

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091522\  
 Data File : VX031389.D  
 Acq On : 16 Sep 2022 06:12  
 Operator : JC/MD  
 Sample : N4626-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB-RW5-GW-408-410

Quant Time: Sep 16 08:48:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091422W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 15 01:50:07 2022  
 Response via : Initial Calibration

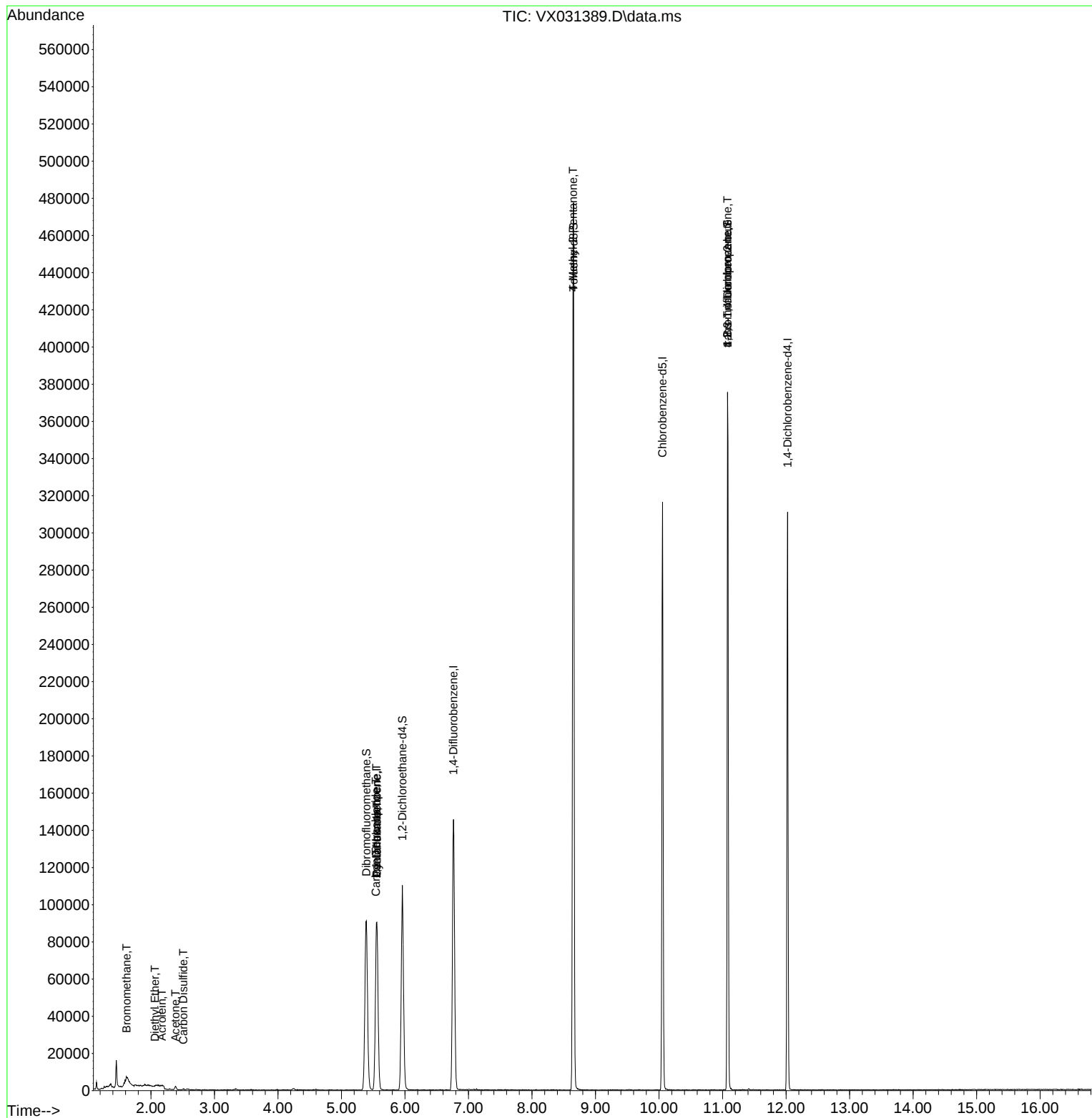
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 5.556  | 168   | 88388    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 6.763  | 114   | 147378   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 10.055 | 117   | 134052   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 12.024 | 152   | 59234    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 5.958  | 65    | 92092    | 42.448    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 74 - 125 | Recovery  | =      | 84.900%  |
| 35) Dibromofluoromethane      | 5.391  | 113   | 75332    | 47.552    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 75 - 124 | Recovery  | =      | 95.100%  |
| 50) Toluene-d8                | 8.653  | 98    | 281033   | 47.291    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 86 - 113 | Recovery  | =      | 94.580%  |
| 62) 4-Bromofluorobenzene      | 11.079 | 95    | 86333    | 39.673    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 83 - 123 | Recovery  | =      | 79.340%# |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 1.288  | 50    | 199      | Below Cal | #      | 41       |
| 5) Bromomethane               | 1.618  | 94    | 442      | 0.382     | ug/l # | 75       |
| 8) Diethyl Ether              | 2.063  | 74    | 25       | 0.548     | ug/l # | 1        |
| 11) Tert butyl alcohol        | 2.941  | 59    | 49       | Below Cal | #      | 73       |
| 13) Acrolein                  | 2.172  | 56    | 106      | 0.423     | ug/l # | 1        |
| 16) Acetone                   | 2.386  | 43    | 2122     | 2.291     | ug/l   | 96       |
| 17) Carbon Disulfide          | 2.508  | 76    | 644      | 1.094     | ug/l # | 75       |
| 21) trans-1,2-Dichloroethene  | 3.166  | 96    | 22       | Below Cal | #      | 1        |
| 31) Cyclohexane               | 5.556  | 56    | 2243     | 0.962     | ug/l # | 41       |
| 36) 1,1-Dichloropropene       | 5.550  | 75    | 6955     | 3.207     | ug/l # | 46       |
| 38) Carbon Tetrachloride      | 5.544  | 117   | 8859     | 3.759     | ug/l # | 15       |
| 51) 4-Methyl-2-Pentanone      | 8.647  | 43    | 1461     | 0.494     | ug/l # | 1        |
| 76) 1,2,3-Trichloropropane    | 11.079 | 75    | 49421    | 33.108    | ug/l # | 36       |
| 81) trans-1,4-Dichloro-2-b... | 11.079 | 75    | 49421    | 91.612    | ug/l # | 11       |
| -----                         |        |       |          |           |        |          |

