

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101922\  
 Data File : VX032246.D  
 Acq On : 20 Oct 2022 06:51  
 Operator : JC/MD  
 Sample : PB148361ZHE#12  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB148361ZHE#12

Quant Time: Oct 20 13:13:24 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X101922W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 19 16:51:09 2022  
 Response via : Initial Calibration

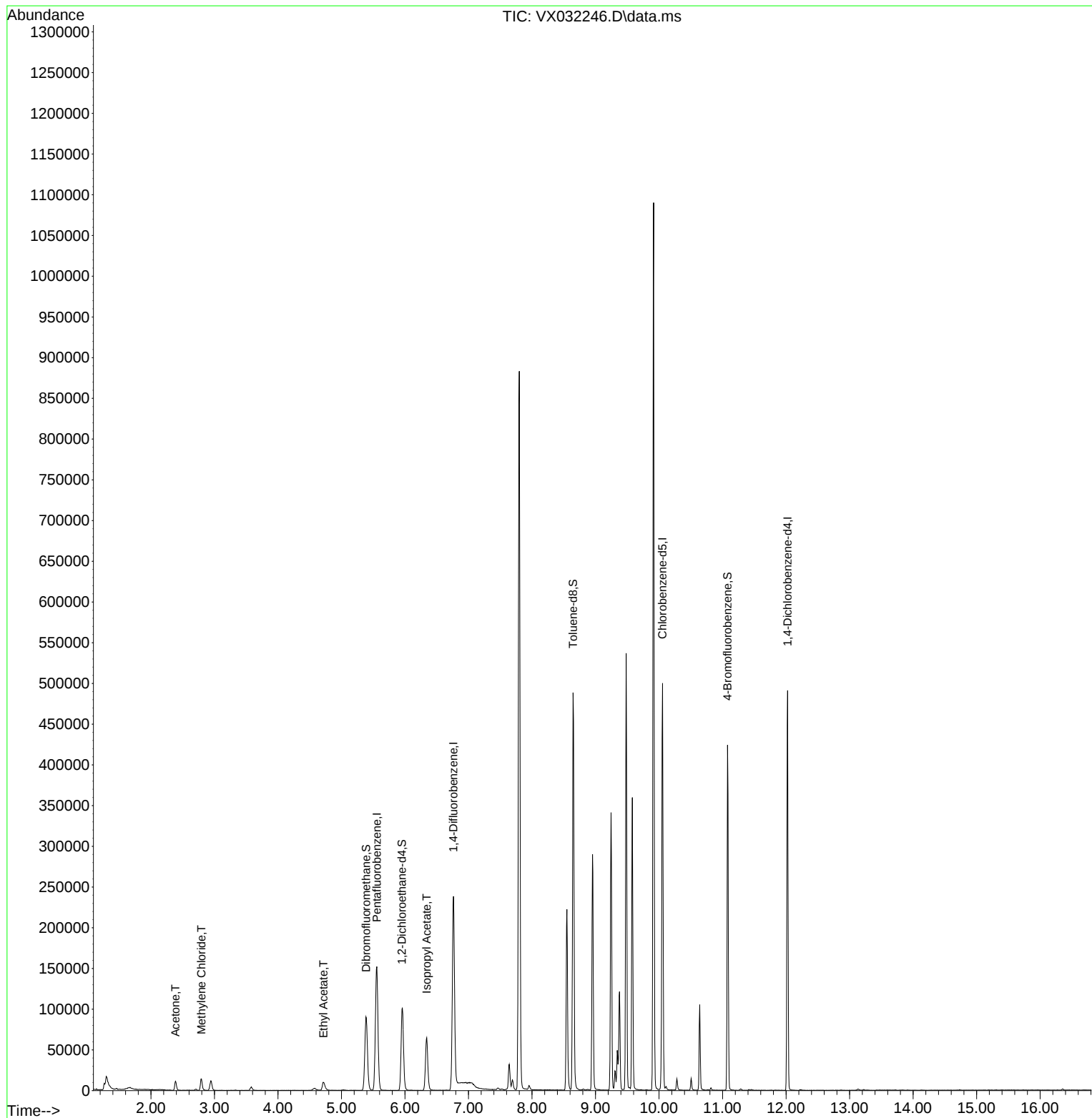
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.556  | 168   | 142236   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.763  | 114   | 233420   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 212523   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 97478    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 103664   | 56.024   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 112.040% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 77720    | 47.849   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 95.700%  |
| 50) Toluene-d8              | 8.647  | 98    | 287417   | 49.157   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 98.320%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 104356   | 48.740   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 97.480%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.386  | 43    | 13800    | 22.982   | ug/l   | 91       |
| 20) Methylene Chloride      | 2.794  | 84    | 7247     | 4.700    | ug/l   | 91       |
| 37) Ethyl Acetate           | 4.715  | 43    | 17888    | 8.744    | ug/l   | 97       |
| 43) Isopropyl Acetate       | 6.342  | 43    | 88940    | 27.700   | ug/l   | 98       |
| -----                       |        |       |          |          |        |          |

