

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX052821\  
 Data File : VX022243.D  
 Acq On : 27 May 2021 19:24  
 Operator : JC/MD  
 Sample : M2549-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PILOT-PLANT-PROCESS-BLEED

Quant Time: May 28 01:34:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X051921W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 19 14:23:10 2021  
 Response via : Initial Calibration

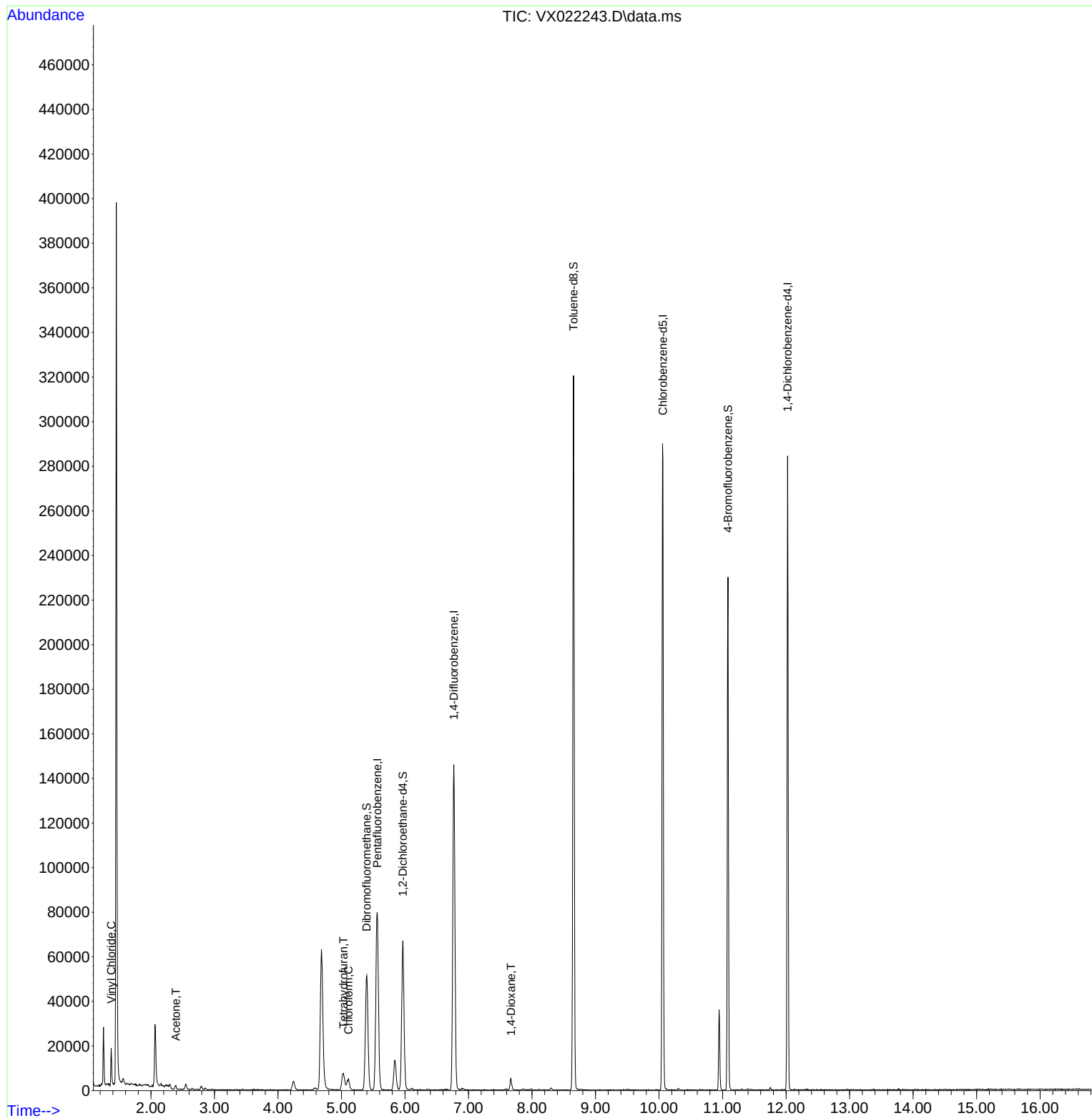
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.562  | 168   | 70031    | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 147525   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.061 | 117   | 128776   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 50861    | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 57921    | 53.62    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 107.24%  |
| 35) Dibromofluoromethane    | 5.397  | 113   | 44779    | 47.86    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 95.72%   |
| 50) Toluene-d8              | 8.653  | 98    | 180074   | 49.97    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 99.94%   |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 63616    | 47.76    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 95.52%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 4) Vinyl Chloride           | 1.374  | 62    | 9364     | 9.64     | ug/l   | 92       |
| 16) Acetone                 | 2.392  | 43    | 1986     | 4.22     | ug/l # | 80       |
| 29) Tetrahydrofuran         | 5.032  | 42    | 7756     | 17.12    | ug/l   | 88       |
| 30) Chloroform              | 5.111  | 83    | 5487     | 3.19     | ug/l   | 91       |
| 49) 1,4-Dioxane             | 7.671  | 88    | 3502     | 142.69   | ug/l   | 95       |
| -----                       |        |       |          |          |        |          |

