

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX040723\  
 Data File : VX034979.D  
 Acq On : 07 Apr 2023 19:17  
 Operator : JC/MD  
 Sample : 02247-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PK-10I

Quant Time: Apr 08 00:59:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Apr 01 01:50:18 2023  
 Response via : Initial Calibration

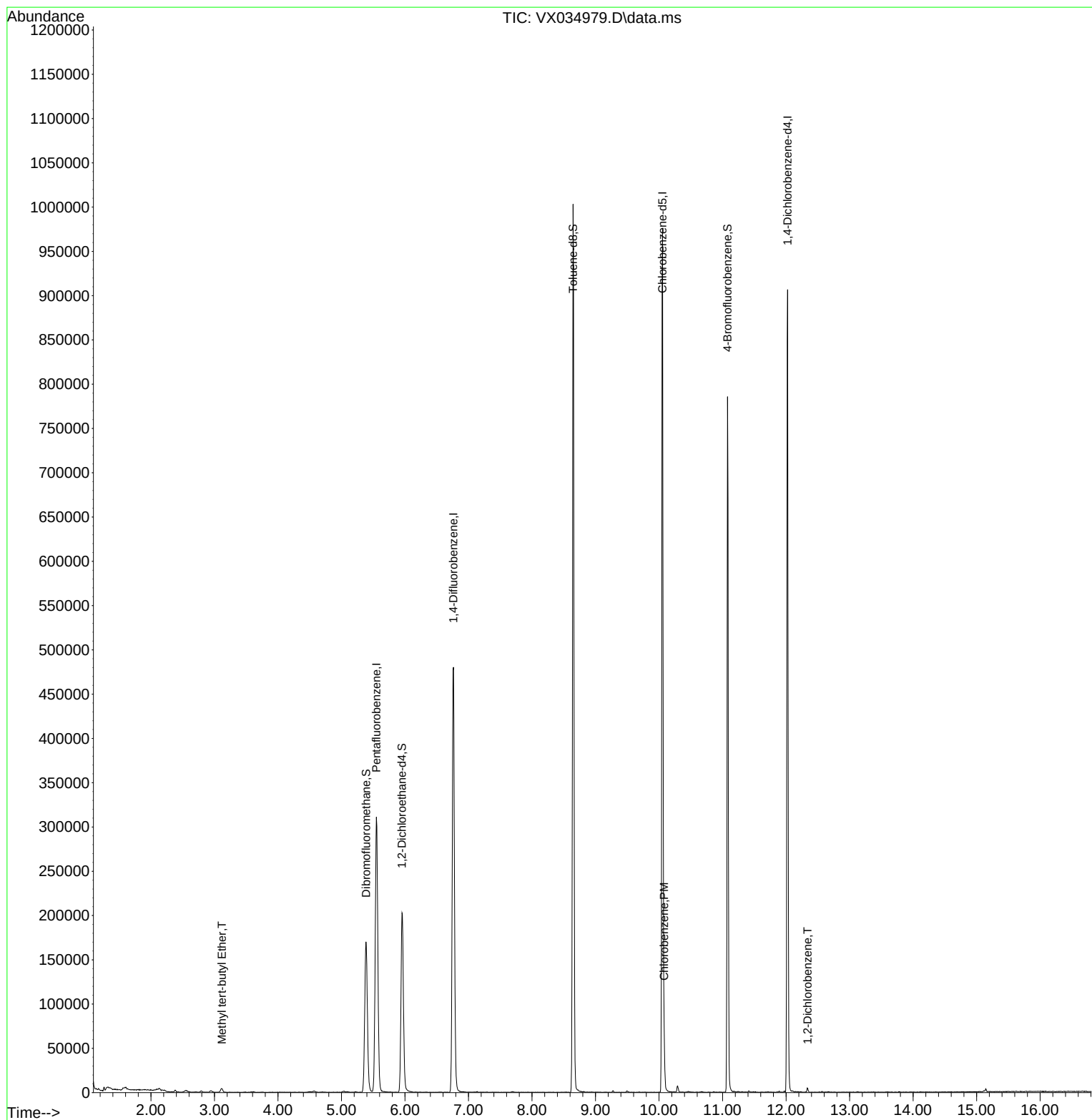
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 280274   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 476906   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 424706   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 185568   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 203488   | 47.473   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 94.940%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 148515   | 47.083   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 94.160%  |
| 50) Toluene-d8              | 8.647  | 98    | 571002   | 49.043   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 98.080%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 212412   | 47.145   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 94.300%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 19) Methyl tert-butyl Ether | 3.117  | 73    | 4240     | 0.398    | ug/l   | 97       |
| 65) Chlorobenzene           | 10.080 | 112   | 22238    | 2.517    | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene     | 12.341 | 146   | 1237     | 0.201    | ug/l   | 86       |
| -----                       |        |       |          |          |        |          |