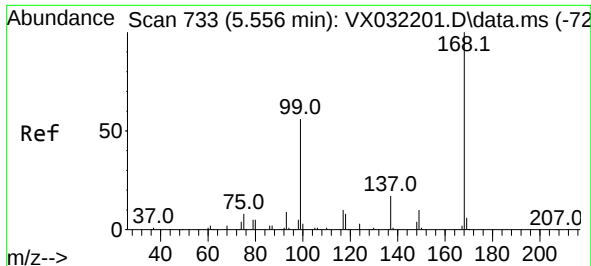
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Oct 19 16:51:09 2022  
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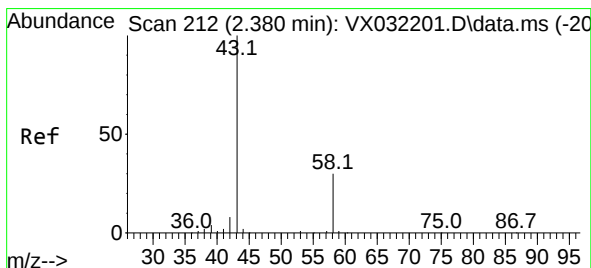
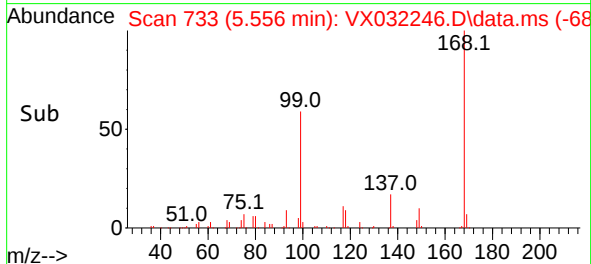
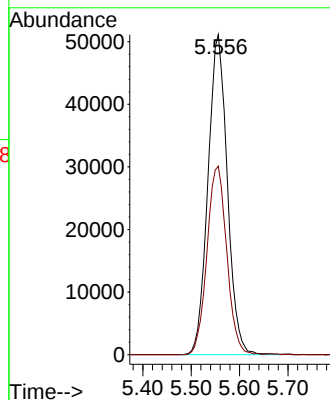
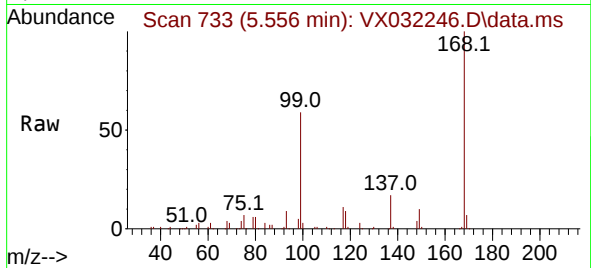




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.556 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