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

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BP-VPB-RW5-GW-408-410

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QLast Update : Thu Sep 15 01:50:07 2022  
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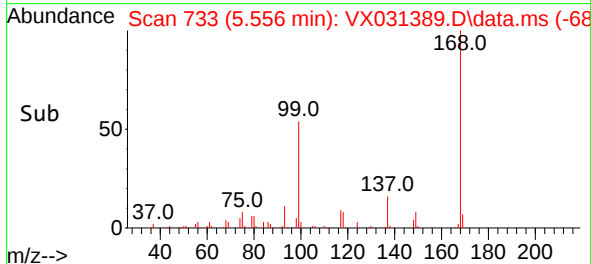
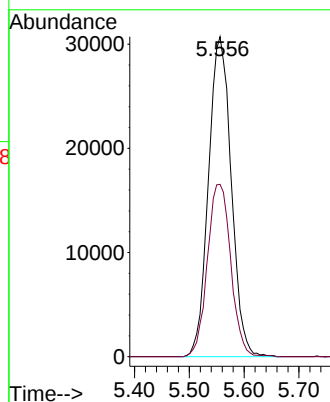
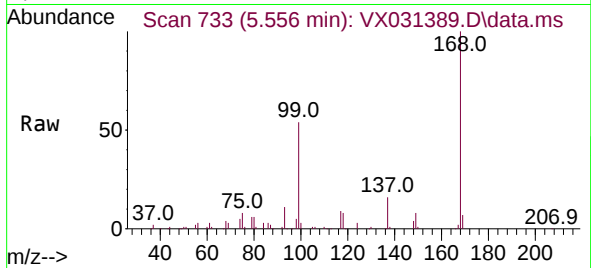




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

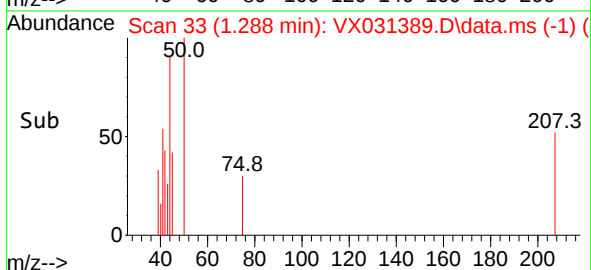
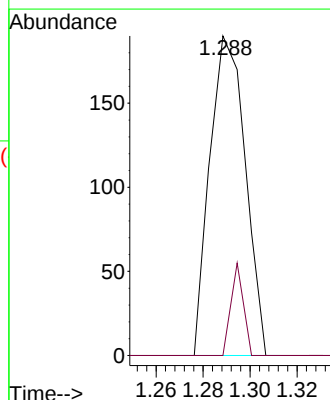
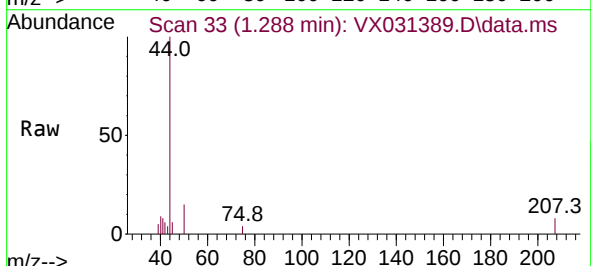
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-408-410

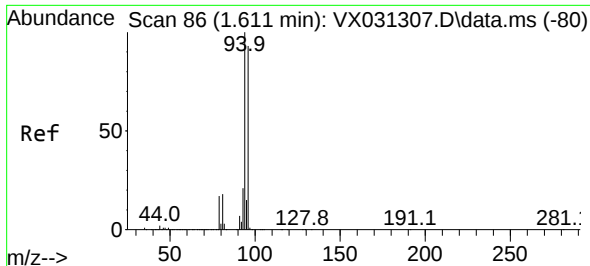
Tgt Ion:168 Resp: 88388  
Ion Ratio Lower Upper  
168 100  
99 53.8 48.8 73.2



#3  
Chloromethane  
Concen: Below Cal  
RT: 1.288 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

Tgt Ion: 50 Resp: 199  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.9 40.3#

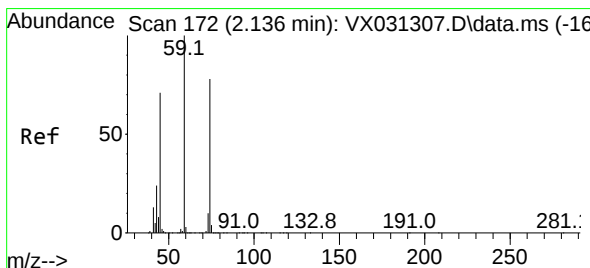
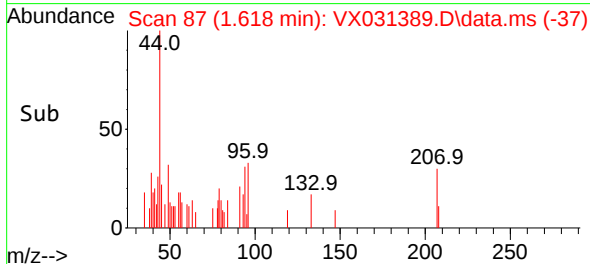
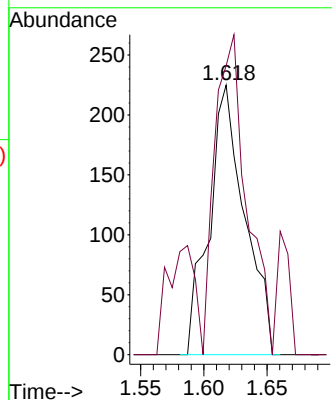
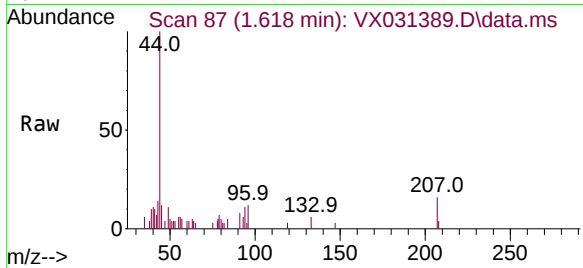




#5  
Bromomethane  
Concen: 0.382 ug/l  
RT: 1.618 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

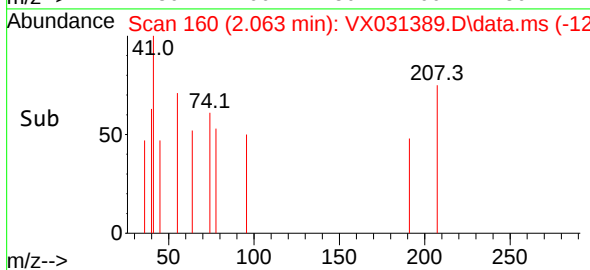
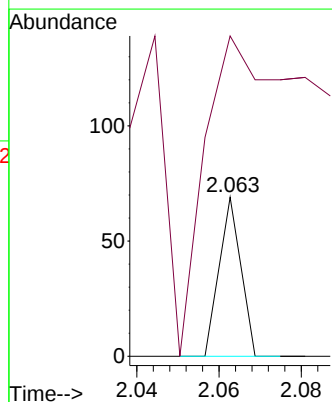
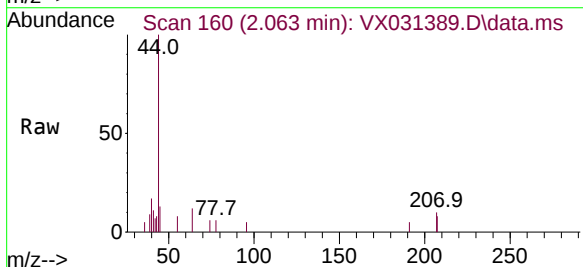
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-408-410

