

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042723\  
 Data File : VX035363.D  
 Acq On : 28 Apr 2023 04:12  
 Operator : JC/MD  
 Sample : 02522-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-3

Quant Time: Apr 28 05:43:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 25 16:31:40 2023  
 Response via : Initial Calibration

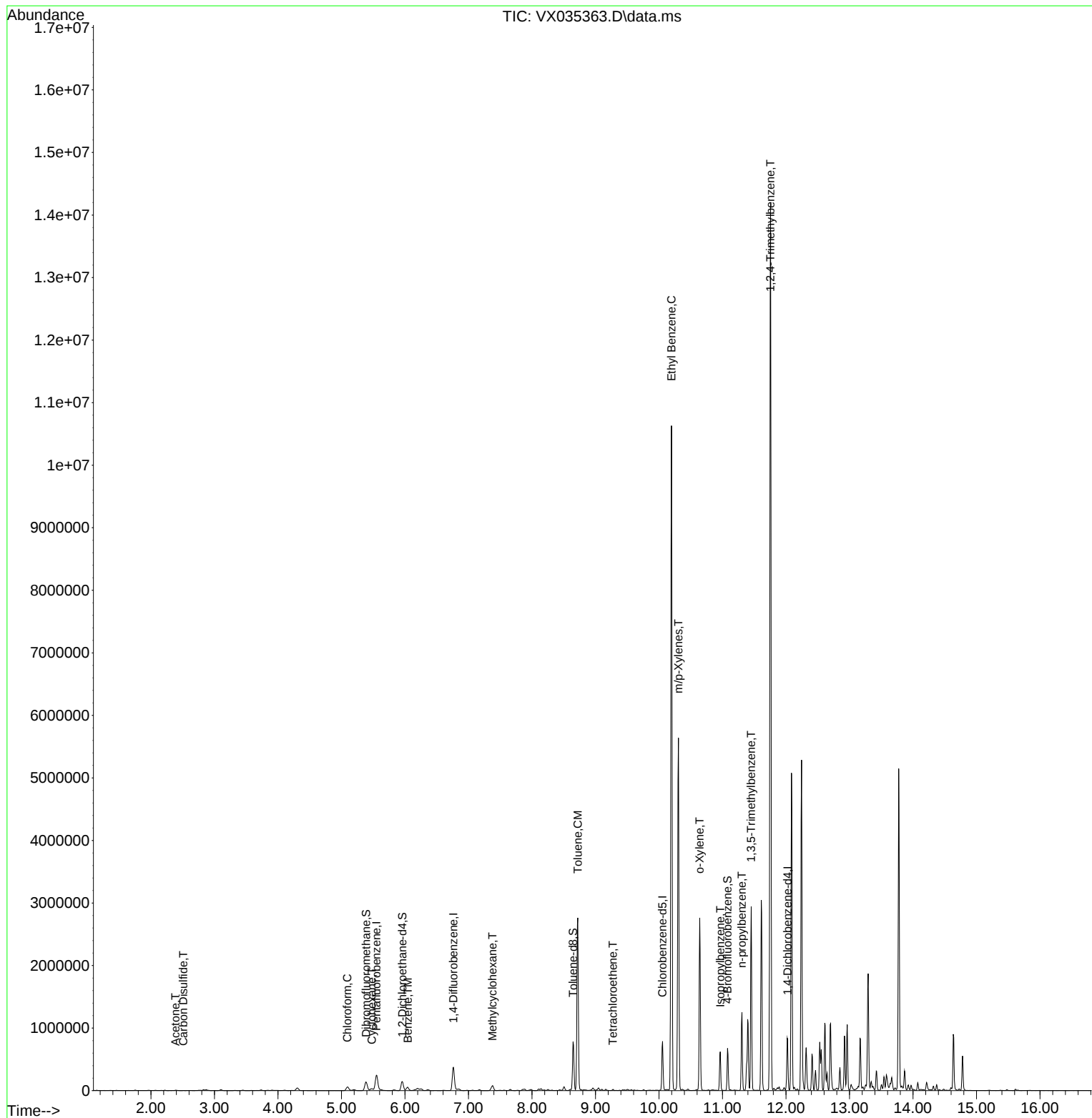
| Compound                    | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|-----------------------------|--------|----------------|----------|---------|----------|----------|
| -----                       |        |                |          |         |          |          |
| Internal Standards          |        |                |          |         |          |          |
| 1) Pentafluorobenzene       | 5.550  | 168            | 244611   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114            | 398964   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 367461   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152            | 177433   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds |        |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65             | 145286   | 49.231  | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 78 - 117 | Recovery | =       | 98.460%  |          |
| 35) Dibromofluoromethane    | 5.385  | 113            | 124200   | 50.720  | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =       | 101.440% |          |
| 50) Toluene-d8              | 8.647  | 98             | 470068   | 50.888  | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 92 - 112 | Recovery | =       | 101.780% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95             | 181020   | 52.093  | ug/l     | 0.00     |
| Spiked Amount               | 50.000 | Range 83 - 123 | Recovery | =       | 104.180% |          |
| Target Compounds            |        |                |          |         |          |          |
|                             |        |                |          |         | Qvalue   |          |
| 16) Acetone                 | 2.386  | 43             | 11456    | 8.938   | ug/l     | 98       |
| 17) Carbon Disulfide        | 2.508  | 76             | 2982     | 0.524   | ug/l     | 97       |
| 30) Chloroform              | 5.093  | 83             | 72808    | 15.476  | ug/l     | 99       |
| 31) Cyclohexane             | 5.477  | 56             | 21580    | 5.155   | ug/l     | 93       |
| 39) Methylcyclohexane       | 7.379  | 83             | 34661    | 7.447   | ug/l     | 96       |
| 40) Benzene                 | 6.044  | 78             | 66870    | 6.097   | ug/l     | 94       |
| 52) Toluene                 | 8.720  | 92             | 1087578  | 156.428 | ug/l     | 97       |
| 64) Tetrachloroethene       | 9.275  | 164            | 3890     | 1.383   | ug/l     | 97       |
| 67) Ethyl Benzene           | 10.195 | 91             | 5789771  | 420.528 | ug/l     | 94       |
| 68) m/p-Xylenes             | 10.305 | 106            | 1287902  | 244.126 | ug/l     | 97       |
| 69) o-Xylene                | 10.640 | 106            | 581425   | 112.391 | ug/l     | 99       |
| 73) Isopropylbenzene        | 10.964 | 105            | 324444   | 25.015  | ug/l     | 99       |
| 78) n-propylbenzene         | 11.305 | 91             | 747617   | 50.189  | ug/l     | 100      |
| 80) 1,3,5-Trimethylbenzene  | 11.451 | 105            | 1228375  | 112.321 | ug/l     | 97       |
| 84) 1,2,4-Trimethylbenzene  | 11.756 | 105            | 6058395  | 551.337 | ug/l     | 94       |
| -----                       |        |                |          |         |          |          |

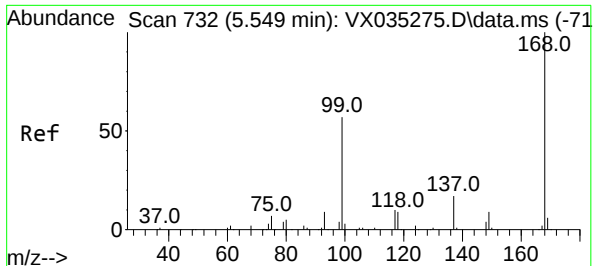
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX042723\  
Data File : VX035363.D  
Acq On : 28 Apr 2023 04:12  
Operator : JC/MD  
Sample : 02522-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 40 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