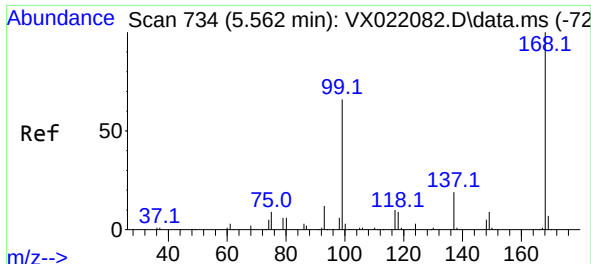
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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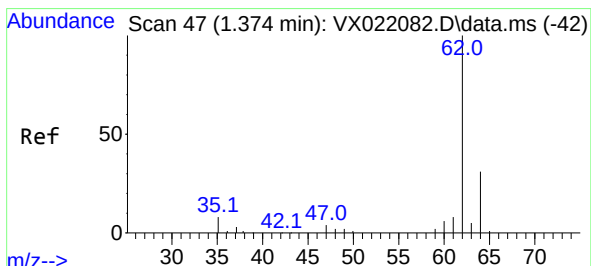
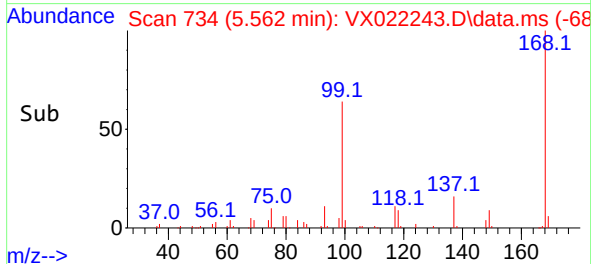
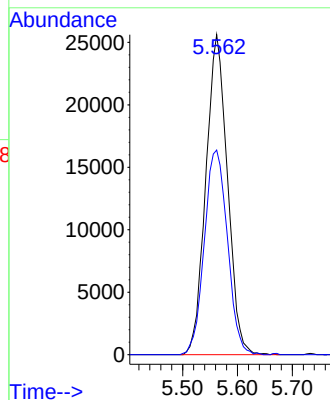
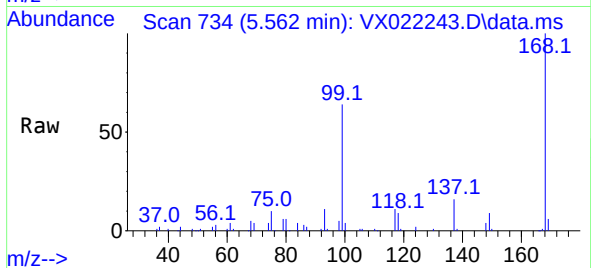




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. -0.000 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