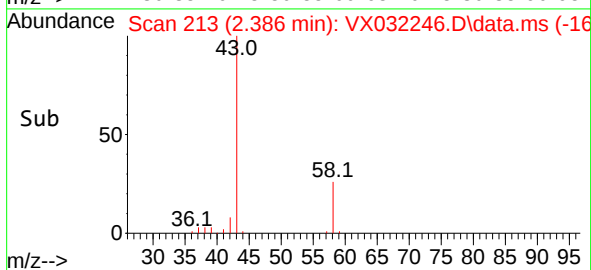
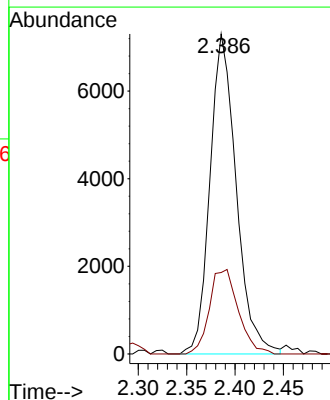
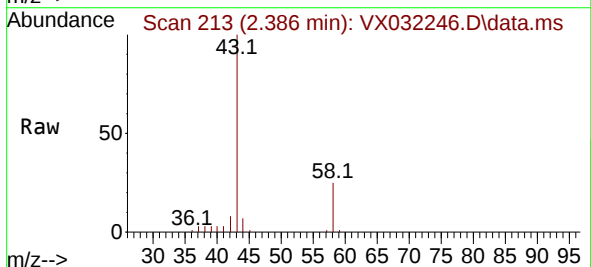
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#12

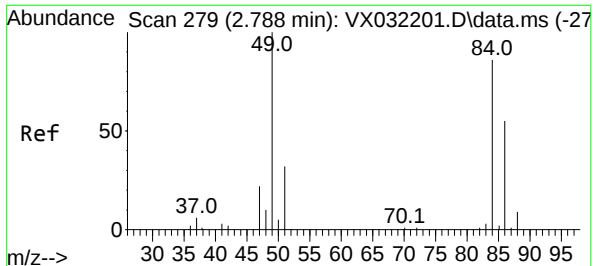
Tgt Ion:168 Resp: 142236  
Ion Ratio Lower Upper  
168 100  
99 58.9 44.8 67.2



#16  
Acetone  
Concen: 22.982 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

Tgt Ion: 43 Resp: 13800  
Ion Ratio Lower Upper  
43 100  
58 25.5 24.2 36.2

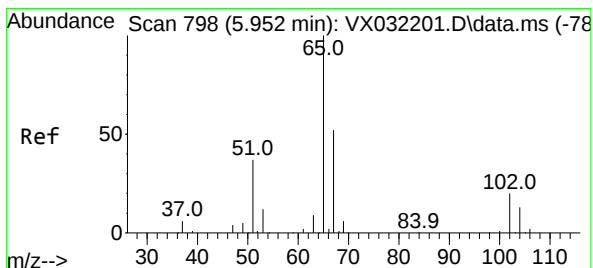
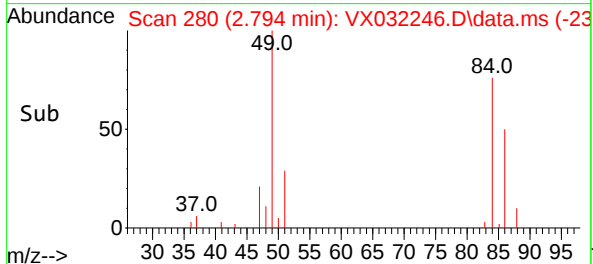
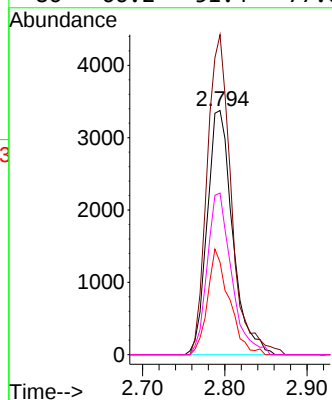
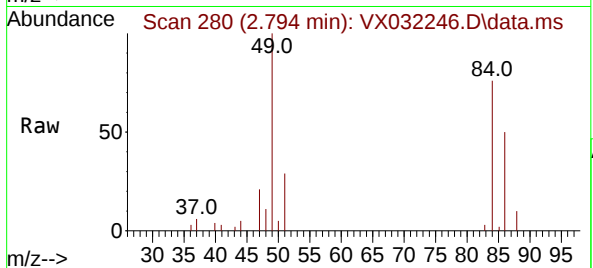