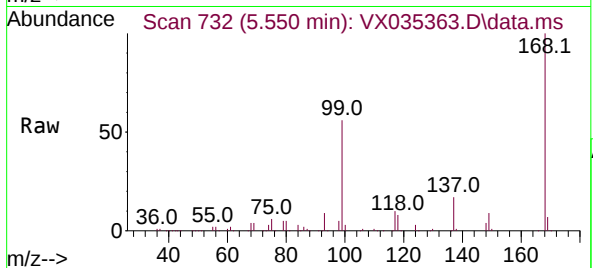
Quant Time: Apr 28 05:43:48 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X042523W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 25 16:31:40 2023  
Response via : Initial Calibration



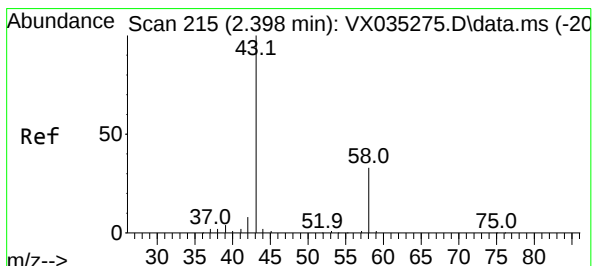
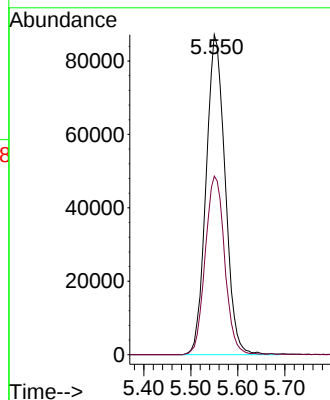
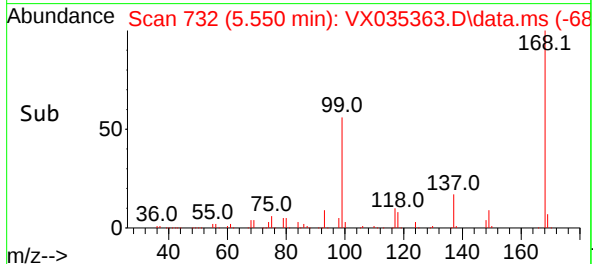


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

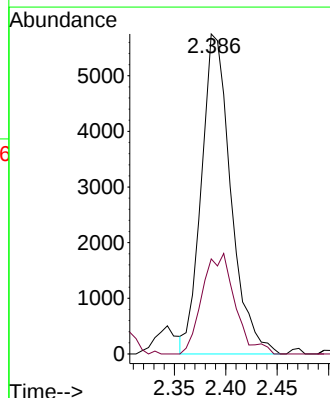
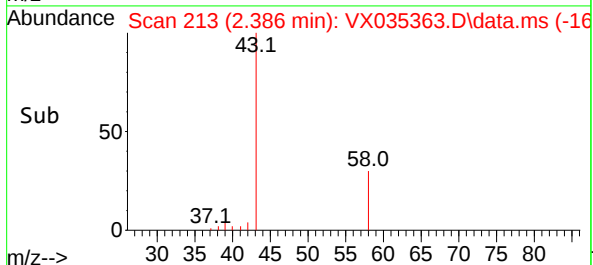
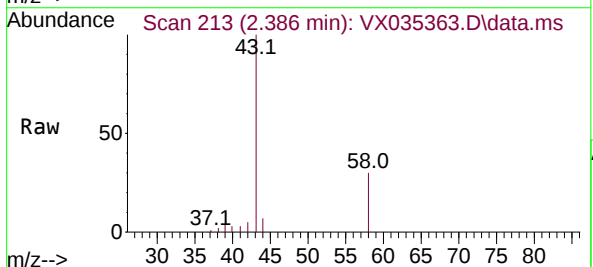


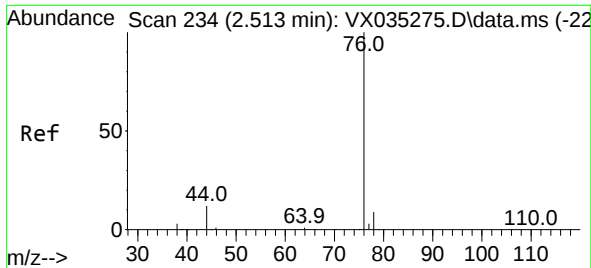
Tgt Ion:168 Resp: 244611  
Ion Ratio Lower Upper  
168 100  
99 55.8 45.7 68.5



#16  
Acetone  
Concen: 8.938 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.012 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion: 43 Resp: 11456  
Ion Ratio Lower Upper  
43 100  
58 29.7 24.7 37.1

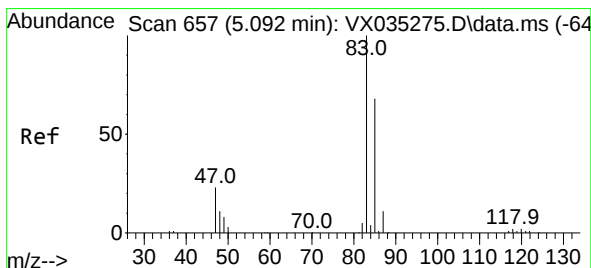
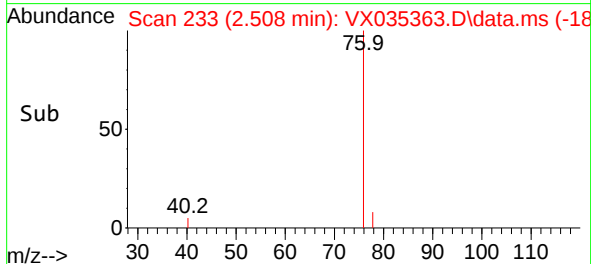
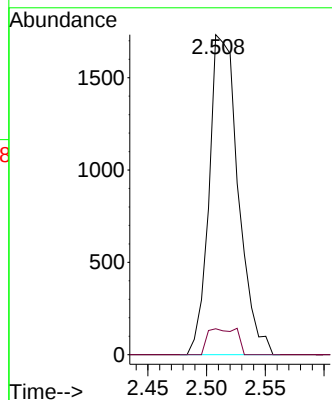
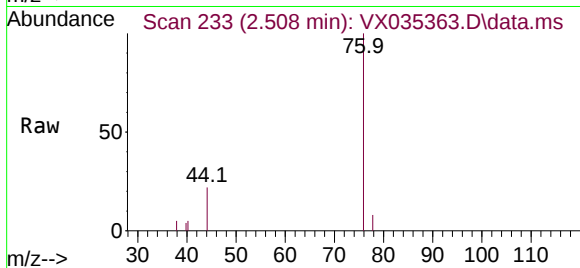




#17  
Carbon Disulfide  
Concen: 0.524 ug/l  
RT: 2.508 min Scan# 21  
Delta R.T. -0.005 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

