

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX101922\  
 Data File : VX032239.D  
 Acq On : 20 Oct 2022 04:09  
 Operator : JC/MD  
 Sample : PB148361ZHE#05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB148361ZHE#05

Quant Time: Oct 20 05:28:05 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

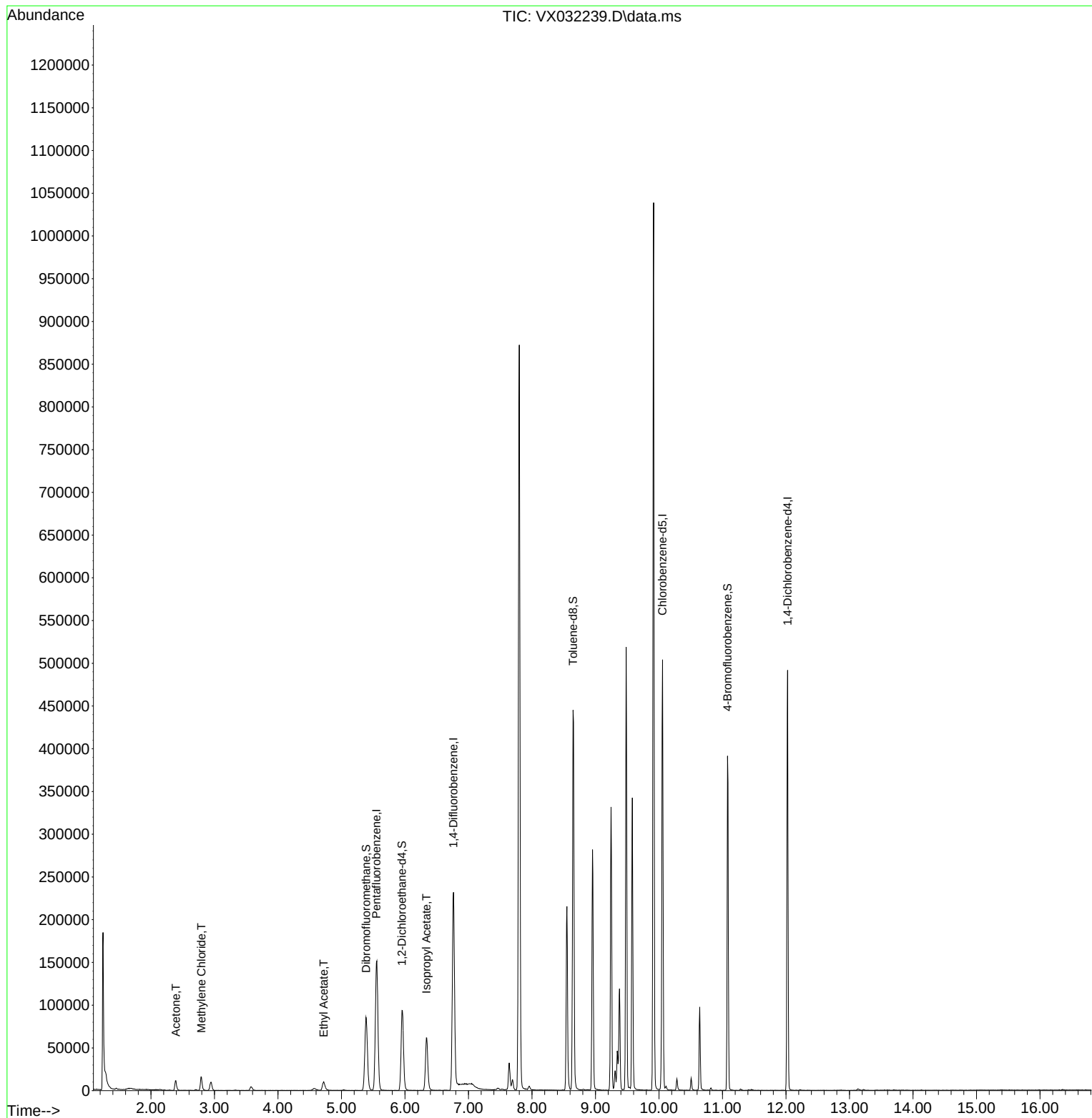
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min)     |
|-----------------------------|-----------|-------|----------|----------|-------|--------------|
| -----                       |           |       |          |          |       |              |
| Internal Standards          |           |       |          |          |       |              |
| 1) Pentafluorobenzene       | 5.550     | 168   | 142311   | 50.000   | ug/l  | 0.00         |
| 34) 1,4-Difluorobenzene     | 6.763     | 114   | 233159   | 50.000   | ug/l  | 0.00         |
| 63) Chlorobenzene-d5        | 10.055    | 117   | 211740   | 50.000   | ug/l  | 0.00         |
| 72) 1,4-Dichlorobenzene-d4  | 12.024    | 152   | 98132    | 50.000   | ug/l  | 0.00         |
| System Monitoring Compounds |           |       |          |          |       |              |
| 33) 1,2-Dichloroethane-d4   | 5.952     | 65    | 97151    | 52.477   | ug/l  | 0.00         |
| Spiked Amount               | 50.000    | Range | 78 - 117 | Recovery | =     | 104.960%     |
| 35) Dibromofluoromethane    | 5.385     | 113   | 72570    | 44.728   | ug/l  | 0.00         |
| Spiked Amount               | 50.000    | Range | 75 - 124 | Recovery | =     | 89.460%      |
| 50) Toluene-d8              | 8.647     | 98    | 270126   | 46.251   | ug/l  | 0.00         |
| Spiked Amount               | 50.000    | Range | 92 - 112 | Recovery | =     | 92.500%      |
| 62) 4-Bromofluorobenzene    | 11.079    | 95    | 98025    | 45.835   | ug/l  | 0.00         |
| Spiked Amount               | 50.000    | Range | 83 - 123 | Recovery | =     | 91.660%      |
| Target Compounds            |           |       |          |          |       |              |
| 16) Acetone                 | 2.392     | 43    | 14137    | 23.531   | ug/l  | Qvalue<br>96 |
| 20) Methylene Chloride      | 2.794     | 84    | 7772     | 5.038    | ug/l  | 97           |
| 37) Ethyl Acetate           | 4.721     | 43    | 17968    | 8.793    | ug/l  | 100          |
| 43) Isopropyl Acetate       | 6.336     | 43    | 83687    | 26.093   | ug/l  | 99           |
| -----                       |           |       |          |          |       |              |

