

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041422\  
 Data File : VX028117.D  
 Acq On : 14 Apr 2022 19:08  
 Operator : JC/MD  
 Sample : N2403-07DL 20X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-47DL

Quant Time: Apr 15 03:17:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
 Quant Title : Sw846 8260  
 QLast Update : Tue Apr 12 22:07:23 2022  
 Response via : Initial Calibration

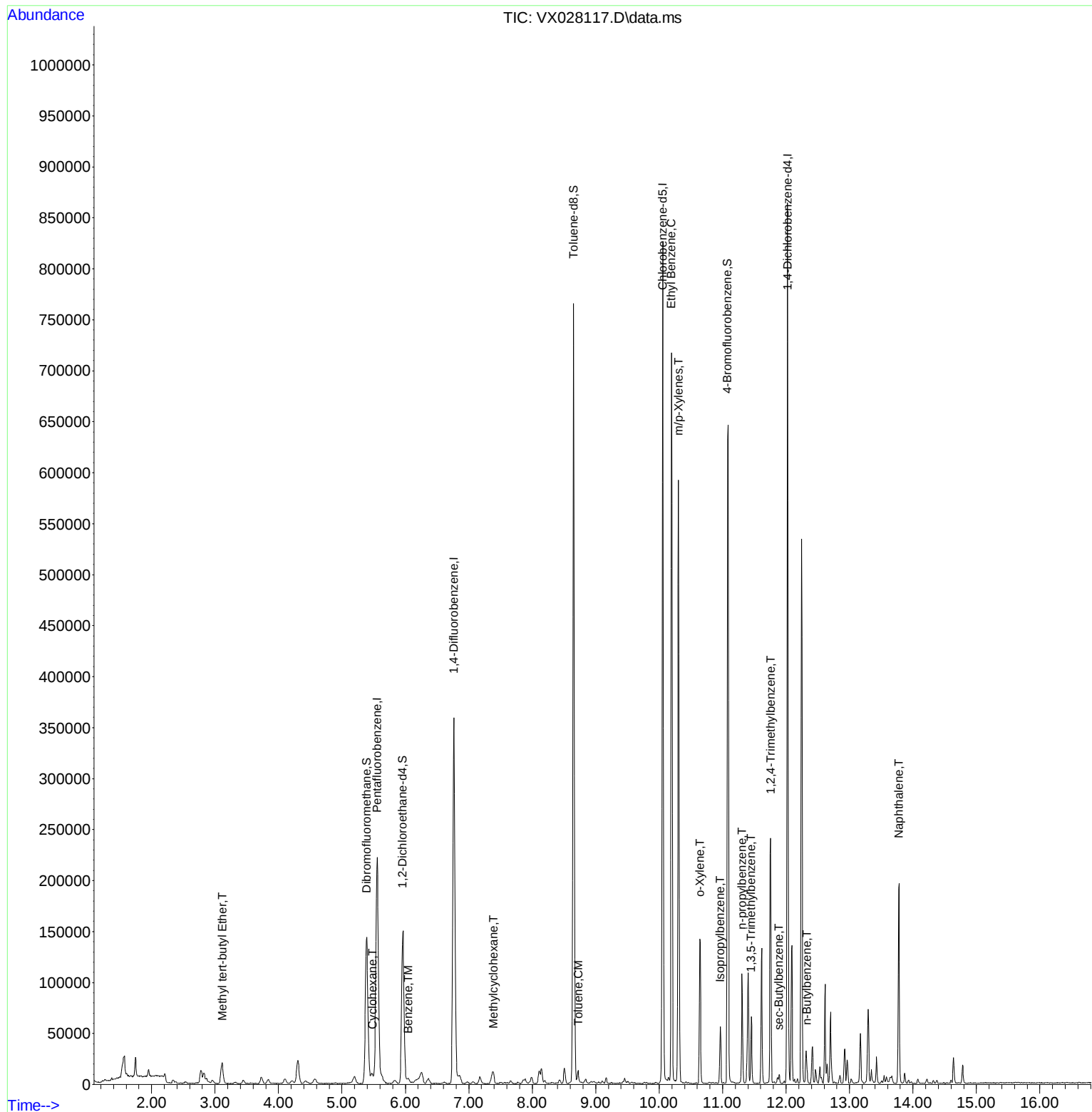
| Compound                    | R.T.           | QIon | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|----------------|------|----------|--------|----------|----------|
| -----                       |                |      |          |        |          |          |
| Internal Standards          |                |      |          |        |          |          |
| 1) Pentafluorobenzene       | 5.556          | 168  | 213491   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763          | 114  | 366483   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 352178   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 167087   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |                |      |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 5.958          | 65   | 134932   | 46.586 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 61 - 141 |      | Recovery | =      | 93.180%  |          |
| 35) Dibromofluoromethane    | 5.391          | 113  | 119960   | 49.953 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 69 - 133 |      | Recovery | =      | 99.900%  |          |
| 50) Toluene-d8              | 8.653          | 98   | 449815   | 50.223 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 65 - 126 |      | Recovery | =      | 100.440% |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 153443   | 45.885 | ug/l     | 0.00     |
| Spiked Amount 50.000        | Range 58 - 135 |      | Recovery | =      | 91.760%  |          |
| Target Compounds            |                |      |          |        |          |          |
|                             |                |      |          |        | Qvalue   |          |
| 19) Methyl tert-butyl Ether | 3.117          | 73   | 14363    | 1.815  | ug/l #   | 59       |
| 31) Cyclohexane             | 5.483          | 56   | 6177     | 1.551  | ug/l #   | 88       |
| 39) Methylcyclohexane       | 7.391          | 83   | 4662     | 1.076  | ug/l     | 97       |
| 40) Benzene                 | 6.044          | 78   | 5437     | 0.510  | ug/l     | 94       |
| 52) Toluene                 | 8.726          | 92   | 4353     | 0.612  | ug/l     | 97       |
| 67) Ethyl Benzene           | 10.195         | 91   | 389026   | 28.749 | ug/l     | 98       |
| 68) m/p-Xylenes             | 10.305         | 106  | 130941   | 23.173 | ug/l     | 99       |
| 69) o-Xylene                | 10.646         | 106  | 32015    | 5.829  | ug/l     | 95       |
| 73) Isopropylbenzene        | 10.963         | 105  | 27569    | 2.323  | ug/l     | 96       |
| 78) n-propylbenzene         | 11.305         | 91   | 63695    | 4.617  | ug/l     | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 27076    | 2.641  | ug/l     | 98       |
| 84) 1,2,4-Trimethylbenzene  | 11.756         | 105  | 104411   | 10.401 | ug/l     | 99       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 4305     | 0.340  | ug/l     | 96       |
| 89) n-Butylbenzene          | 12.329         | 91   | 5119     | 0.557  | ug/l #   | 38       |
| 95) Naphthalene             | 13.780         | 128  | 124269   | 11.271 | ug/l     | 98       |
| -----                       |                |      |          |        |          |          |

