

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX080723\  
 Data File : VX036840.D  
 Acq On : 07 Aug 2023 16:28  
 Operator : JC/MD  
 Sample : 03896-03 50X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 50119

Quant Time: Aug 08 01:38:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 21 12:14:12 2023  
 Response via : Initial Calibration

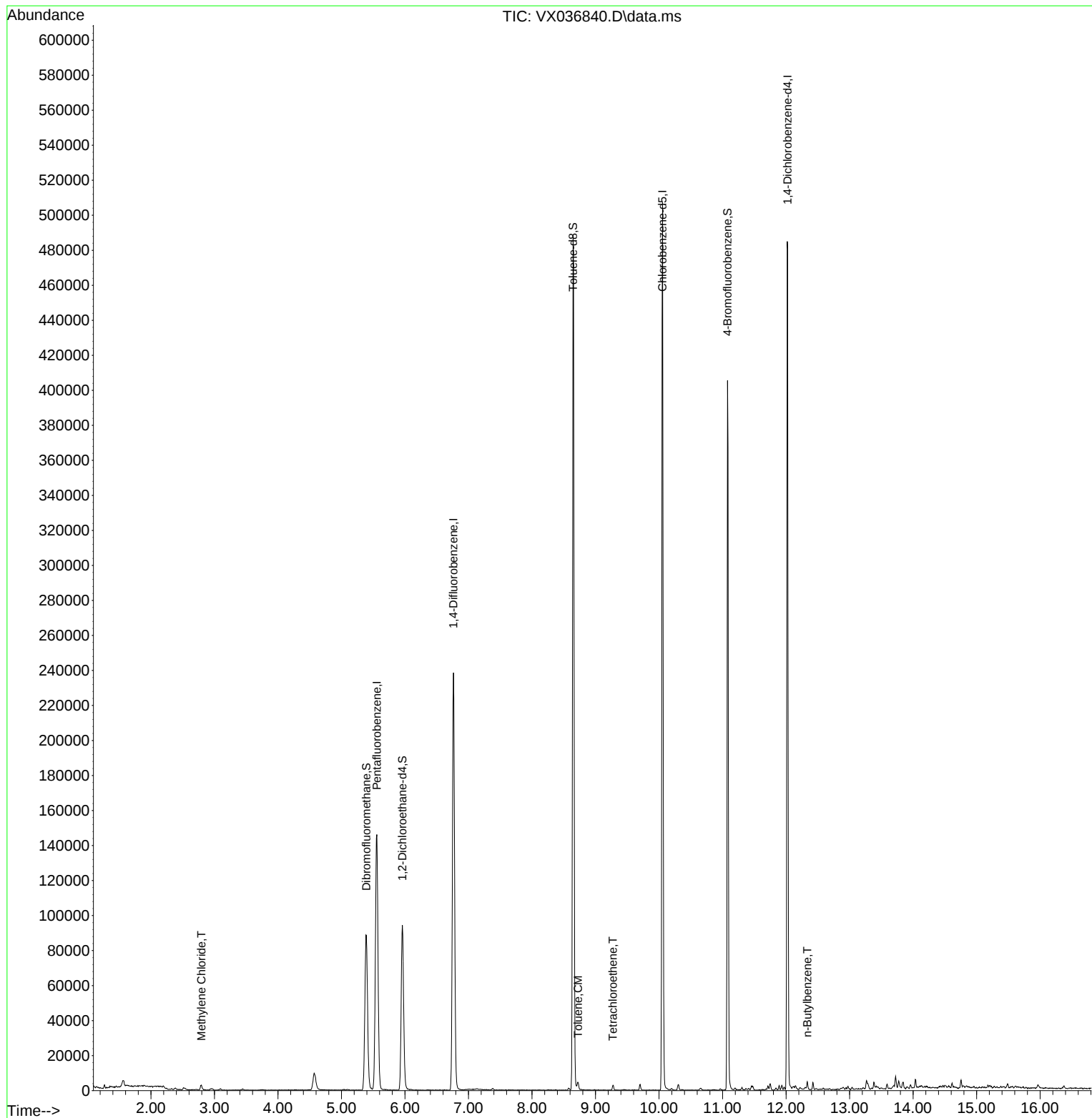
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 135829   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 246540   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 227343   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 101291   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.958  | 65    | 92673    | 46.111   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 92.220%  |
| 35) Dibromofluoromethane    | 5.391  | 113   | 79068    | 46.659   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 93.320%  |
| 50) Toluene-d8              | 8.647  | 98    | 294147   | 48.948   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 97.900%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 111157   | 49.028   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 98.060%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 2.794  | 84    | 1456     | 0.785    | ug/l # | 93       |
| 52) Toluene                 | 8.726  | 92    | 1774     | 0.385    | ug/l   | 95       |
| 64) Tetrachloroethene       | 9.275  | 164   | 511      | 0.301    | ug/l   | 94       |
| 89) n-Butylbenzene          | 12.335 | 91    | 1641     | 0.259    | ug/l   | 99       |
| -----                       |        |       |          |          |        |          |