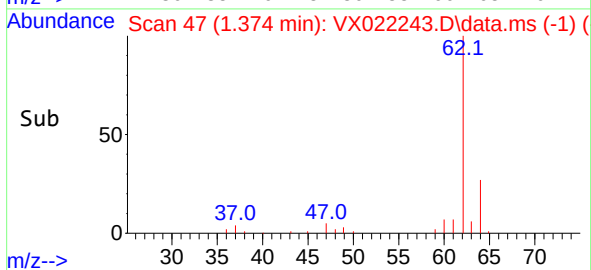
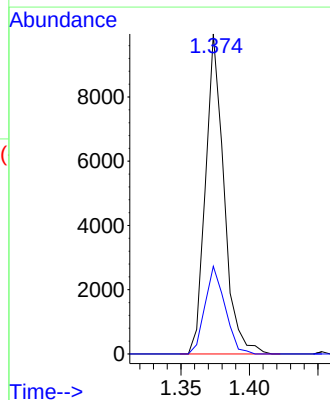
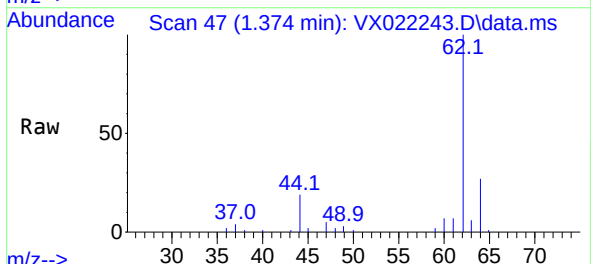
Instrument :  
MSVOA\_X  
ClientSampleId :  
PILOT-PLANT-PROCESS-BLEED

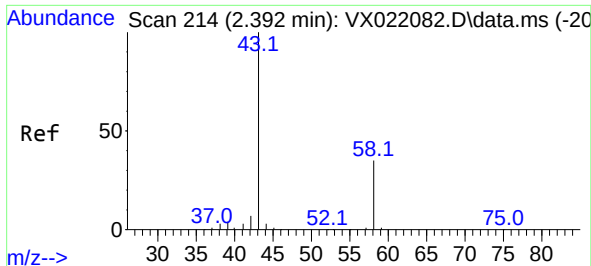
Tgt Ion:168 Resp: 70031  
Ion Ratio Lower Upper  
168 100  
99 64.0 45.8 68.6



#4  
Vinyl Chloride  
Concen: 9.64 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

Tgt Ion: 62 Resp: 9364  
Ion Ratio Lower Upper  
62 100  
64 27.4 25.7 38.5

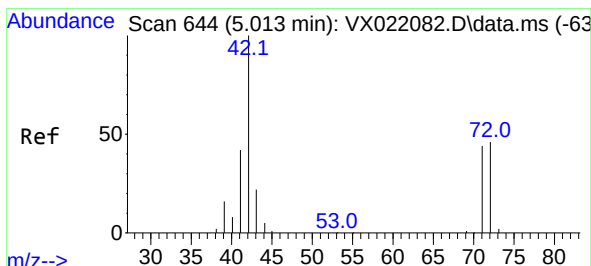
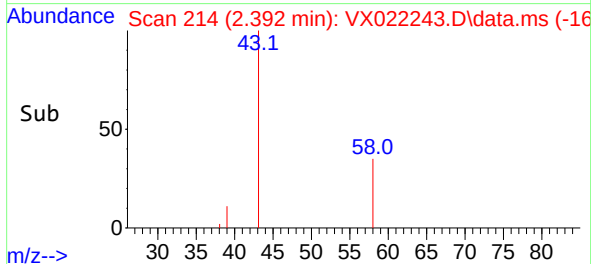
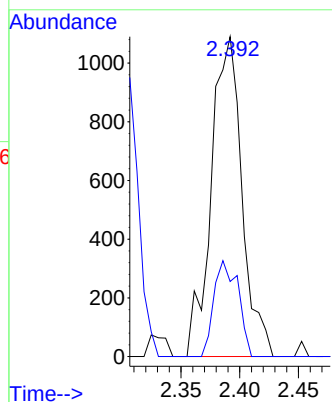
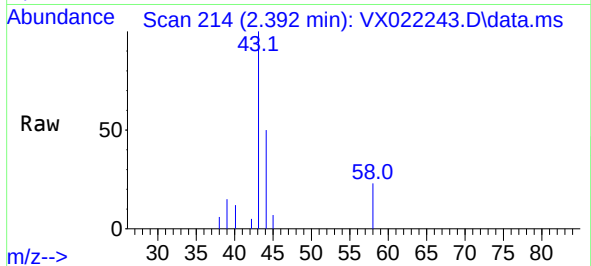




#16  
Acetone  
Concen: 4.22 ug/l  
RT: 2.392 min Scan# 214  
Delta R.T. -0.000 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