Tgt Ion: 94 Resp: 442  
Ion Ratio Lower Upper  
94 100  
96 68.9 74.4 111.6#



#8  
Diethyl Ether  
Concen: 0.548 ug/l  
RT: 2.063 min Scan# 160  
Delta R.T. -0.073 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

Tgt Ion: 74 Resp: 25  
Ion Ratio Lower Upper  
74 100  
45 692.0 48.5 145.6#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 304

Delta R.T. -0.048 min

Lab File: VX031389.D

Acq: 16 Sep 2022 06:12

Instrument :

MSVOA\_X

ClientSampleId :

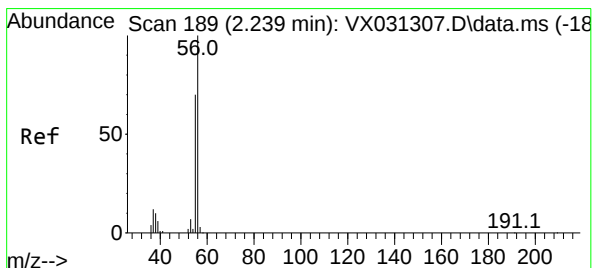
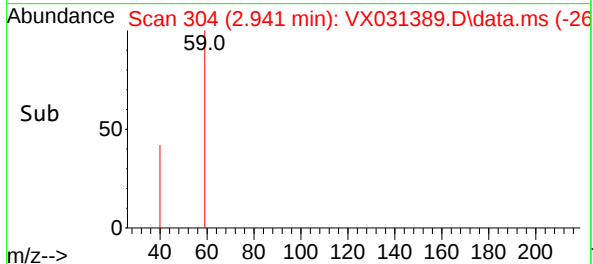
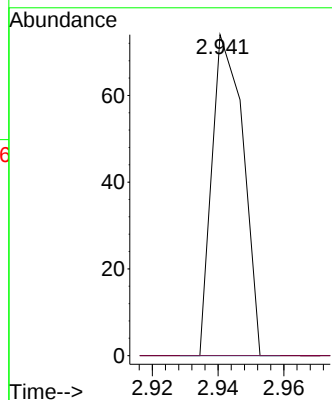
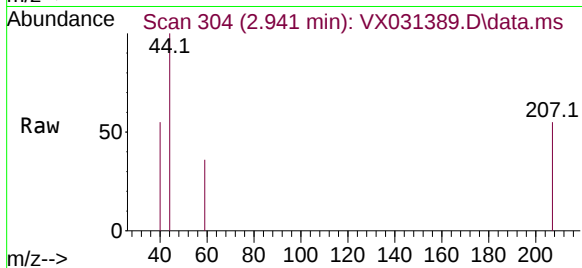
BP-VPB-RW5-GW-408-410

Tgt Ion: 59 Resp: 49

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: 0.423 ug/l

RT: 2.172 min Scan# 178

Delta R.T. -0.067 min

Lab File: VX031389.D

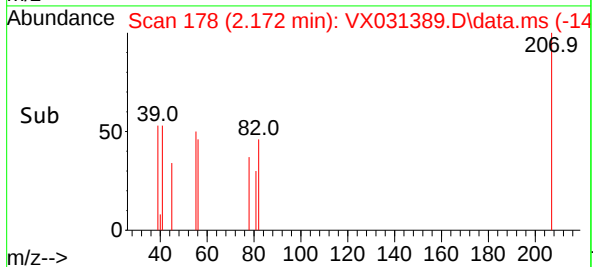
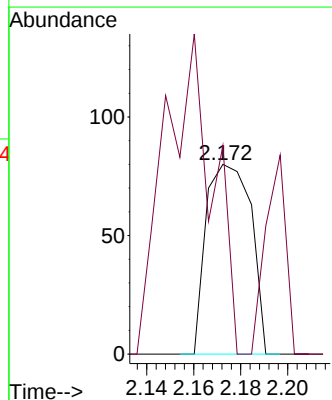
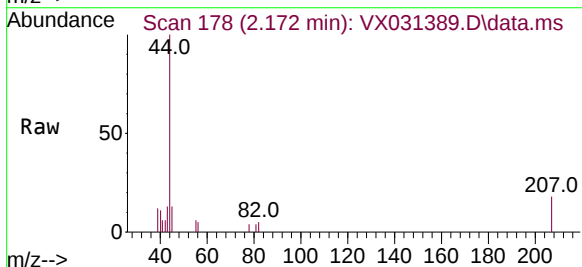
Acq: 16 Sep 2022 06:12

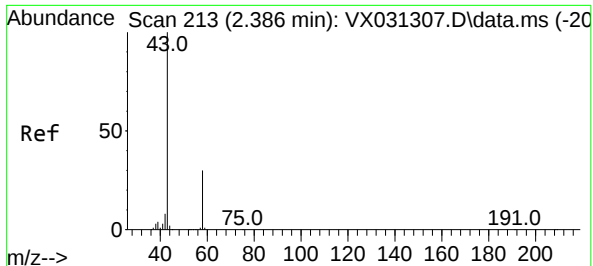
Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 180.2 56.0 84.0#

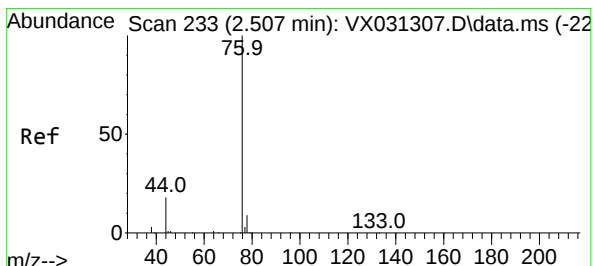
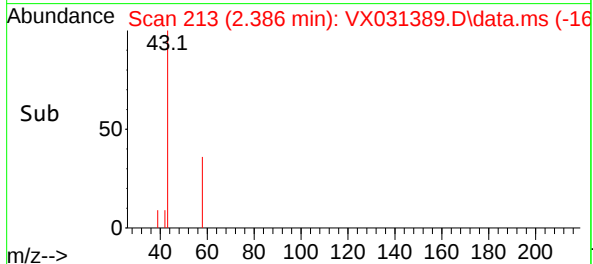
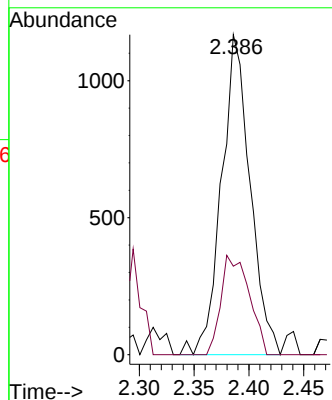
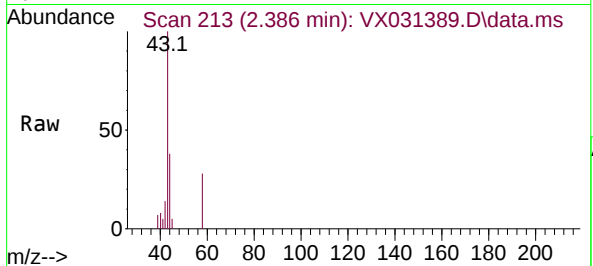