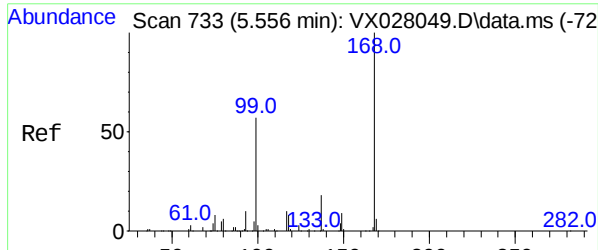
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041422\  
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Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-47DL

Quant Time: Apr 15 03:17:34 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X041222W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 12 22:07:23 2022  
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan#

Delta R.T. -0.000 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

Instrument :

MSVOA\_X

ClientSampleId :

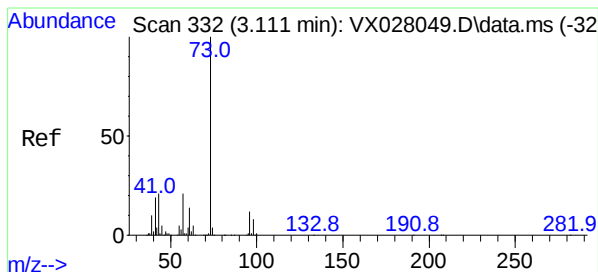
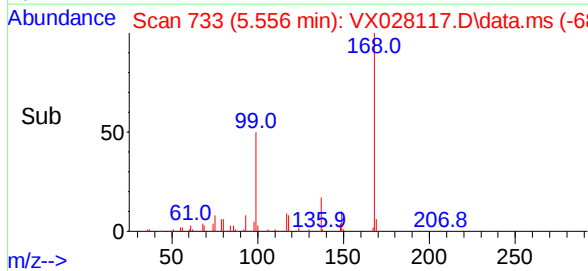
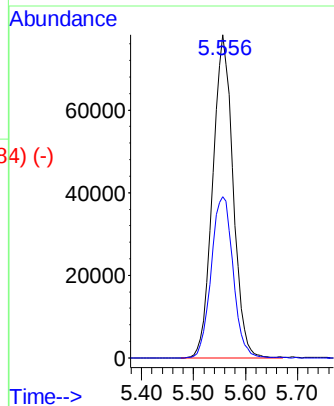
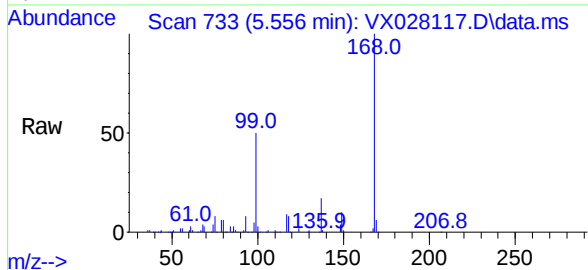
MW-47DL

Tgt Ion:168 Resp: 213491

Ion Ratio Lower Upper

168 100

99 50.0 41.7 62.5



Methyl tert-butyl Ether

Concen: 1.815 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX028117.D

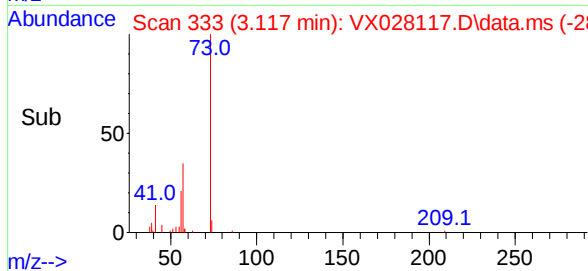
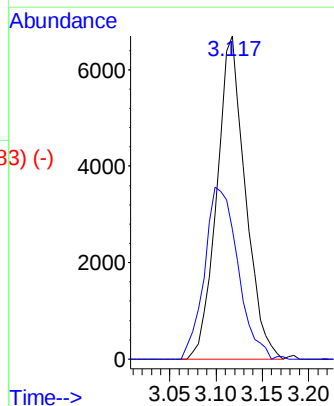
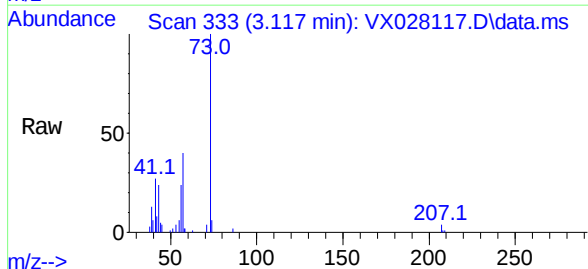
Acq: 14 Apr 2022 19:08

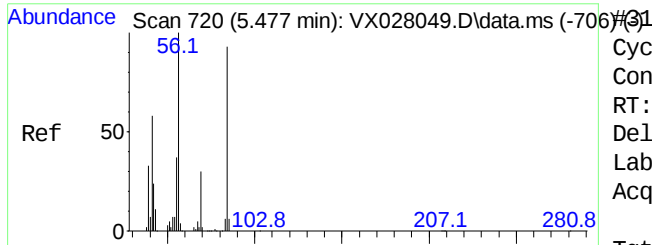
Tgt Ion: 73 Resp: 14363

Ion Ratio Lower Upper

73 100

57 40.1 16.8 25.2#





Cyclohexane

Concen: 1.551 ug/l

RT: 5.483 min Scan#

Delta R.T. 0.006 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-47DL

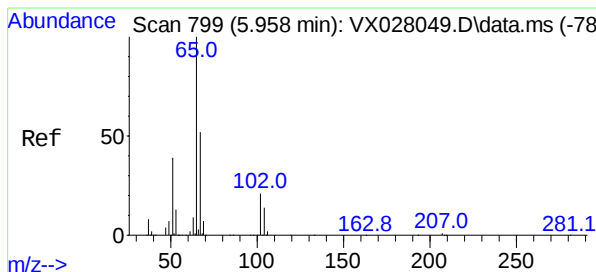
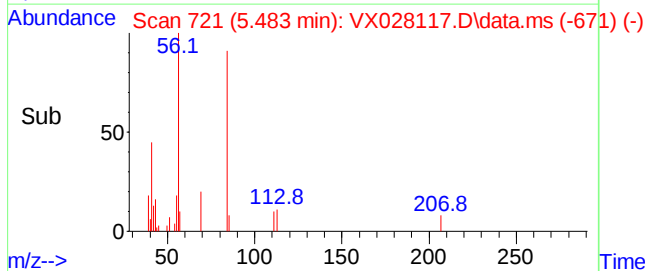
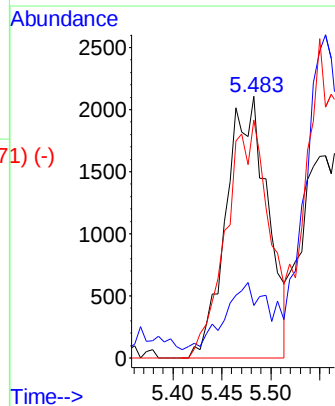
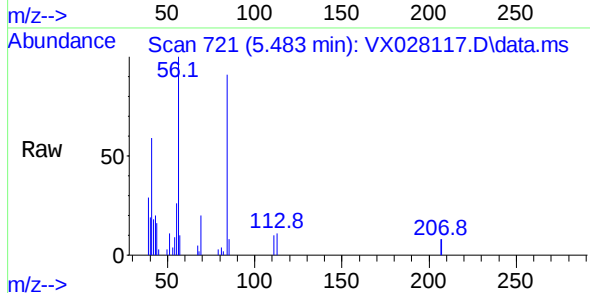
Tgt Ion: 56 Resp: 6177

