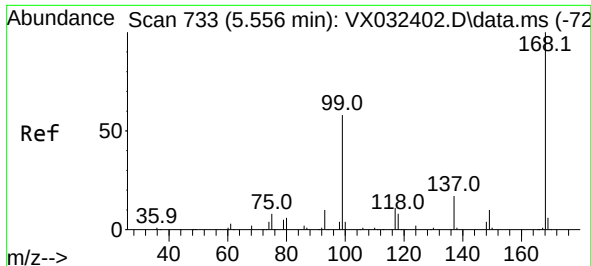
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX102822\  
Data File : VX032455.D  
Acq On : 28 Oct 2022 13:29  
Operator : JC/MD  
Sample : N5338-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

Quant Time: Oct 29 04:32:10 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X102622W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 27 08:28:06 2022  
Response via : Initial Calibration

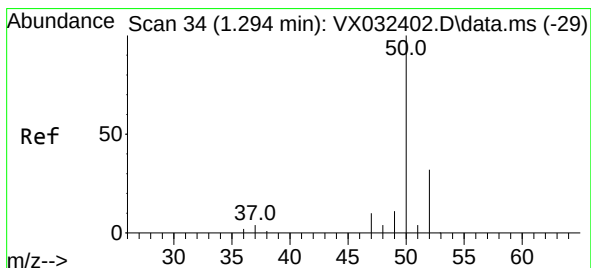
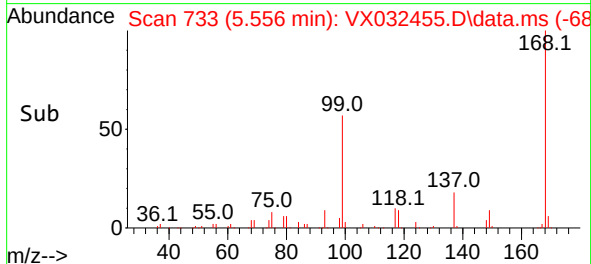
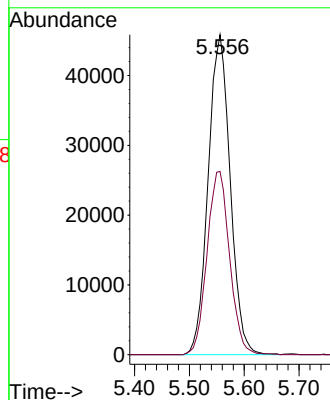
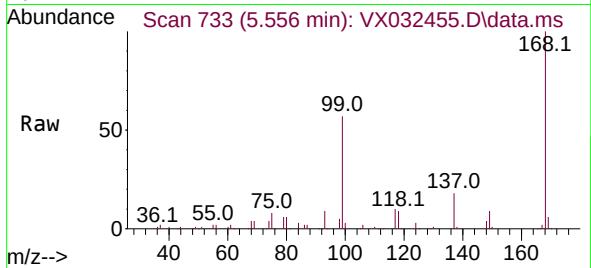




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

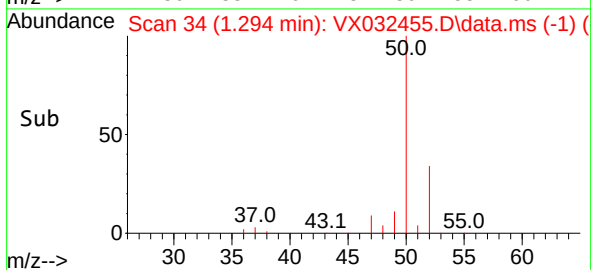
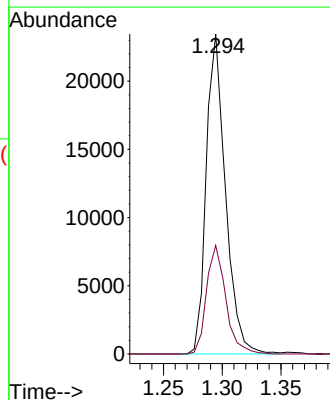
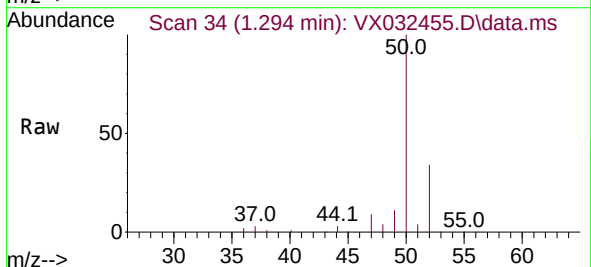
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

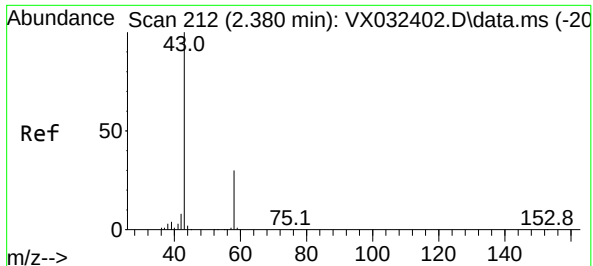
Tgt Ion:168 Resp: 128023  
Ion Ratio Lower Upper  
168 100  
99 57.2 46.1 69.1



#3  
Chloromethane  
Concen: 21.428 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion: 50 Resp: 26758  
Ion Ratio Lower Upper  
50 100  
52 33.9 25.4 38.2

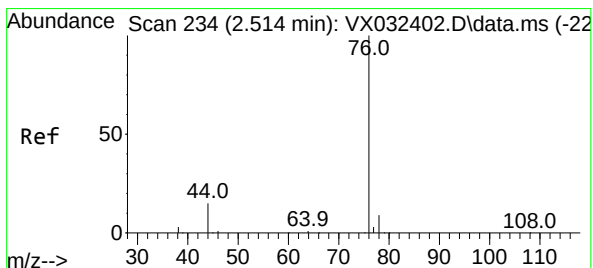
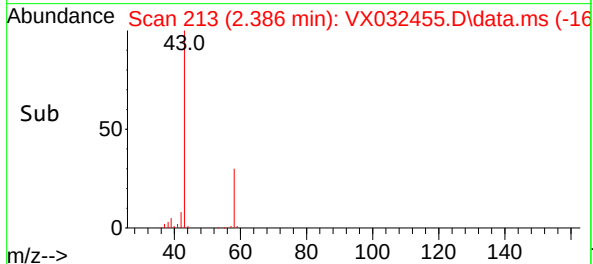
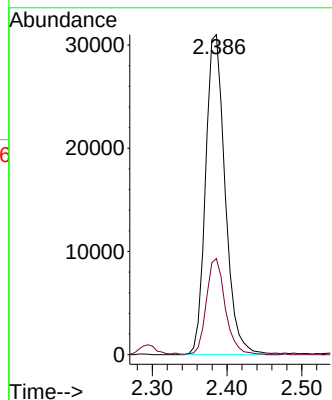
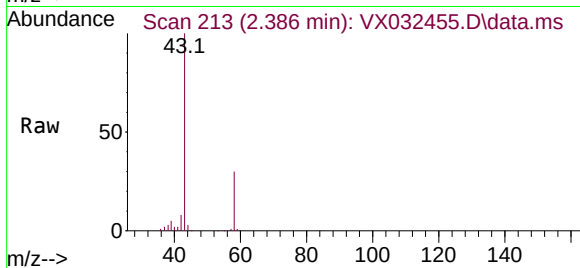