#16  
Acetone  
Concen: 2.291 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.000 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

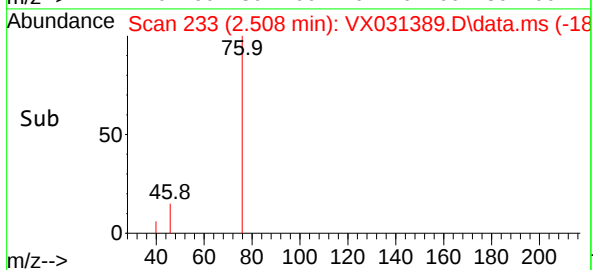
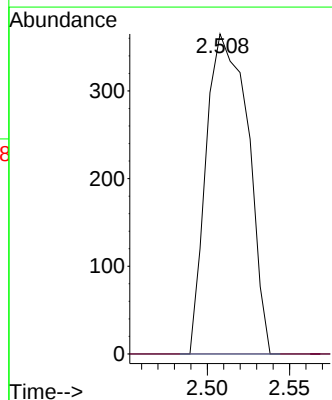
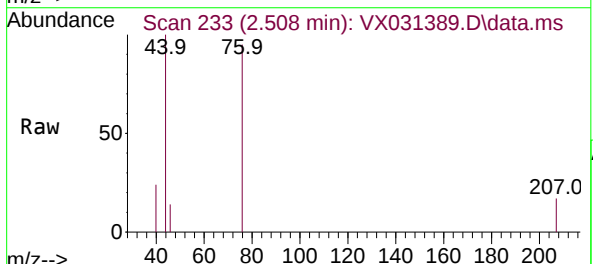
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-408-410

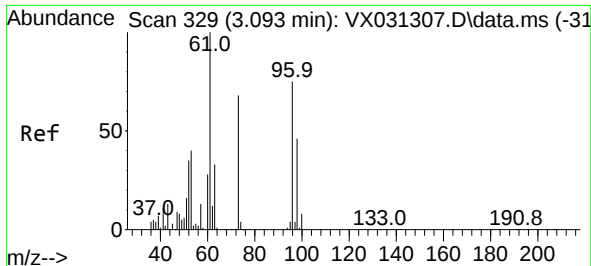
Tgt Ion: 43 Resp: 2122  
Ion Ratio Lower Upper  
43 100  
58 27.7 23.8 35.8



#17  
Carbon Disulfide  
Concen: 1.094 ug/l  
RT: 2.508 min Scan# 233  
Delta R.T. 0.001 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

Tgt Ion: 76 Resp: 644  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.2 10.8#

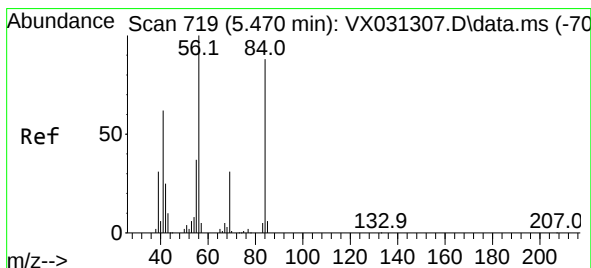
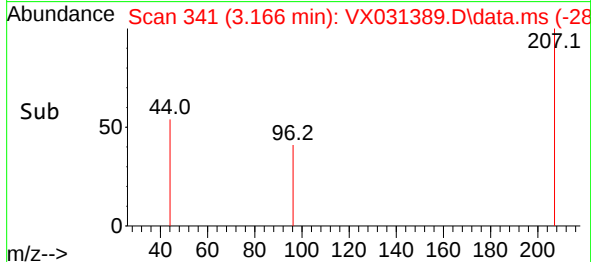
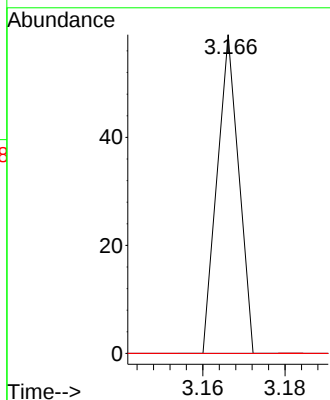
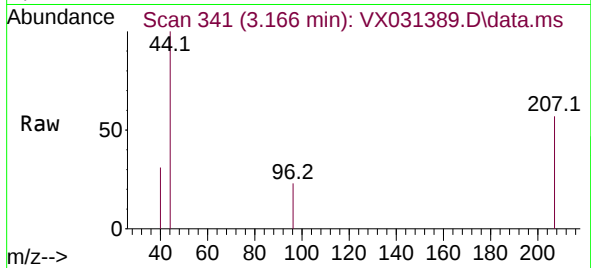




#21  
trans-1,2-Dichloroethene  
Concen: Below Cal  
RT: 3.166 min Scan# 341  
Delta R.T. 0.073 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

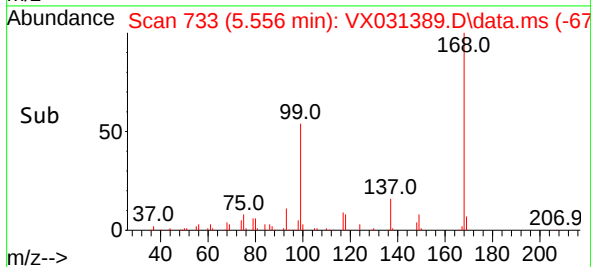
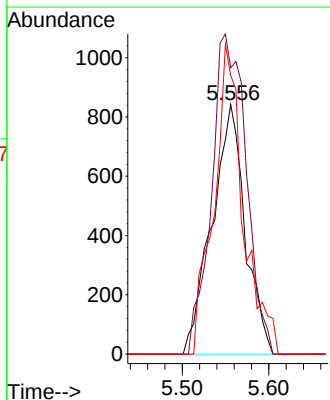
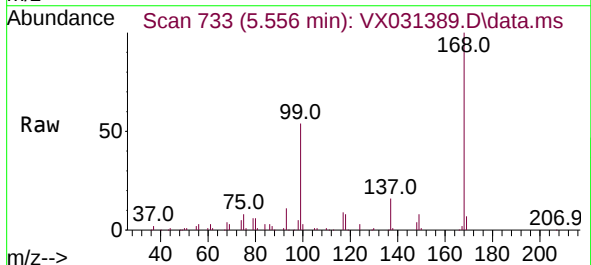
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-408-410