Ion Ratio Lower Upper

56 100

69 16.8 26.7 40.1#

84 91.1 77.2 115.8



1,2-Dichloroethane-d4

Concen: 46.586 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028117.D

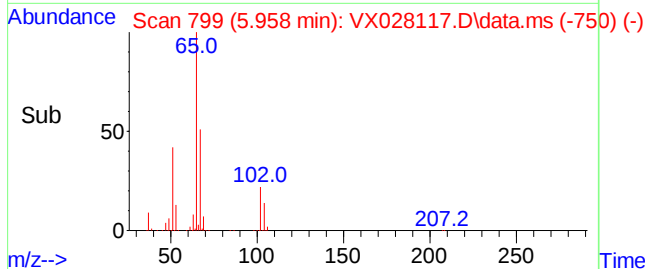
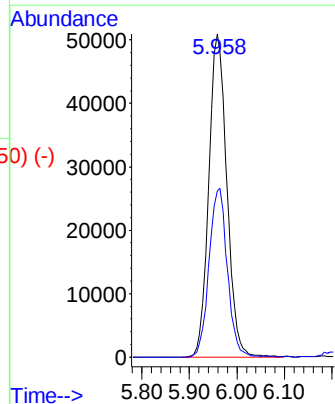
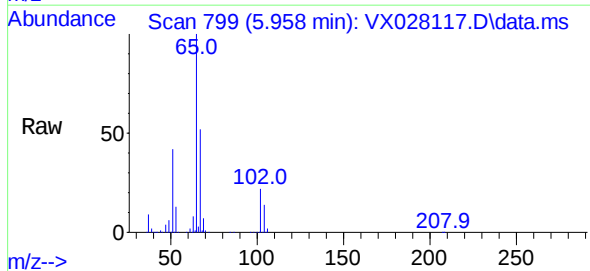
Acq: 14 Apr 2022 19:08

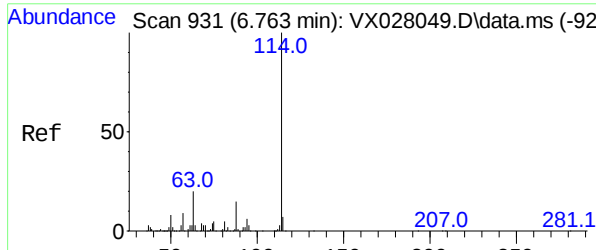
Tgt Ion: 65 Resp: 134932

Ion Ratio Lower Upper

65 100

67 52.8 0.0 107.4





1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-47DL

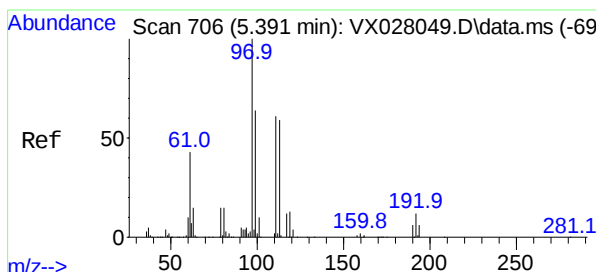
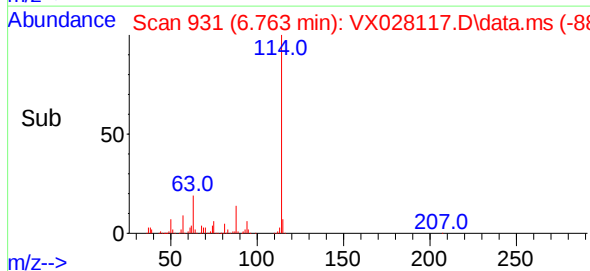
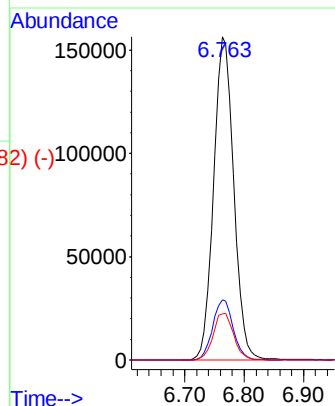
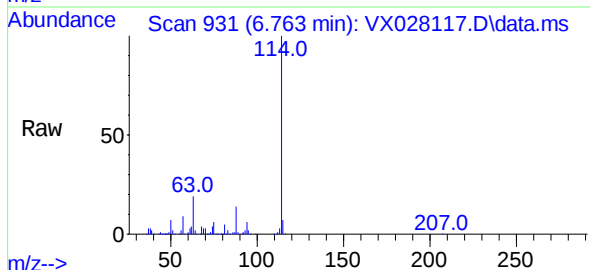
Tgt Ion:114 Resp: 366483

Ion Ratio Lower Upper

114 100

63 18.6 0.0 36.8

88 14.3 0.0 32.4



Dibromofluoromethane

Concen: 49.953 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

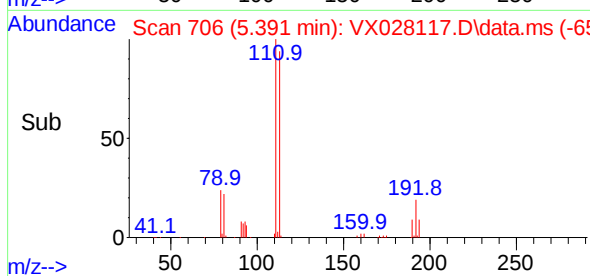
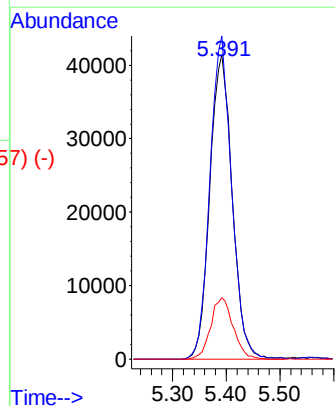
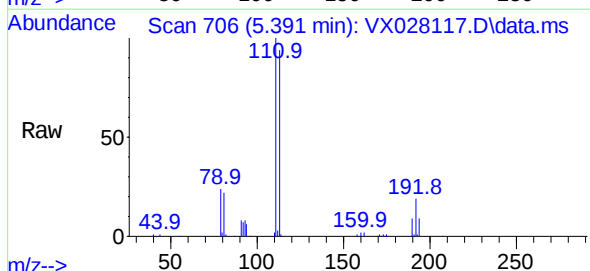
Tgt Ion:113 Resp: 119960

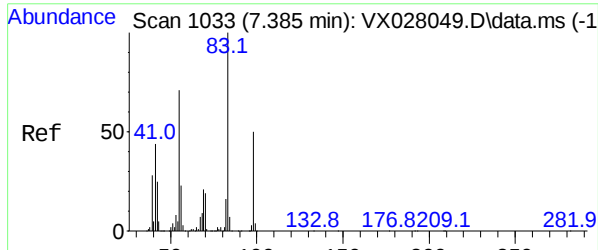
Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 20.1 16.9 25.3