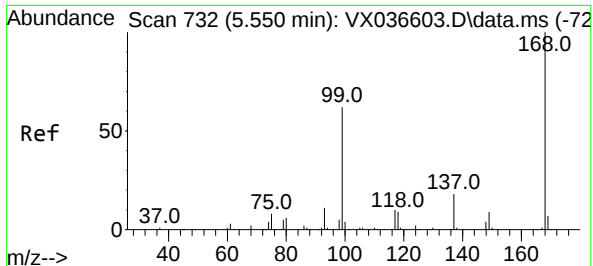
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X072123W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 21 12:14:12 2023  
Response via : Initial Calibration

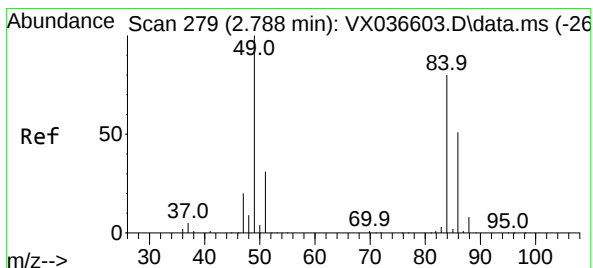
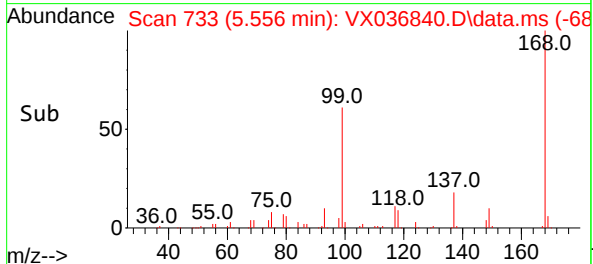
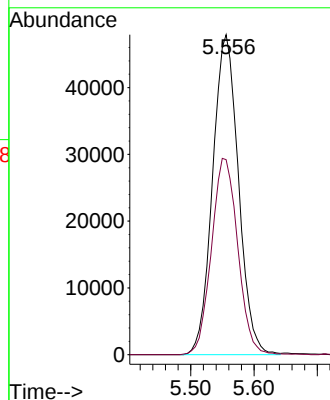
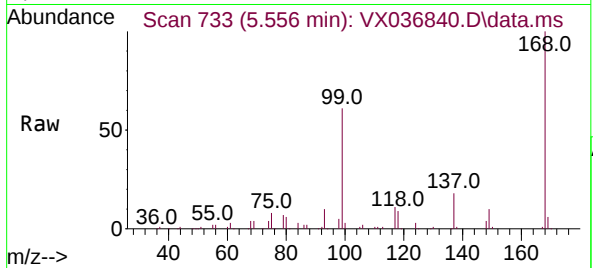