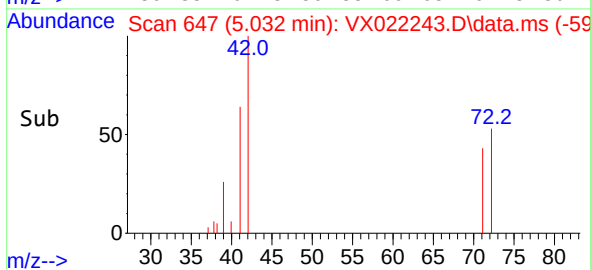
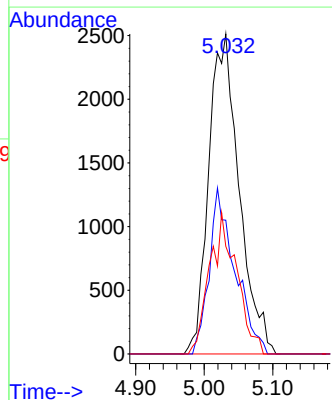
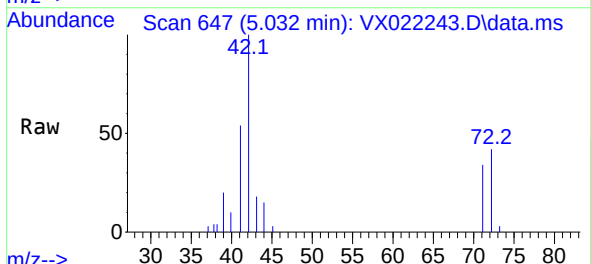
Instrument :  
MSVOA\_X  
ClientSampleId :  
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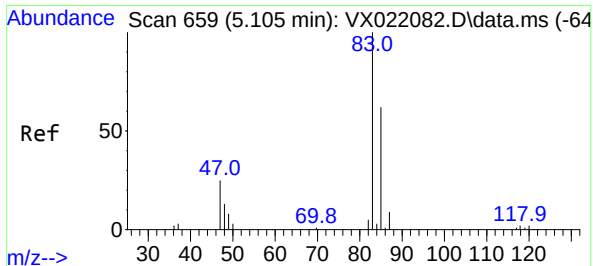
Tgt Ion: 43 Resp: 1986  
Ion Ratio Lower Upper  
43 100  
58 23.5 27.8 41.8#



#29  
Tetrahydrofuran  
Concen: 17.12 ug/l  
RT: 5.032 min Scan# 647  
Delta R.T. 0.019 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

Tgt Ion: 42 Resp: 7756  
Ion Ratio Lower Upper  
42 100  
72 44.0 41.7 62.5  
71 39.4 38.4 57.6





#30

Chloroform

Concen: 3.19 ug/l

RT: 5.111 min Scan# 660

Delta R.T. 0.006 min

Lab File: VX022243.D

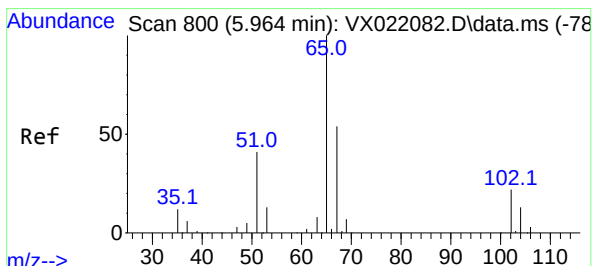
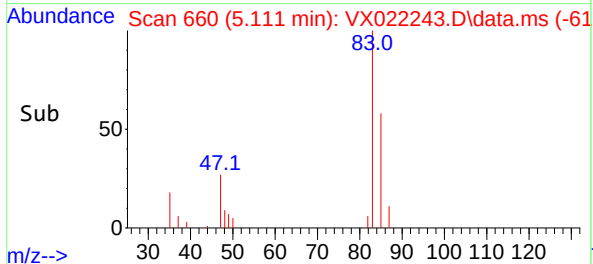
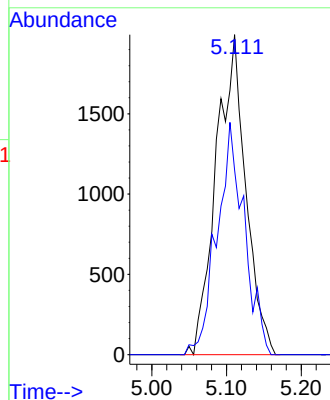
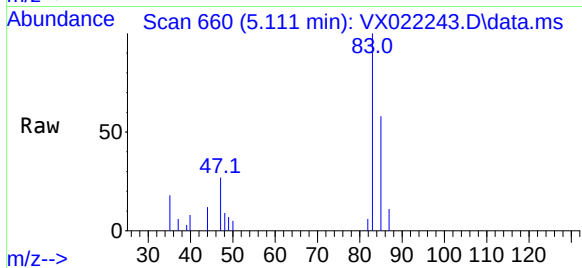
Acq: 27 May 2021 19:24