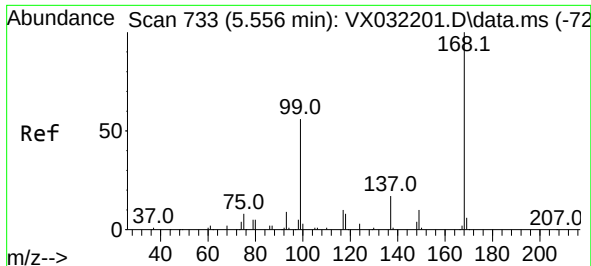
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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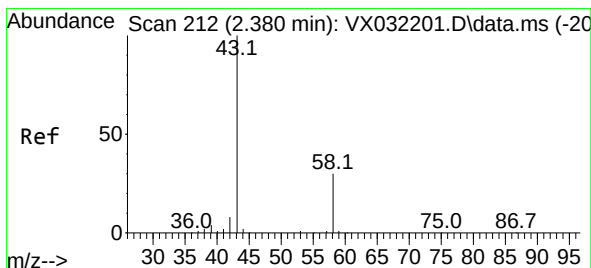
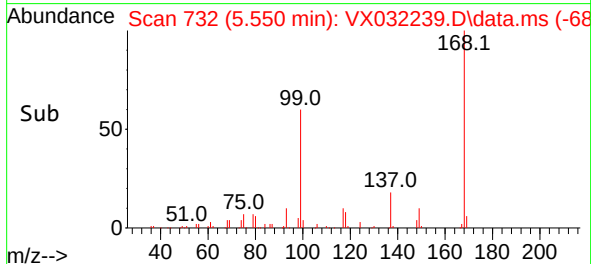
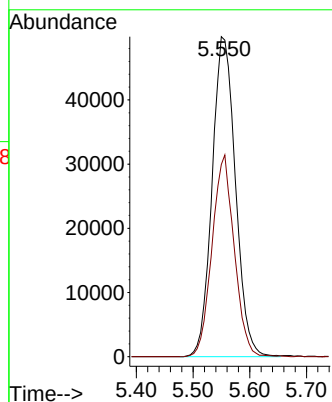
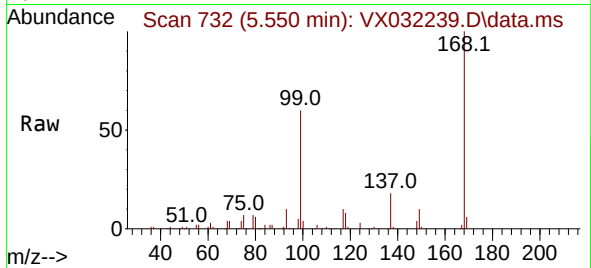




