

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX100421\  
 Data File : VX024545.D  
 Acq On : 05 Oct 2021 02:08  
 Operator : JC/MD  
 Sample : PB139556ZHE#02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB139556ZHE#02

Quant Time: Oct 05 08:34:18 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X092321W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Sep 23 18:24:34 2021  
 Response via : Initial Calibration

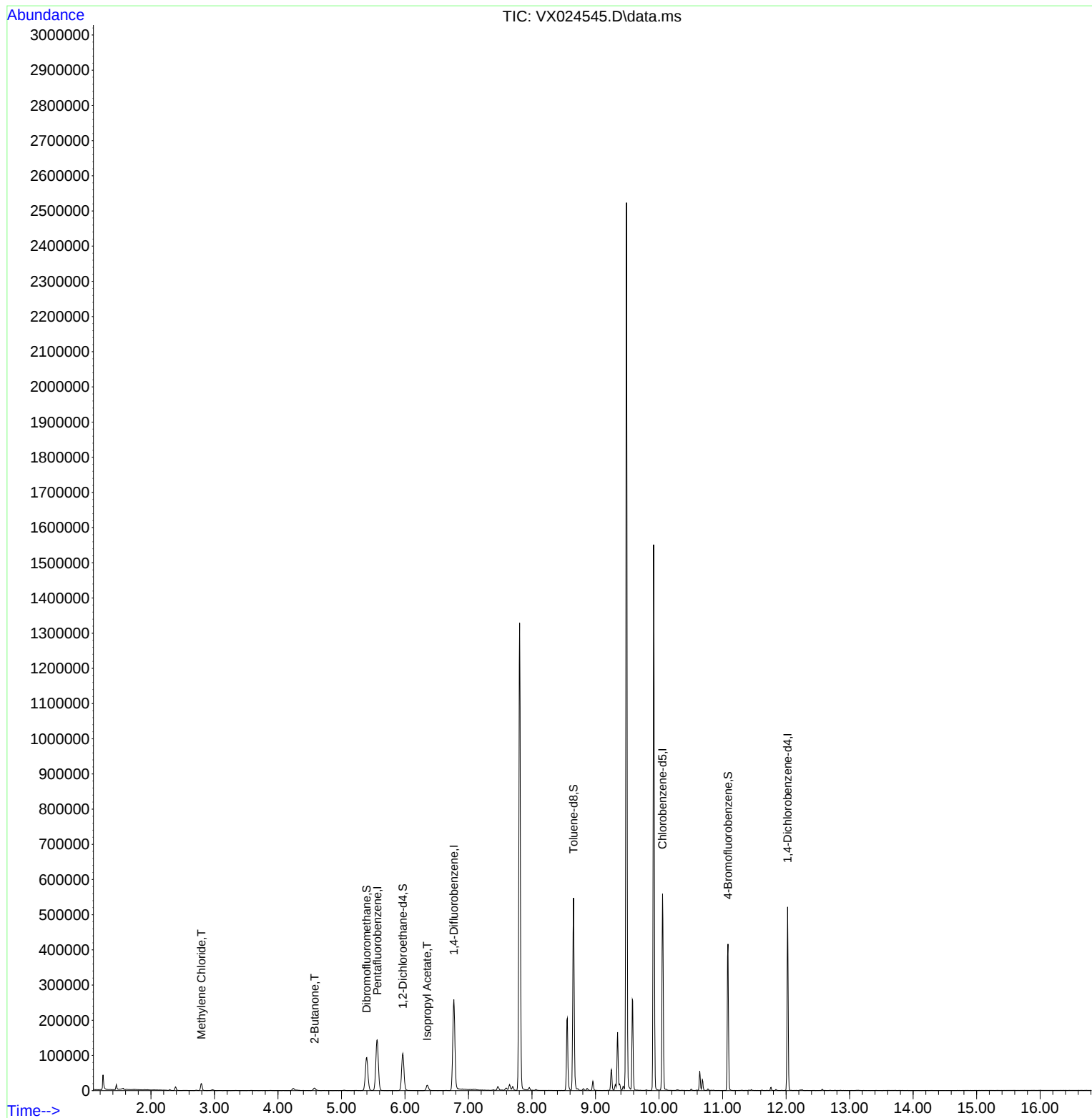
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.562  | 168   | 135071   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.769  | 114   | 258467   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 251147   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 102766   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.964  | 65    | 106459   | 55.92    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =      | 111.84%  |
| 35) Dibromofluoromethane    | 5.397  | 113   | 79173    | 46.11    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 92.22%   |
| 50) Toluene-d8              | 8.653  | 98    | 305658   | 48.37    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =      | 96.74%   |
| 62) 4-Bromofluorobenzene    | 11.085 | 95    | 110378   | 44.42    | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =      | 88.84%   |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          |        | Qvalue   |
| 20) Methylene Chloride      | 2.794  | 84    | 8590     | 5.00     | ug/l   | 91       |
| 25) 2-Butanone              | 4.574  | 43    | 12927    | 9.86     | ug/l # | 87       |
| 43) Isopropyl Acetate       | 6.348  | 43    | 20840    | 4.43     | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