Tgt Ion: 83 Resp: 5487

Ion Ratio Lower Upper

83 100

85 57.7 52.0 78.0



#33

1,2-Dichloroethane-d4

Concen: 53.62 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX022243.D

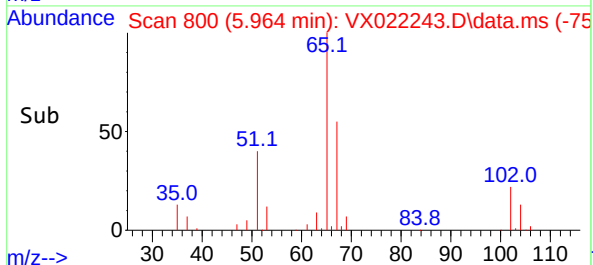
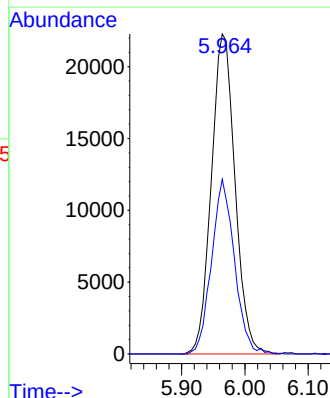
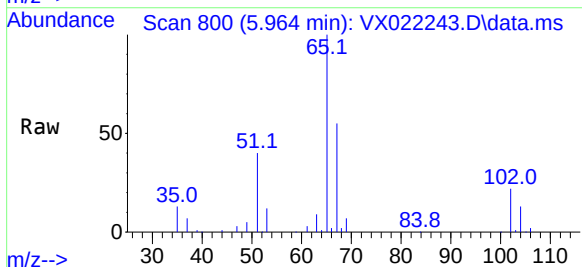
Acq: 27 May 2021 19:24

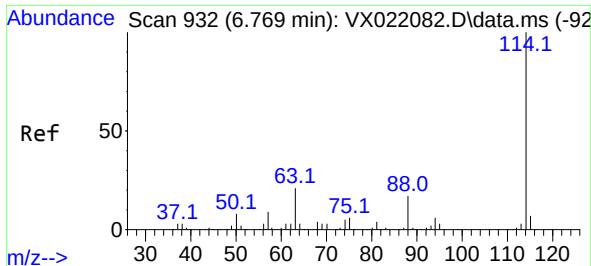
Tgt Ion: 65 Resp: 57921

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.4

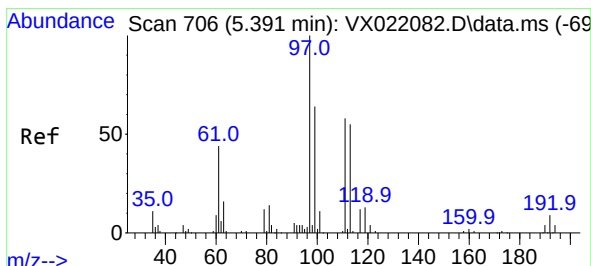
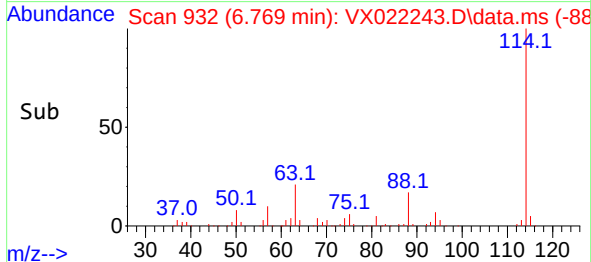
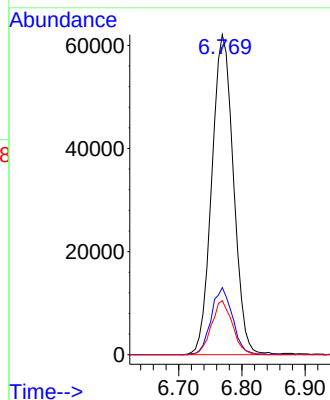
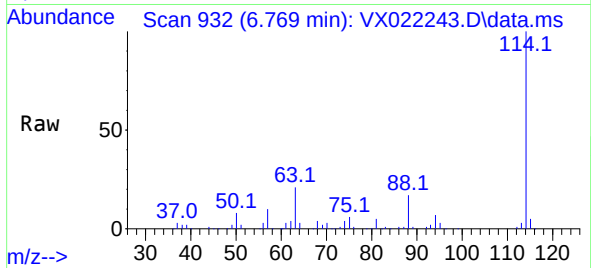