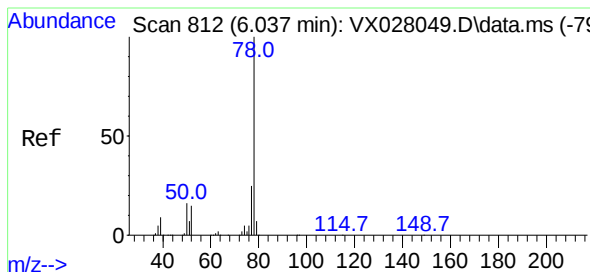
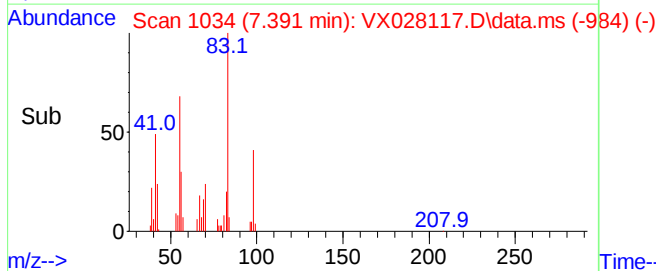
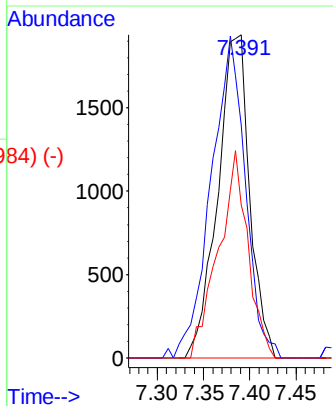
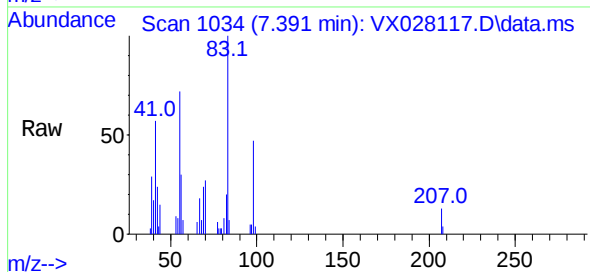




Methylcyclohexane  
 Concen: 1.076 ug/l  
 RT: 7.391 min Scan# 1033  
 Delta R.T. 0.006 min  
 Lab File: VX028117.D  
 Acq: 14 Apr 2022 19:08

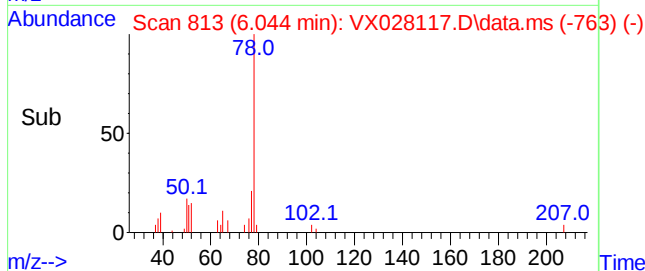
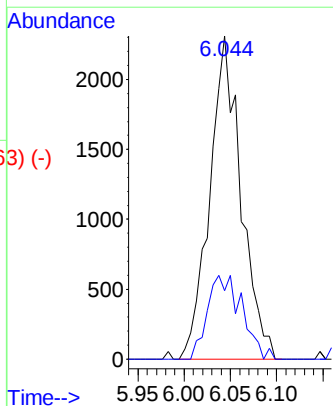
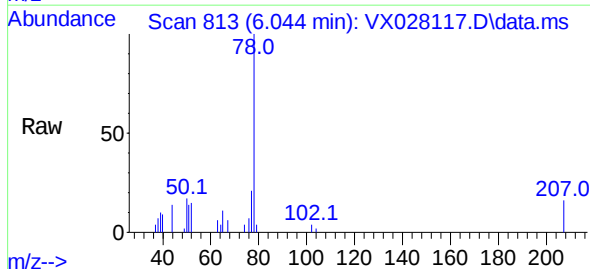
Instrument :  
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 ClientSampleId :  
 MW-47DL

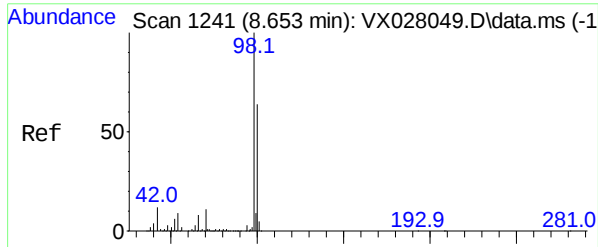
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4662  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 72.0  | 54.6  | 81.8  |
| 98       | 47.3  | 37.4  | 56.2  |



Benzene  
 Concen: 0.510 ug/l  
 RT: 6.044 min Scan# 813  
 Delta R.T. 0.007 min  
 Lab File: VX028117.D  
 Acq: 14 Apr 2022 19:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 78    | Resp: | 5437  |
| Ion      | Ratio | Lower | Upper |
| 78       | 100   |       |       |
| 77       | 21.1  | 19.3  | 28.9  |





Toluene-d8

Concen: 50.223 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

Instrument :

MSVOA\_X

ClientSampleId :

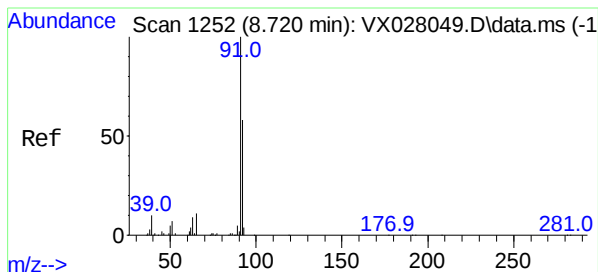
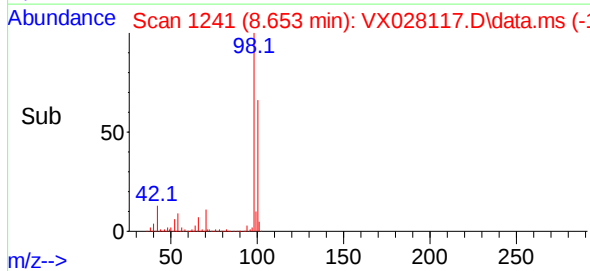
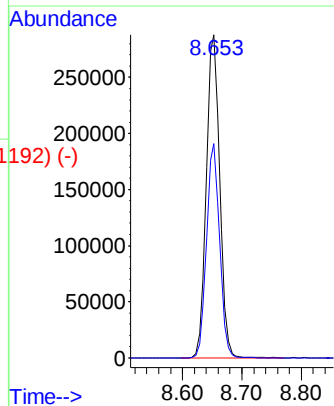
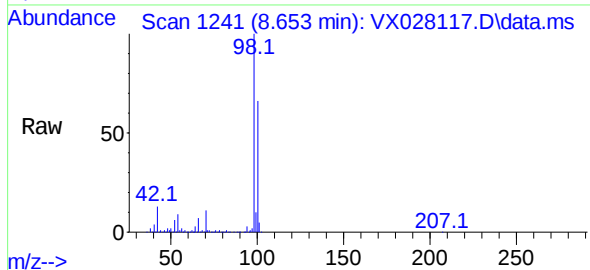
MW-47DL