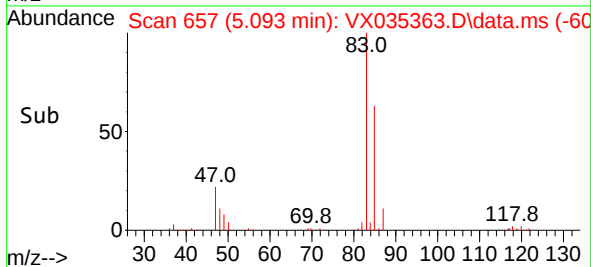
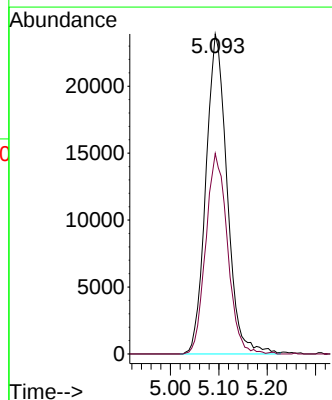
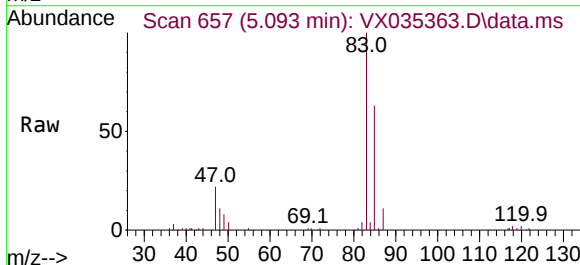
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

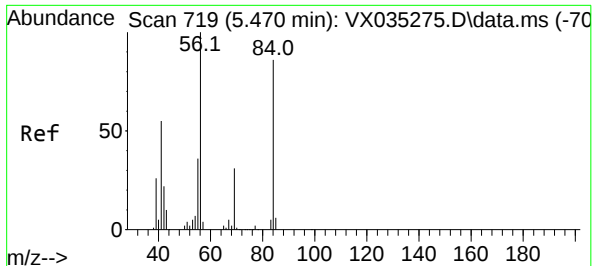
Tgt Ion: 76 Resp: 2982  
Ion Ratio Lower Upper  
76 100  
78 8.1 7.2 10.8



#30  
Chloroform  
Concen: 15.476 ug/l  
RT: 5.093 min Scan# 657  
Delta R.T. 0.001 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion: 83 Resp: 72808  
Ion Ratio Lower Upper  
83 100  
85 62.6 50.6 76.0





#31  
Cyclohexane  
Concen: 5.155 ug/l  
RT: 5.477 min Scan# 719  
Delta R.T. 0.007 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

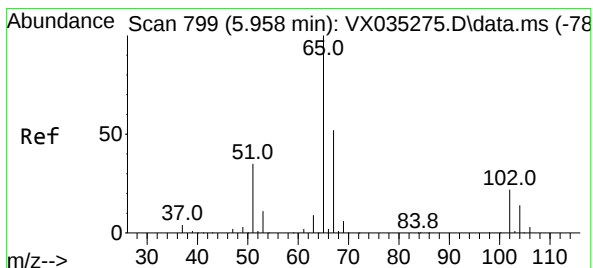
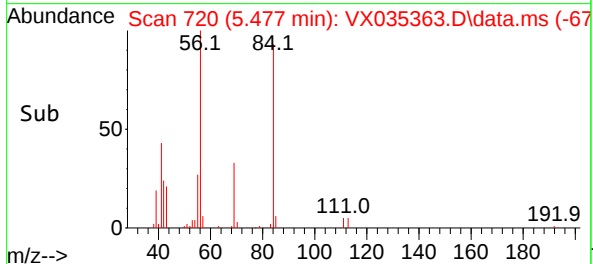
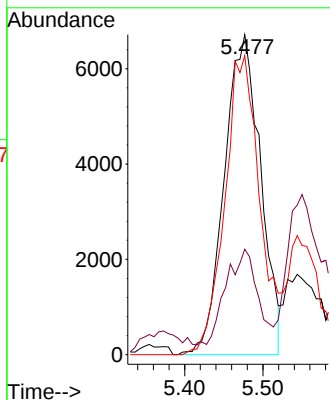
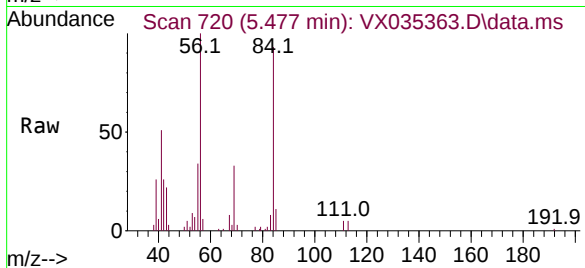
Instrument :

MSVOA\_X

ClientSampleId :

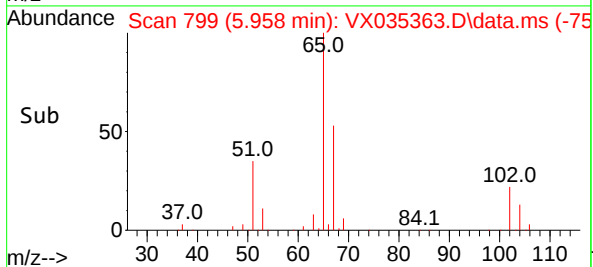
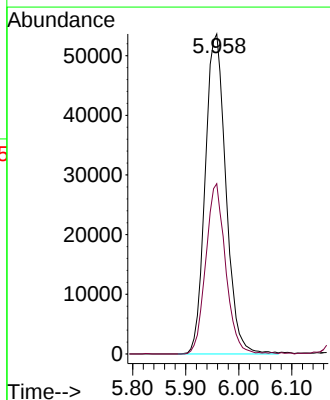
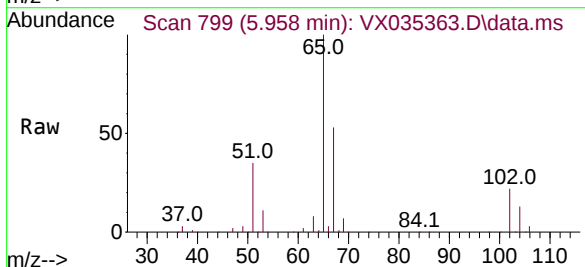
MW-3

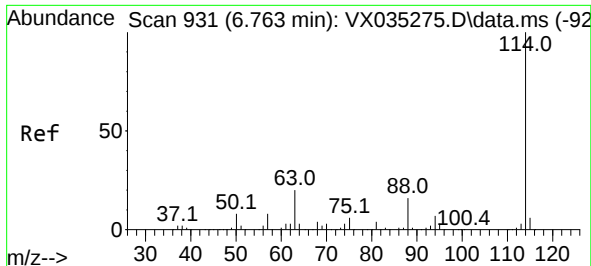
Tgt Ion: 56 Resp: 21580  
Ion Ratio Lower Upper  
56 100  
69 27.7 23.7 35.5  
84 93.4 68.5 102.7



#33  
1,2-Dichloroethane-d4  
Concen: 49.231 ug/l  
RT: 5.958 min Scan# 799  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion: 65 Resp: 145286  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 104.0