#16  
Acetone  
Concen: 87.116 ug/l  
RT: 2.386 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

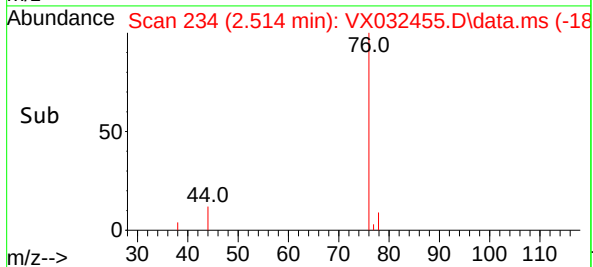
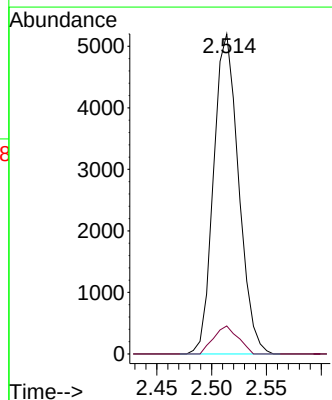
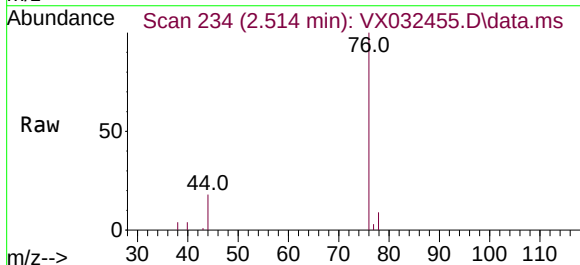
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

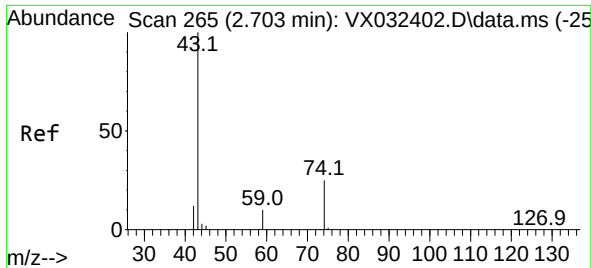
Tgt Ion: 43 Resp: 56323  
Ion Ratio Lower Upper  
43 100  
58 30.0 23.8 35.8



#17  
Carbon Disulfide  
Concen: 2.700 ug/l  
RT: 2.514 min Scan# 234  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion: 76 Resp: 8258  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.5 11.3

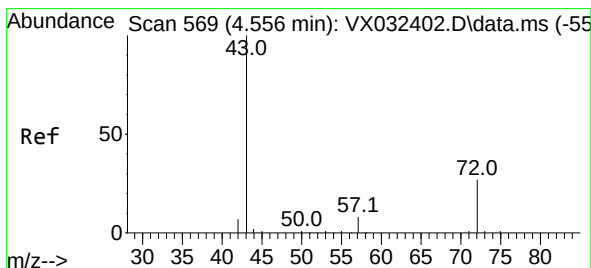
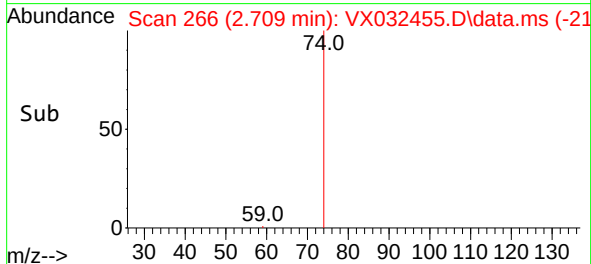
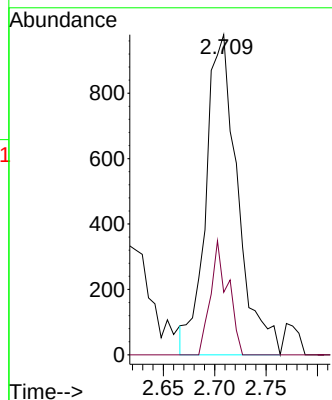
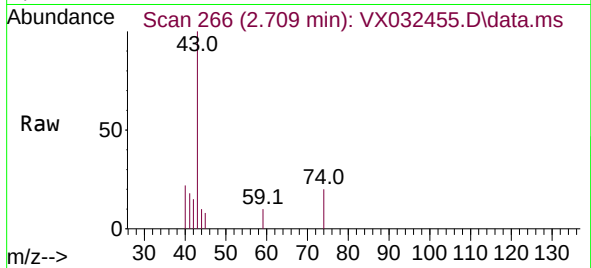




#18  
Methyl Acetate  
Concen: 0.998 ug/l  
RT: 2.709 min Scan# 2098  
Delta R.T. 0.006 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

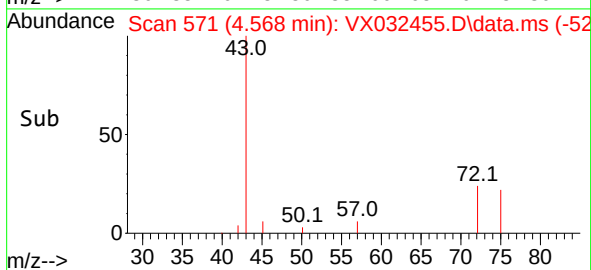
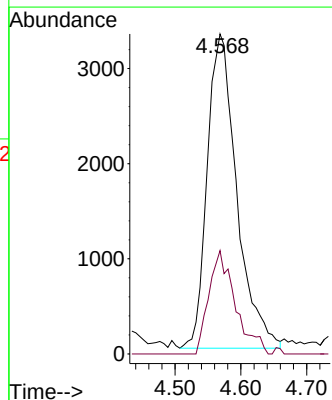
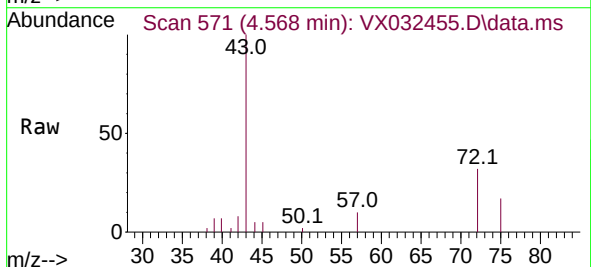
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

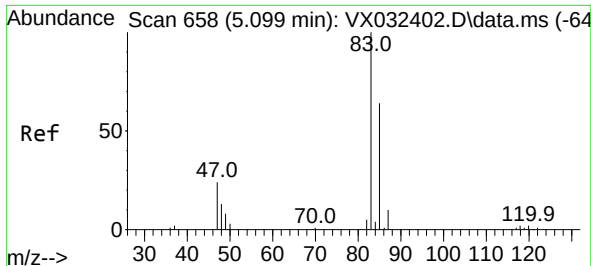
Tgt Ion: 43 Resp: 2098  
Ion Ratio Lower Upper  
43 100  
74 19.6 19.4 29.0



#25  
2-Butanone  
Concen: 10.303 ug/l  
RT: 4.568 min Scan# 571  
Delta R.T. 0.012 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion: 43 Resp: 10320  
Ion Ratio Lower Upper  
43 100  
72 32.9 22.2 33.2





#30

Chloroform

Concen: 23.566 ug/l

RT: 5.093 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX032455.D

Acq: 28 Oct 2022 13:29

Instrument :

MSVOA\_X

ClientSampleId :