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

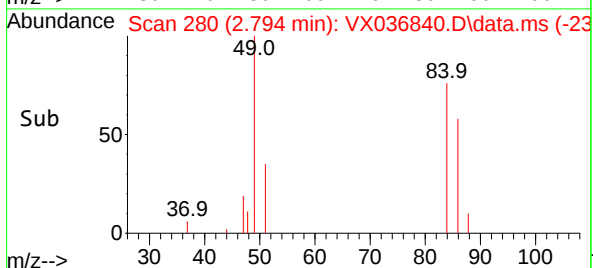
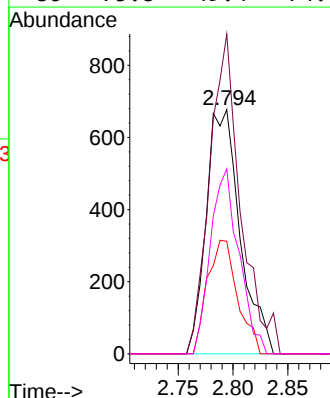
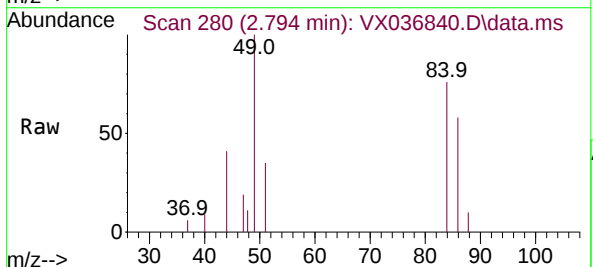
Instrument :  
MSVOA\_X  
ClientSampleId :  
50119

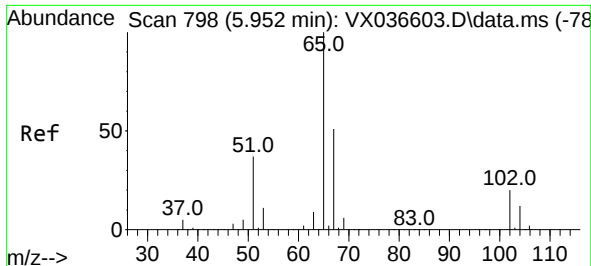
Tgt Ion:168 Resp: 135829  
Ion Ratio Lower Upper  
168 100  
99 61.0 56.6 85.0



#20  
Methylene Chloride  
Concen: 0.785 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

Tgt Ion: 84 Resp: 1456  
Ion Ratio Lower Upper  
84 100  
49 131.0 103.6 155.4  
51 46.1 33.8 50.6  
86 75.8 49.4 74.0#





#33

1,2-Dichloroethane-d4

Concen: 46.111 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Instrument :

MSVOA\_X

ClientSampleId :

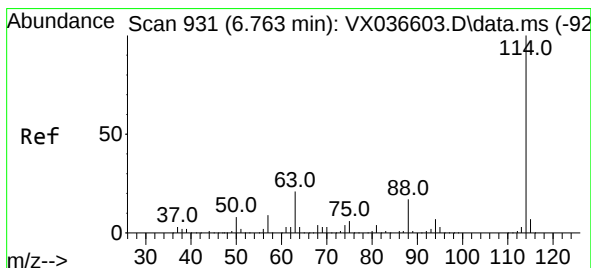
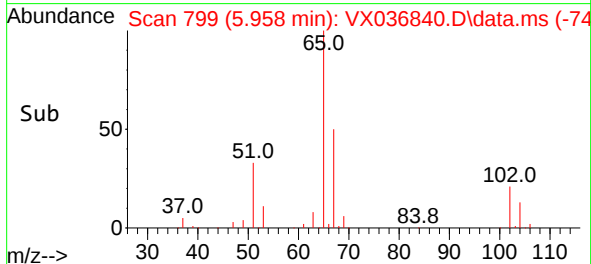
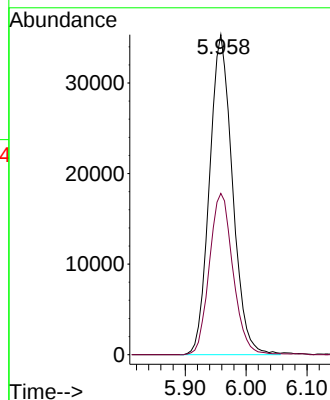
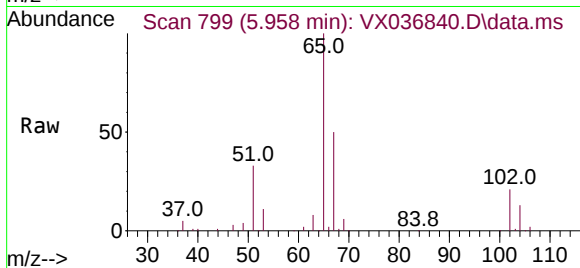
50119