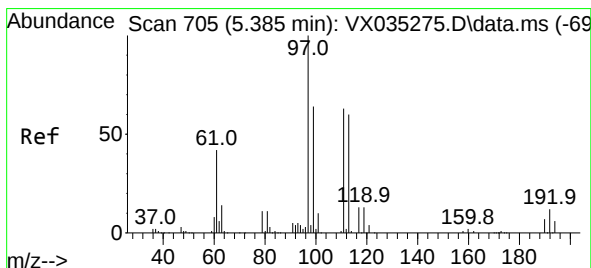
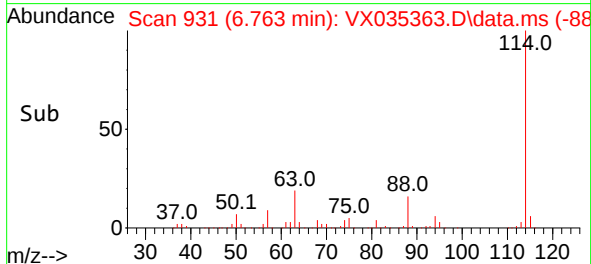
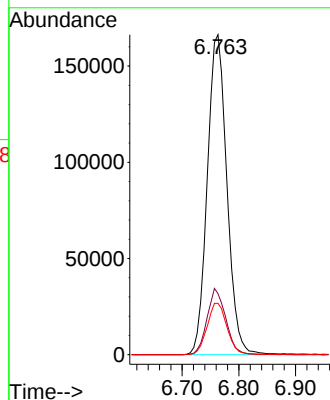
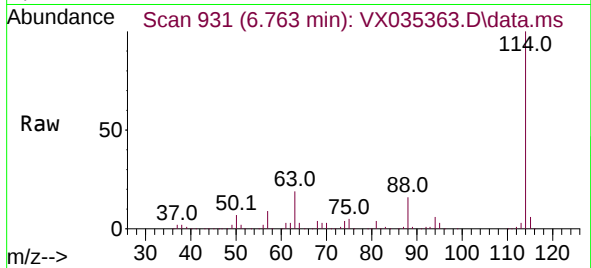




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

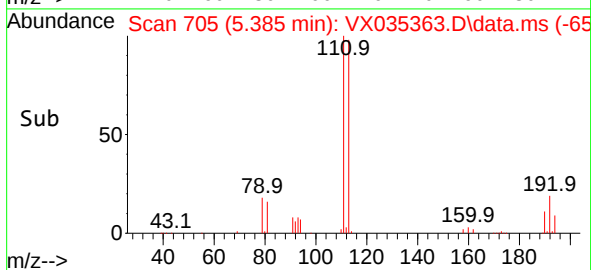
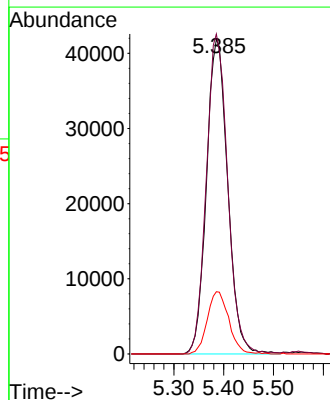
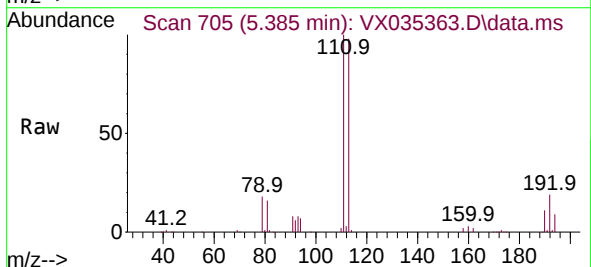
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

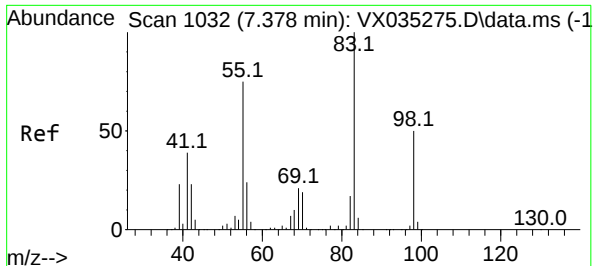
Tgt Ion:114 Resp: 398964  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 42.2  
88 16.1 0.0 33.2



#35  
Dibromofluoromethane  
Concen: 50.720 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion:113 Resp: 124200  
Ion Ratio Lower Upper  
113 100  
111 101.7 83.7 125.5  
192 20.0 15.4 23.2





#39

Methylcyclohexane

Concen: 7.447 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.001 min

Lab File: VX035363.D

Acq: 28 Apr 2023 04:12

Instrument :

MSVOA\_X

ClientSampleId :

MW-3

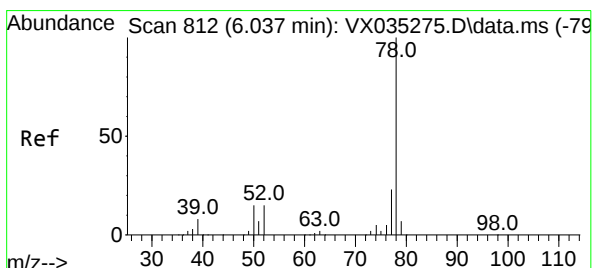
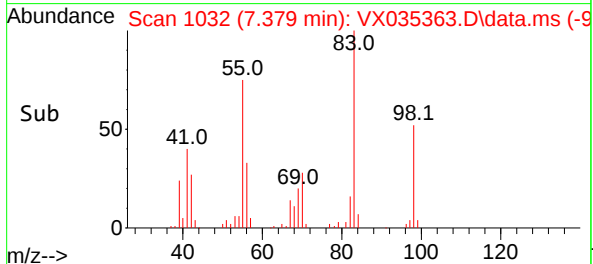
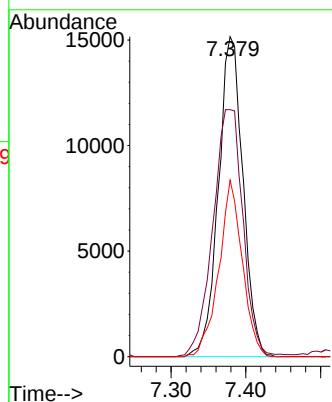
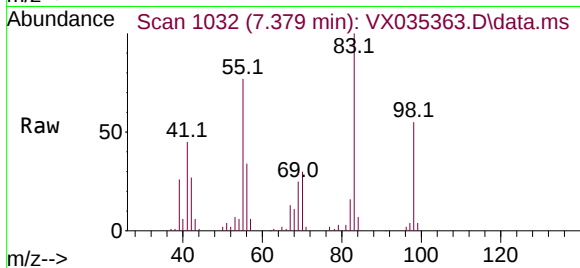
Tgt Ion: 83 Resp: 34661

Ion Ratio Lower Upper

83 100

55 76.8 60.5 90.7

98 55.1 40.4 60.6



#40

Benzene

Concen: 6.097 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.007 min

Lab File: VX035363.D

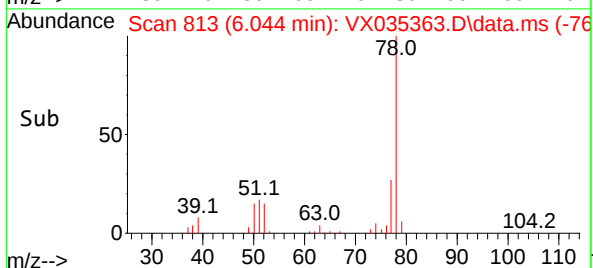
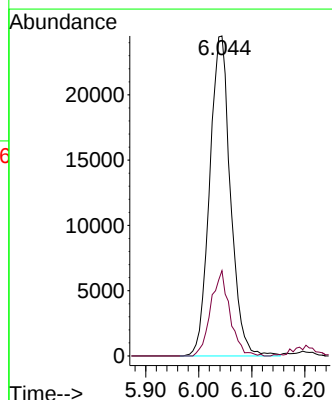
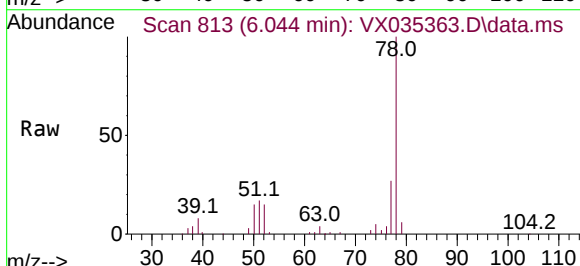
Acq: 28 Apr 2023 04:12

