

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100522\  
 Data File : VX031906.D  
 Acq On : 05 Oct 2022 19:35  
 Operator : JC/MD  
 Sample : N4983-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW5-GW-778-780

Quant Time: Oct 06 06:49:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100522W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 05 12:20:53 2022  
 Response via : Initial Calibration

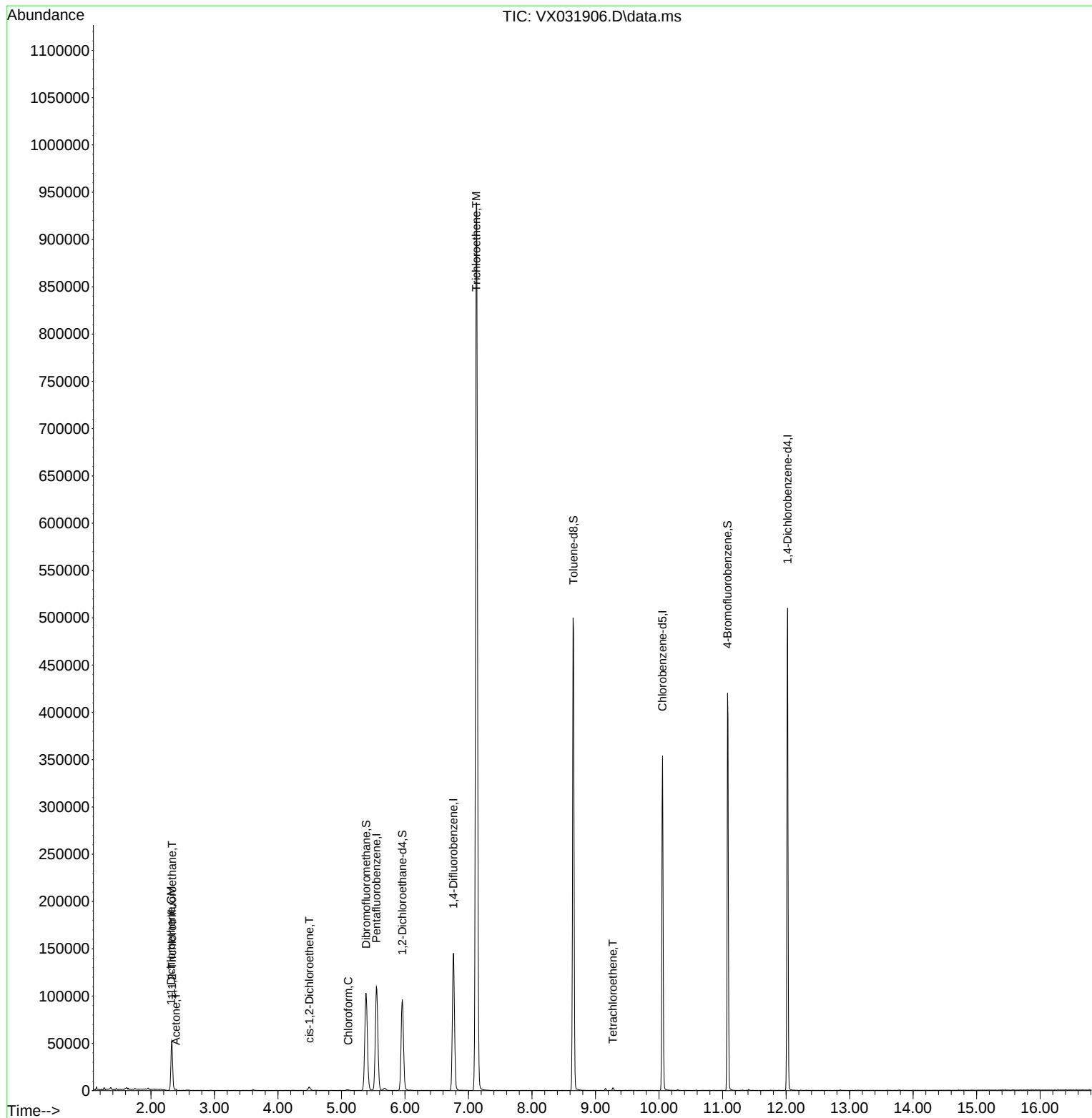
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 114530   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.763  | 114   | 165984   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 178094   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 116213   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.958  | 65    | 90145    | 52.257   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 104.520% |          |
| 35) Dibromofluoromethane     | 5.385  | 113   | 89082    | 49.053   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 98.100%  |          |
| 50) Toluene-d8               | 8.653  | 98    | 323739   | 50.327   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 100.660% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 111703   | 48.275   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | = 96.540%  |          |
| Target Compounds             |        |       |          |          |            |          |
|                              |        |       |          |          | Qvalue     |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 16833    | 11.077   | ug/l #     | 83       |
| 12) 1,1-Dichloroethene       | 2.319  | 96    | 4528     | 3.146    | ug/l #     | 74       |
| 16) Acetone                  | 2.392  | 43    | 1558     | 3.118    | ug/l       | 94       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 2516     | 1.333    | ug/l       | 73       |
| 30) Chloroform               | 5.105  | 83    | 1101     | 0.375    | ug/l #     | 79       |
| 44) Trichloroethene          | 7.123  | 130   | 408086   | 189.173  | ug/l       | 83       |
| 64) Tetrachloroethene        | 9.275  | 164   | 544      | 0.248    | ug/l #     | 78       |
| -----                        |        |       |          |          |            |          |