Tgt Ion: 65 Resp: 92673

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

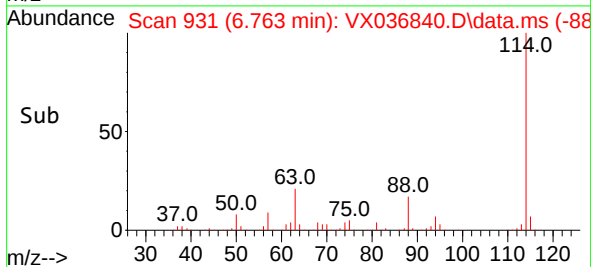
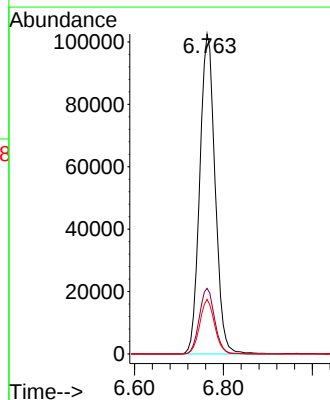
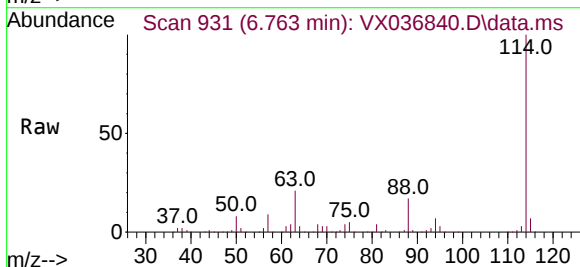
Tgt Ion: 114 Resp: 246540