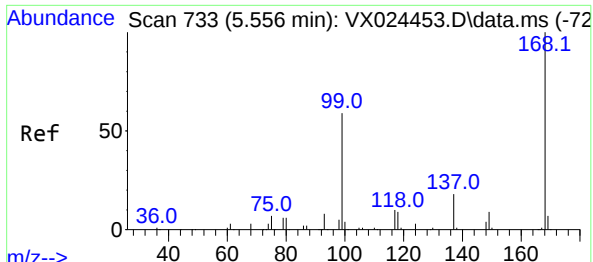
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
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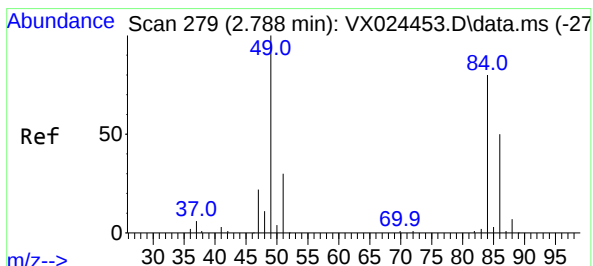
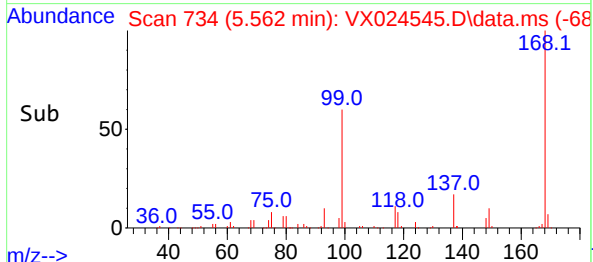
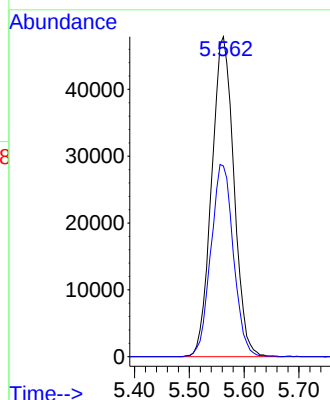
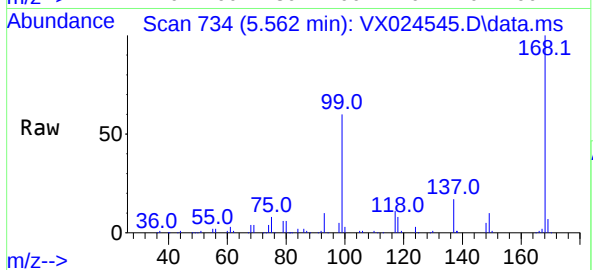




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.006 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