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

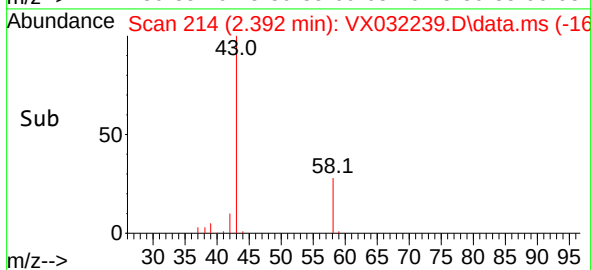
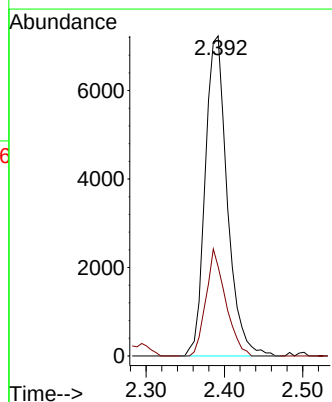
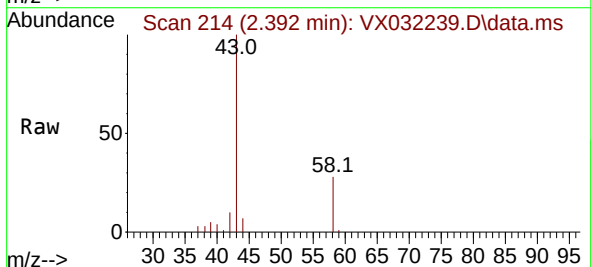
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#05

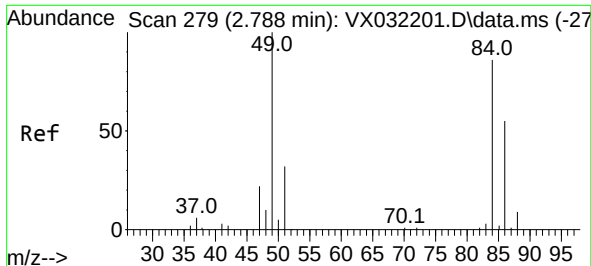
Tgt Ion:168 Resp: 142311  
Ion Ratio Lower Upper  
168 100  
99 60.1 44.8 67.2



#16  
Acetone  
Concen: 23.531 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. 0.012 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