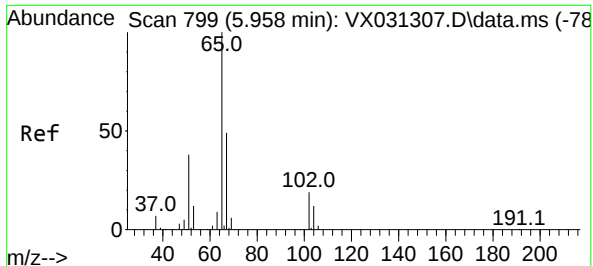
Tgt Ion: 96 Resp: 22  
Ion Ratio Lower Upper  
96 100  
61 0.0 106.7 160.1#  
98 0.0 48.7 73.1#



#31  
Cyclohexane  
Concen: 0.962 ug/l  
RT: 5.556 min Scan# 733  
Delta R.T. 0.086 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

Tgt Ion: 56 Resp: 2243  
Ion Ratio Lower Upper  
56 100  
69 114.7 25.1 37.7#  
84 111.5 70.2 105.4#





#33

1,2-Dichloroethane-d4

Concen: 42.448 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031389.D

Acq: 16 Sep 2022 06:12

Instrument :

MSVOA\_X

ClientSampleId :

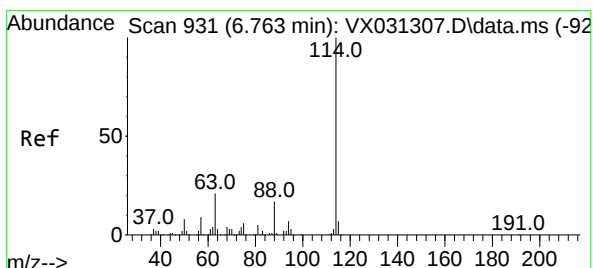
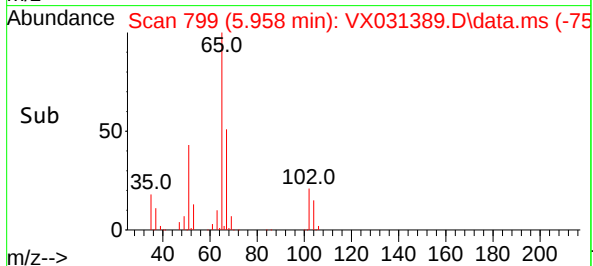
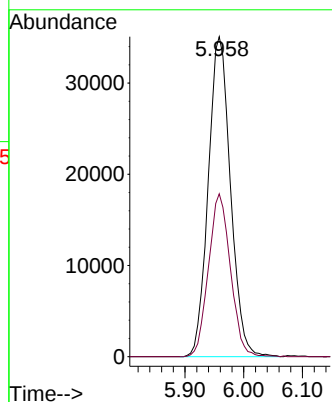
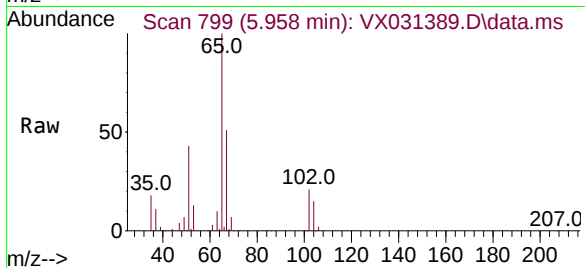
BP-VPB-RW5-GW-408-410

Tgt Ion: 65 Resp: 92092

Ion Ratio Lower Upper

65 100

67 50.3 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: VX031389.D

Acq: 16 Sep 2022 06:12

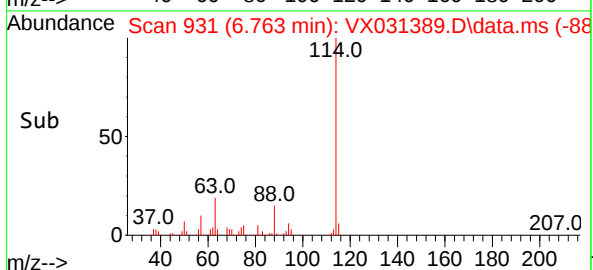
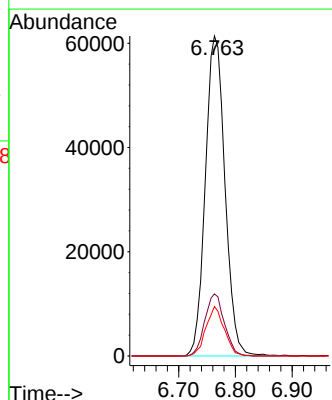
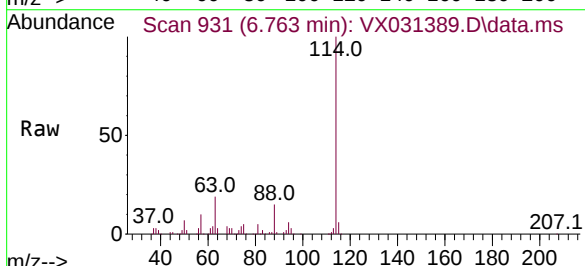
Tgt Ion: 114 Resp: 147378

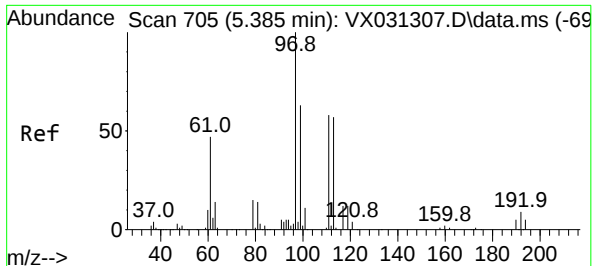
Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 15.4 0.0 33.0