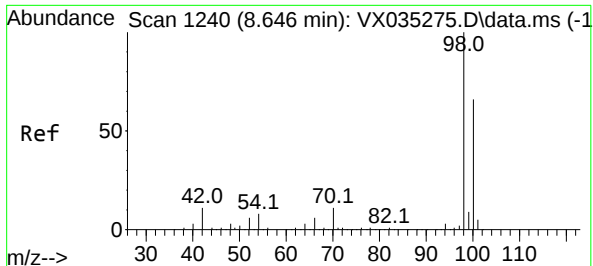
Tgt Ion: 78 Resp: 66870

Ion Ratio Lower Upper

78 100

77 26.7 19.0 28.4





#50

Toluene-d8

Concen: 50.888 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.001 min

Lab File: VX035363.D

Acq: 28 Apr 2023 04:12

Instrument :

MSVOA\_X

ClientSampleId :

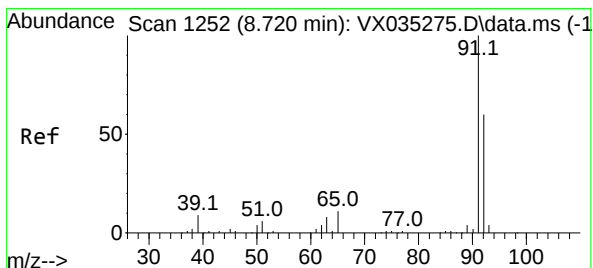
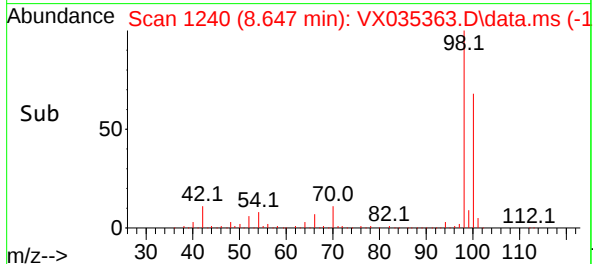
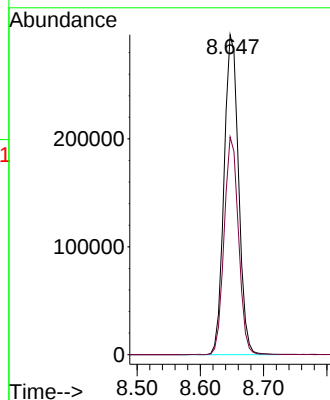
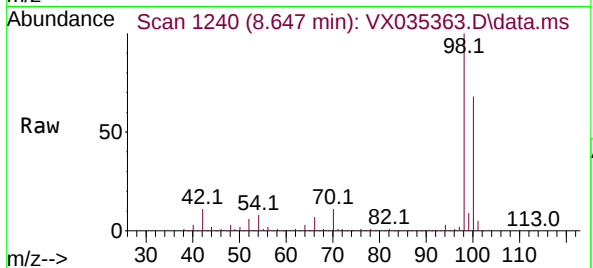
MW-3

Tgt Ion: 98 Resp: 470068

Ion Ratio Lower Upper

98 100

100 67.4 52.5 78.7



#52

Toluene

Concen: 156.428 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX035363.D

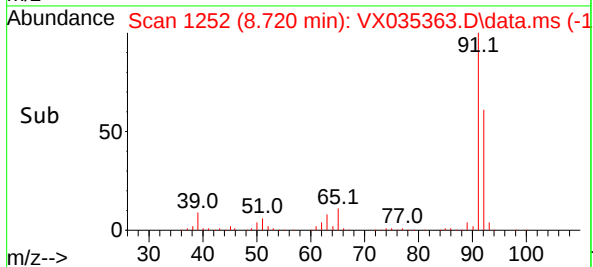
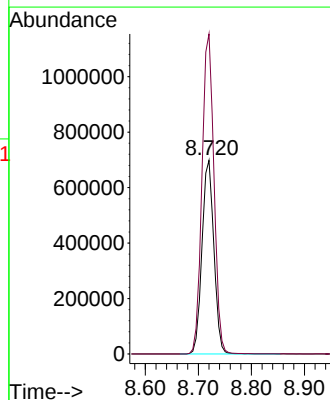
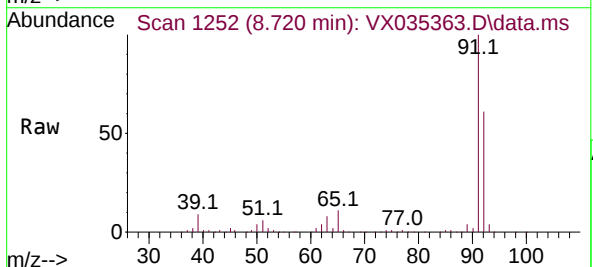
Acq: 28 Apr 2023 04:12

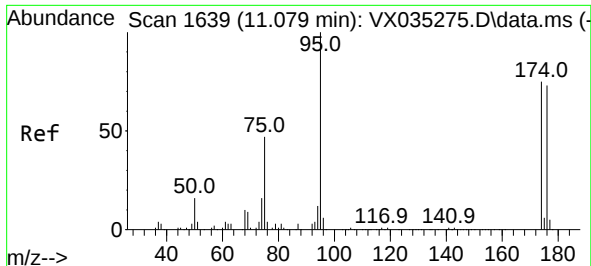
Tgt Ion: 92 Resp: 1087578

Ion Ratio Lower Upper

92 100

91 166.9 136.8 205.2

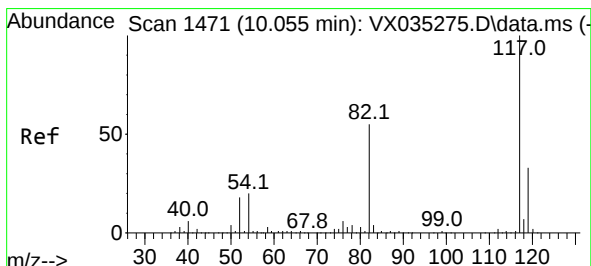
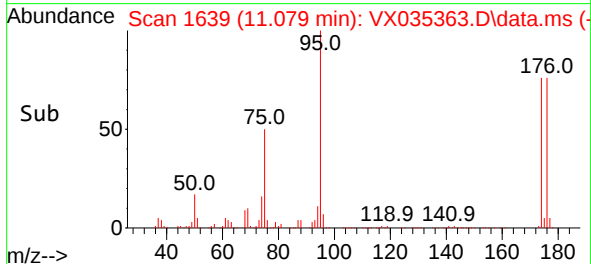
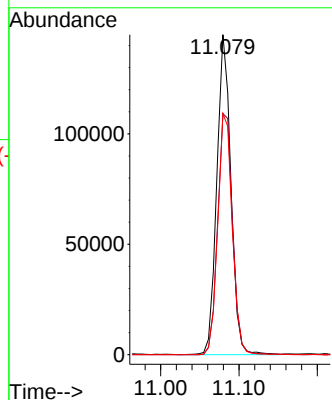
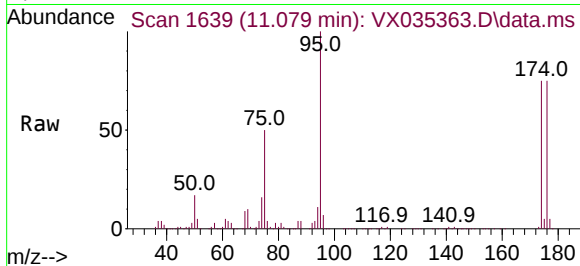