Tgt Ion: 98 Resp: 449815

Ion Ratio Lower Upper

98 100

100 64.7 52.6 78.8



Toluene

Concen: 0.612 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX028117.D

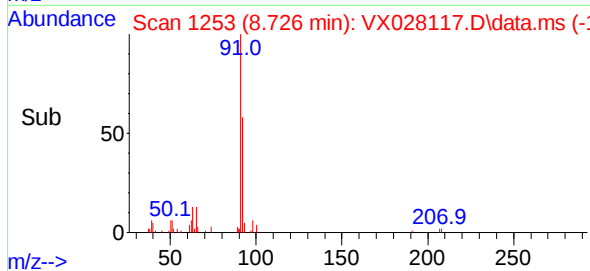
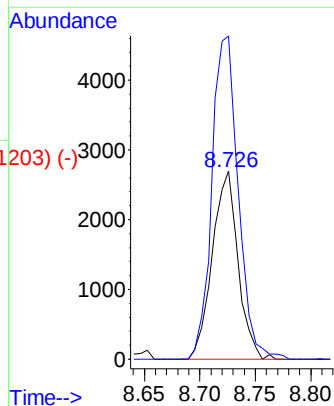
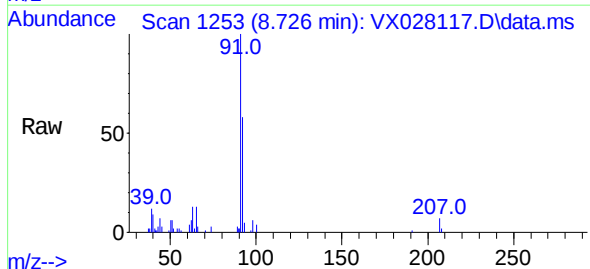
Acq: 14 Apr 2022 19:08

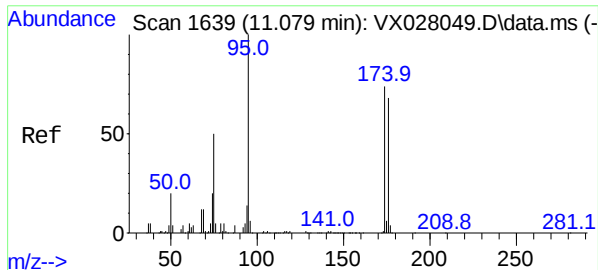
Tgt Ion: 92 Resp: 4353

Ion Ratio Lower Upper

92 100

91 175.9 137.5 206.3



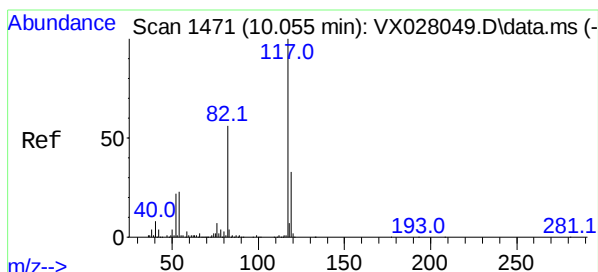
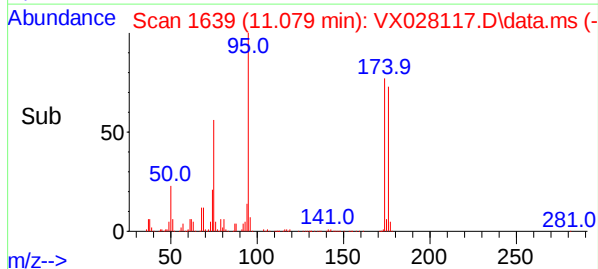
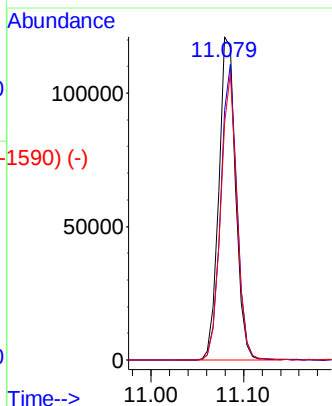
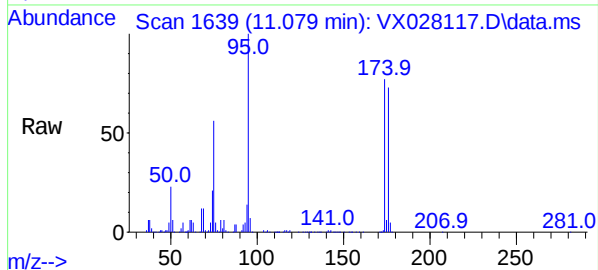


4-Bromofluorobenzene  
Concen: 45.885 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-47DL

Tgt Ion: 95 Resp: 153443

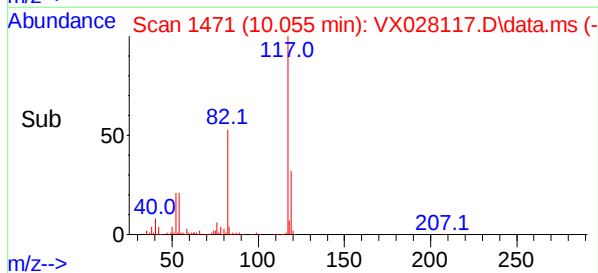
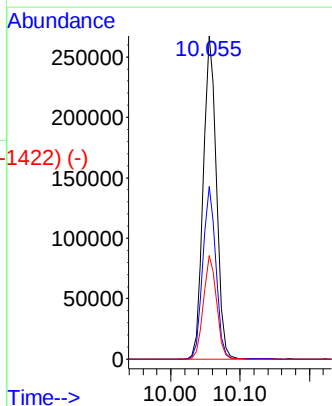
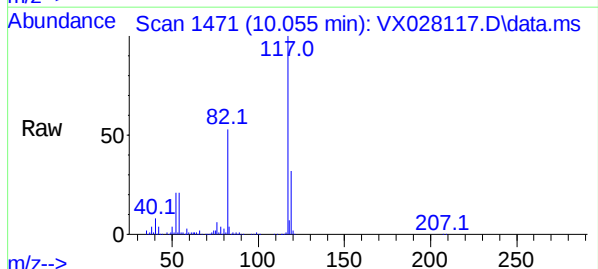
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 88.3  | 0.0   | 163.0 |
| 176 | 85.6  | 0.0   | 155.0 |

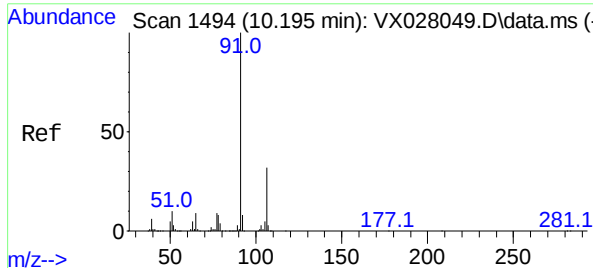


Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

Tgt Ion: 117 Resp: 352178

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 53.4  | 41.8  | 62.8  |
| 119 | 32.1  | 24.8  | 37.2  |