Tgt Ion: 43 Resp: 14137  
Ion Ratio Lower Upper  
43 100  
58 27.9 24.2 36.2



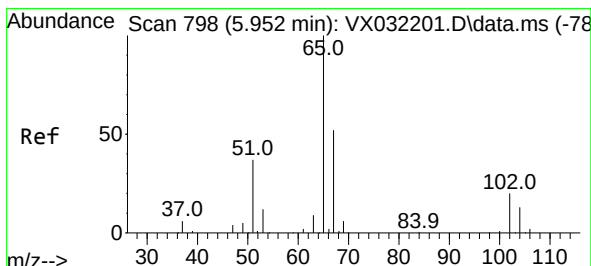
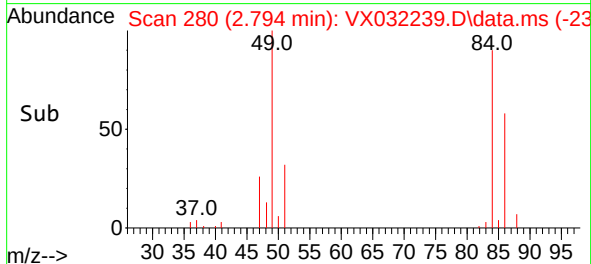
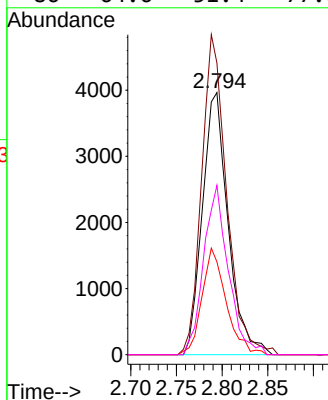
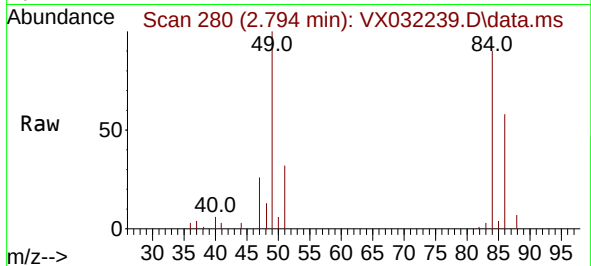


#20  
Methylene Chloride  
Concen: 5.038 ug/l  
RT: 2.794 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#05

Tgt Ion: 84 Resp: 7772

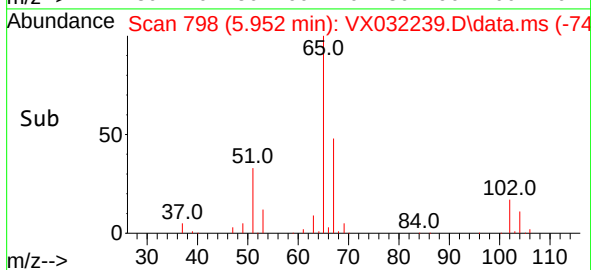
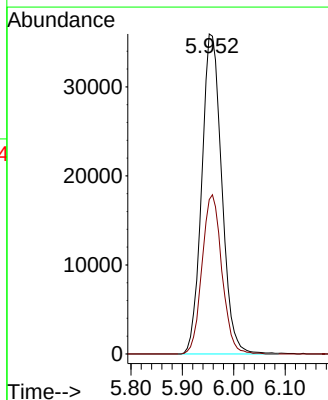
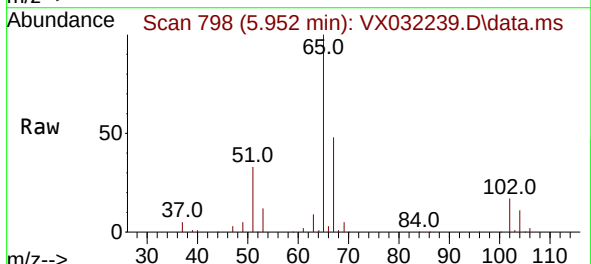
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 111.3 | 92.6  | 139.0 |
| 51  | 35.4  | 29.2  | 43.8  |
| 86  | 64.6  | 51.4  | 77.0  |

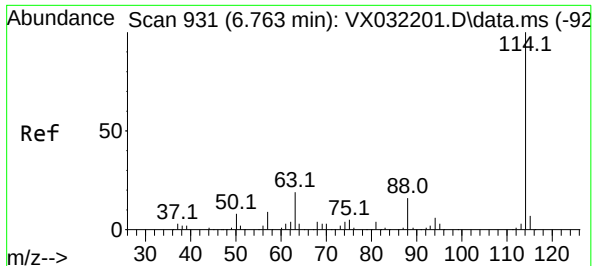


#33  
1,2-Dichloroethane-d4  
Concen: 52.477 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.000 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