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

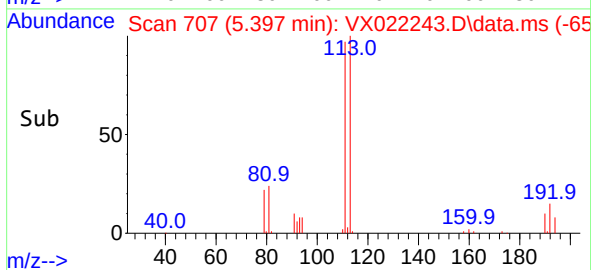
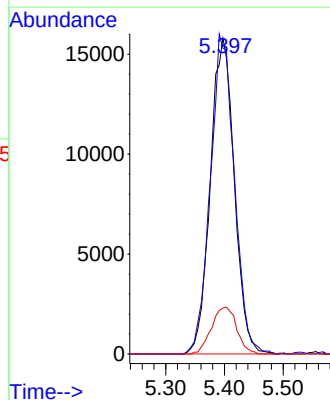
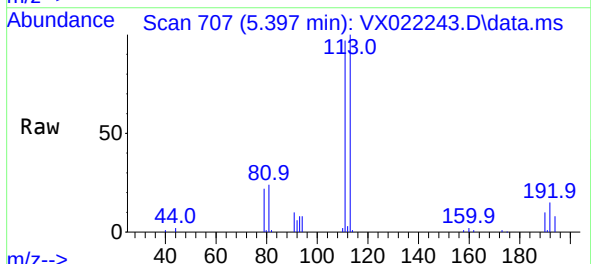
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PILOT-PLANT-PROCESS-BLEED

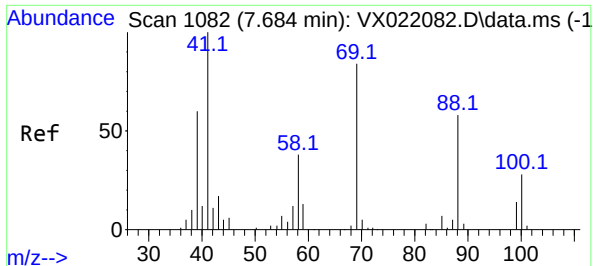
Tgt Ion:114 Resp: 147525  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 40.8  
88 16.9 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 47.86 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.006 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

Tgt Ion:113 Resp: 44779  
Ion Ratio Lower Upper  
113 100  
111 101.5 81.9 122.9  
192 15.6 16.7 25.1#





#49

1,4-Dioxane

Concen: 142.69 ug/l

RT: 7.671 min Scan# 1080

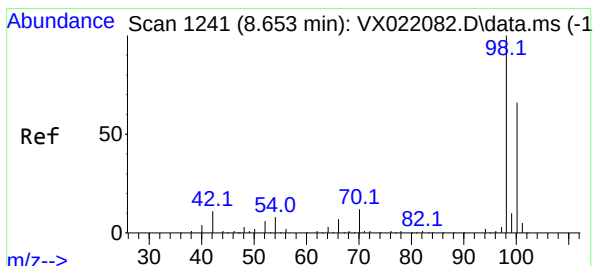
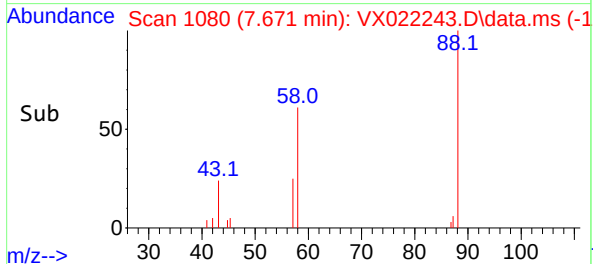
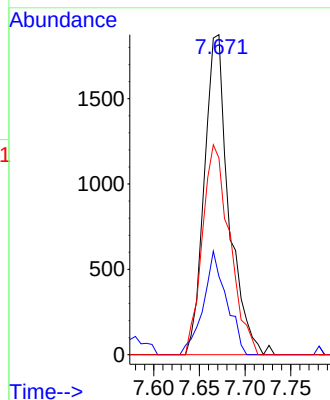
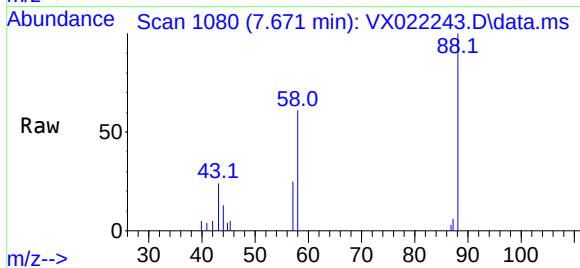
Delta R.T. -0.013 min