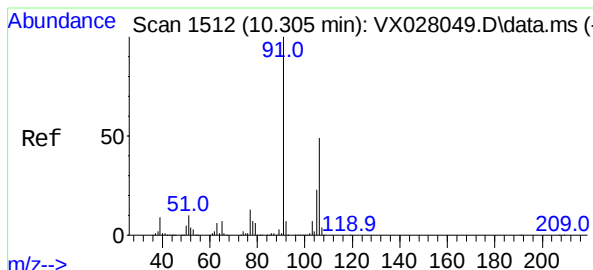
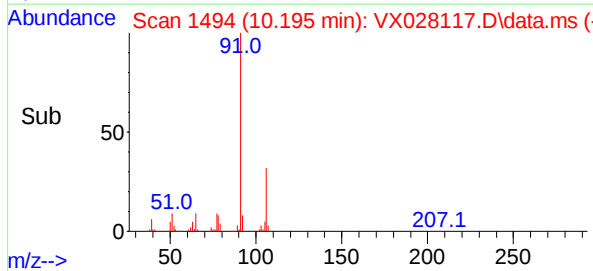
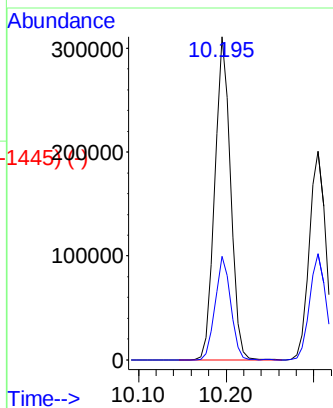
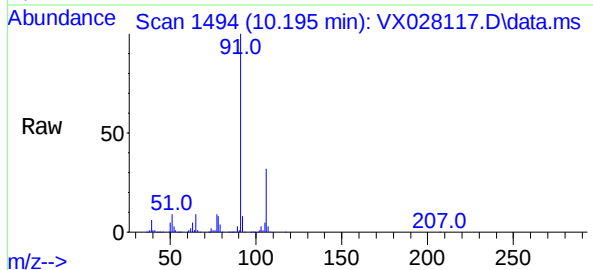




Ethyl Benzene  
Concen: 28.749 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.000 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

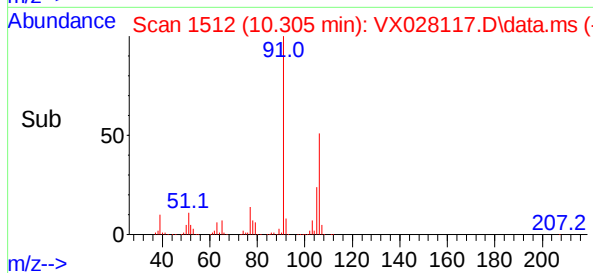
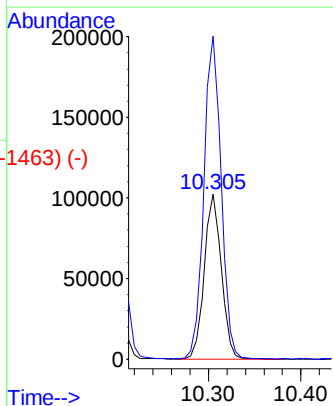
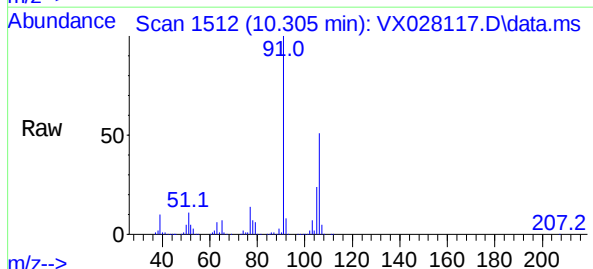
Instrument : MSVOA\_X  
Client SampleId : MW-47DL

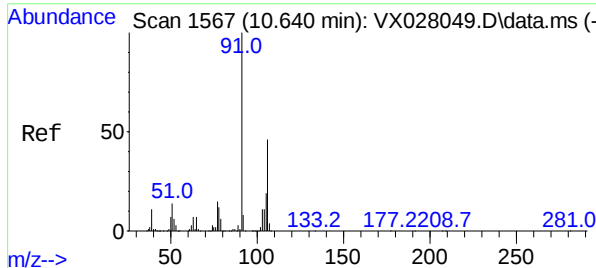
Tgt Ion: 91 Resp: 389026  
Ion Ratio Lower Upper  
91 100  
106 32.1 24.6 36.8



m/p-Xylenes  
Concen: 23.173 ug/l  
RT: 10.305 min Scan# 1512  
Delta R.T. -0.000 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

Tgt Ion:106 Resp: 130941  
Ion Ratio Lower Upper  
106 100  
91 198.5 160.4 240.6

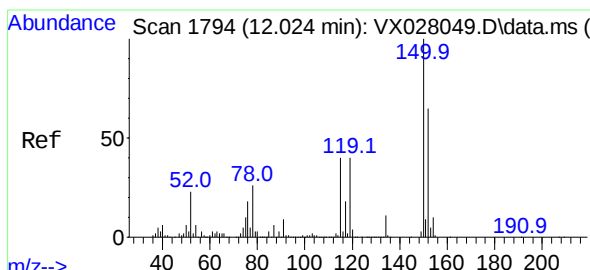
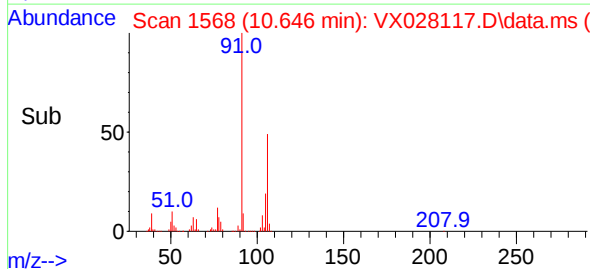
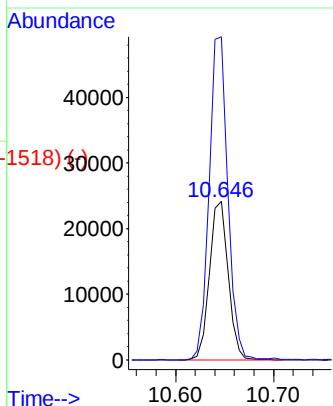
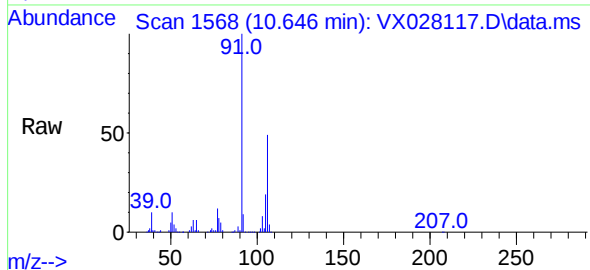




o-Xylene  
Concen: 5.829 ug/l  
RT: 10.646 min Scan# 1569  
Delta R.T. 0.006 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