#35

Dibromofluoromethane

Concen: 47.552 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX031389.D

Acq: 16 Sep 2022 06:12

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB-RW5-GW-408-410

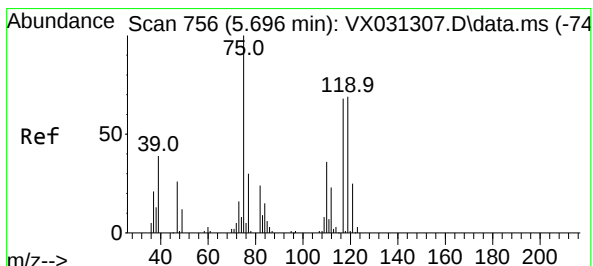
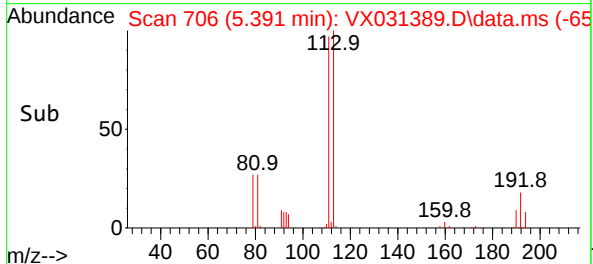
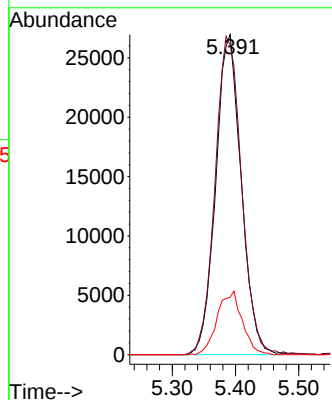
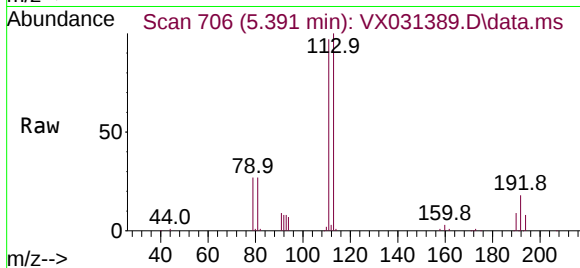
Tgt Ion:113 Resp: 75332

Ion Ratio Lower Upper

113 100

111 103.3 82.4 123.6

192 19.4 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.207 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031389.D

Acq: 16 Sep 2022 06:12

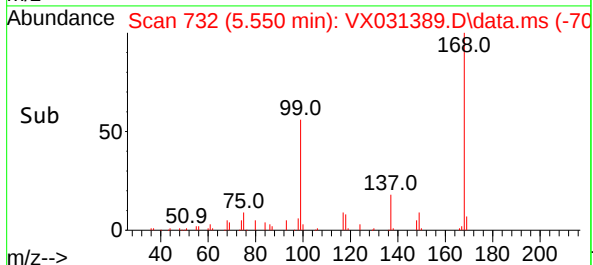
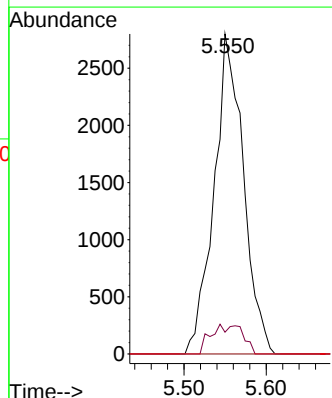
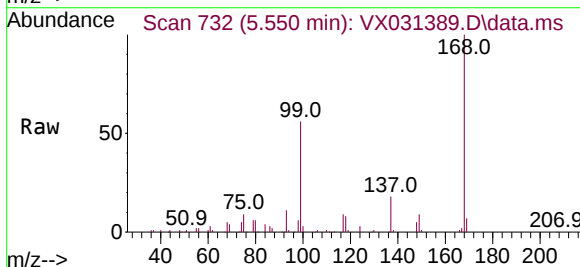
Tgt Ion: 75 Resp: 6955

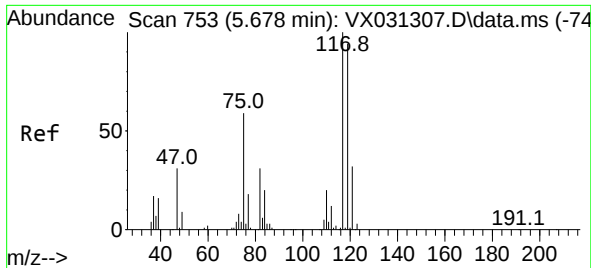
Ion Ratio Lower Upper

75 100

110 5.0 17.5 52.5#

77 0.0 24.9 37.3#

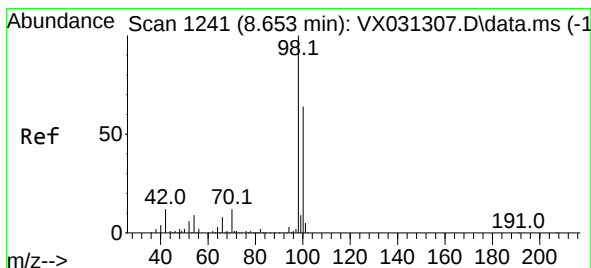
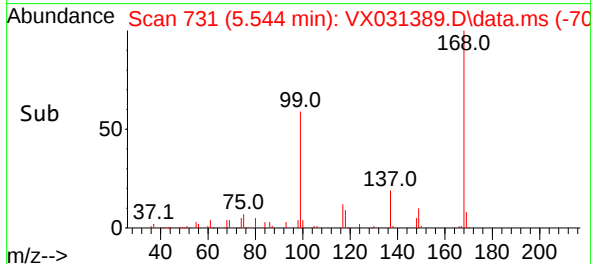
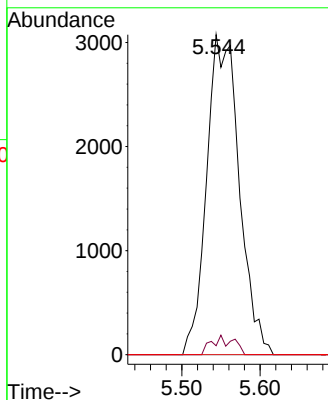
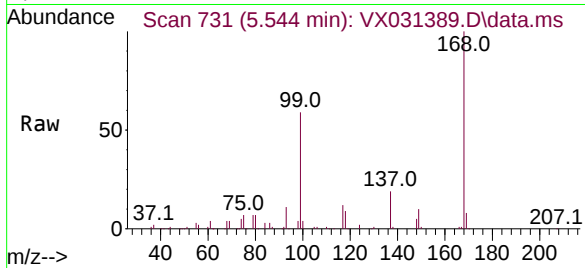




#38  
Carbon Tetrachloride  
Concen: 3.759 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.134 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