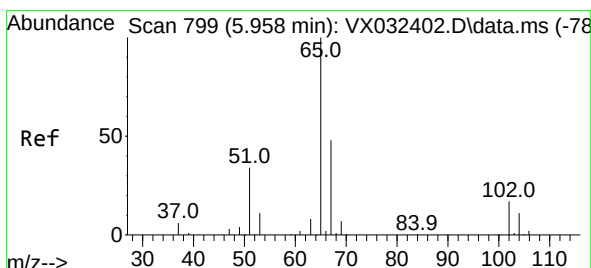
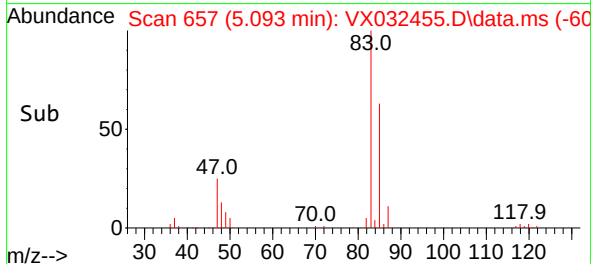
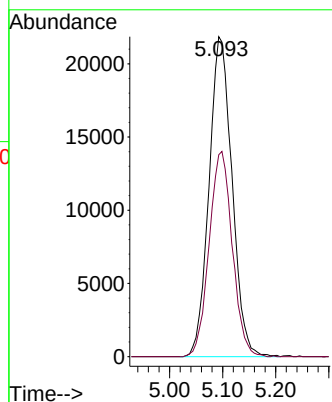
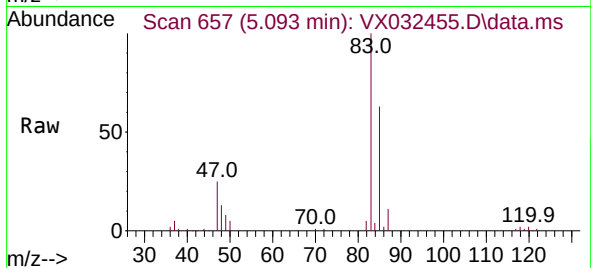
31868

Tgt Ion: 83 Resp: 65846

Ion Ratio Lower Upper

83 100

85 63.1 51.1 76.7



#33

1,2-Dichloroethane-d4

Concen: 47.184 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032455.D

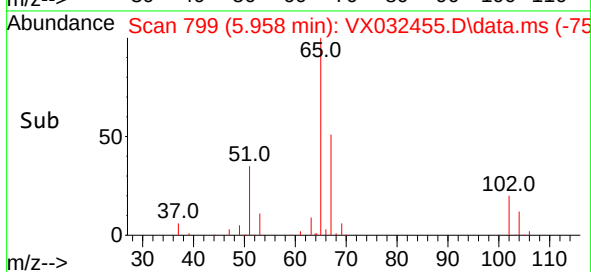
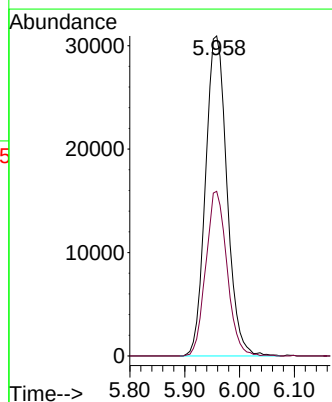
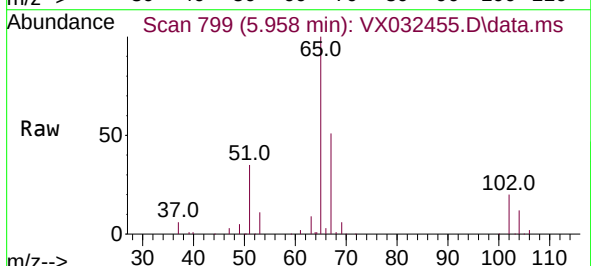
Acq: 28 Oct 2022 13:29

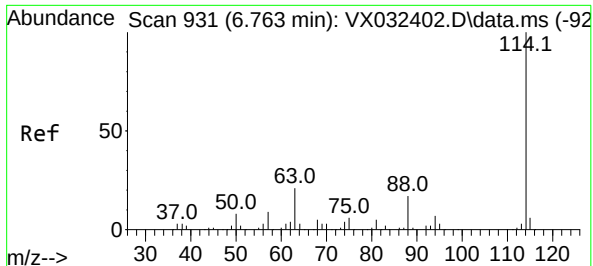
Tgt Ion: 65 Resp: 83933

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.8

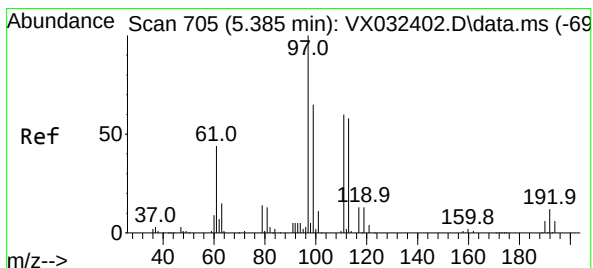
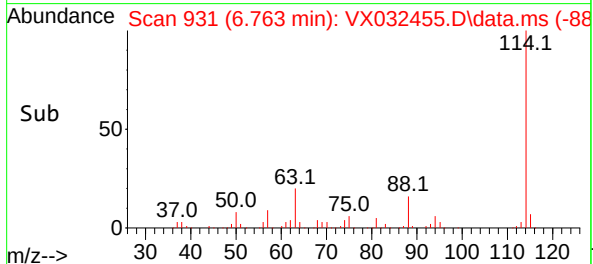
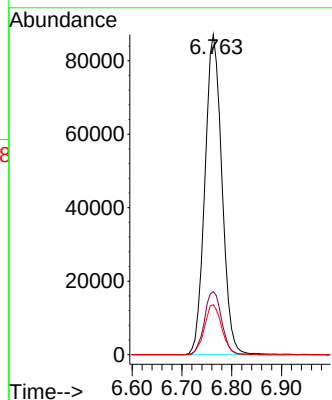
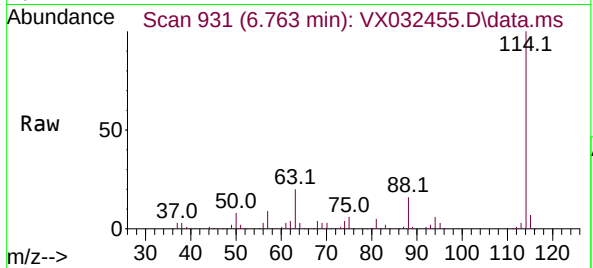




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

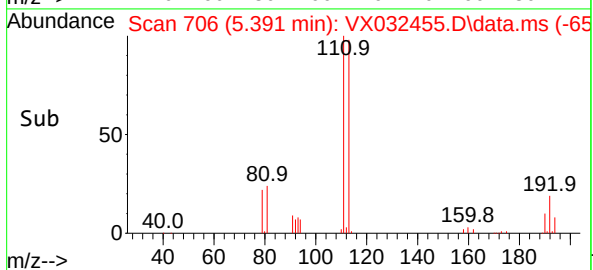
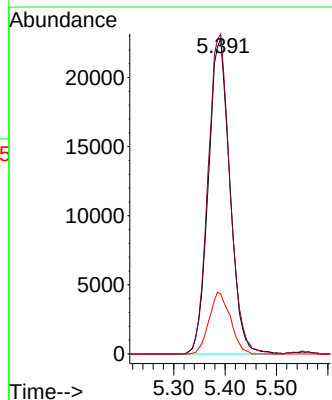
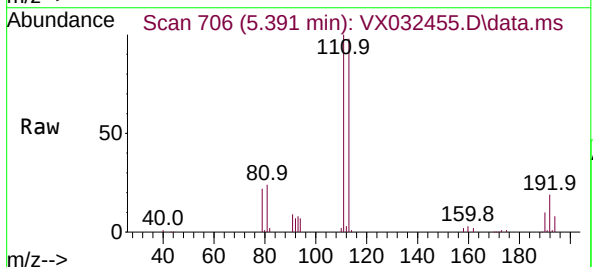
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