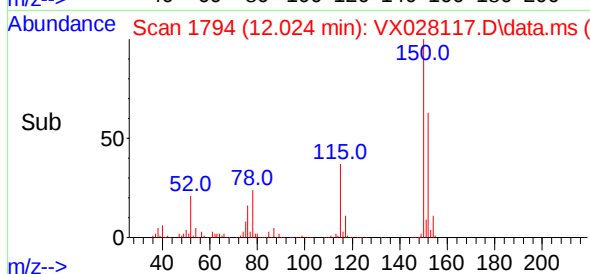
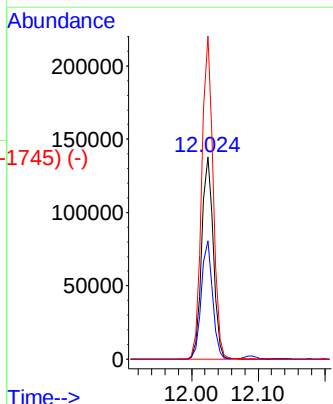
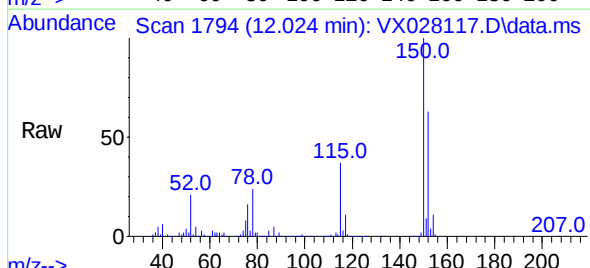
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-47DL

Tgt Ion:106 Resp: 32015  
Ion Ratio Lower Upper  
106 100  
91 204.2 106.1 318.1



1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

Tgt Ion:152 Resp: 167087  
Ion Ratio Lower Upper  
152 100  
115 56.9 37.5 112.7  
150 157.2 0.0 338.2



Abundance Scan 1620 (10.963 min): VX028049.D\data.ms (-1673) (-)

Isopropylbenzene

Concen: 2.323 ug/l

RT: 10.963 min Scan# 1673

Delta R.T. 0.000 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

Instrument :

MSVOA\_X

Client SampleId :

MW-47DL

Tgt Ion:105 Resp: 27569

Ion Ratio Lower Upper

105 100

120 24.9 13.5 40.5

Abundance Scan 1620 (10.963 min): VX028117.D\data.ms

Ref

51.0 105.0 192.9

m/z-->

Abundance Scan 1620 (10.963 min): VX028117.D\data.ms

Raw

51.0 105.0 207.1 280.7

m/z-->

Abundance Scan 1620 (10.963 min): VX028117.D\data.ms (-1571) (-)

Sub

51.0 105.0 208.0 280.6

m/z-->

Abundance

10.963

20000

15000

10000

5000

0

Time-->

Abundance Scan 1676 (11.305 min): VX028049.D\data.ms (-1673) (-)

n-propylbenzene

Concen: 4.617 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

Tgt Ion: 91 Resp: 63695

Ion Ratio Lower Upper

91 100

120 24.1 11.6 34.8

Abundance Scan 1676 (11.305 min): VX028117.D\data.ms

Ref

39.1 91.0 133.2 176.8 209.0 281.1

m/z-->

Abundance Scan 1676 (11.305 min): VX028117.D\data.ms

Raw

39.1 91.0 207.1 281.0

m/z-->

Abundance Scan 1676 (11.305 min): VX028117.D\data.ms (-1627) (-)

Sub

39.0 91.0 207.1 280.9

m/z-->

Abundance

11.305

50000

40000

30000

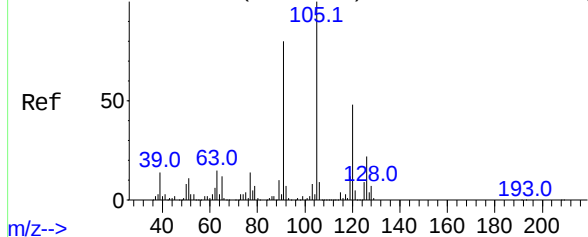
20000

10000

0

Time-->

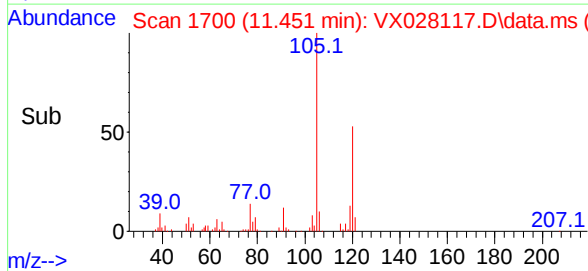
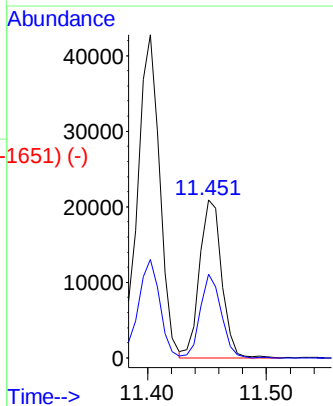
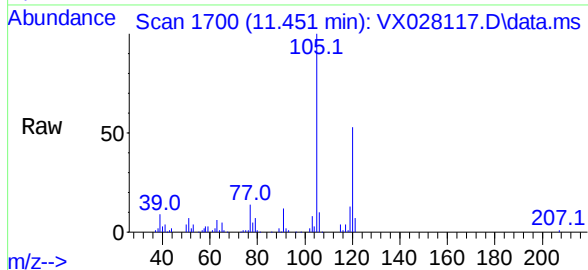
Abundance Scan 1700 (11.451 min): VX028049.D\data.ms (-1651) (-)



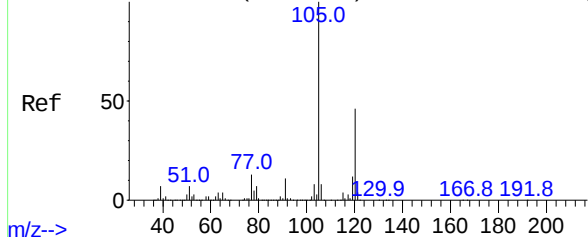
1,3,5-Trimethylbenzene  
Concen: 2.641 ug/l  
RT: 11.451 min Scan# 1651  
Delta R.T. 0.000 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

Instrument : MSVOA\_X  
ClientSampleId : MW-47DL

Tgt Ion:105 Resp: 27076  
Ion Ratio Lower Upper  
105 100  
120 50.0 24.3 72.9

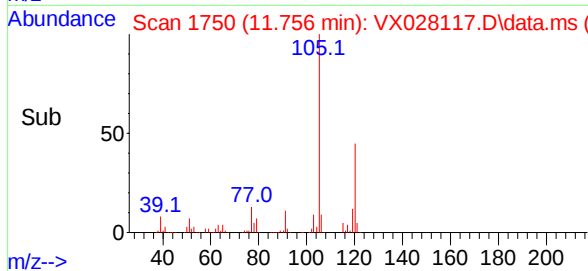
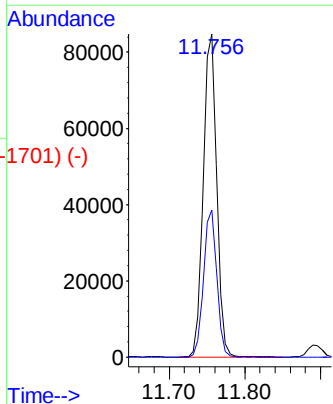
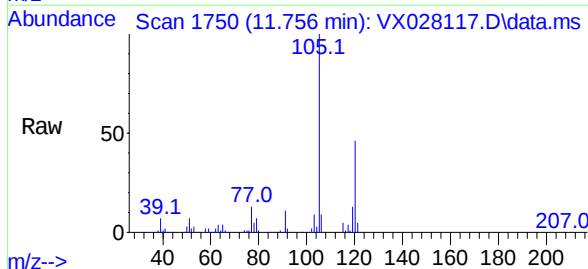