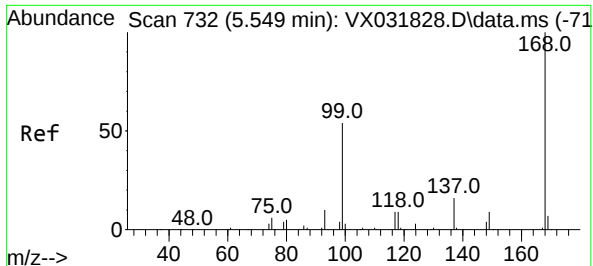
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BP-VPB-RW5-GW-778-780

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X100522W.M  
Quant Title : SW846 8260  
QLast Update : Wed Oct 05 12:20:53 2022  
Response via : Initial Calibration

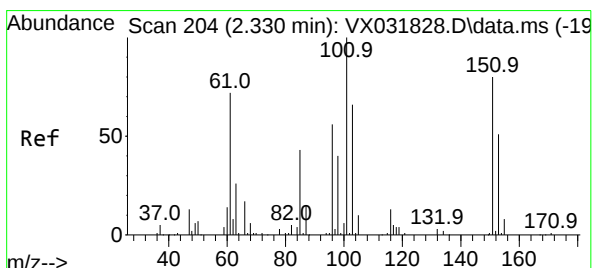
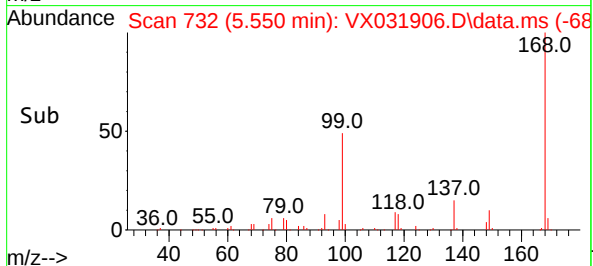
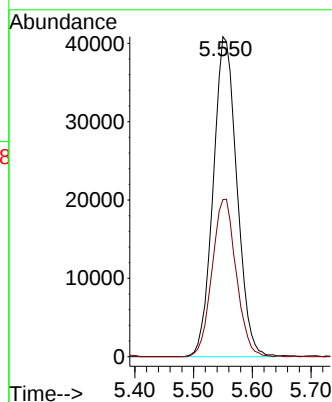
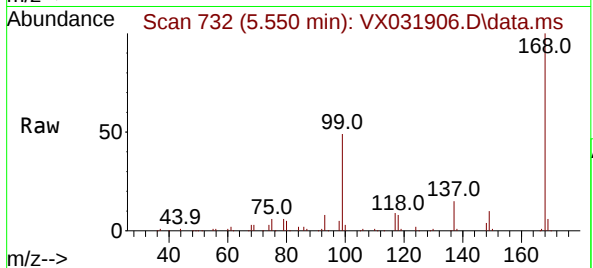




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX031906.D  
Acq: 05 Oct 2022 19:35

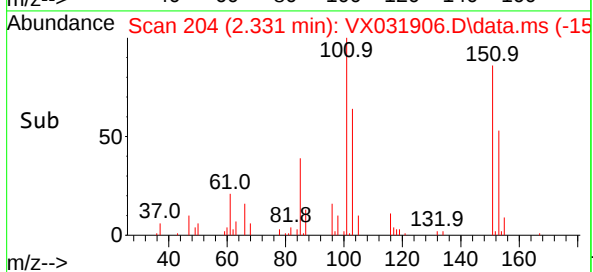
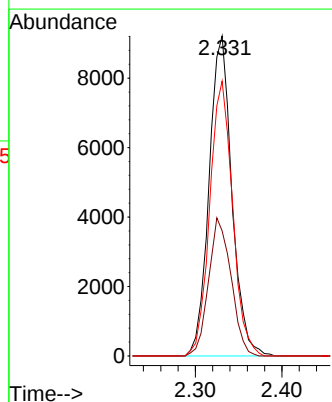
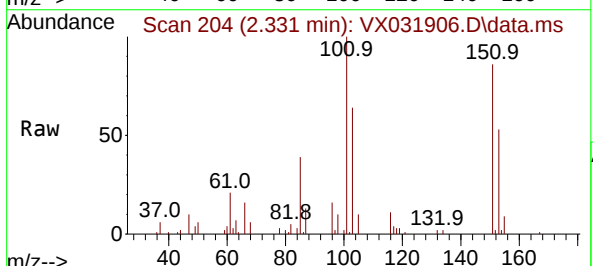
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-778-780