#62  
4-Bromofluorobenzene  
Concen: 52.093 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

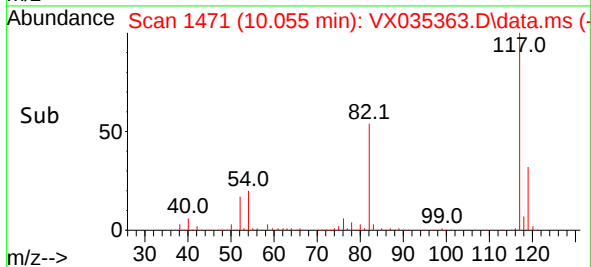
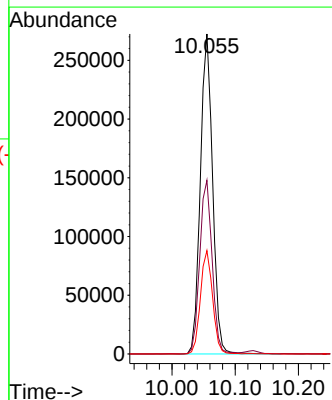
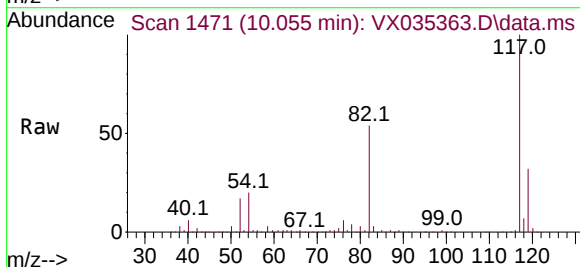
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

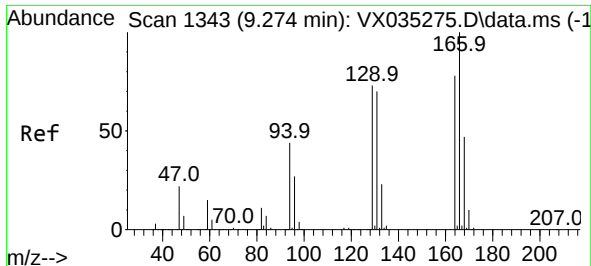
Tgt Ion: 95 Resp: 181020  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 147.4  
176 77.6 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion: 117 Resp: 367461  
Ion Ratio Lower Upper  
117 100  
82 54.2 45.0 67.4  
119 32.3 26.0 39.0



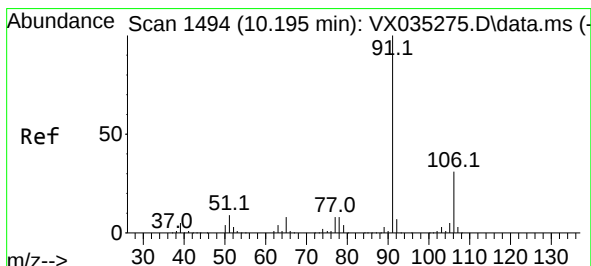
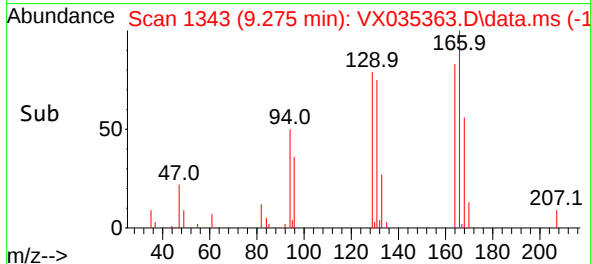
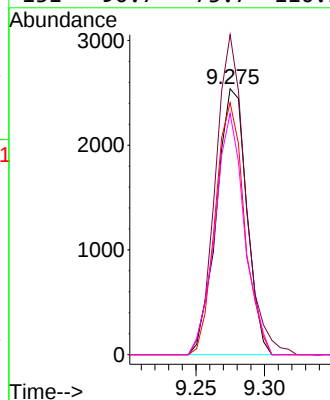
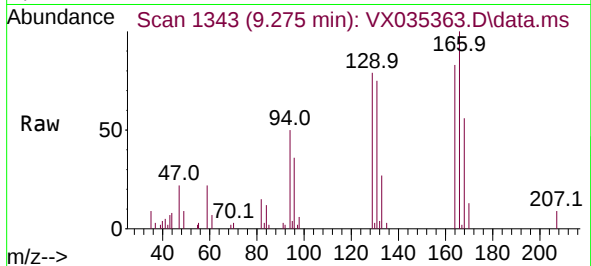


#64  
Tetrachloroethene  
Concen: 1.383 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

Tgt Ion:164 Resp: 3890

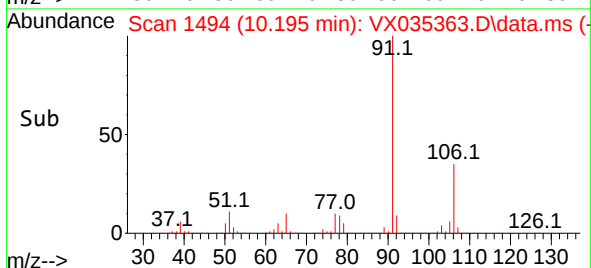
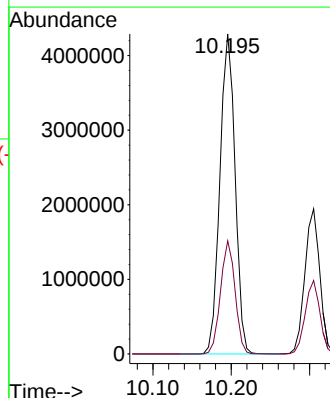
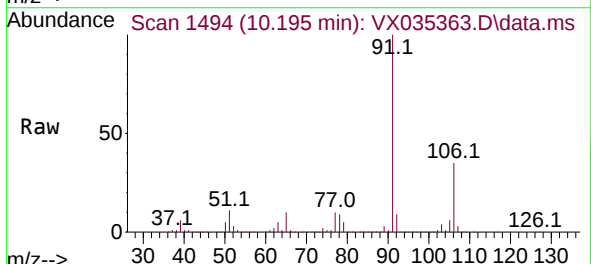
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 120.4 | 102.7 | 154.1 |
| 129 | 94.8  | 75.6  | 113.4 |
| 131 | 90.7  | 73.7  | 110.5 |