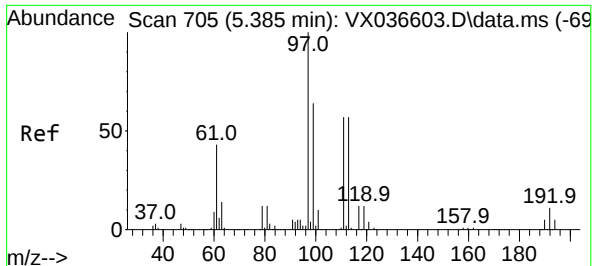
Ion Ratio Lower Upper

114 100

63 20.5 0.0 45.0

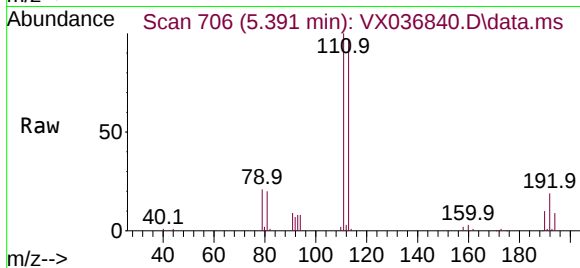
88 17.1 0.0 36.6



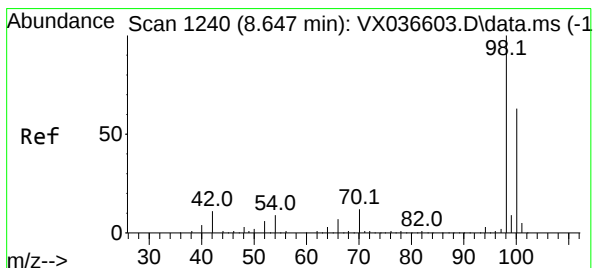
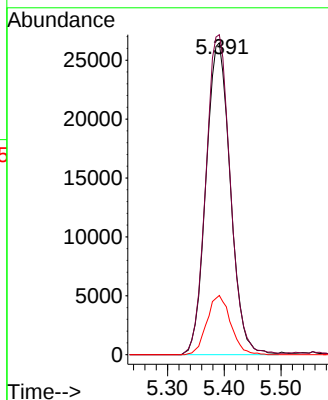
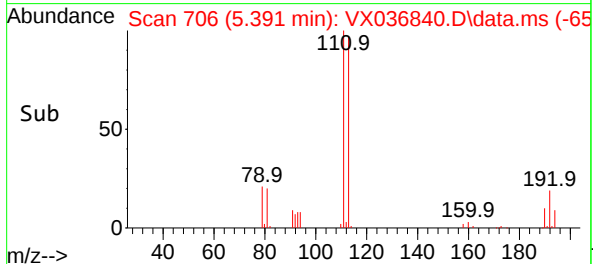


#35  
Dibromofluoromethane  
Concen: 46.659 ug/l  
RT: 5.391 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

Instrument :  
MSVOA\_X  
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50119

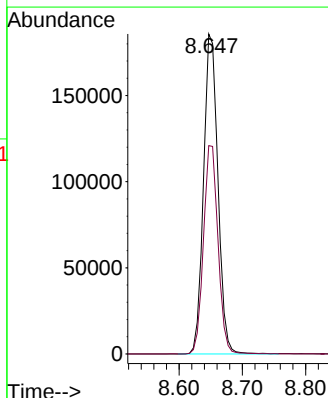
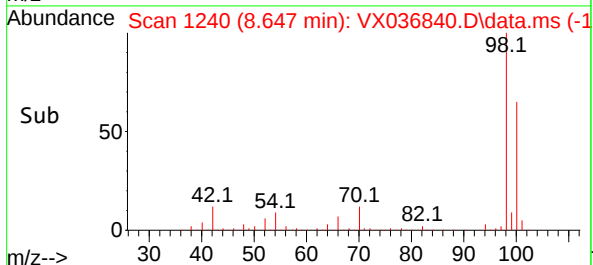
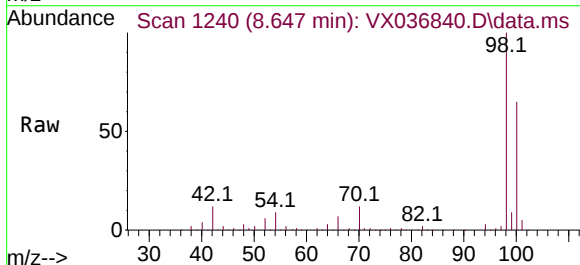


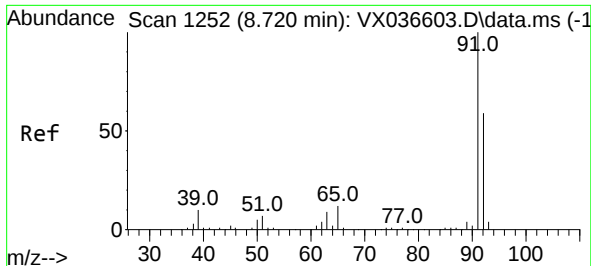
Tgt Ion:113 Resp: 79068  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.9 124.3  
192 18.5 13.3 19.9



#50  
Toluene-d8  
Concen: 48.948 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