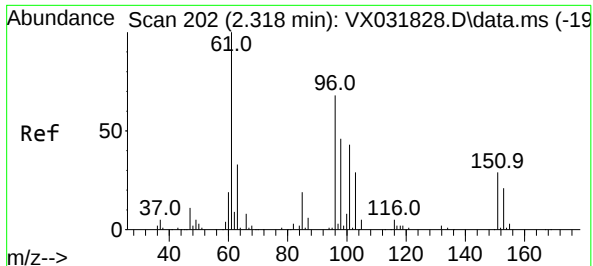
Tgt Ion:168 Resp: 114530  
Ion Ratio Lower Upper  
168 100  
99 49.1 48.8 73.2



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 11.077 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.006 min  
Lab File: VX031906.D  
Acq: 05 Oct 2022 19:35

Tgt Ion:101 Resp: 16833  
Ion Ratio Lower Upper  
101 100  
85 42.6 38.6 57.8  
151 86.1 54.0 81.0#





#12

1,1-Dichloroethene

Concen: 3.146 ug/l

RT: 2.319 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW5-GW-778-780

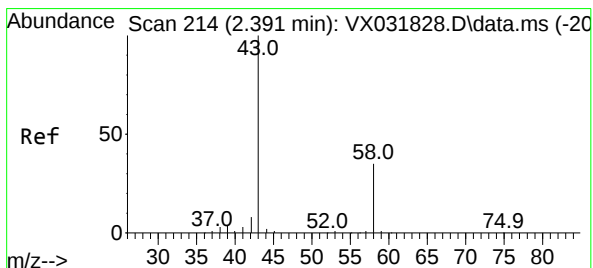
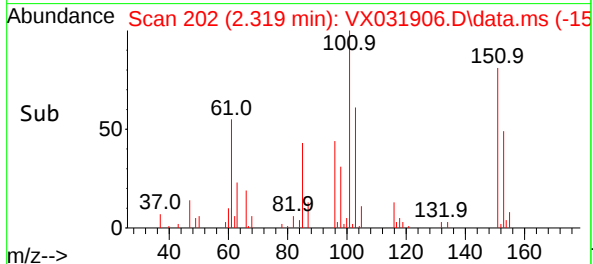
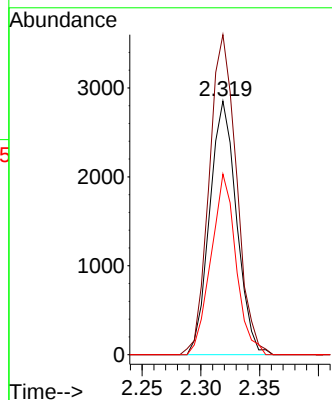
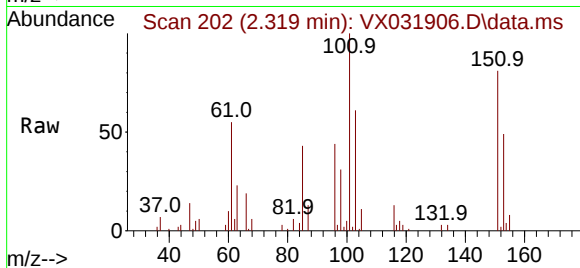
Tgt Ion: 96 Resp: 4528

Ion Ratio Lower Upper

96 100

61 126.2 135.3 202.9#

98 71.2 49.4 74.2



#16

Acetone

Concen: 3.118 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX031906.D

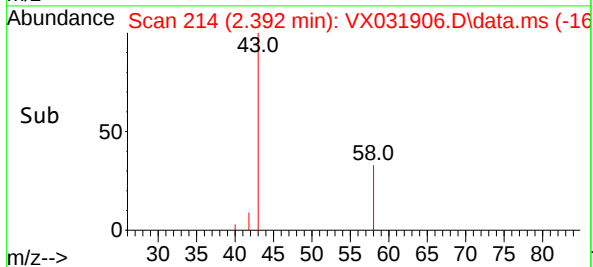
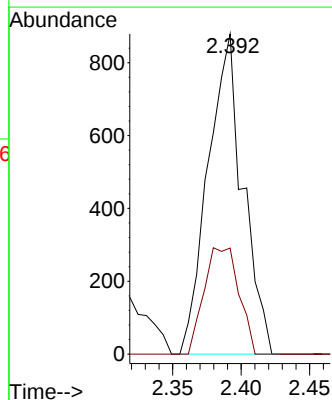
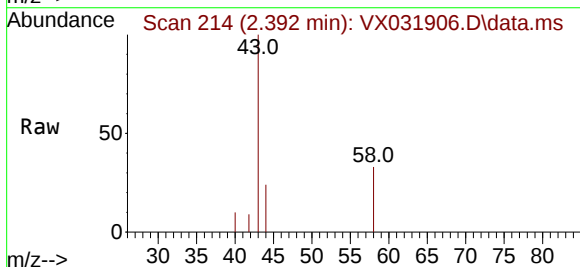
Acq: 05 Oct 2022 19:35