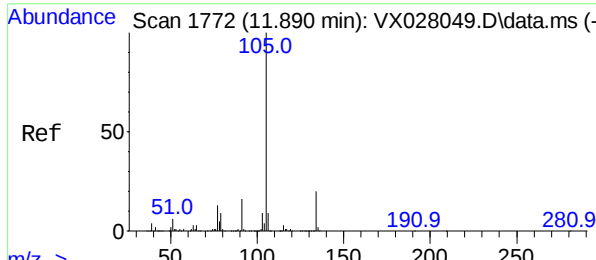
Abundance Scan 1750 (11.756 min): VX028049.D\data.ms (-1701) (-)



1,2,4-Trimethylbenzene  
Concen: 10.401 ug/l  
RT: 11.756 min Scan# 1750  
Delta R.T. -0.000 min  
Lab File: VX028117.D  
Acq: 14 Apr 2022 19:08

Tgt Ion:105 Resp: 104411  
Ion Ratio Lower Upper  
105 100  
120 44.8 22.6 67.8

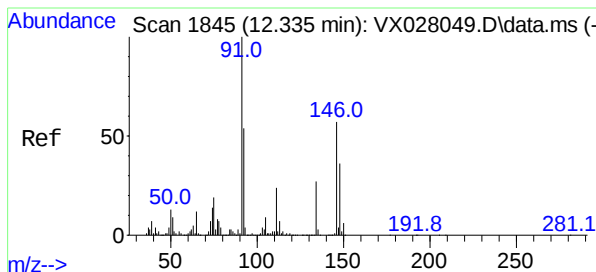
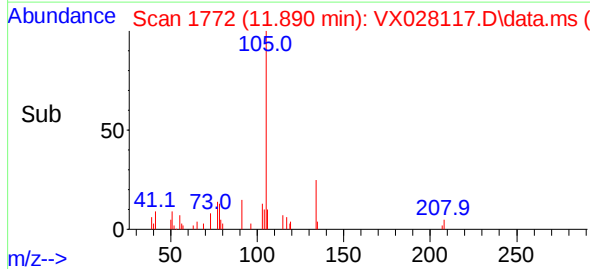
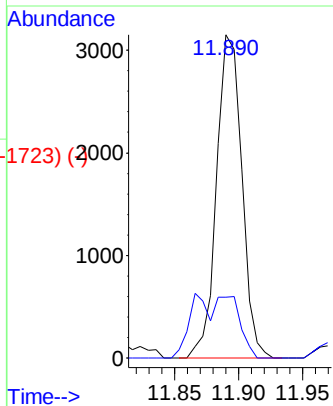
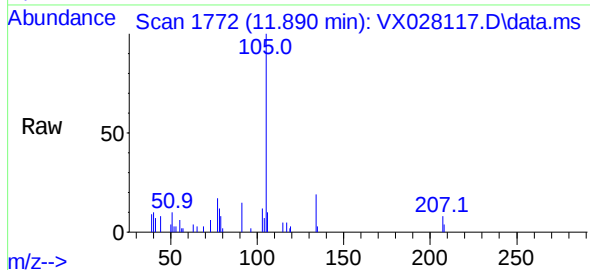




sec-Butylbenzene  
 Concen: 0.340 ug/l  
 RT: 11.890 min Scan# 1785  
 Delta R.T. 0.000 min  
 Lab File: VX028117.D  
 Acq: 14 Apr 2022 19:08

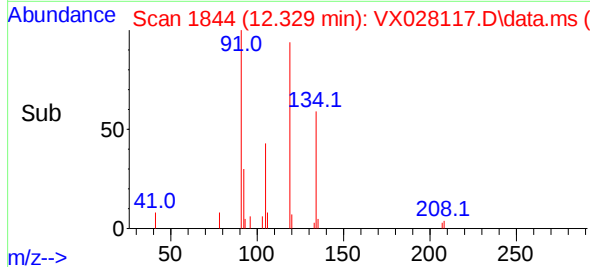
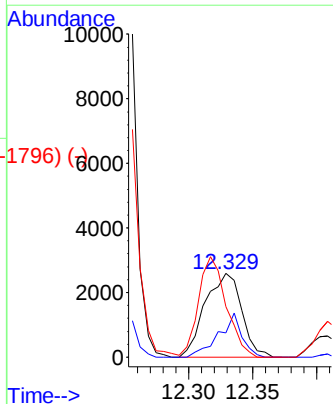
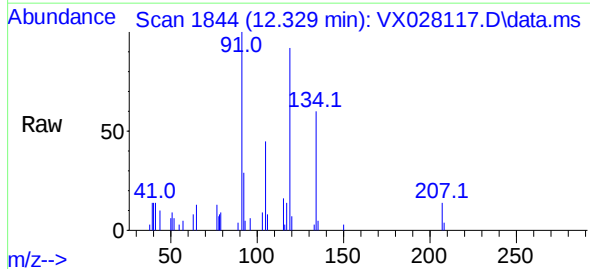
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-47DL

Tgt Ion: 105 Resp: 4305  
 Ion Ratio Lower Upper  
 105 100  
 134 18.4 10.2 30.4

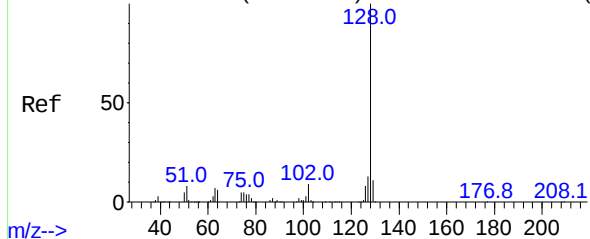


n-Butylbenzene  
 Concen: 0.557 ug/l  
 RT: 12.329 min Scan# 1844  
 Delta R.T. -0.006 min  
 Lab File: VX028117.D  
 Acq: 14 Apr 2022 19:08

Tgt Ion: 91 Resp: 5119  
 Ion Ratio Lower Upper  
 91 100  
 92 33.2 27.8 83.3  
 134 91.9 13.3 39.8#



Abundance Scan 2081 (13.774 min): VX028049.D\data.ms (-2081) (-)



Naphthalene

Concen: 11.271 ug/l

RT: 13.780 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX028117.D

Acq: 14 Apr 2022 19:08

Instrument :

MSVOA\_X

ClientSampleId :

MW-47DL

Tgt Ion:128 Resp: 124269

Ion Ratio Lower Upper

128 100

127 13.6 10.2 15.4

129 11.6 8.7 13.1