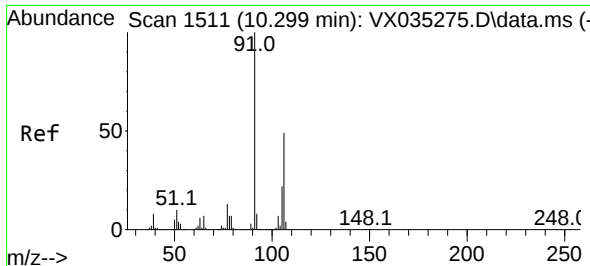


#67  
Ethyl Benzene  
Concen: 420.528 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion: 91 Resp: 5789771

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 35.4  | 25.6  | 38.4  |

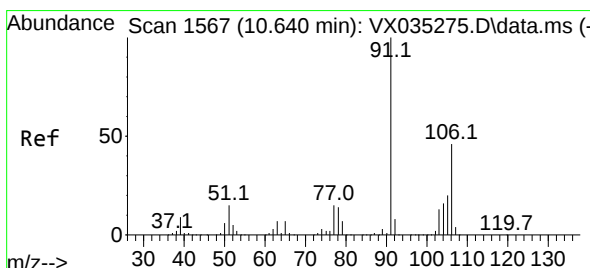
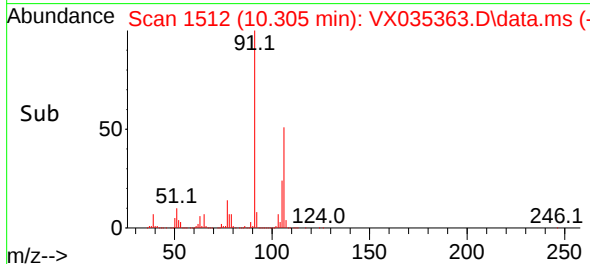
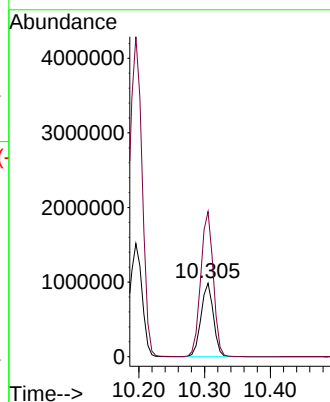
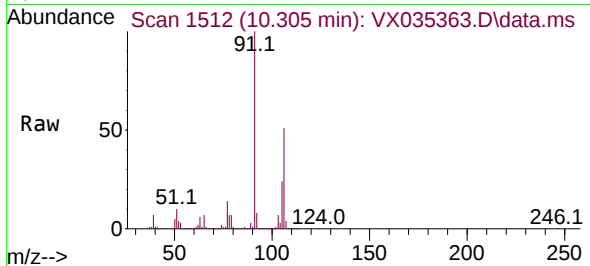




#68  
m/p-Xylenes  
Concen: 244.126 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. 0.006 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

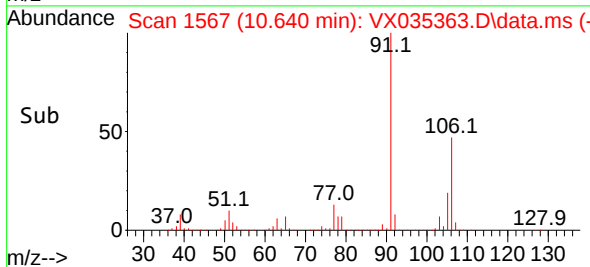
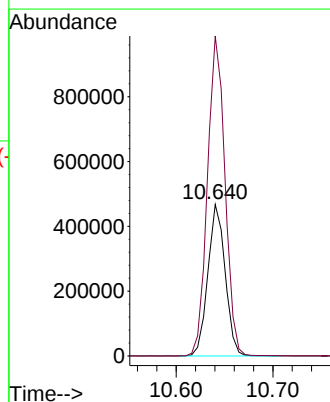
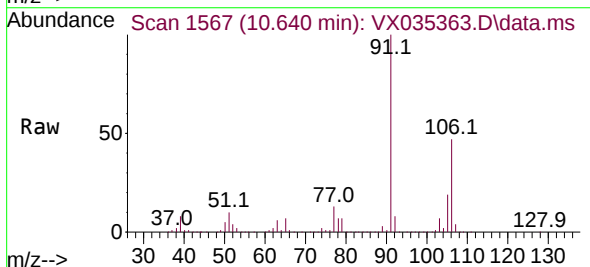
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

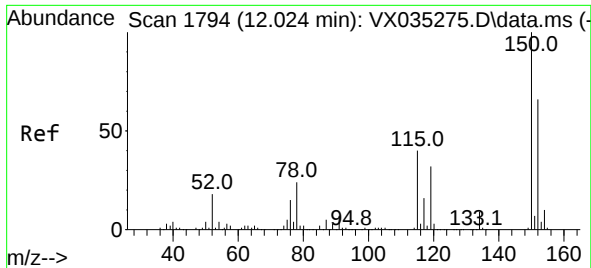
Tgt Ion:106 Resp: 1287902  
Ion Ratio Lower Upper  
106 100  
91 200.8 164.0 246.0



#69  
o-Xylene  
Concen: 112.391 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion:106 Resp: 581425  
Ion Ratio Lower Upper  
106 100  
91 214.7 108.5 325.3

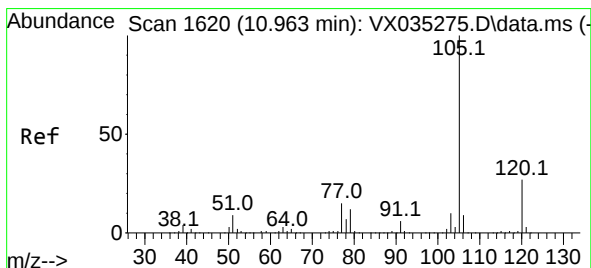
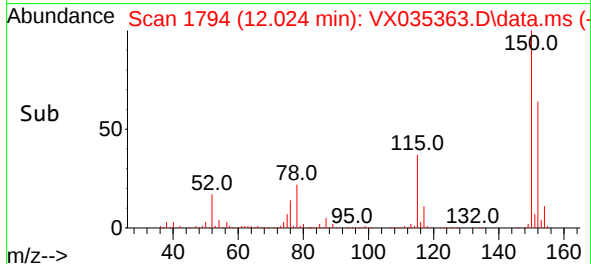
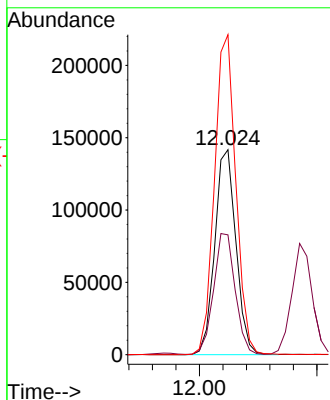
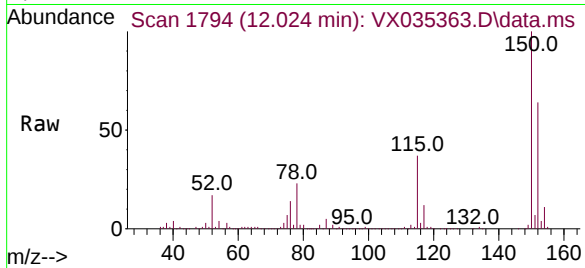