#20  
Methylene Chloride  
Concen: 4.700 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

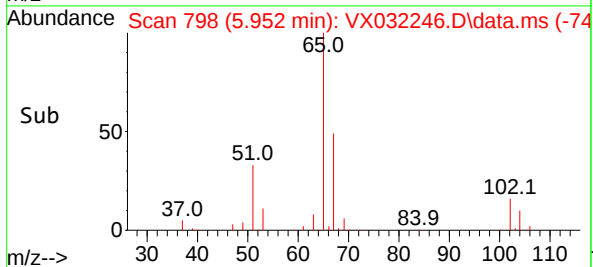
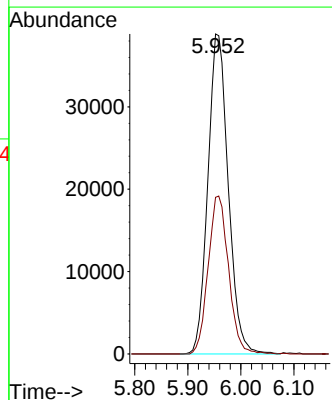
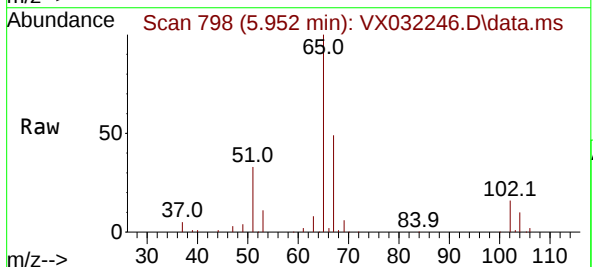
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#12

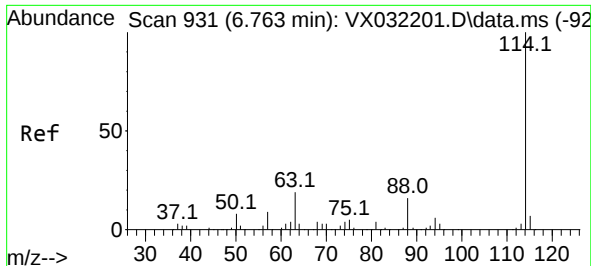
|             |             |
|-------------|-------------|
| Tgt Ion: 84 | Resp: 7247  |
| Ion Ratio   | Lower Upper |
| 84 100      |             |
| 49 131.0    | 92.6 139.0  |
| 51 37.8     | 29.2 43.8   |
| 86 66.2     | 51.4 77.0   |



#33  
1,2-Dichloroethane-d4  
Concen: 56.024 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

|             |              |
|-------------|--------------|
| Tgt Ion: 65 | Resp: 103664 |
| Ion Ratio   | Lower Upper  |
| 65 100      |              |
| 67 49.4     | 0.0 103.6    |