Lab File: VX022243.D

Acq: 27 May 2021 19:24

Tgt Ion: 88 Resp: 3502

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 88  | 100   |       |       |
| 43  | 30.5  | 23.2  | 34.8  |
| 58  | 73.3  | 55.0  | 82.4  |



#50

Toluene-d8

Concen: 49.97 ug/l

RT: 8.653 min Scan# 1241

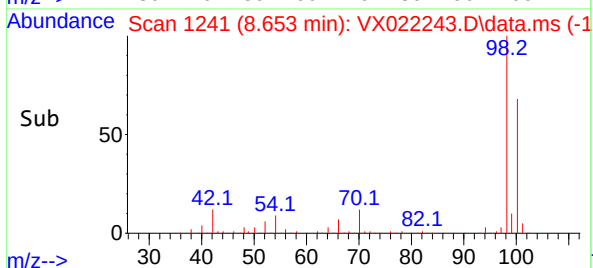
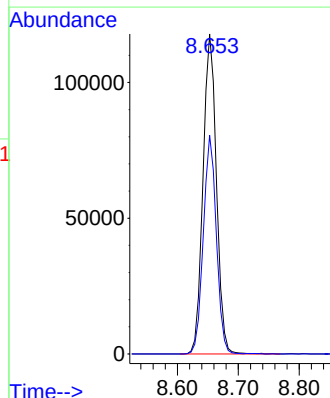
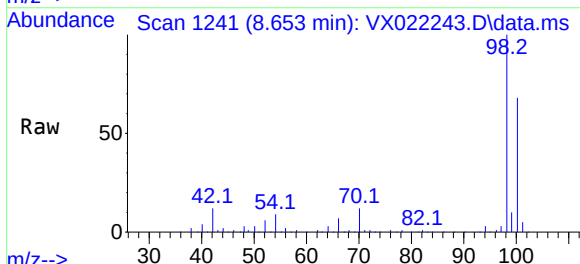
Delta R.T. -0.000 min