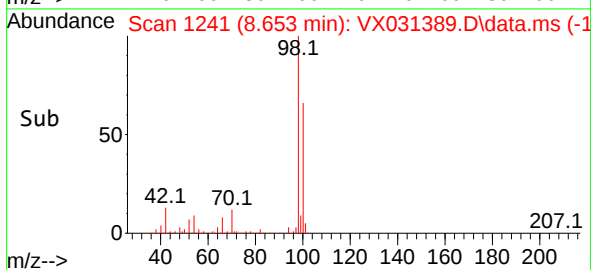
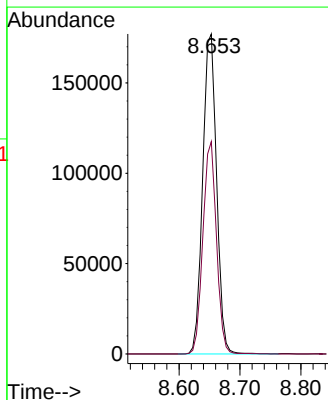
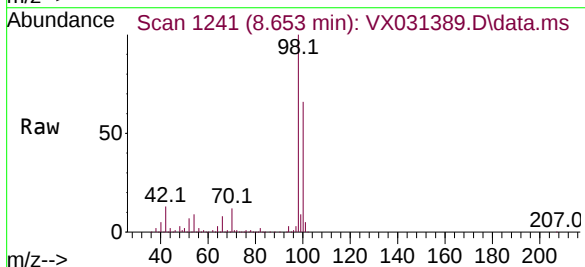
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-408-410

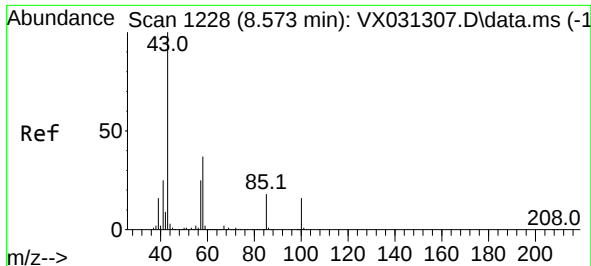
Tgt Ion:117 Resp: 8859  
Ion Ratio Lower Upper  
117 100  
119 2.8 74.6 112.0#  
121 0.0 25.3 37.9#



#50  
Toluene-d8  
Concen: 47.291 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

Tgt Ion: 98 Resp: 281033  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.5 78.7

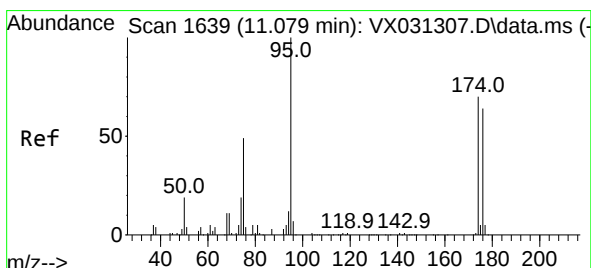
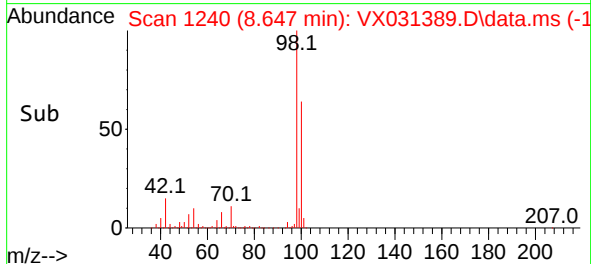
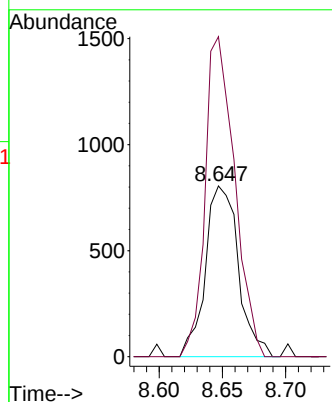
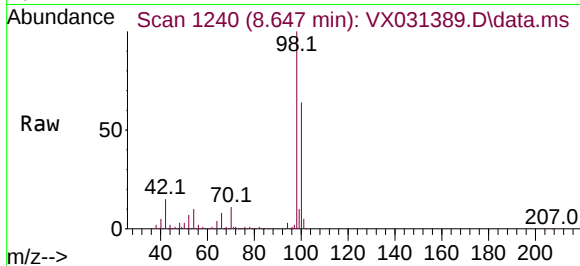




#51  
4-Methyl-2-Pentanone  
Concen: 0.494 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.073 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

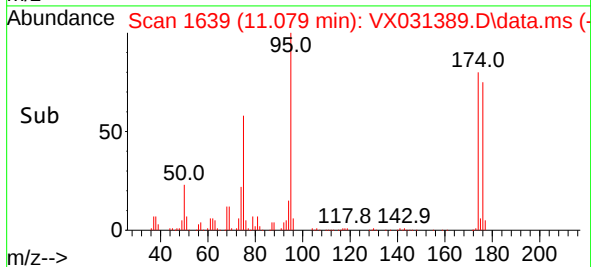
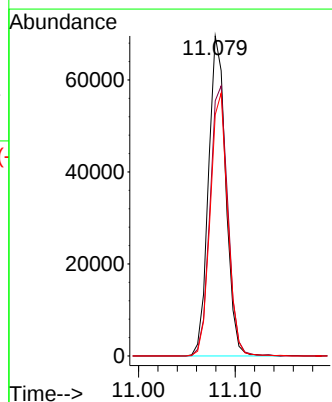
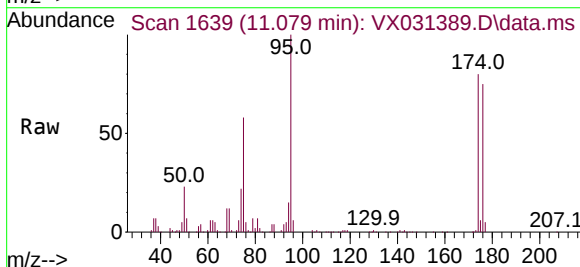
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-408-410

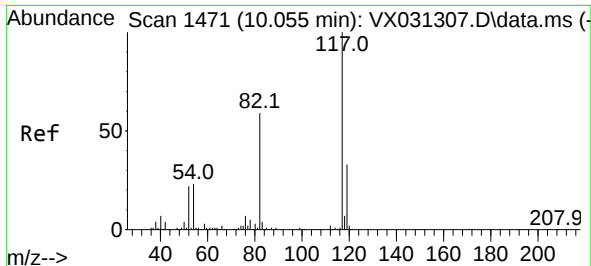
Tgt Ion: 43 Resp: 1461  
Ion Ratio Lower Upper  
43 100  
58 167.9 30.6 46.0#



#62  
4-Bromofluorobenzene  
Concen: 39.673 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

Tgt Ion: 95 Resp: 86333  
Ion Ratio Lower Upper  
95 100  
174 87.4 0.0 153.2  
176 83.3 0.0 144.0