Tgt Ion: 65 Resp: 97151

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 49.4  | 0.0   | 103.6 |

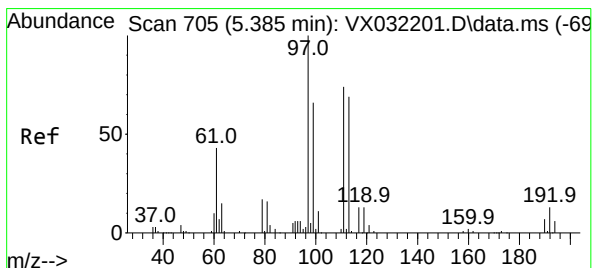
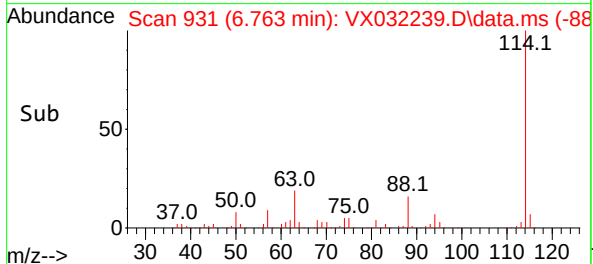
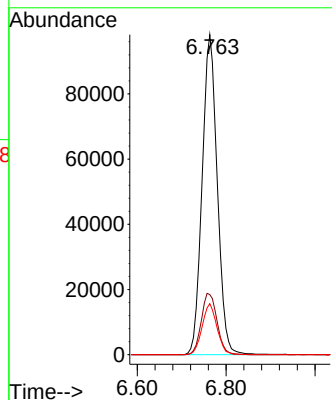
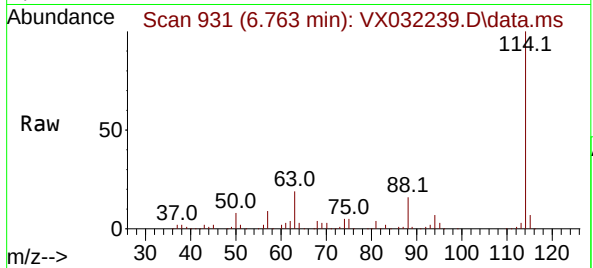




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.763 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

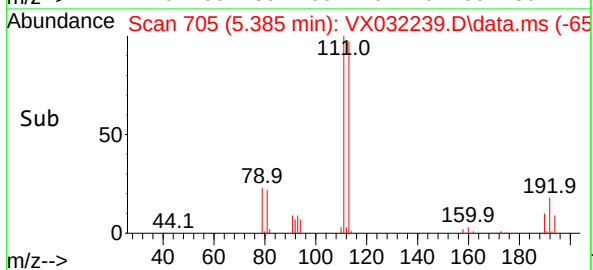
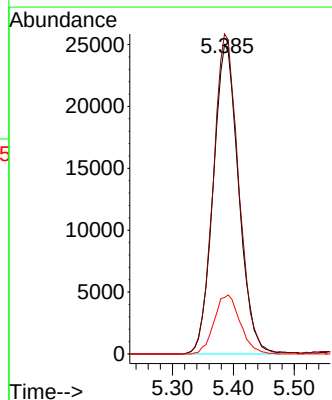
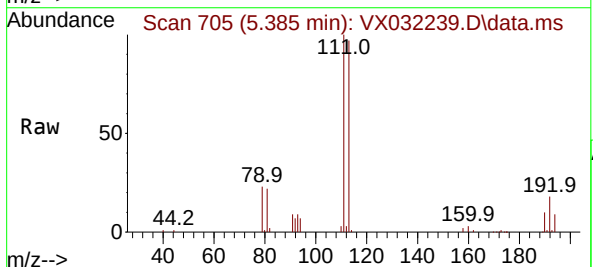
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#05

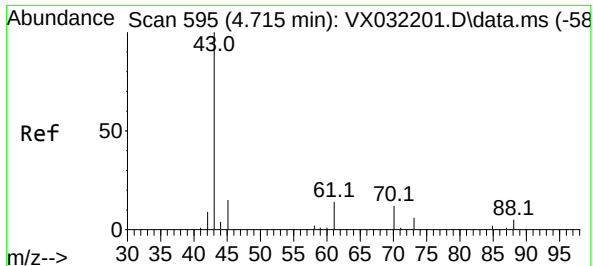
Tgt Ion:114 Resp: 233159  
Ion Ratio Lower Upper  
114 100  
63 18.8 0.0 38.6  
88 15.9 0.0 32.6