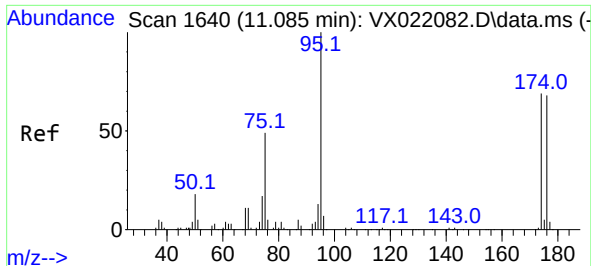
Lab File: VX022243.D

Acq: 27 May 2021 19:24

Tgt Ion: 98 Resp: 180074

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 66.4  | 51.9  | 77.9  |

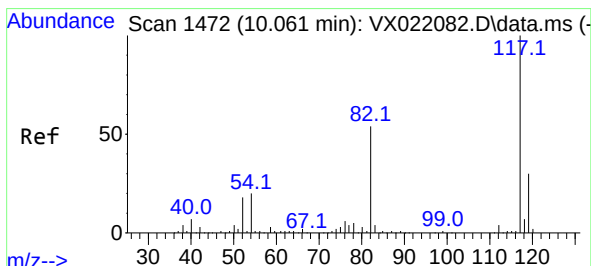
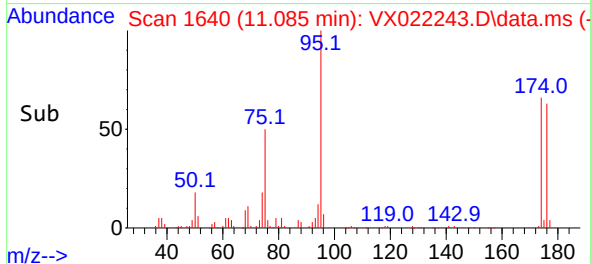
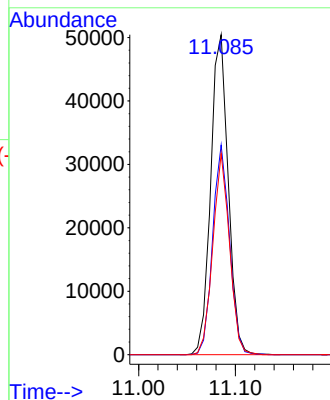
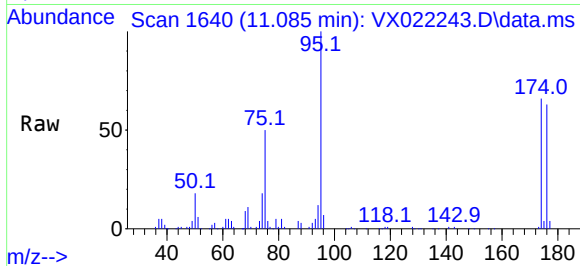




#62  
4-Bromofluorobenzene  
Concen: 47.76 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

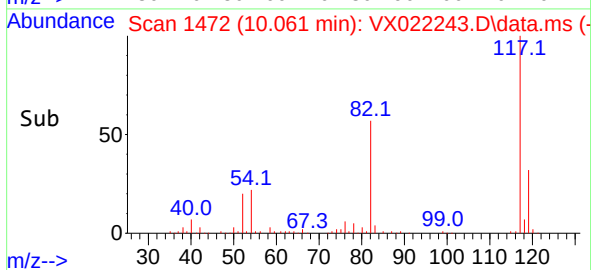
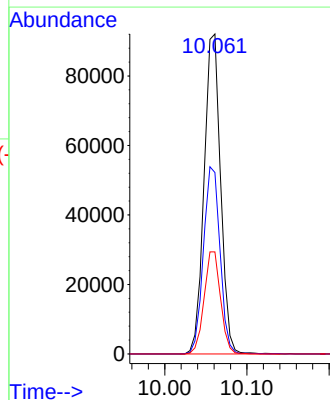
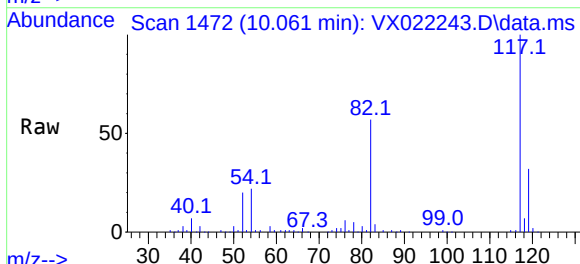
Instrument :  
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Tgt Ion: 95 Resp: 63616  
Ion Ratio Lower Upper  
95 100  
174 63.0 0.0 154.6  
176 59.8 0.0 155.8

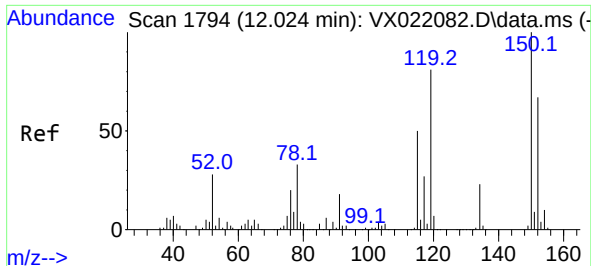


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.061 min Scan# 1472  
Delta R.T. 0.000 min  
Lab File: VX022243.D  
Acq: 27 May 2021 19:24

Tgt Ion: 117 Resp: 128776  
Ion Ratio Lower Upper  
117 100  
82 56.7 47.4 71.2  
119 31.9 26.6 39.8







#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.00 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX022243.D  
 Acq: 27 May 2021 19:24

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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Tgt Ion:152 Resp: 50861  
 Ion Ratio Lower Upper  
 152 100  
 115 69.2 41.1 123.3  
 150 159.5 0.0 349.0