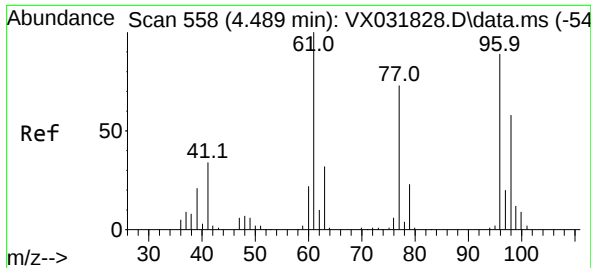
Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

58 33.1 23.8 35.8





#27

cis-1,2-Dichloroethene

Concen: 1.333 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW5-GW-778-780

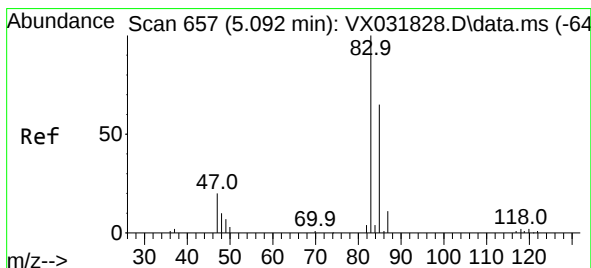
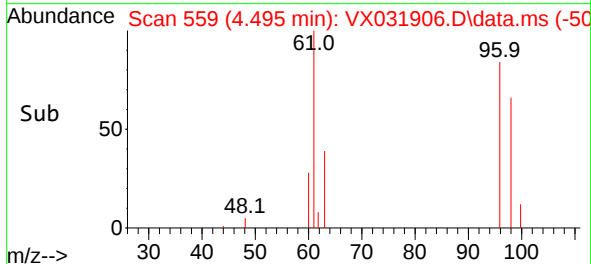
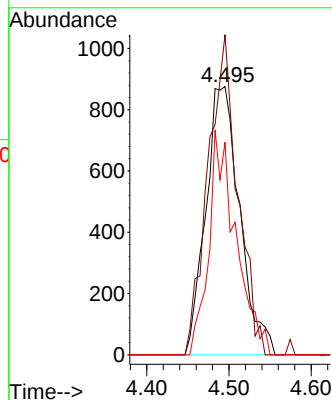
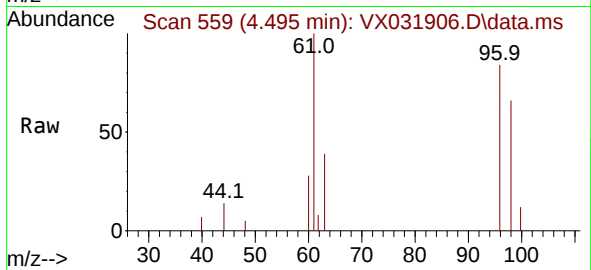
Tgt Ion: 96 Resp: 2516

Ion Ratio Lower Upper

96 100

61 104.4 0.0 305.2

98 66.8 0.0 128.4



#30

Chloroform

Concen: 0.375 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.013 min

Lab File: VX031906.D

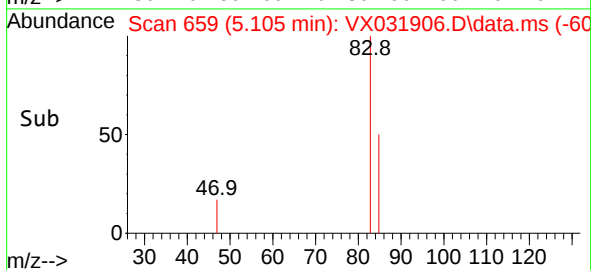
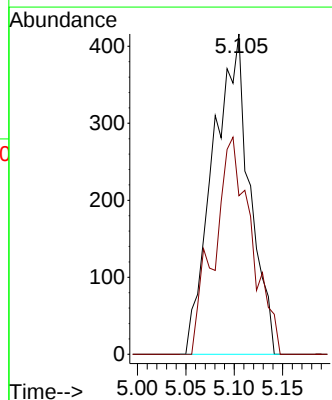
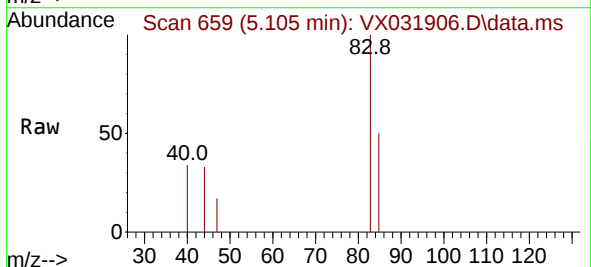
Acq: 05 Oct 2022 19:35