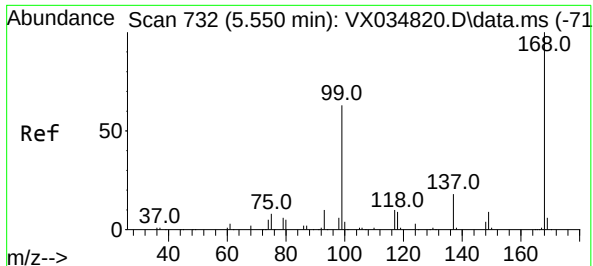
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
PK-10I

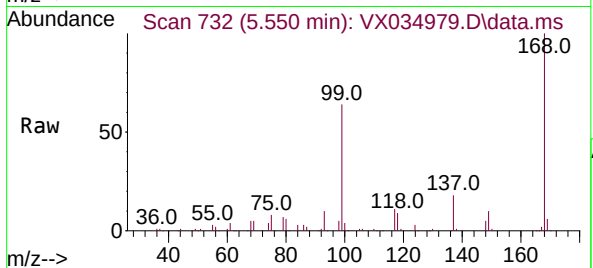
Quant Time: Apr 08 00:59:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X032923W.M  
Quant Title : SW846 8260  
QLast Update : Sat Apr 01 01:50:18 2023  
Response via : Initial Calibration



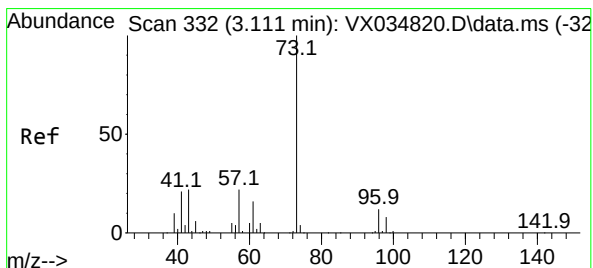
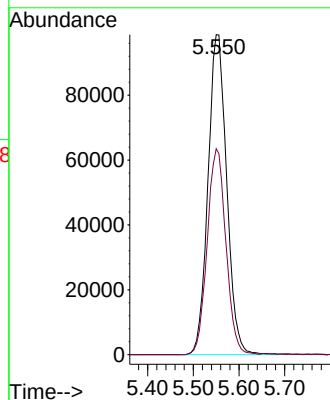
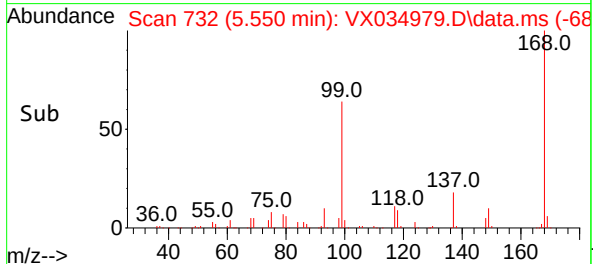


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX034979.D  
Acq: 07 Apr 2023 19:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
PK-10I