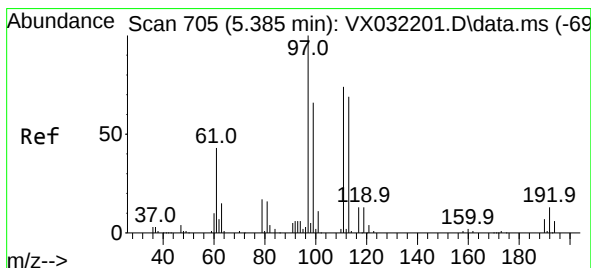
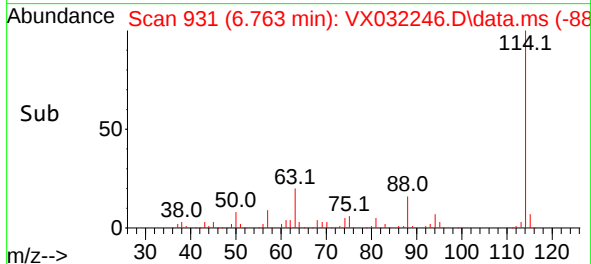
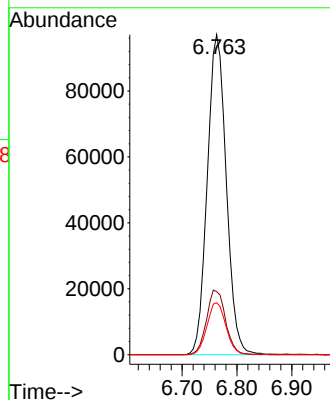
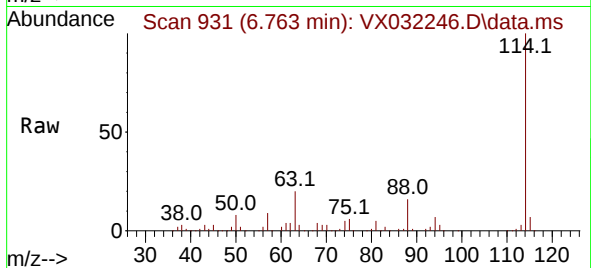




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

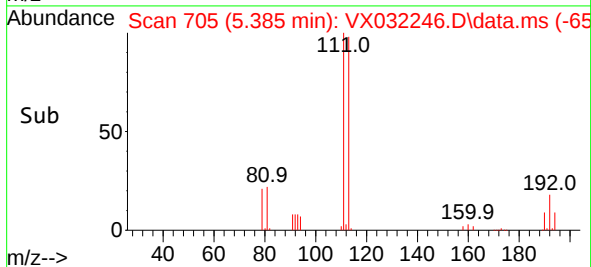
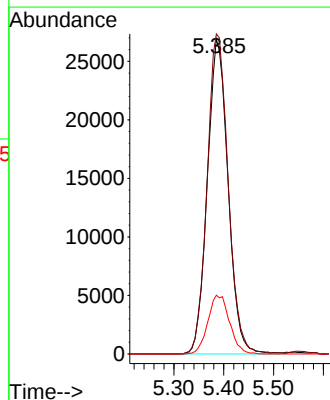
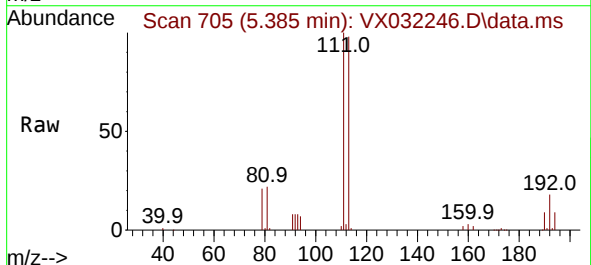
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#12

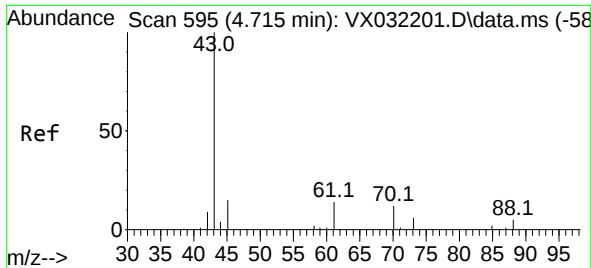
Tgt Ion:114 Resp: 233420  
Ion Ratio Lower Upper  
114 100  
63 19.7 0.0 38.6  
88 16.3 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 47.849 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

Tgt Ion:113 Resp: 77720  
Ion Ratio Lower Upper  
113 100  
111 103.2 82.8 124.2  
192 19.5 15.5 23.3