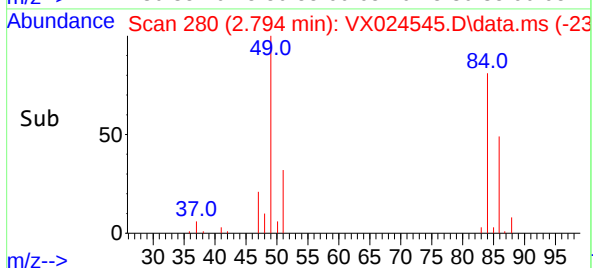
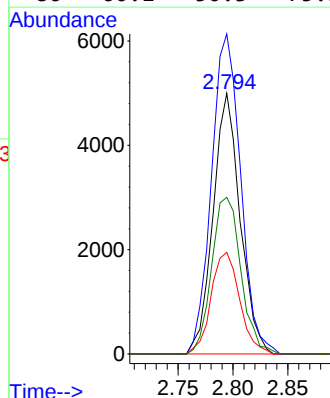
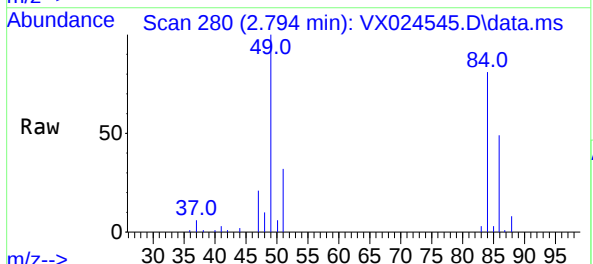
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB139556ZHE#02

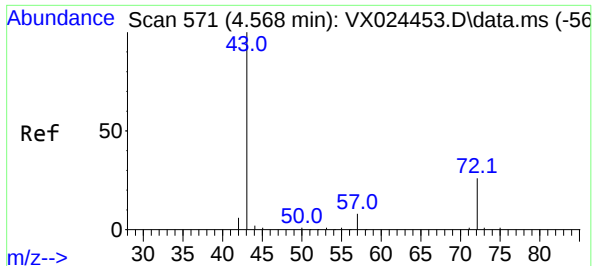
Tgt Ion:168 Resp: 135071  
Ion Ratio Lower Upper  
168 100  
99 59.6 45.8 68.6



#20  
Methylene Chloride  
Concen: 5.00 ug/l  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

Tgt Ion: 84 Resp: 8590  
Ion Ratio Lower Upper  
84 100  
49 122.8 88.6 132.8  
51 39.0 27.0 40.6  
86 60.1 50.3 75.5

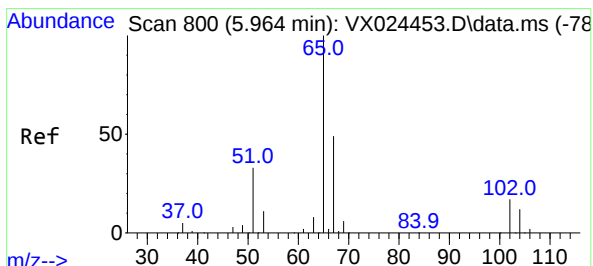
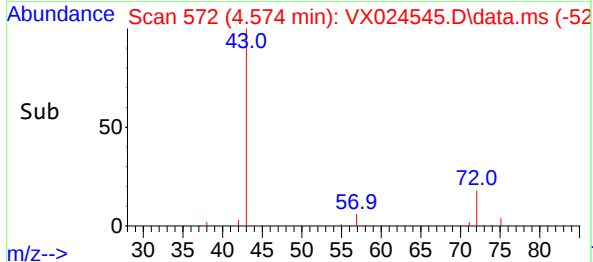
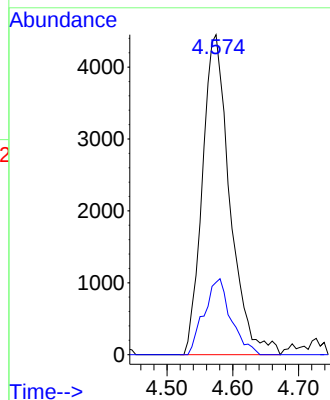
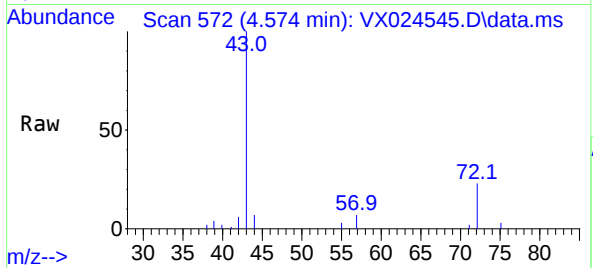




#25  
2-Butanone  
Concen: 9.86 ug/l  
RT: 4.574 min Scan# 572  
Delta R.T. 0.006 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