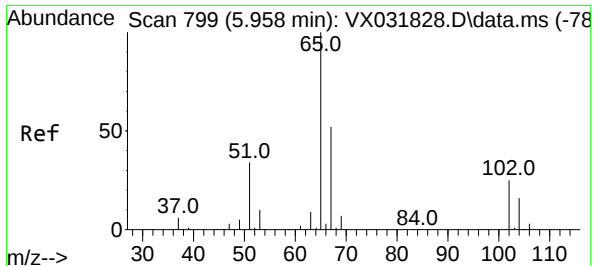
Tgt Ion: 83 Resp: 1101

Ion Ratio Lower Upper

83 100

85 49.5 52.8 79.2#





#33

1,2-Dichloroethane-d4

Concen: 52.257 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

Instrument :

MSVOA\_X

ClientSampleId :

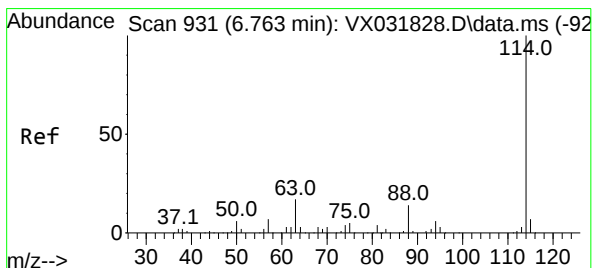
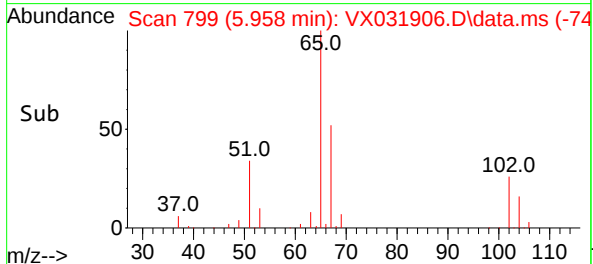
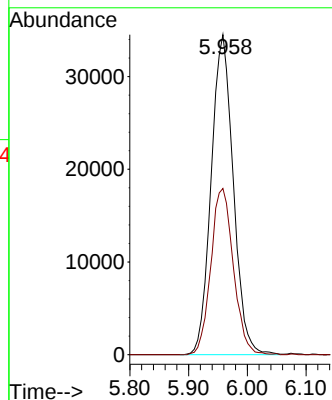
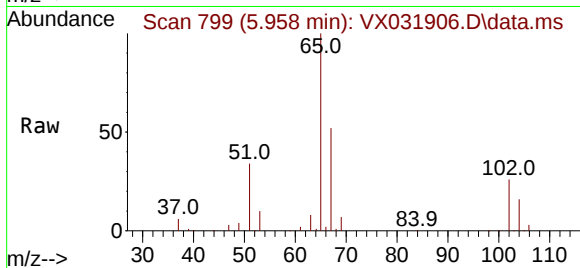
BP-VPB-RW5-GW-778-780

Tgt Ion: 65 Resp: 90145

Ion Ratio Lower Upper

65 100

67 52.9 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

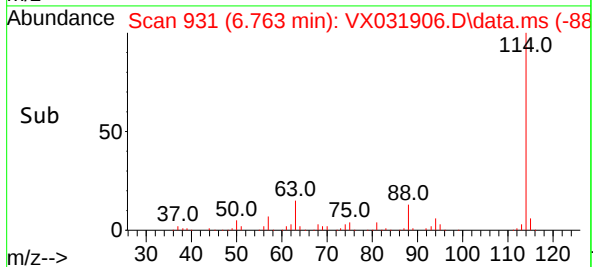
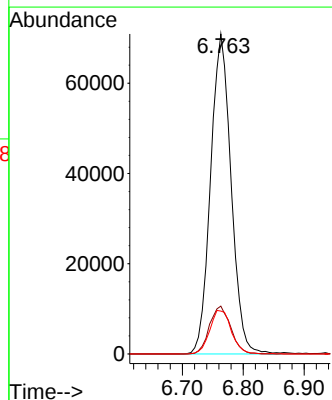
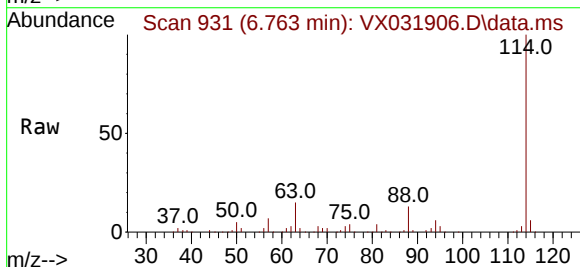
Tgt Ion: 114 Resp: 165984

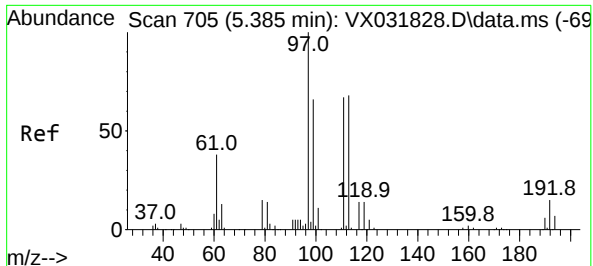
Ion Ratio Lower Upper

114 100

63 14.9 0.0 42.6

88 13.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.053 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031906.D