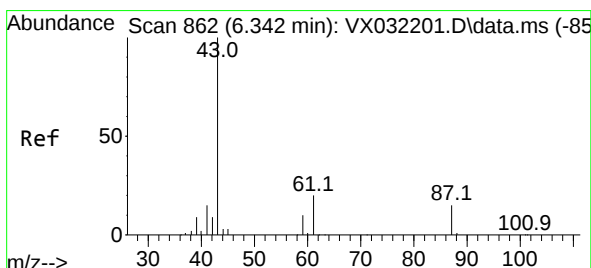
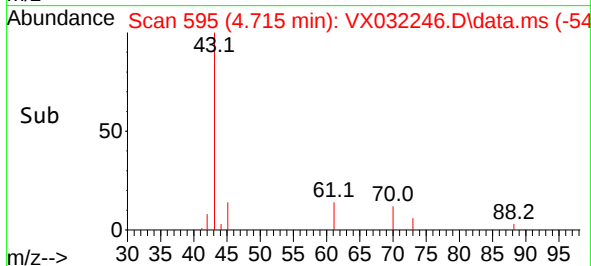
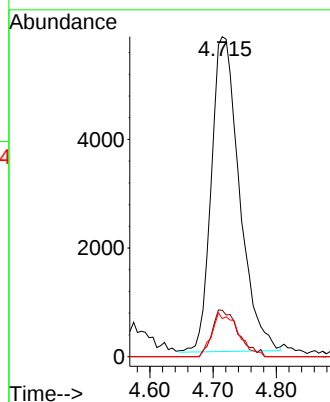
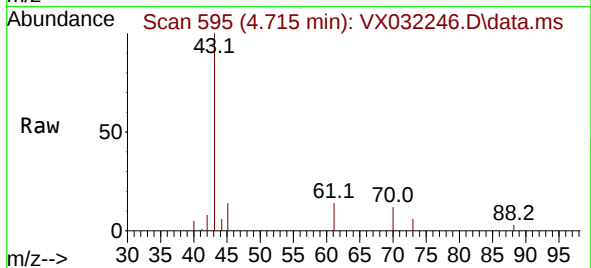


#37  
Ethyl Acetate  
Concen: 8.744 ug/l  
RT: 4.715 min Scan# 595  
Delta R.T. -0.000 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#12

Tgt Ion: 43 Resp: 17888

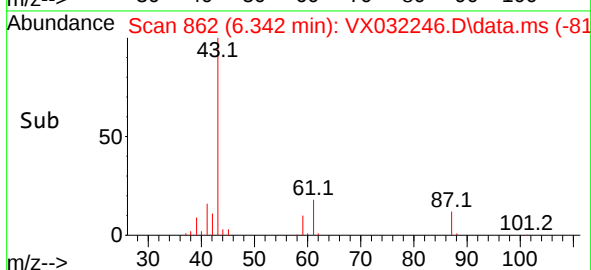
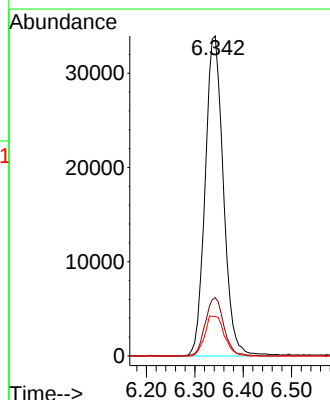
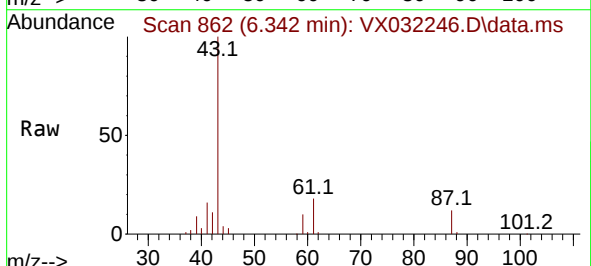
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 13.8  | 11.4  | 17.2  |
| 70  | 12.9  | 8.8   | 13.2  |