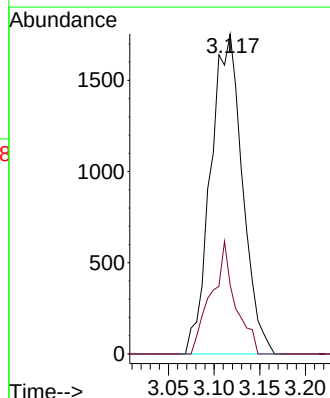
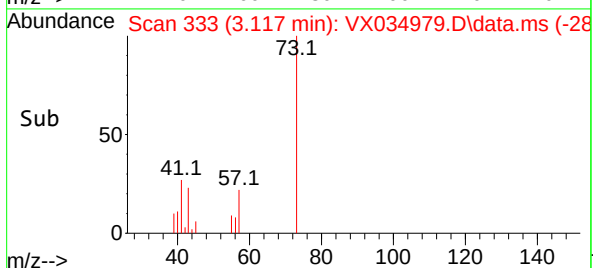
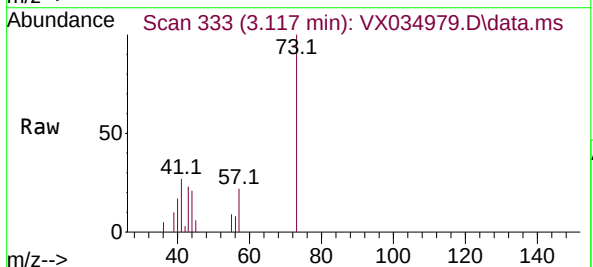


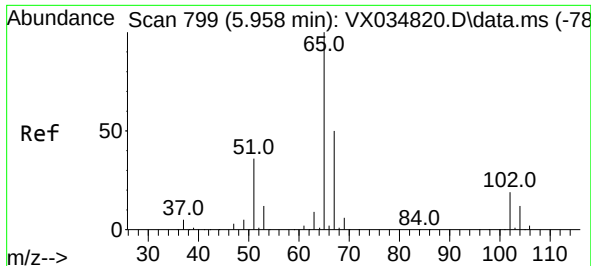
Tgt Ion:168 Resp: 280274  
Ion Ratio Lower Upper  
168 100  
99 64.3 45.7 68.5



#19  
Methyl tert-butyl Ether  
Concen: 0.398 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.006 min  
Lab File: VX034979.D  
Acq: 07 Apr 2023 19:17

Tgt Ion: 73 Resp: 4240  
Ion Ratio Lower Upper  
73 100  
57 21.6 18.5 27.7





#33

1,2-Dichloroethane-d4

Concen: 47.473 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX034979.D

Acq: 07 Apr 2023 19:17

Instrument :

MSVOA\_X

ClientSampleId :

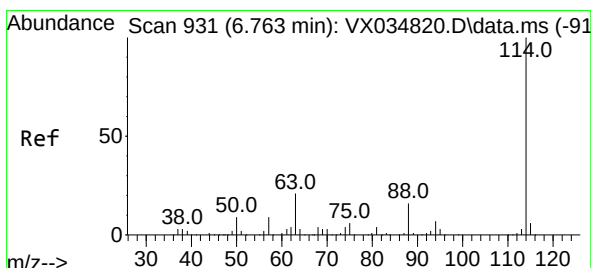
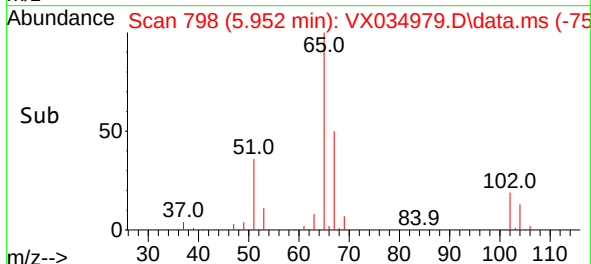
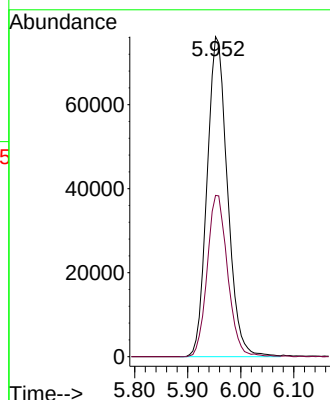
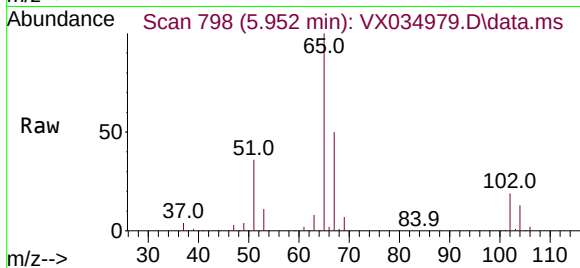
PK-10I