Acq: 05 Oct 2022 19:35

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW5-GW-778-780

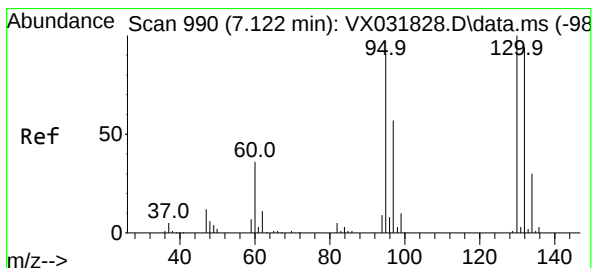
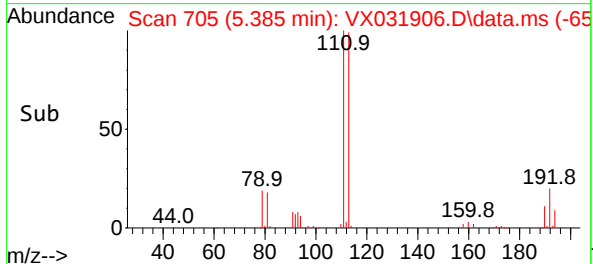
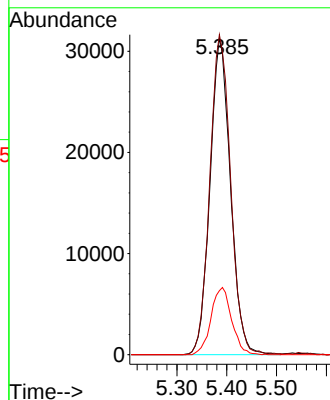
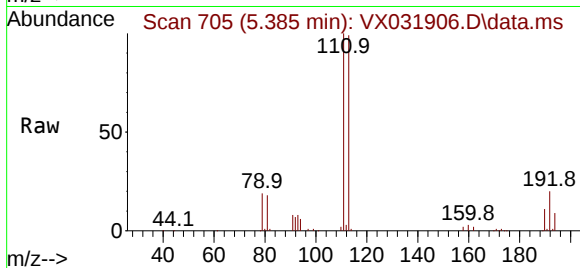
Tgt Ion:113 Resp: 89082

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

192 21.4 14.1 21.1#



#44

Trichloroethene

Concen: 189.173 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.006 min

Lab File: VX031906.D

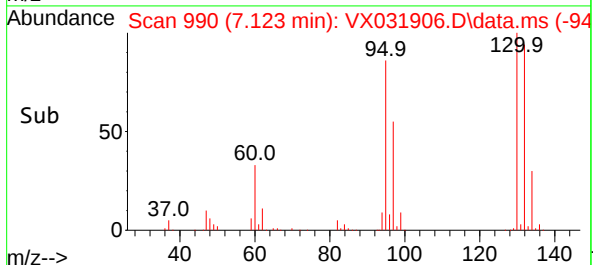
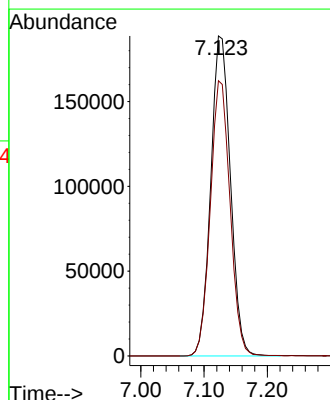
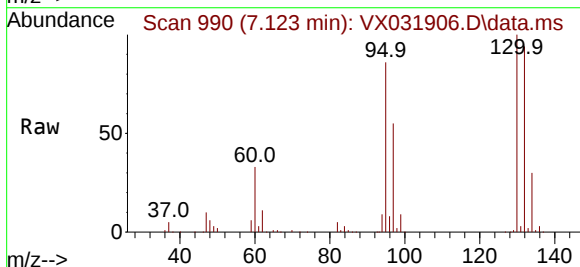
Acq: 05 Oct 2022 19:35