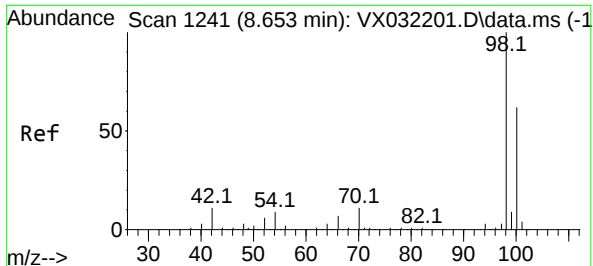


#43  
Isopropyl Acetate  
Concen: 27.700 ug/l  
RT: 6.342 min Scan# 862  
Delta R.T. 0.000 min  
Lab File: VX032246.D  
Acq: 20 Oct 2022 06:51

Tgt Ion: 43 Resp: 88940

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 18.6  | 15.5  | 23.3  |
| 87  | 13.3  | 11.0  | 16.6  |





#50

Toluene-d8

Concen: 49.157 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

Instrument :

MSVOA\_X

ClientSampleId :

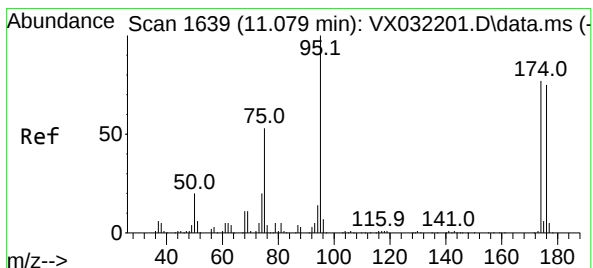
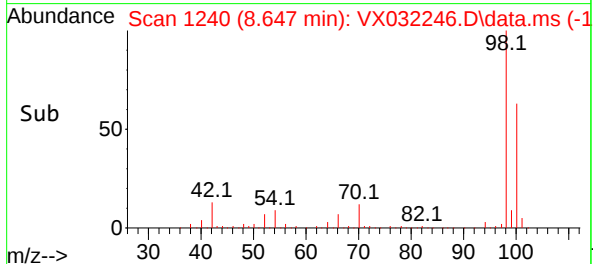
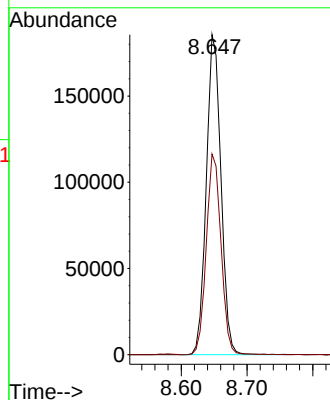
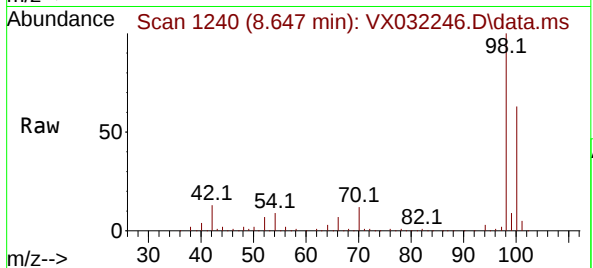
PB148361ZHE#12

Tgt Ion: 98 Resp: 287417

Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



#62

4-Bromofluorobenzene

Concen: 48.740 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

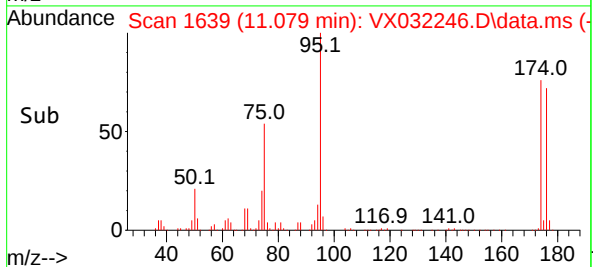
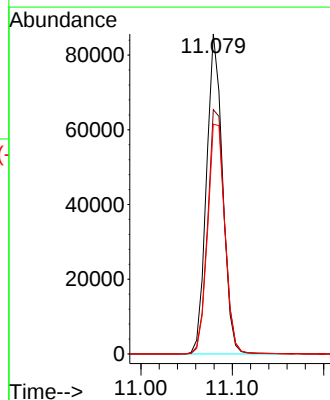
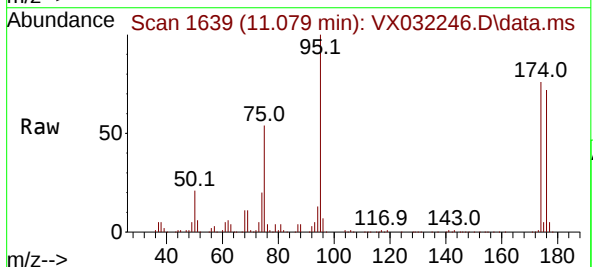
Tgt Ion: 95 Resp: 104356