Tgt Ion: 65 Resp: 203488

Ion Ratio Lower Upper

65 100

67 50.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX034979.D

Acq: 07 Apr 2023 19:17

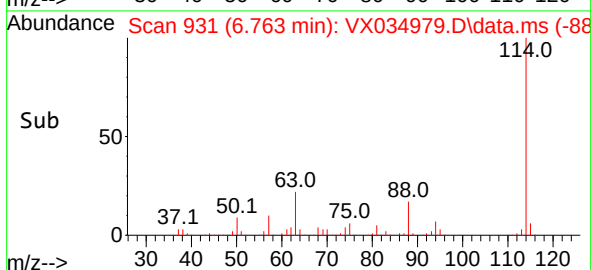
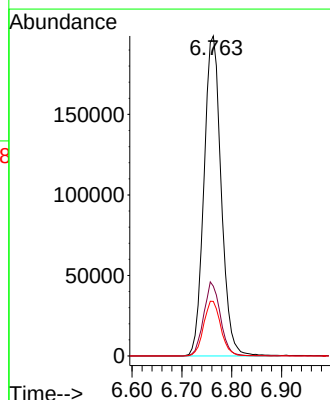
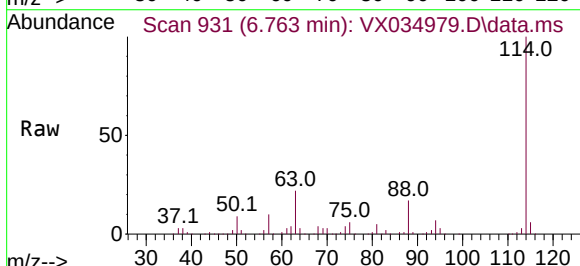
Tgt Ion: 114 Resp: 476906

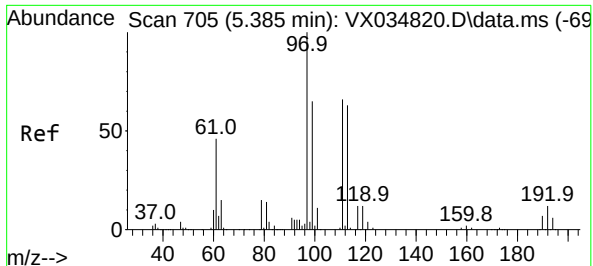
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.2

88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.083 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034979.D

Acq: 07 Apr 2023 19:17

Instrument :

MSVOA\_X

ClientSampleId :

PK-10I

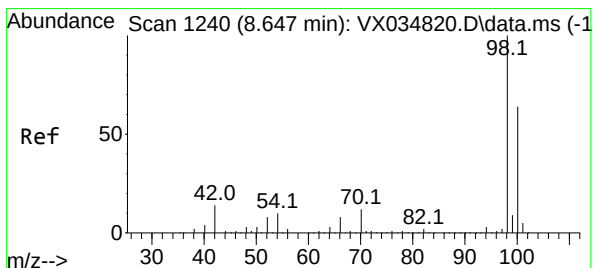
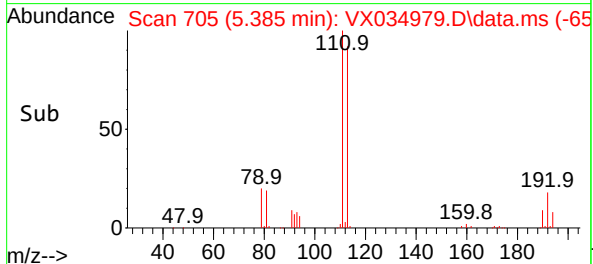
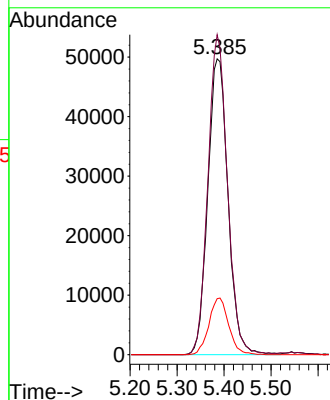
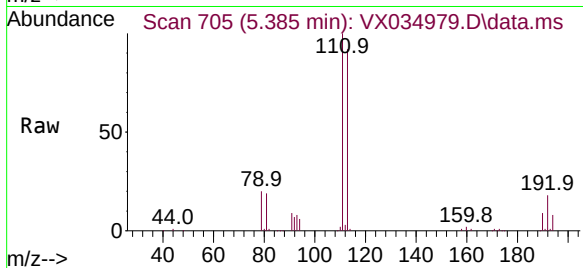
Tgt Ion:113 Resp: 148515