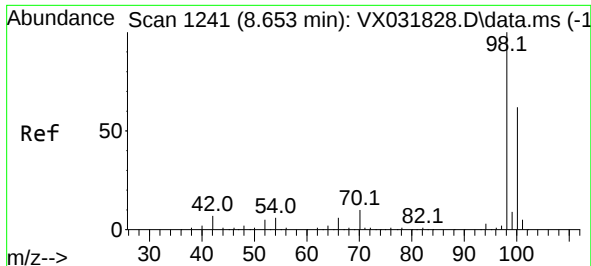
Tgt Ion:130 Resp: 408086

Ion Ratio Lower Upper

130 100

95 86.0 0.0 206.8

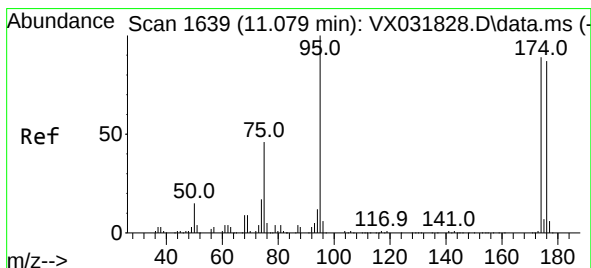
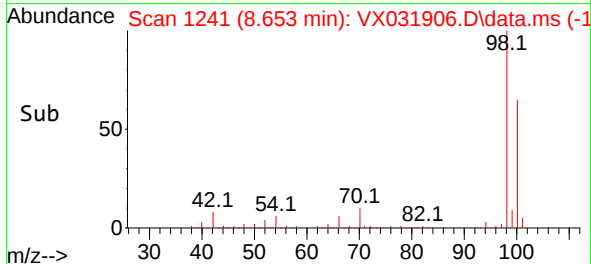
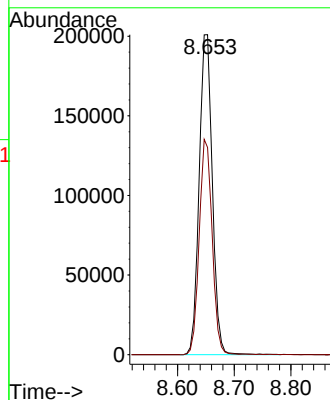
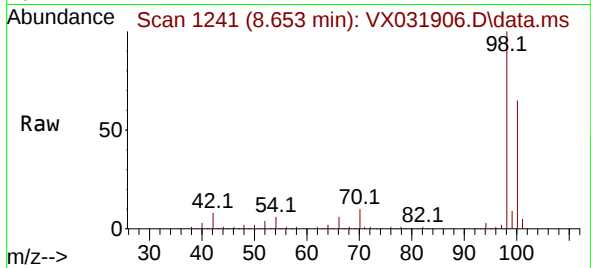




#50  
Toluene-d8  
Concen: 50.327 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX031906.D  
Acq: 05 Oct 2022 19:35

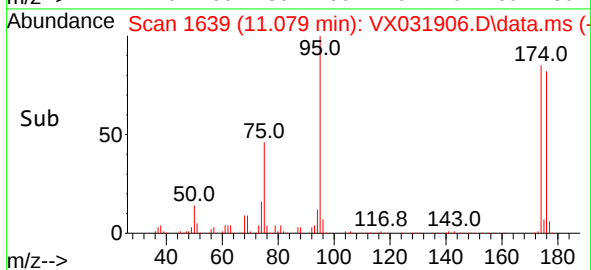
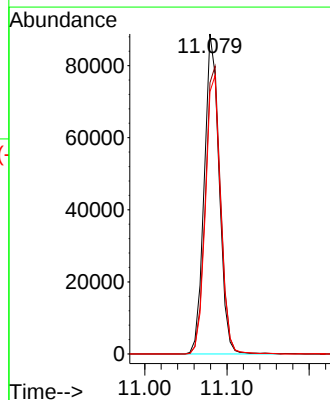
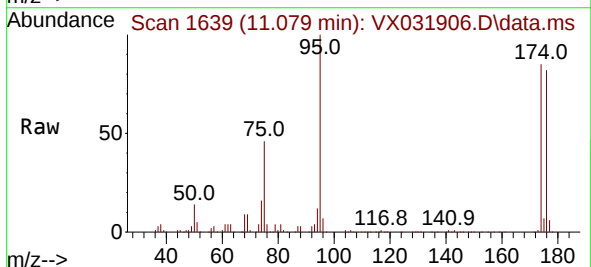
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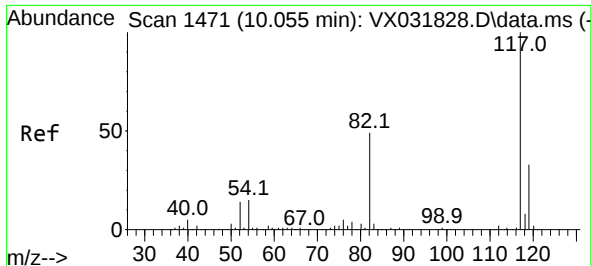
Tgt Ion: 98 Resp: 323739  
Ion Ratio Lower Upper  
98 100  
100 66.3 52.5 78.7



#62  
4-Bromofluorobenzene  
Concen: 48.275 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031906.D  
Acq: 05 Oct 2022 19:35

Tgt Ion: 95 Resp: 111703  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 153.2  
176 88.9 0.0 144.0