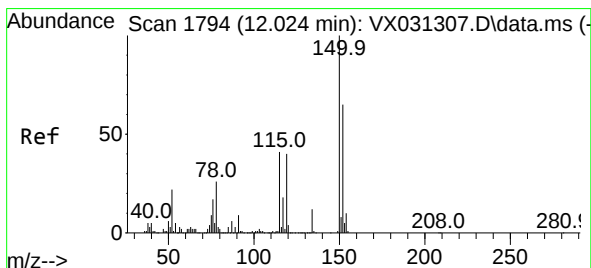
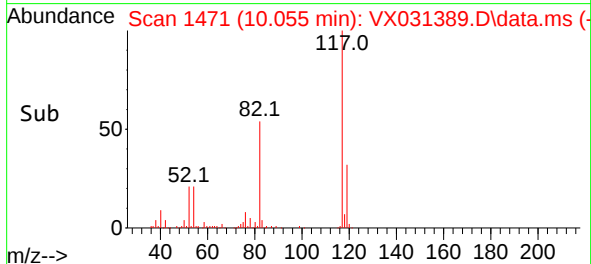
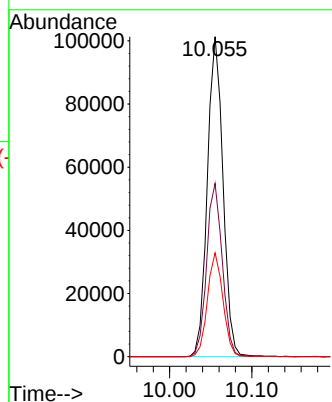
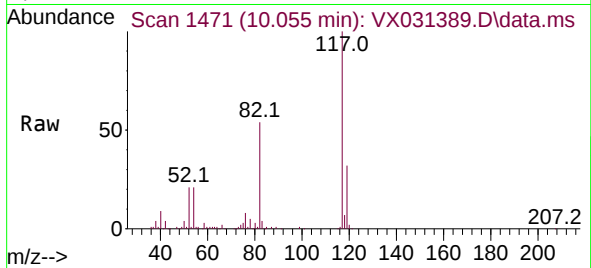




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

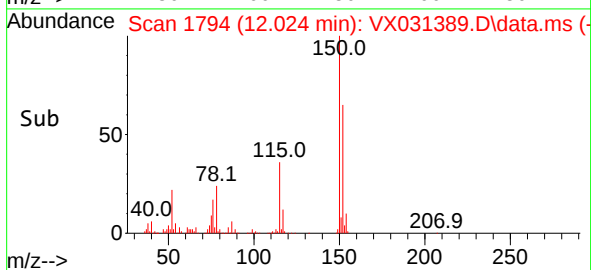
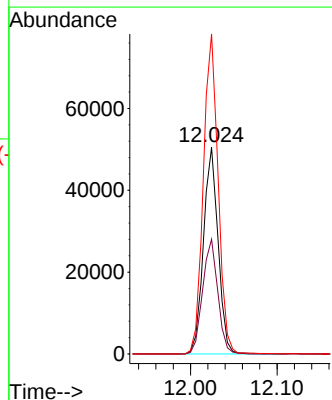
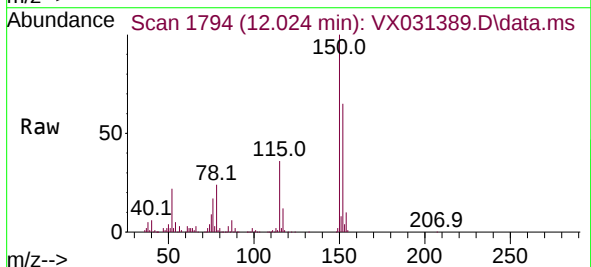
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB-RW5-GW-408-410

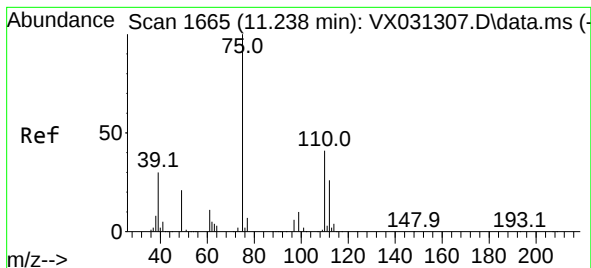
Tgt Ion:117 Resp: 134052  
Ion Ratio Lower Upper  
117 100  
82 54.1 46.8 70.2  
119 32.5 26.4 39.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.000 min  
Lab File: VX031389.D  
Acq: 16 Sep 2022 06:12

Tgt Ion:152 Resp: 59234  
Ion Ratio Lower Upper  
152 100  
115 57.3 43.4 130.1  
150 156.6 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 33.108 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX031389.D

Acq: 16 Sep 2022 06:12

Instrument :

MSVOA\_X

ClientSampleId :

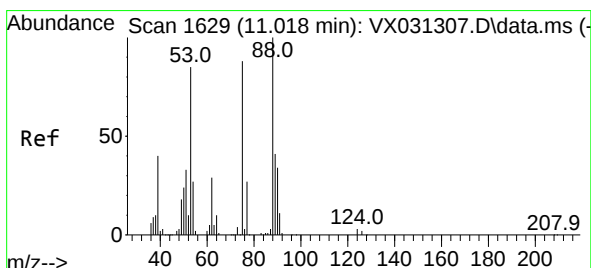
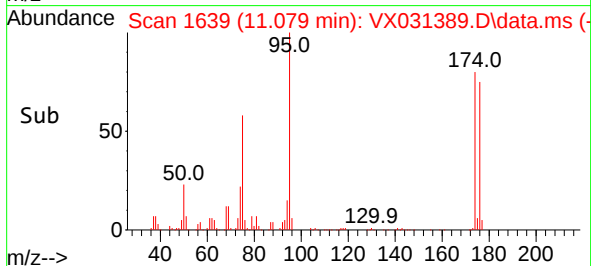
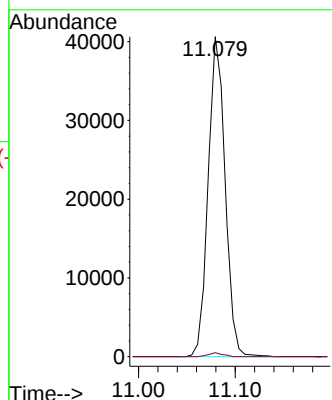
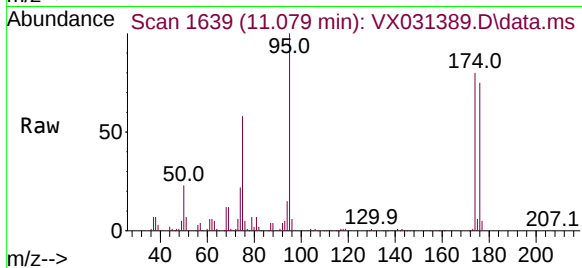
BP-VPB-RW5-GW-408-410

Tgt Ion: 75 Resp: 49421

Ion Ratio Lower Upper

75 100

77 1.0 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 91.612 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX031389.D

Acq: 16 Sep 2022 06:12

Tgt Ion: 75 Resp: 49421

Ion Ratio Lower Upper

75 100

53 0.0 77.6 116.4#

89 0.0 37.4 56.0#