Tgt Ion: 98 Resp: 294147  
Ion Ratio Lower Upper  
98 100  
100 65.9 53.1 79.7

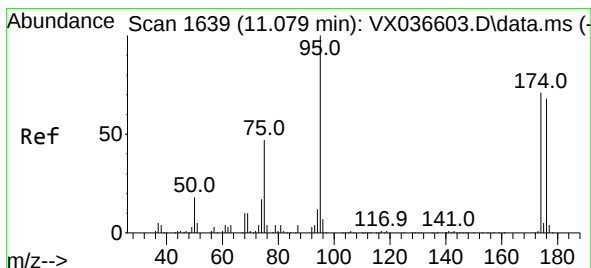
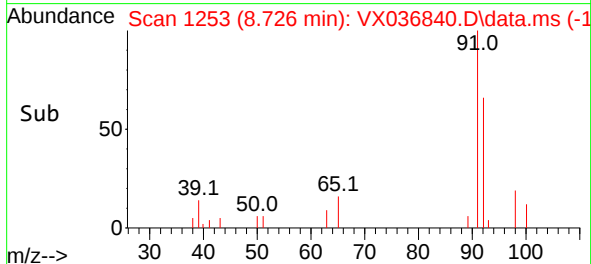
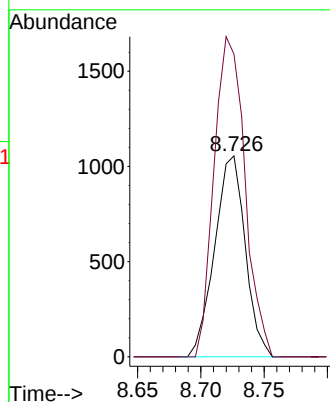
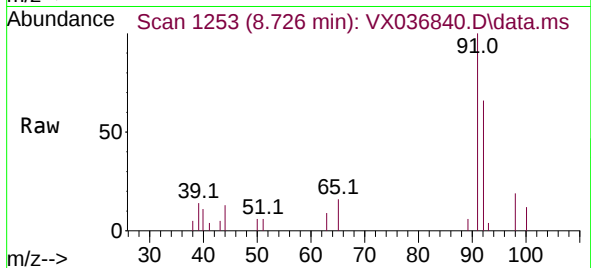




#52  
Toluene  
Concen: 0.385 ug/l  
RT: 8.726 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

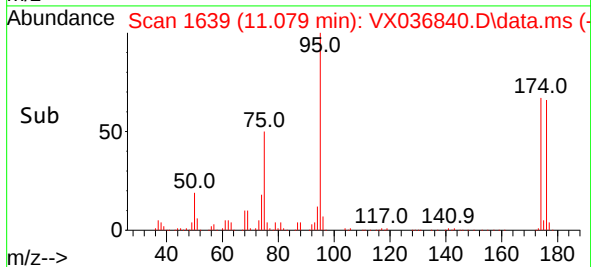
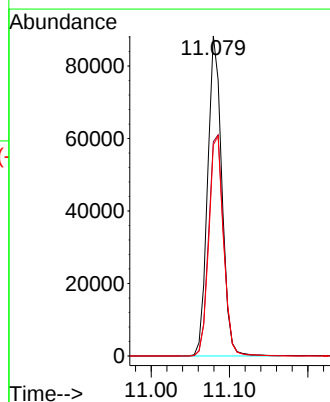
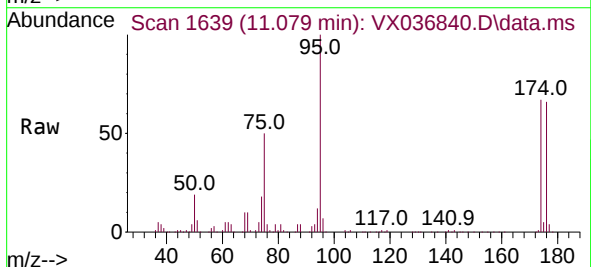
Instrument :  
MSVOA\_X  
ClientSampleId :  
50119

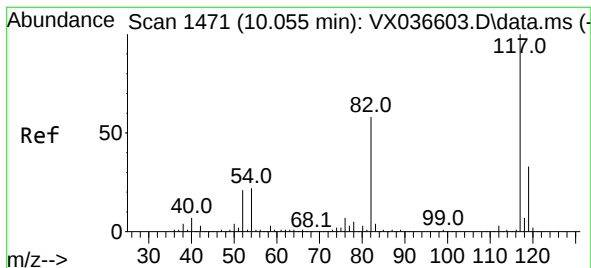
Tgt Ion: 92 Resp: 1774  
Ion Ratio Lower Upper  
92 100  
91 160.8 134.2 201.2