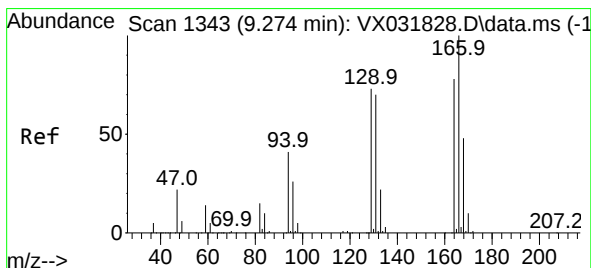
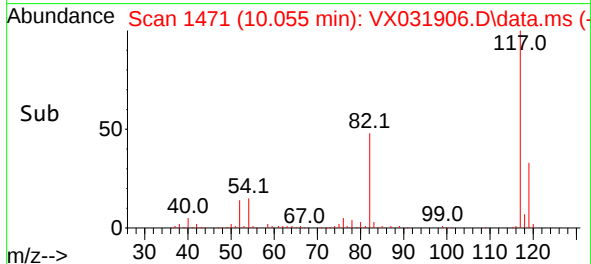
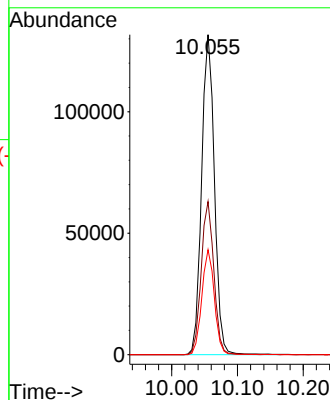
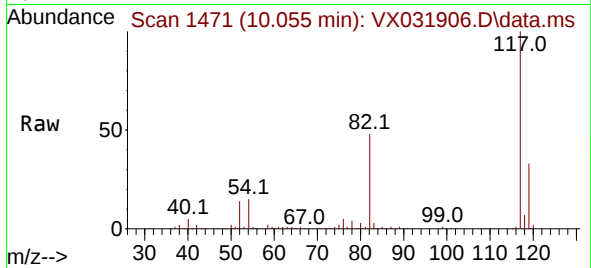




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031906.D  
Acq: 05 Oct 2022 19:35

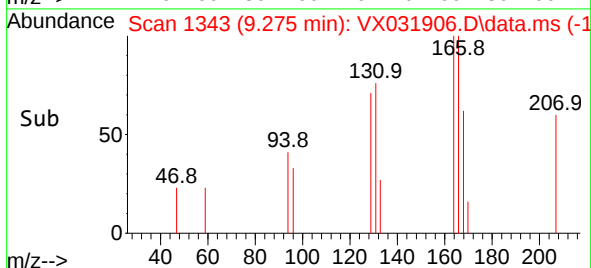
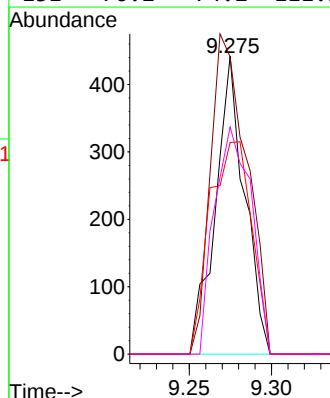
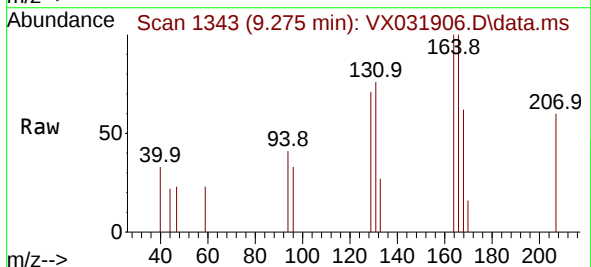
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-778-780

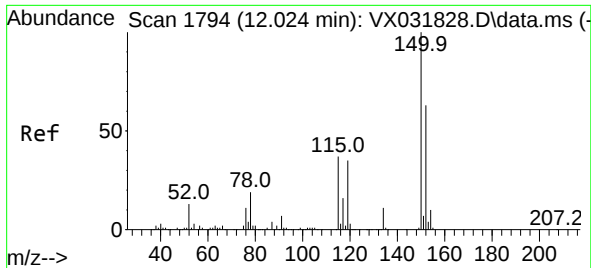
Tgt Ion:117 Resp: 178094  
Ion Ratio Lower Upper  
117 100  
82 47.9 46.8 70.2  
119 32.8 26.4 39.6



#64  
Tetrachloroethene  
Concen: 0.248 ug/l  
RT: 9.275 min Scan# 1343  
Delta R.T. -0.000 min  
Lab File: VX031906.D  
Acq: 05 Oct 2022 19:35

Tgt Ion:164 Resp: 544  
Ion Ratio Lower Upper  
164 100  
166 99.8 99.0 148.4  
129 71.0 78.0 117.0#  
131 76.2 74.2 111.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031906.D

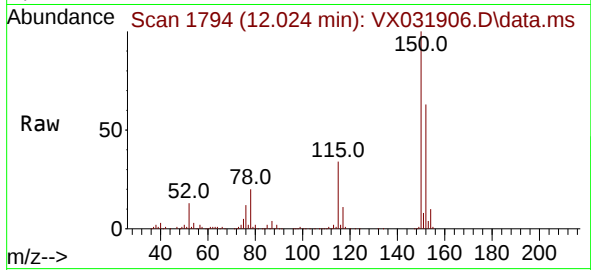
Acq: 05 Oct 2022 19:35

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW5-GW-778-780



Tgt Ion:152 Resp: 116213

Ion Ratio Lower Upper

152 100

115 54.9 43.4 130.1

150 158.7 0.0 346.8