Ion Ratio Lower Upper

113 100

111 104.6 83.7 125.5

192 18.7 15.4 23.2



#50

Toluene-d8

Concen: 49.043 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX034979.D

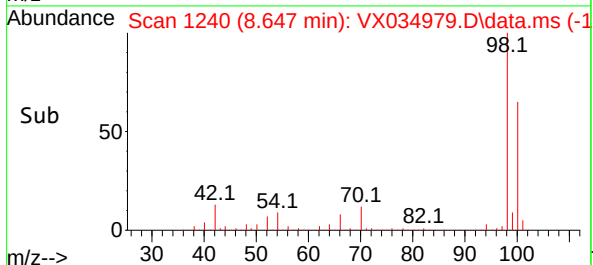
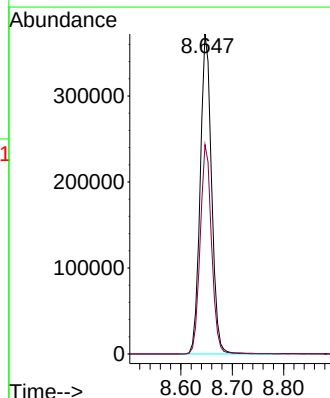
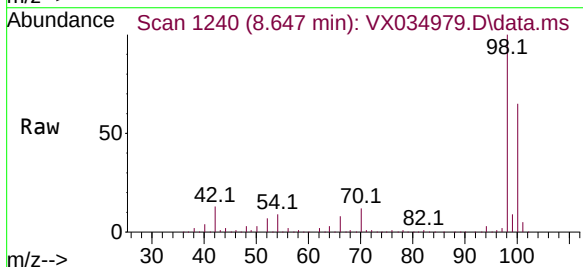
Acq: 07 Apr 2023 19:17

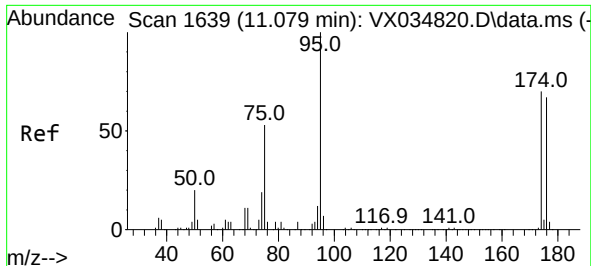
Tgt Ion: 98 Resp: 571002

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7

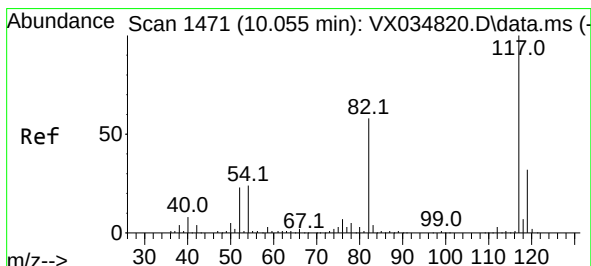
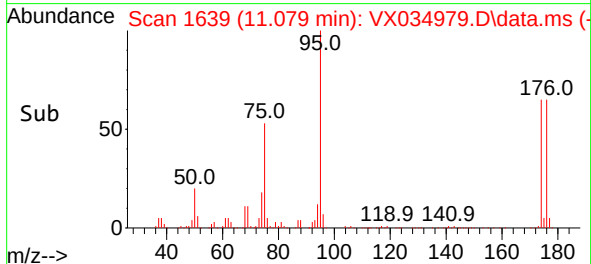
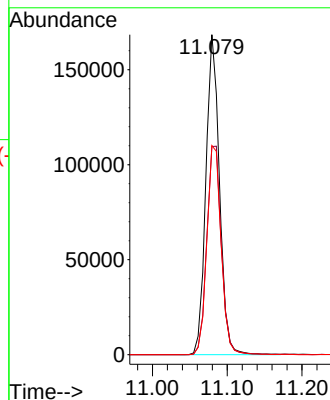
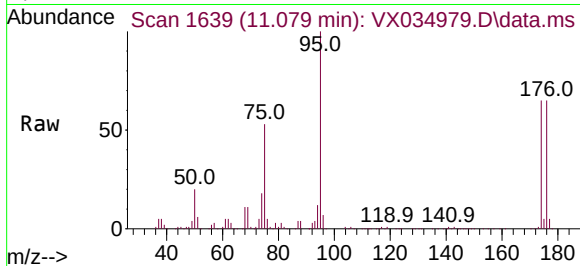