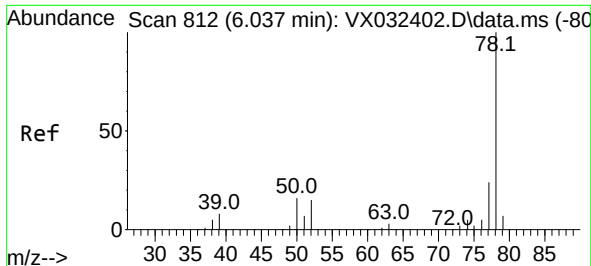
Tgt Ion:114 Resp: 206506  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 41.6  
88 15.6 0.0 33.4



#35  
Dibromofluoromethane  
Concen: 45.132 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. 0.006 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion:113 Resp: 66480  
Ion Ratio Lower Upper  
113 100  
111 102.9 82.4 123.6  
192 19.3 15.4 23.2

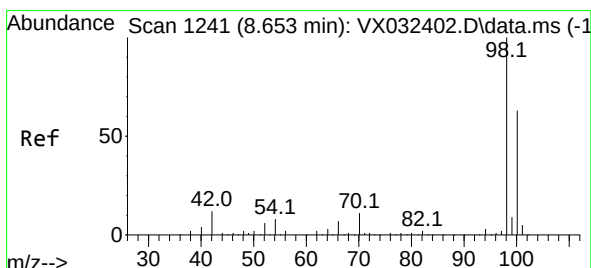
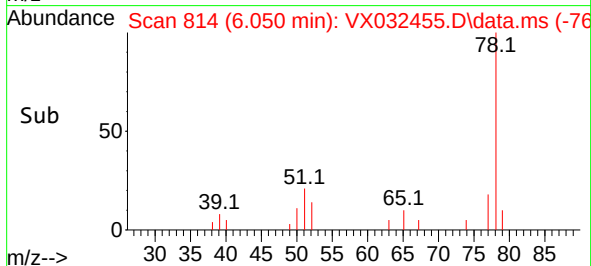
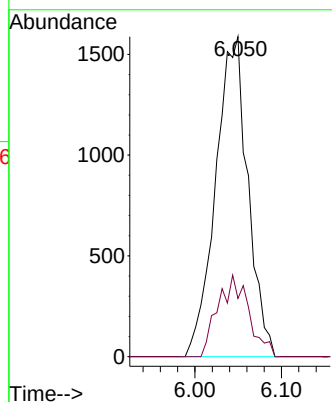
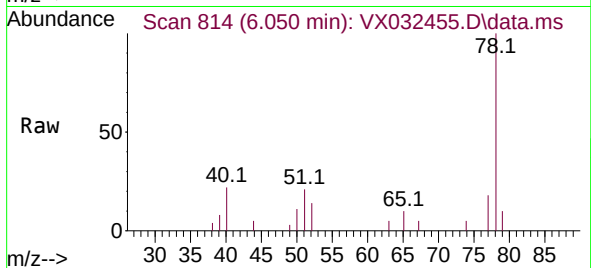




#40  
Benzene  
Concen: 0.706 ug/l  
RT: 6.050 min Scan# 81  
Delta R.T. 0.012 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

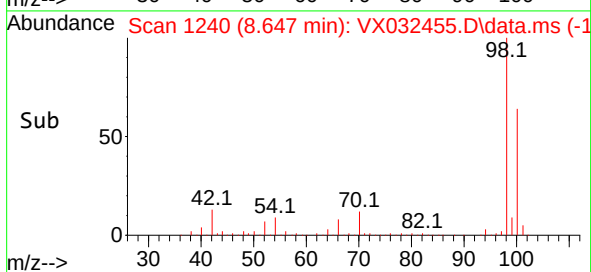
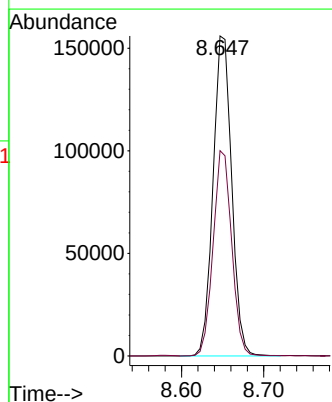
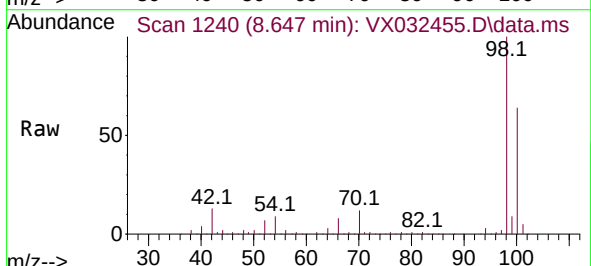
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

Tgt Ion: 78 Resp: 4101  
Ion Ratio Lower Upper  
78 100  
77 18.2 19.0 28.4#

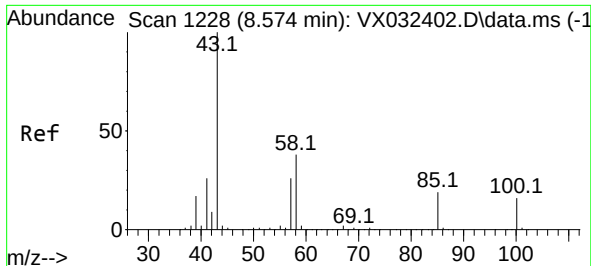


#50  
Toluene-d8  
Concen: 47.891 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. -0.006 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion: 98 Resp: 245300  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.9 76.3







#51

4-Methyl-2-Pentanone

Concen: 3.541 ug/l

RT: 8.574 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX032455.D

Acq: 28 Oct 2022 13:29

Instrument :

MSVOA\_X

ClientSampleId :