#35  
Dibromofluoromethane  
Concen: 44.728 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.000 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

Tgt Ion:113 Resp: 72570  
Ion Ratio Lower Upper  
113 100  
111 103.5 82.8 124.2  
192 19.5 15.5 23.3





#37

Ethyl Acetate

Concen: 8.793 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

Instrument :

MSVOA\_X

ClientSampleId :

PB148361ZHE#05

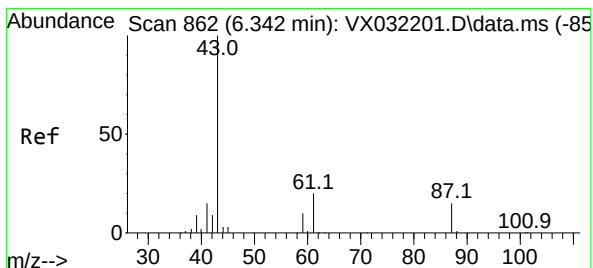
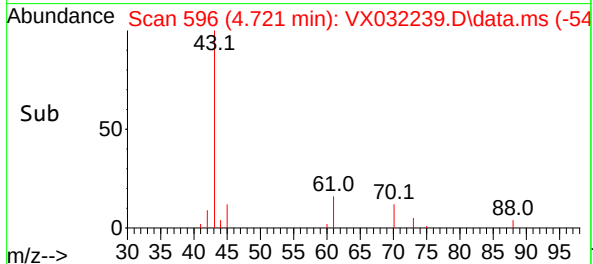
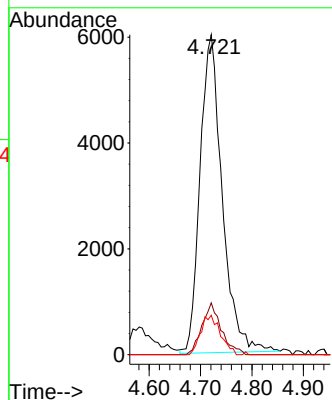
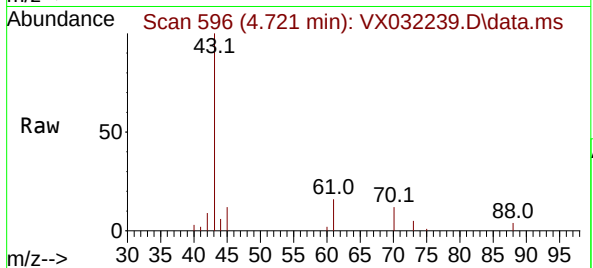
Tgt Ion: 43 Resp: 17968

Ion Ratio Lower Upper

43 100

61 14.3 11.4 17.2

70 11.0 8.8 13.2



#43

Isopropyl Acetate

Concen: 26.093 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX032239.D

Acq: 20 Oct 2022 04:09

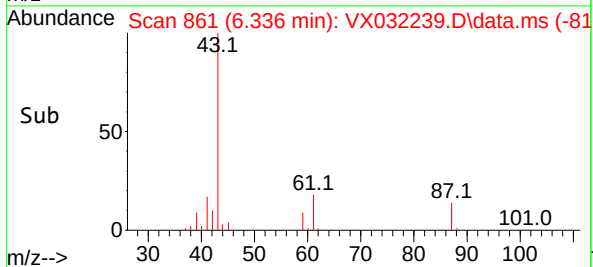
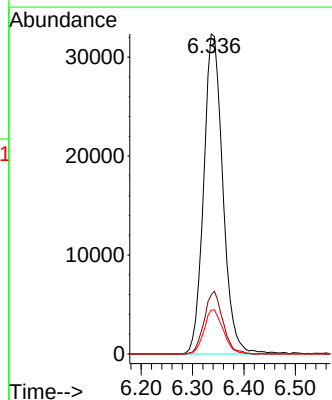
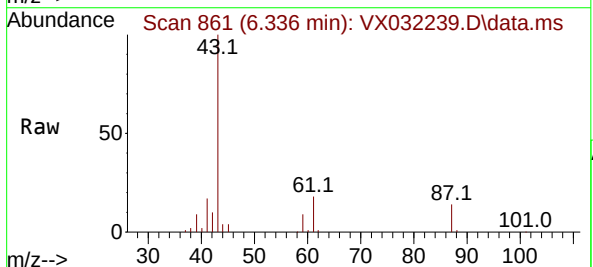
Tgt Ion: 43 Resp: 83687