#62  
4-Bromofluorobenzene  
Concen: 47.145 ug/l  
RT: 11.079 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX034979.D  
Acq: 07 Apr 2023 19:17

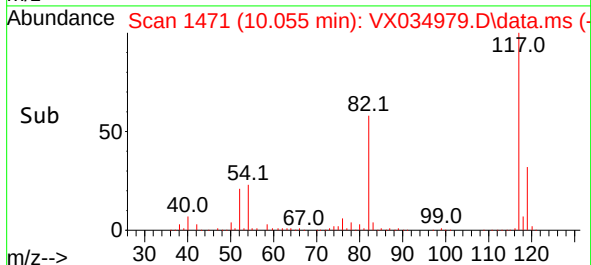
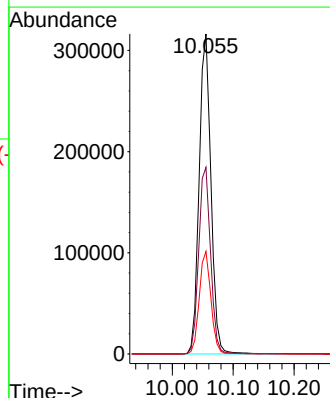
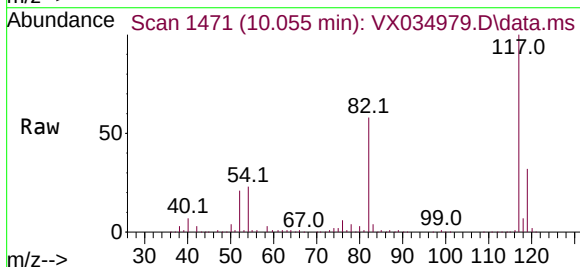
Instrument :  
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ClientSampleId :  
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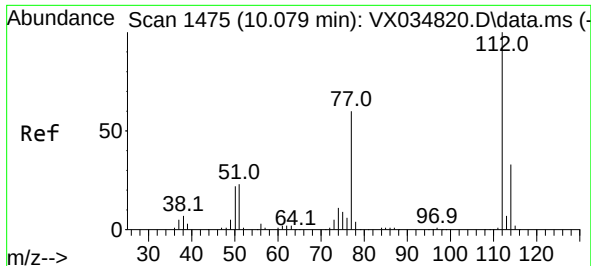
Tgt Ion: 95 Resp: 212412  
Ion Ratio Lower Upper  
95 100  
174 70.0 0.0 147.4  
176 68.8 0.0 140.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX034979.D  
Acq: 07 Apr 2023 19:17

Tgt Ion: 117 Resp: 424706  
Ion Ratio Lower Upper  
117 100  
82 58.3 45.0 67.4  
119 32.0 26.0 39.0