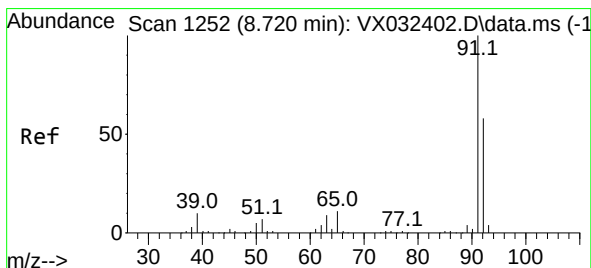
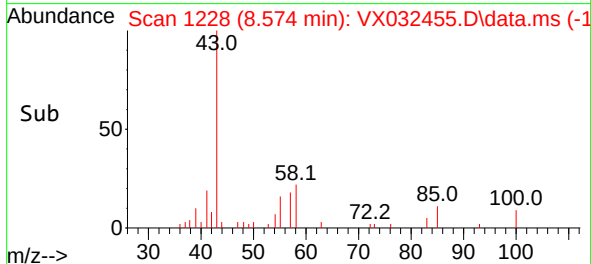
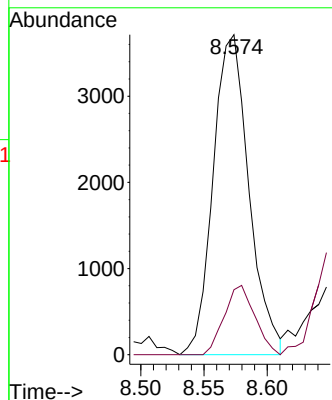
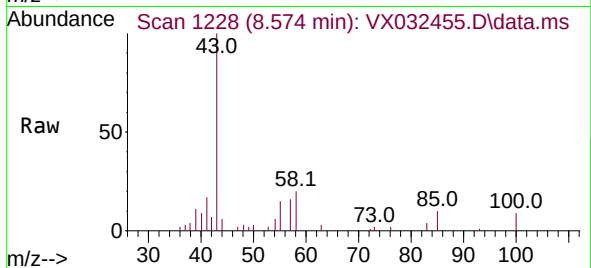
31868

Tgt Ion: 43 Resp: 7312

Ion Ratio Lower Upper

43 100

58 18.4 30.9 46.3#



#52

Toluene

Concen: 1.834 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX032455.D

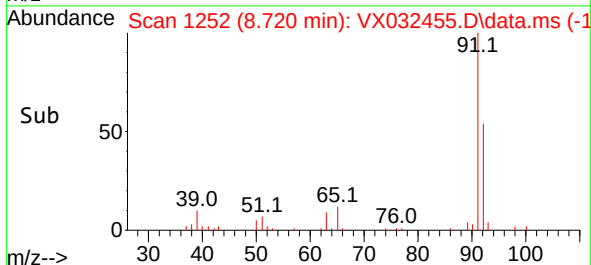
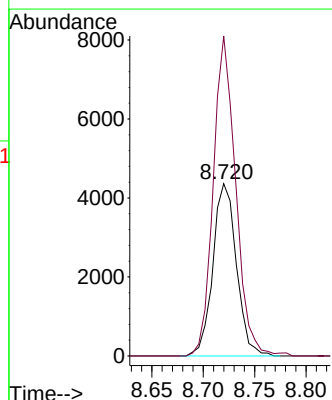
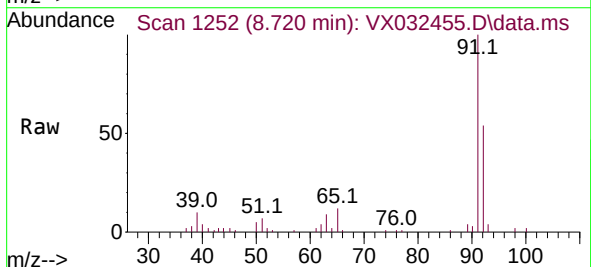
Acq: 28 Oct 2022 13:29

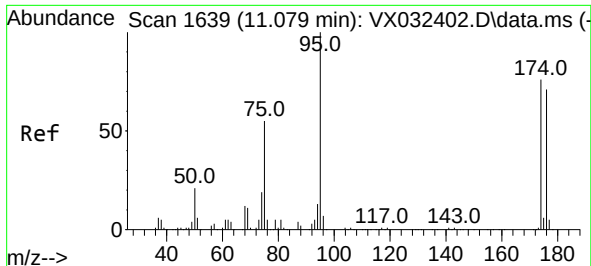
Tgt Ion: 92 Resp: 6944

Ion Ratio Lower Upper

92 100

91 177.3 138.3 207.5

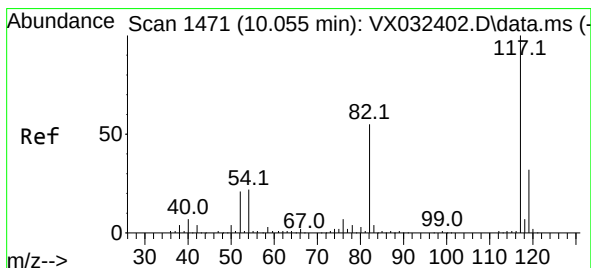
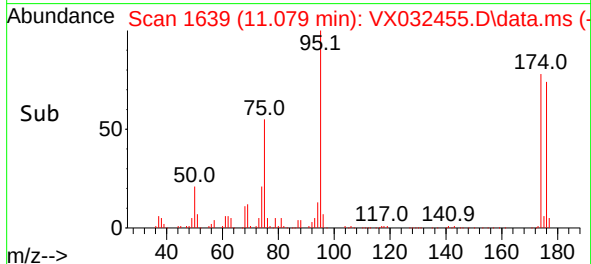
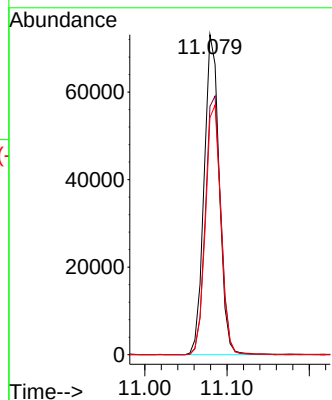
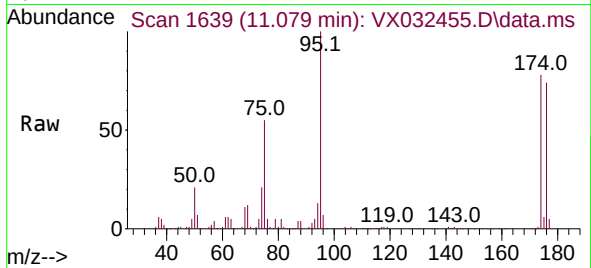




#62  
4-Bromofluorobenzene  
Concen: 46.735 ug/l  
RT: 11.079 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

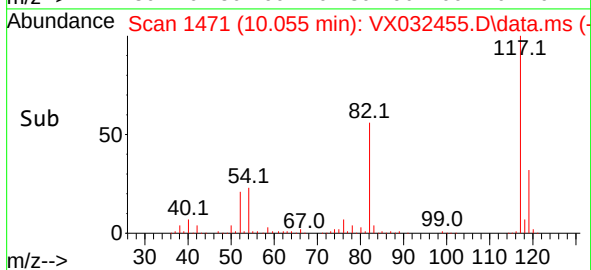
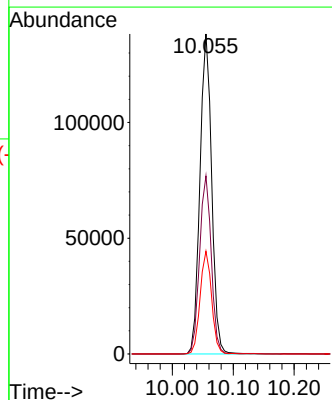
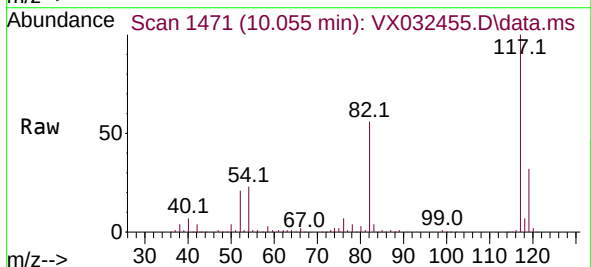
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