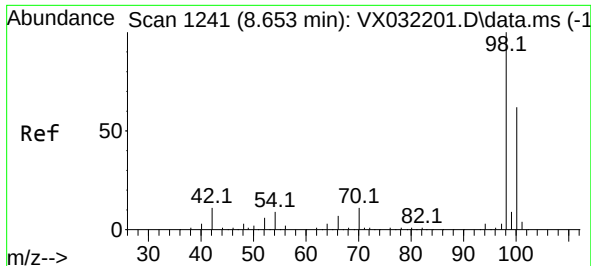
Ion Ratio Lower Upper

43 100

61 19.0 15.5 23.3

87 13.8 11.0 16.6

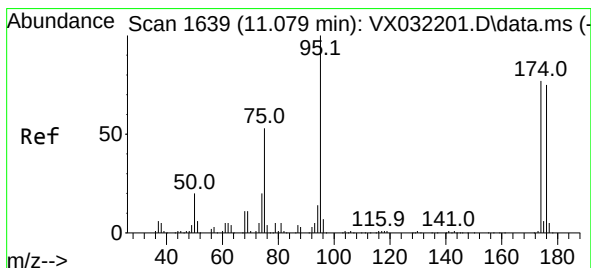
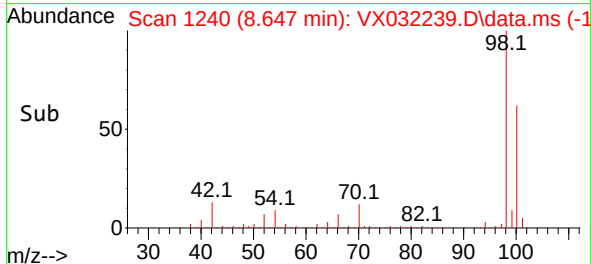
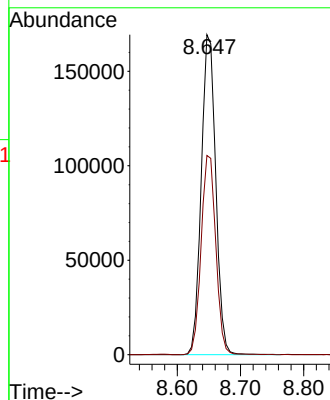
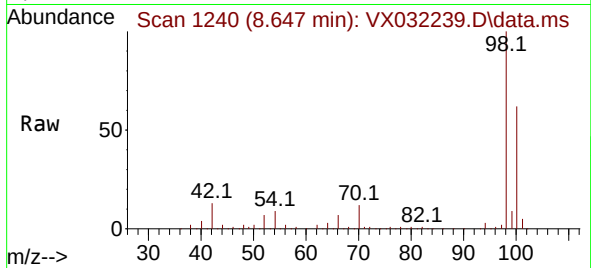




#50  
Toluene-d8  
Concen: 46.251 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