#62  
4-Bromofluorobenzene  
Concen: 49.028 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

Tgt Ion: 95 Resp: 111157  
Ion Ratio Lower Upper  
95 100  
174 72.4 0.0 135.6  
176 70.6 0.0 131.0

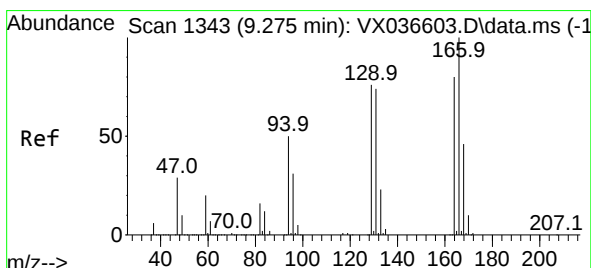
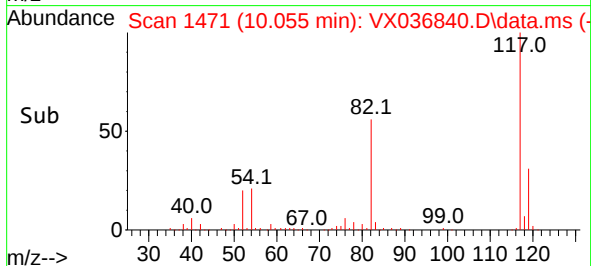
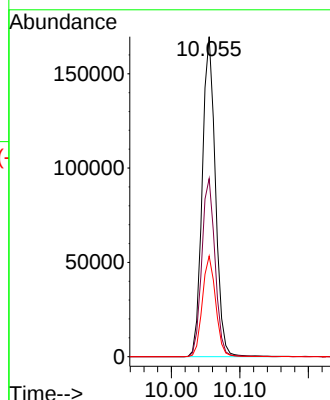
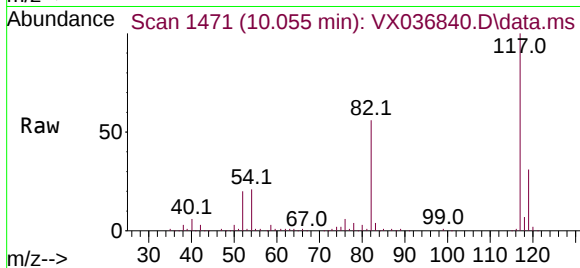




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

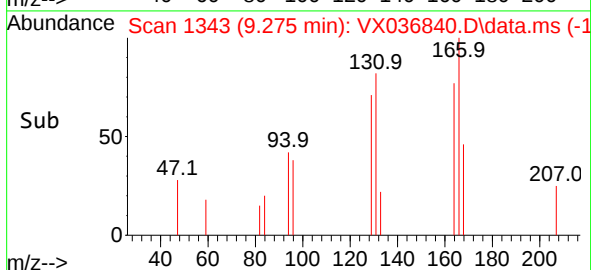
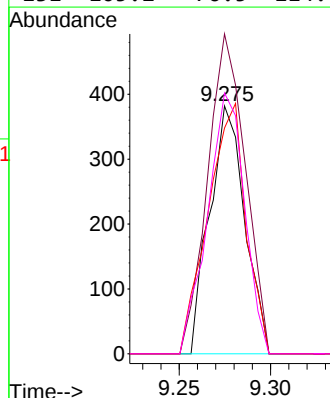
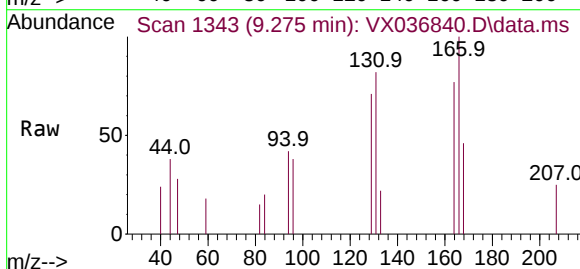
Instrument :  
MSVOA\_X  
ClientSampleId :  
50119