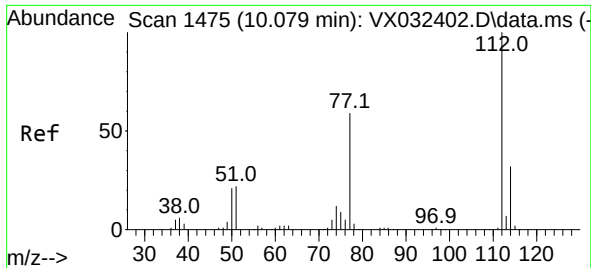
Tgt Ion: 95 Resp: 93506  
Ion Ratio Lower Upper  
95 100  
174 82.8 0.0 164.0  
176 79.4 0.0 154.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion: 117 Resp: 184772  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.3 66.5  
119 32.1 25.7 38.5

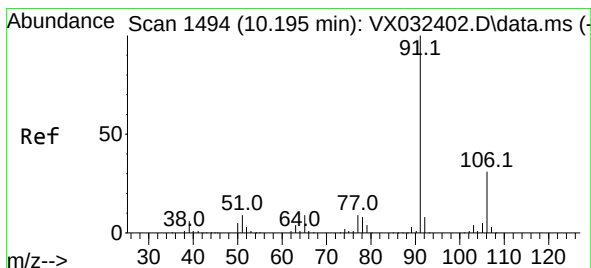
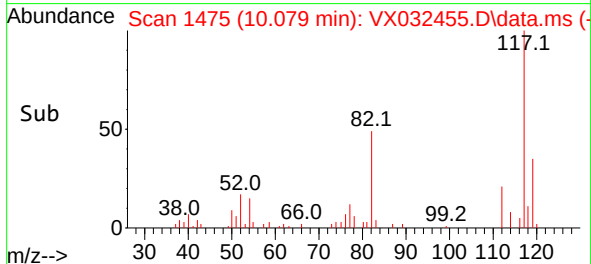
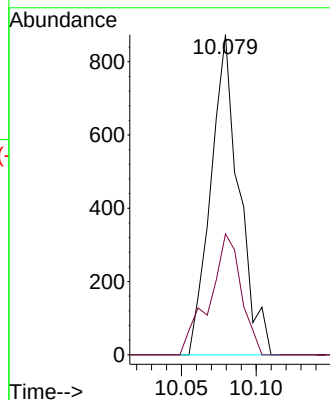
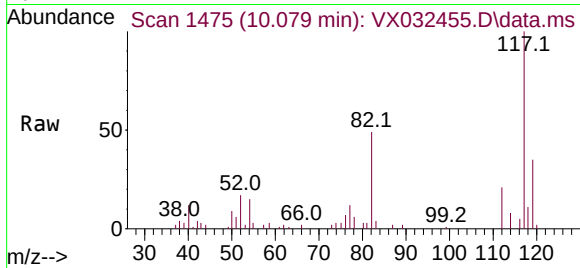




#65  
Chlorobenzene  
Concen: 0.278 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

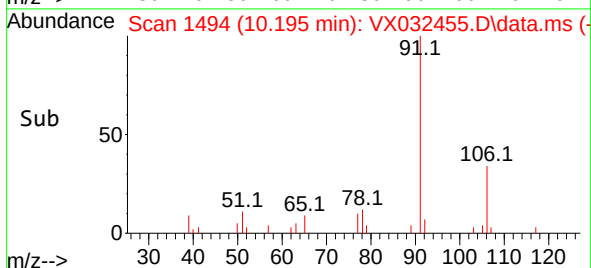
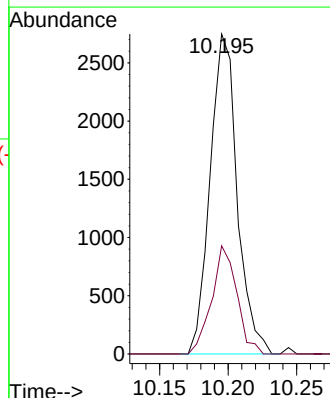
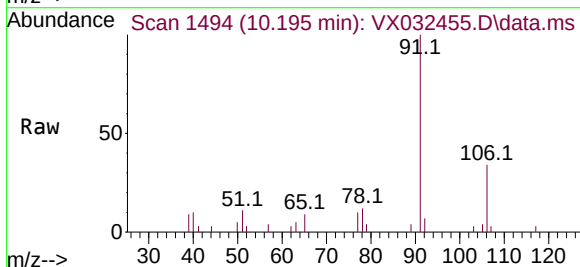
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

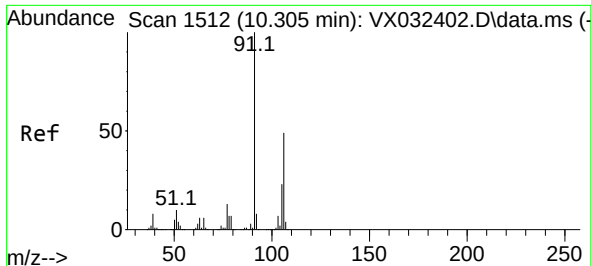
Tgt Ion: 112 Resp: 1152  
Ion Ratio Lower Upper  
112 100  
114 37.8 25.4 38.2



#67  
Ethyl Benzene  
Concen: 0.509 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion: 91 Resp: 3767  
Ion Ratio Lower Upper  
91 100  
106 33.8 25.0 37.6

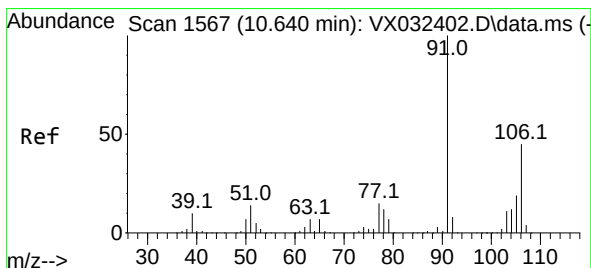
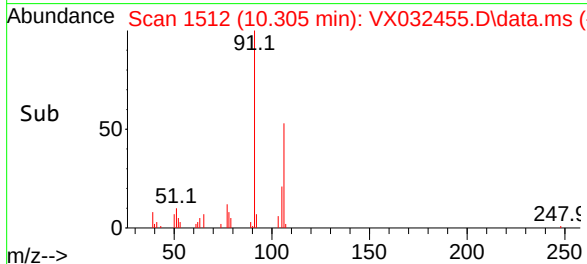
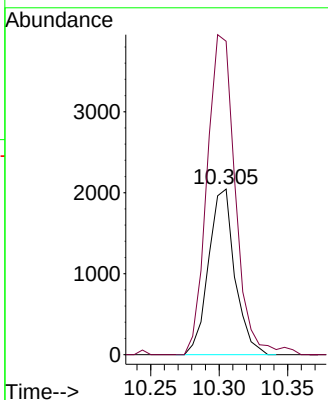
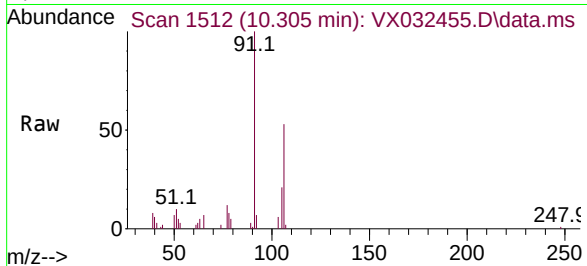




#68  
m/p-Xylenes  
Concen: 0.950 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