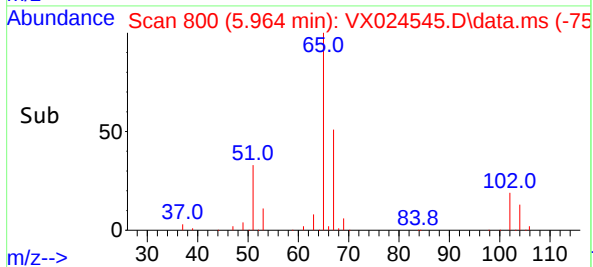
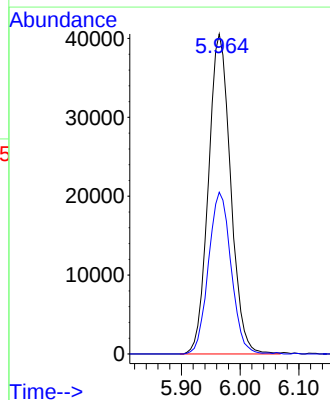
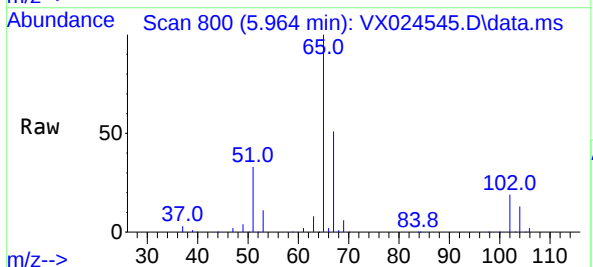
Instrument :  
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ClientSampleId :  
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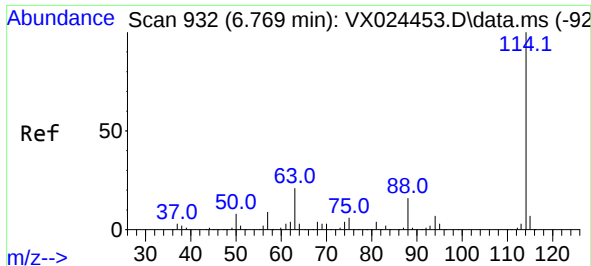
Tgt Ion: 43 Resp: 12927  
Ion Ratio Lower Upper  
43 100  
72 22.6 23.7 35.5#



#33  
1,2-Dichloroethane-d4  
Concen: 55.92 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. 0.000 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

Tgt Ion: 65 Resp: 106459  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 105.4

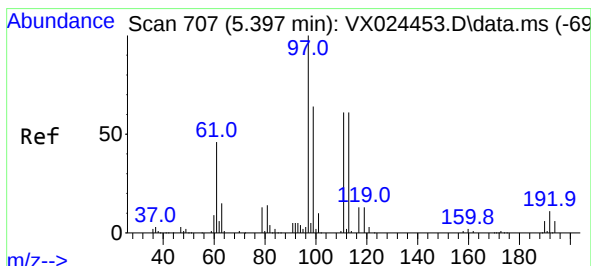
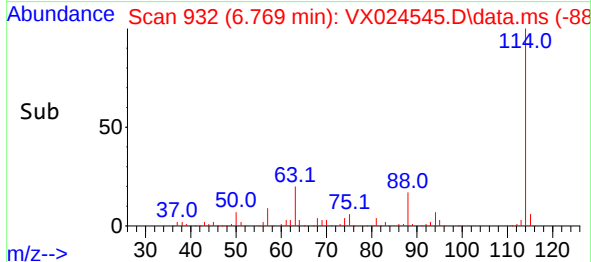
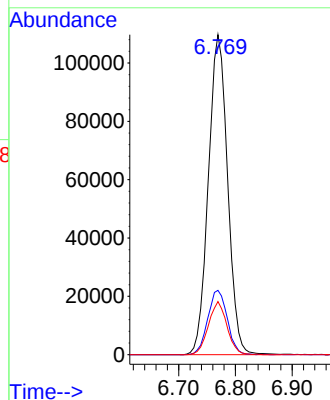
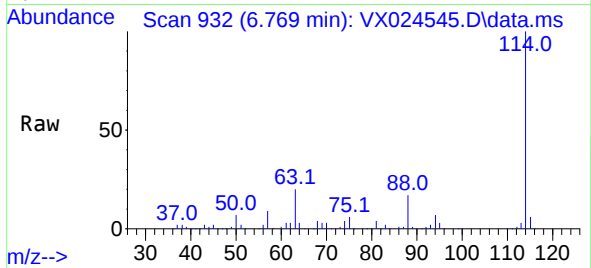