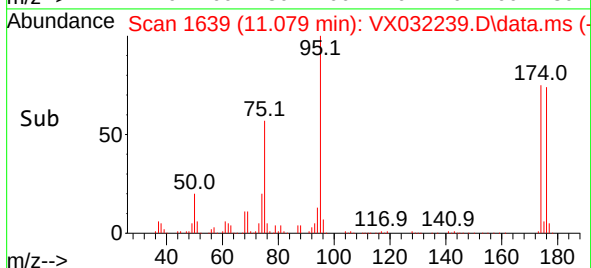
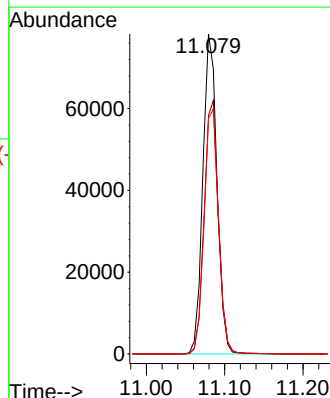
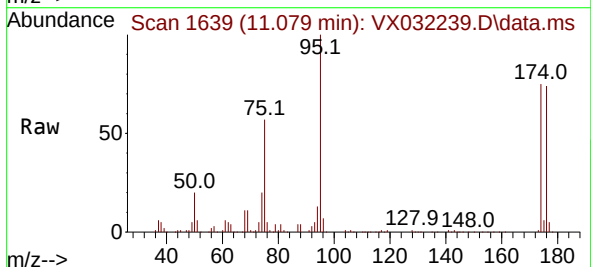
Instrument :  
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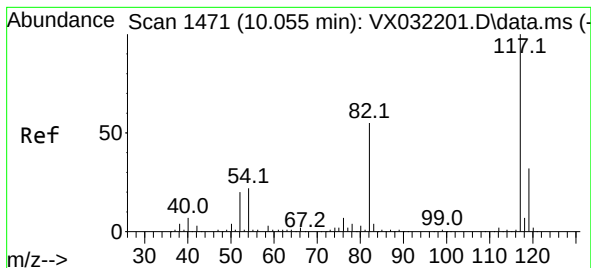
Tgt Ion: 98 Resp: 270126  
Ion Ratio Lower Upper  
98 100  
100 63.1 50.7 76.1



#62  
4-Bromofluorobenzene  
Concen: 45.835 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

Tgt Ion: 95 Resp: 98025  
Ion Ratio Lower Upper  
95 100  
174 80.0 0.0 166.8  
176 78.3 0.0 161.4

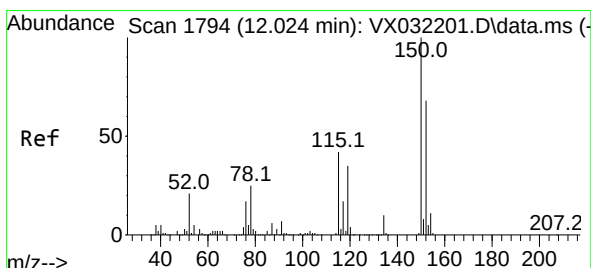
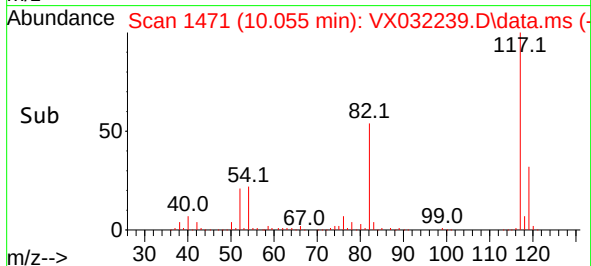
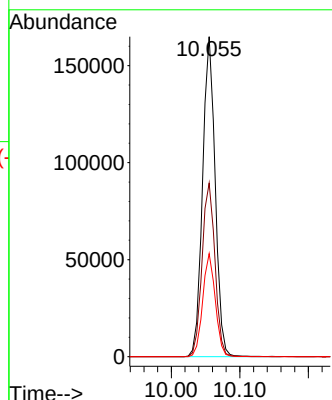
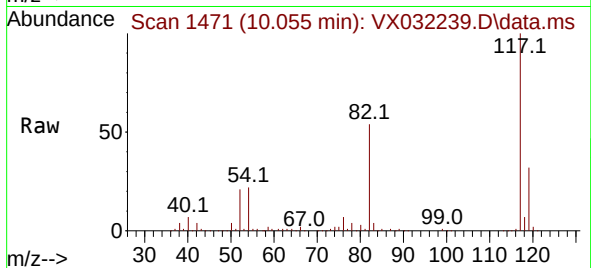




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX032239.D  
Acq: 20 Oct 2022 04:09

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB148361ZHE#05

Tgt Ion:117 Resp: 211740  
Ion Ratio Lower Upper  
117 100  
82 54.3 44.2 66.4  
119 32.2 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: VX032239.D  
Acq: 20 Oct 2022 04:09

Tgt Ion:152 Resp: 98132  
Ion Ratio Lower Upper  
152 100  
115 60.1 43.1 129.4  
150 156.6 0.0 348.6