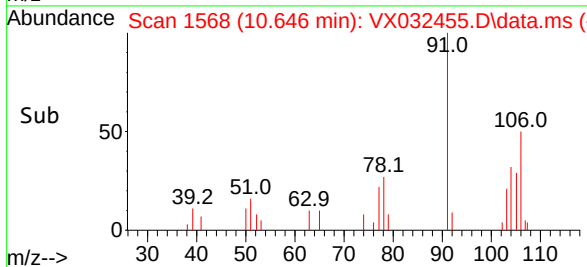
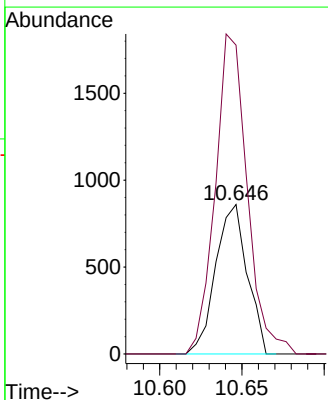
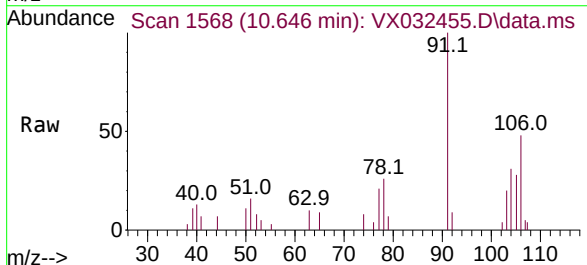
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

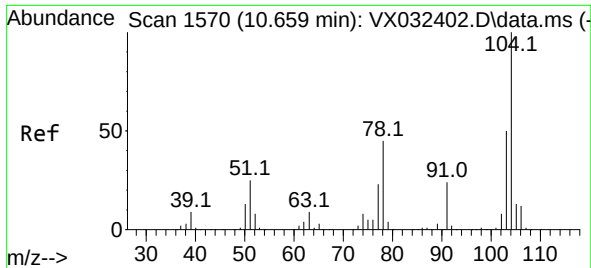
Tgt Ion:106 Resp: 2729  
Ion Ratio Lower Upper  
106 100  
91 208.1 164.5 246.7



#69  
o-Xylene  
Concen: 0.412 ug/l  
RT: 10.646 min Scan# 1568  
Delta R.T. 0.006 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

Tgt Ion:106 Resp: 1152  
Ion Ratio Lower Upper  
106 100  
91 216.5 109.2 327.6

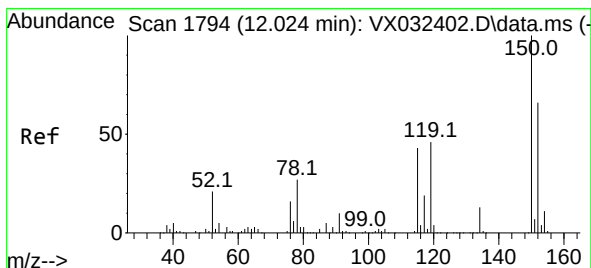
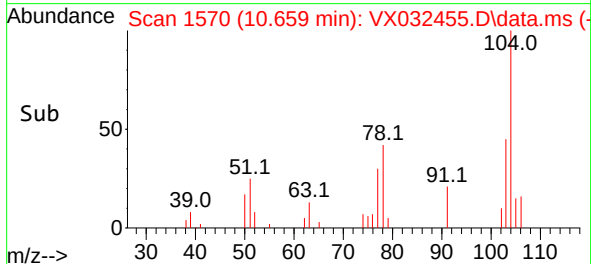
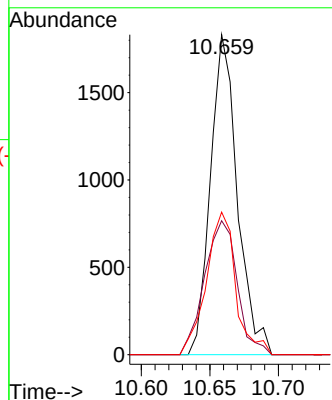
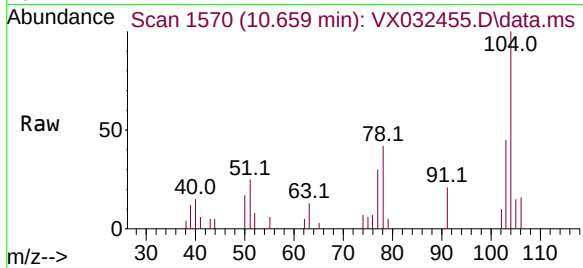




#70  
Styrene  
Concen: 0.538 ug/l  
RT: 10.659 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

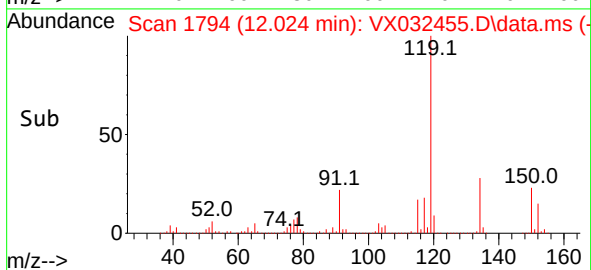
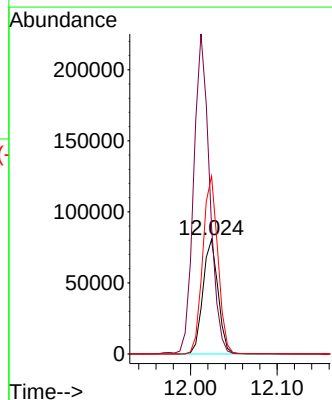
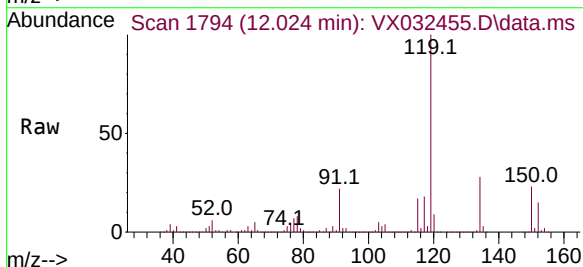
Instrument :  
MSVOA\_X  
ClientSampleId :  
31868

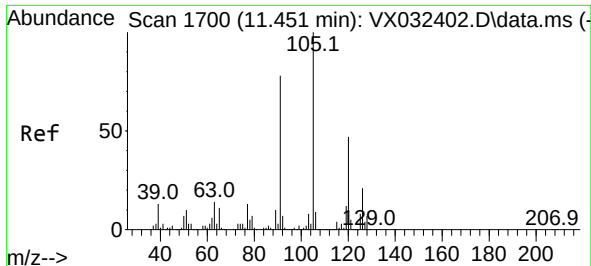
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:104 | Resp: | 2497      |
| Ion Ratio   | Lower | Upper     |
| 104         | 100   |           |
| 78          | 50.9  | 41.8 62.8 |
| 103         | 48.8  | 44.5 66.7 |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX032455.D  
Acq: 28 Oct 2022 13:29

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 97405       |
| Ion Ratio   | Lower | Upper       |
| 152         | 100   |             |
| 115         | 296.4 | 44.0 132.0# |
| 150         | 156.5 | 0.0 351.8   |