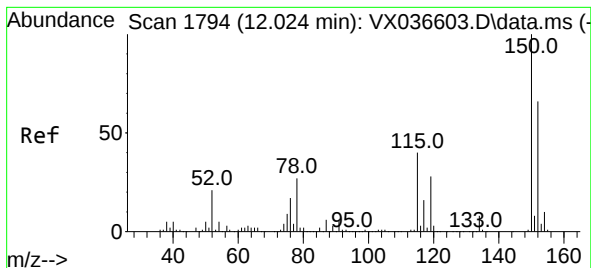
Tgt Ion:117 Resp: 227343  
Ion Ratio Lower Upper  
117 100  
82 55.6 46.2 69.4  
119 31.4 25.5 38.3



#64  
Tetrachloroethene  
Concen: 0.301 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. 0.000 min  
Lab File: VX036840.D  
Acq: 07 Aug 2023 16:28

Tgt Ion:164 Resp: 511  
Ion Ratio Lower Upper  
164 100  
166 129.1 102.7 154.1  
129 91.1 80.4 120.6  
131 105.2 76.5 114.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Instrument :

MSVOA\_X

ClientSampleId :

50119

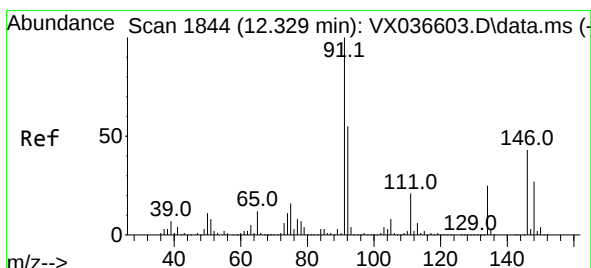
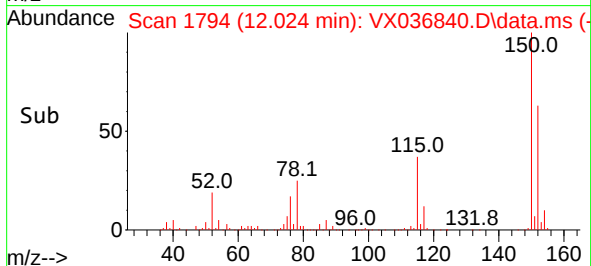
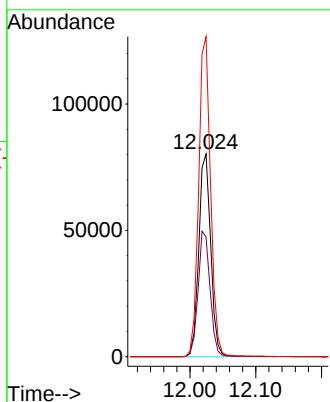
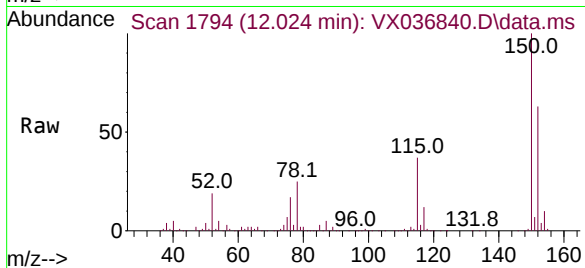
Tgt Ion:152 Resp: 101291

Ion Ratio Lower Upper

152 100

115 62.2 43.3 129.9

150 157.1 0.0 345.0



#89

n-Butylbenzene

Concen: 0.259 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036840.D

Acq: 07 Aug 2023 16:28

Tgt Ion: 91 Resp: 1641

Ion Ratio Lower Upper

91 100

92 54.4 27.4 82.0

134 24.7 12.6 37.8