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

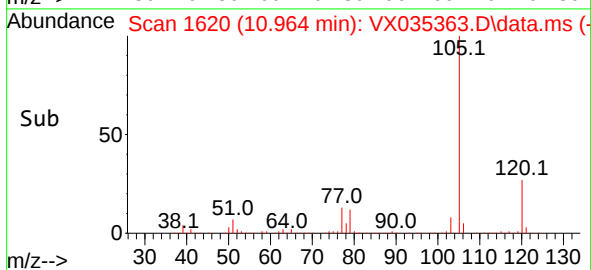
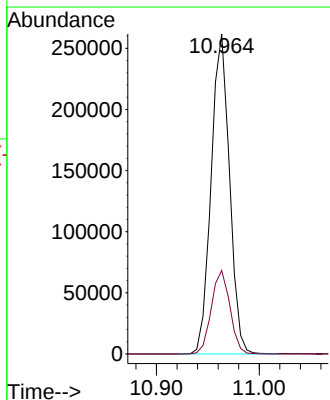
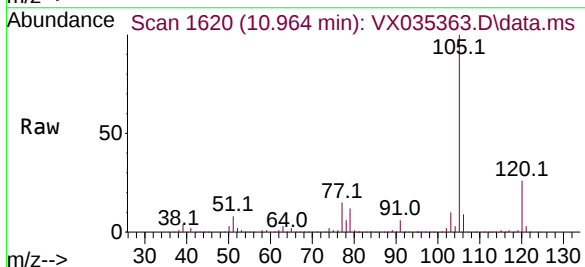
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-3

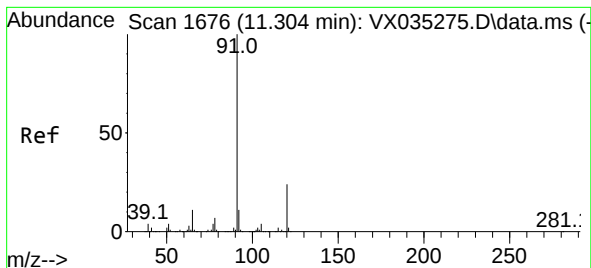
Tgt Ion:152 Resp: 177433  
Ion Ratio Lower Upper  
152 100  
115 60.2 45.0 135.0  
150 157.2 0.0 352.4



#73  
Isopropylbenzene  
Concen: 25.015 ug/l  
RT: 10.964 min Scan# 1620  
Delta R.T. 0.001 min  
Lab File: VX035363.D  
Acq: 28 Apr 2023 04:12

Tgt Ion:105 Resp: 324444  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.3 39.9





#78

n-propylbenzene

Concen: 50.189 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX035363.D

Acq: 28 Apr 2023 04:12

Instrument :

MSVOA\_X

ClientSampleId :

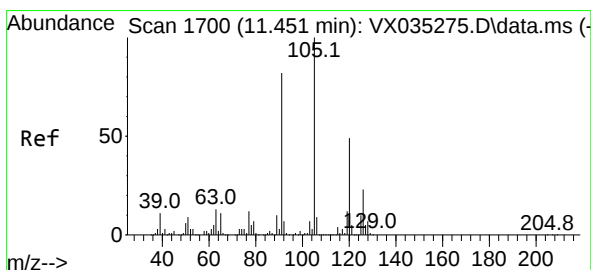
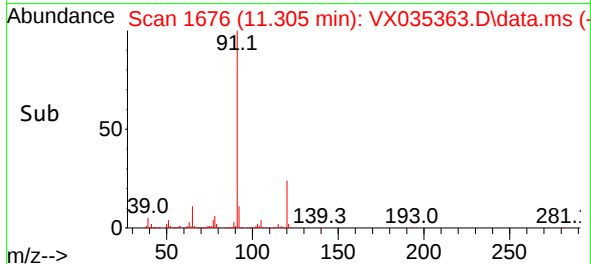
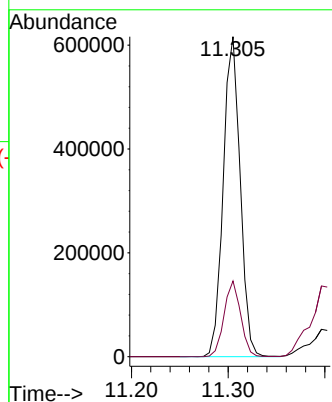
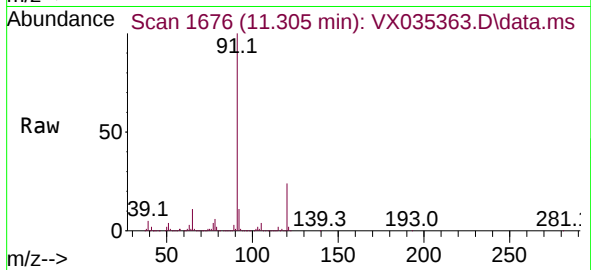
MW-3

Tgt Ion: 91 Resp: 747617

Ion Ratio Lower Upper

91 100

120 23.1 11.5 34.5



#80

1,3,5-Trimethylbenzene

Concen: 112.321 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX035363.D

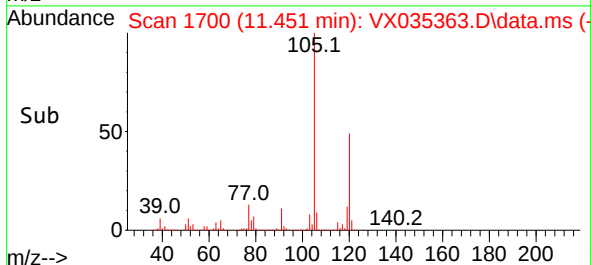
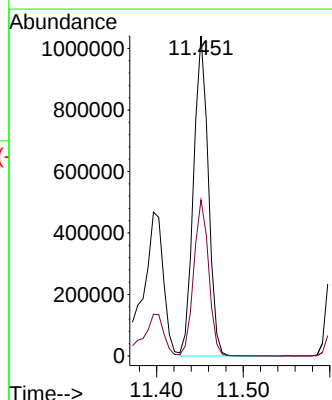
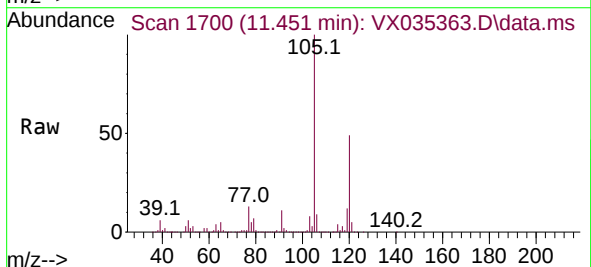
Acq: 28 Apr 2023 04:12

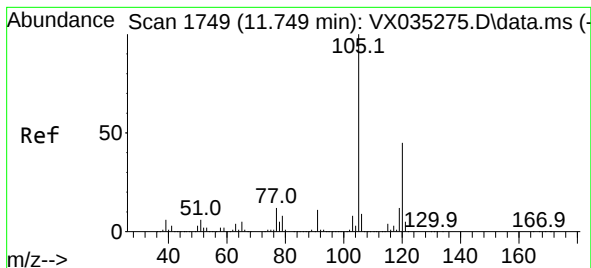
Tgt Ion:105 Resp: 1228375

Ion Ratio Lower Upper

105 100

120 49.1 23.7 71.1





#84

1,2,4-Trimethylbenzene

Concen: 551.337 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.007 min

Lab File: VX035363.D

Acq: 28 Apr 2023 04:12

Instrument :

MSVOA\_X

ClientSampleId :

MW-3

Tgt Ion:105 Resp: 6058395

Ion Ratio Lower Upper

105 100

120 48.7 22.4 67.0