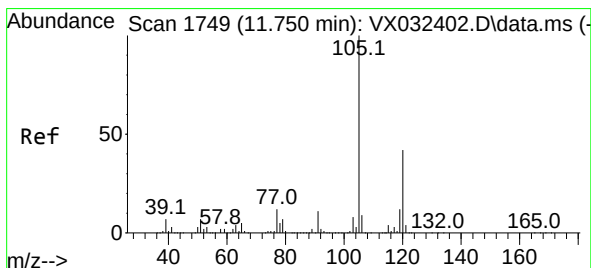
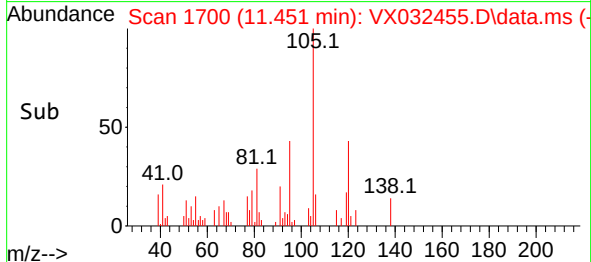
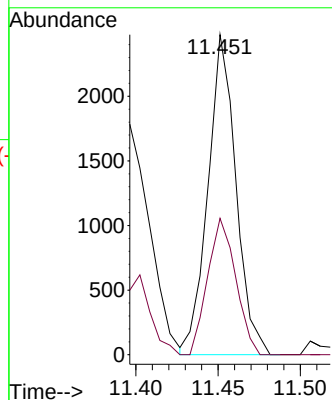
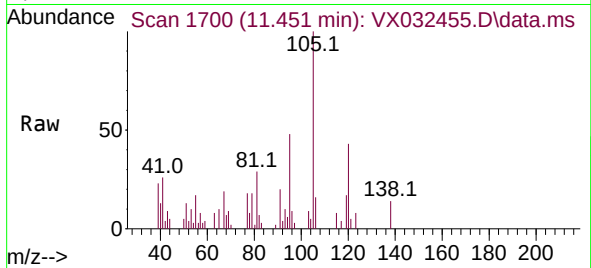




#80  
 1,3,5-Trimethylbenzene  
 Concen: 0.445 ug/l  
 RT: 11.451 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX032455.D  
 Acq: 28 Oct 2022 13:29

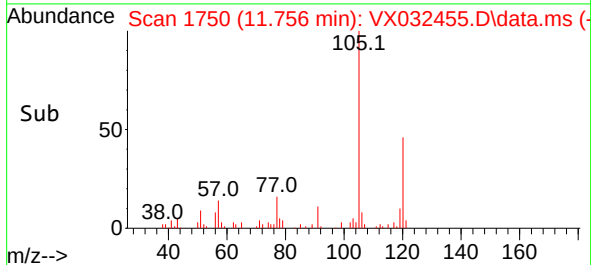
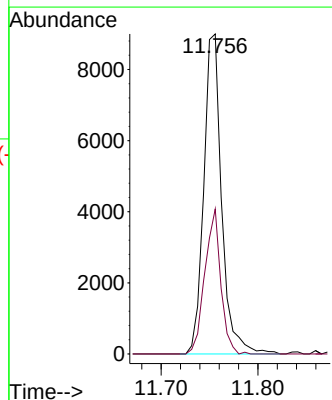
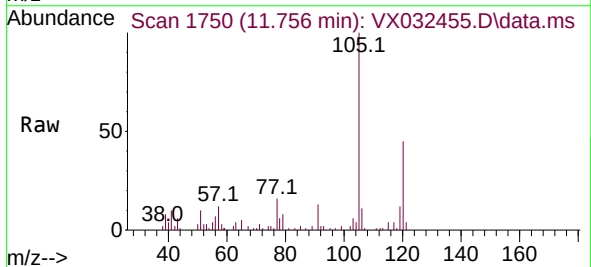
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 31868

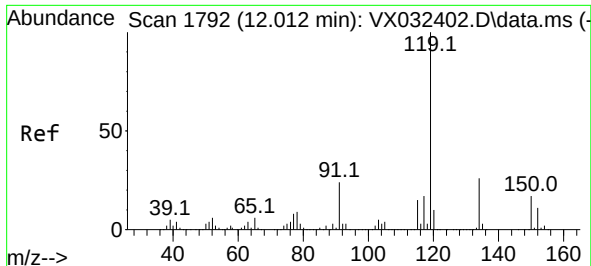
Tgt Ion:105 Resp: 2934  
 Ion Ratio Lower Upper  
 105 100  
 120 42.7 23.6 71.0



#84  
 1,2,4-Trimethylbenzene  
 Concen: 1.771 ug/l  
 RT: 11.756 min Scan# 1750  
 Delta R.T. 0.006 min  
 Lab File: VX032455.D  
 Acq: 28 Oct 2022 13:29

Tgt Ion:105 Resp: 11620  
 Ion Ratio Lower Upper  
 105 100  
 120 0.0 21.9 65.5#





#86

p-Isopropyltoluene

Concen: 408.484 ug/l

RT: 12.012 min Scan# 119

Delta R.T. 0.000 min

Lab File: VX032455.D

Acq: 28 Oct 2022 13:29

Instrument :

MSVOA\_X

ClientSampleId :

31868

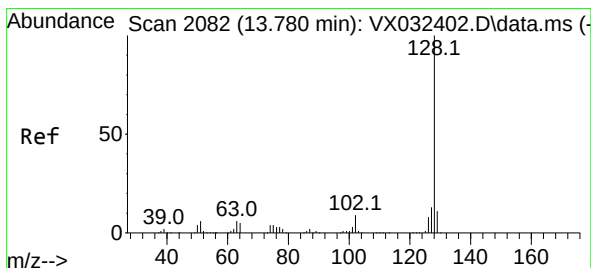
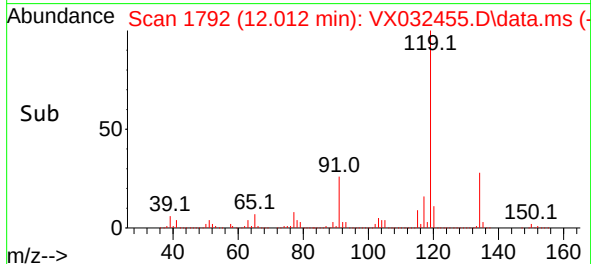
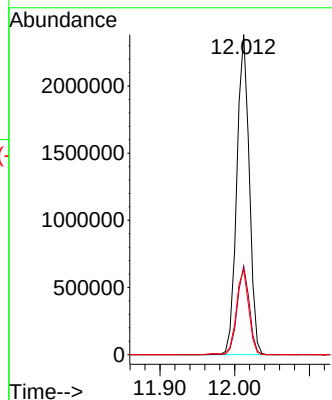
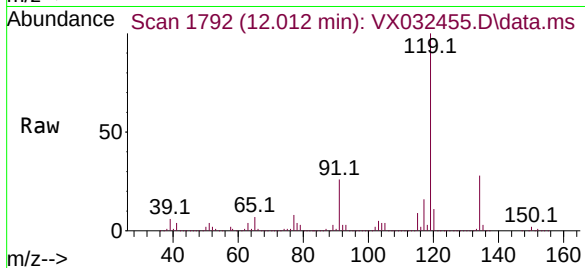
Tgt Ion:119 Resp: 2746806

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.7

91 26.5 12.5 37.5



#95

Naphthalene

Concen: 17.370 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VX032455.D

Acq: 28 Oct 2022 13:29

Tgt Ion:128 Resp: 132827

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.8 8.9 13.3