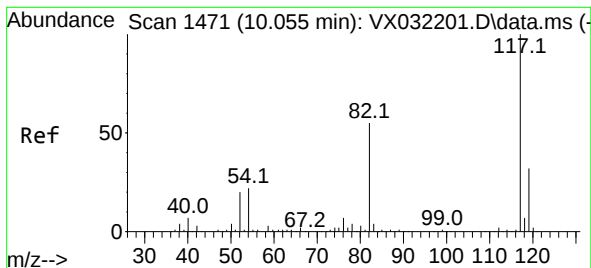
Ion Ratio Lower Upper

95 100

174 80.6 0.0 166.8

176 77.2 0.0 161.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

Instrument :

MSVOA\_X

ClientSampleId :

PB148361ZHE#12

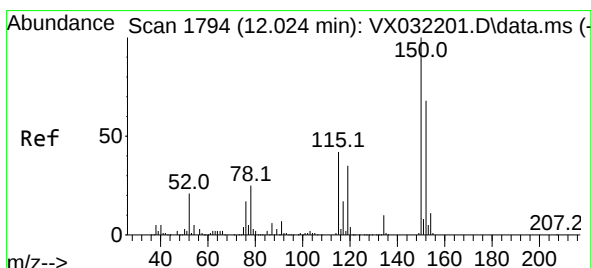
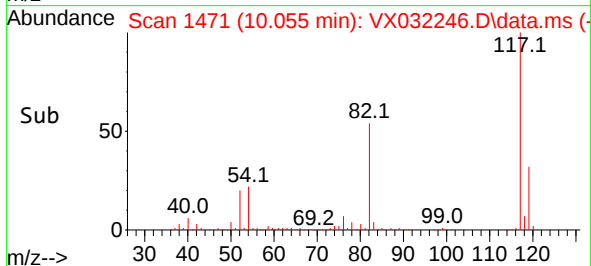
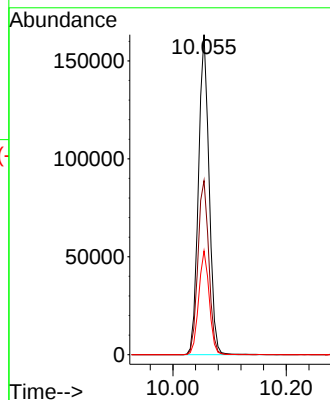
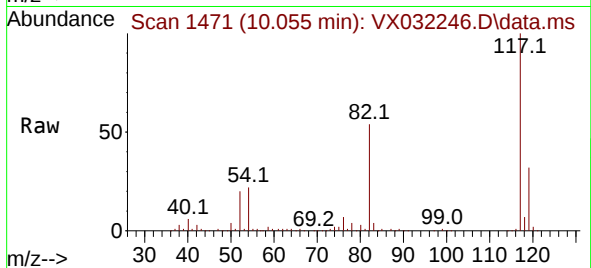
Tgt Ion:117 Resp: 212523

Ion Ratio Lower Upper

117 100

82 54.4 44.2 66.4

119 32.4 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX032246.D

Acq: 20 Oct 2022 06:51

Tgt Ion:152 Resp: 97478

Ion Ratio Lower Upper

152 100

115 60.9 43.1 129.4

150 158.8 0.0 348.6