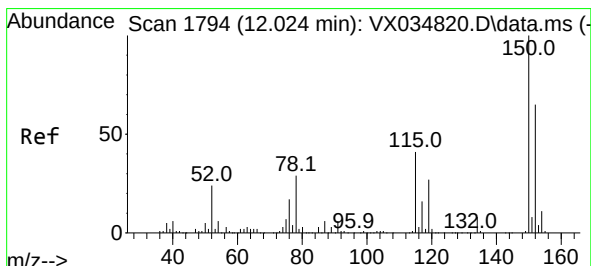
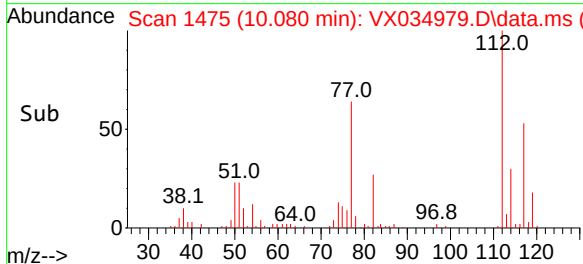
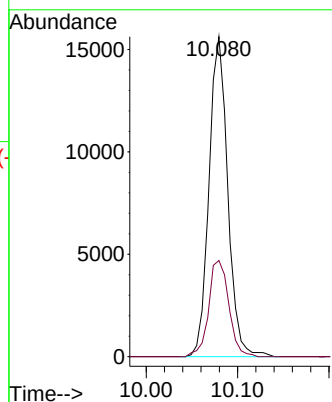
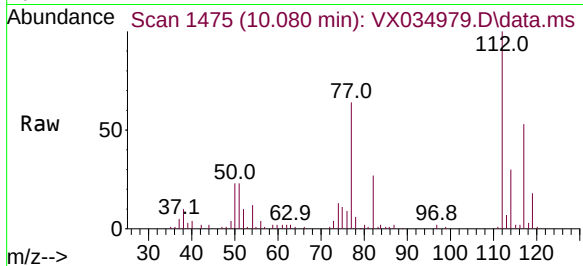




#65  
Chlorobenzene  
Concen: 2.517 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX034979.D  
Acq: 07 Apr 2023 19:17

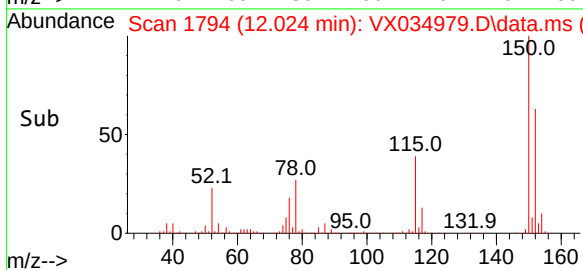
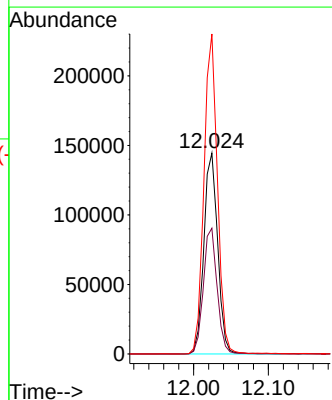
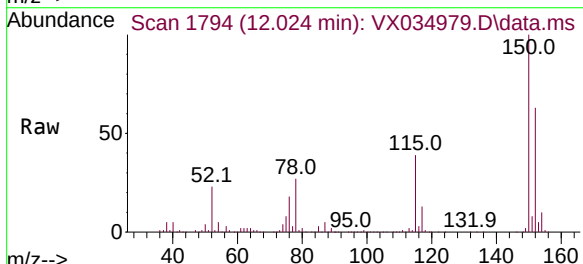
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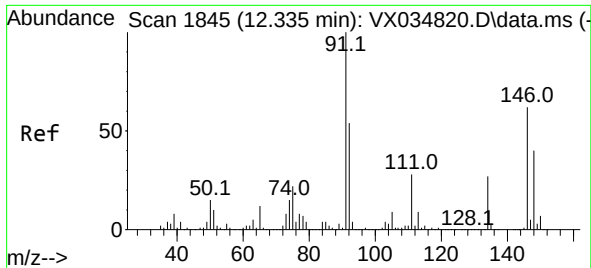
Tgt Ion:112 Resp: 22238  
Ion Ratio Lower Upper  
112 100  
114 30.1 26.2 39.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX034979.D  
Acq: 07 Apr 2023 19:17

Tgt Ion:152 Resp: 185568  
Ion Ratio Lower Upper  
152 100  
115 62.4 45.0 135.0  
150 155.3 0.0 352.4





#91  
 1,2-Dichlorobenzene  
 Concen: 0.201 ug/l  
 RT: 12.341 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX034979.D  
 Acq: 07 Apr 2023 19:17

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PK-10I

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:146 | Resp: | 1237        |
| Ion         | Ratio | Lower Upper |
| 146         | 100   |             |
| 111         | 60.3  | 22.0 66.0   |
| 148         | 68.6  | 32.0 96.0   |