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

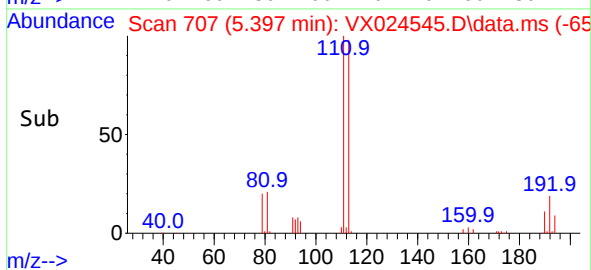
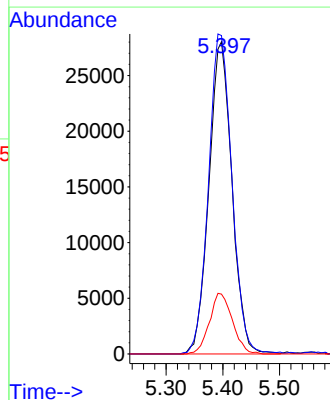
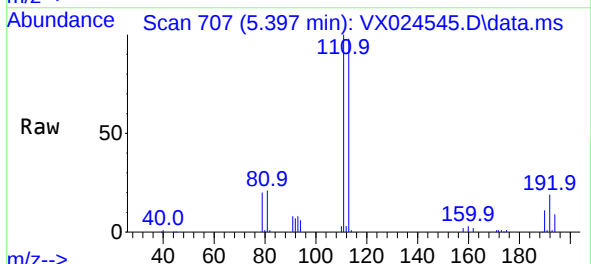
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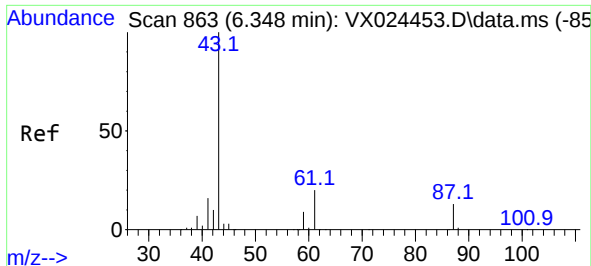
Tgt Ion:114 Resp: 258467  
Ion Ratio Lower Upper  
114 100  
63 20.1 0.0 40.8  
88 16.6 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 46.11 ug/l  
RT: 5.397 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

Tgt Ion:113 Resp: 79173  
Ion Ratio Lower Upper  
113 100  
111 104.1 81.9 122.9  
192 19.3 16.7 25.1



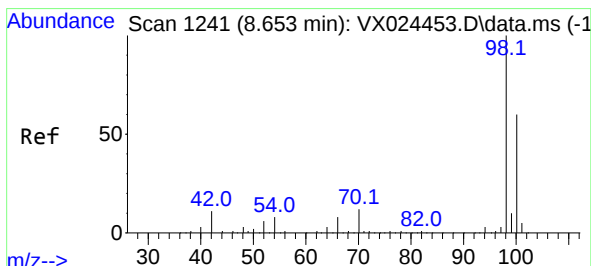
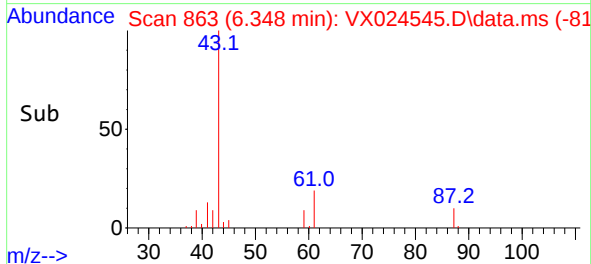
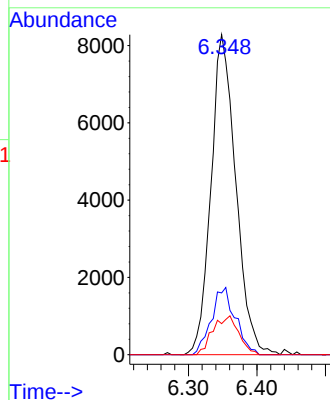
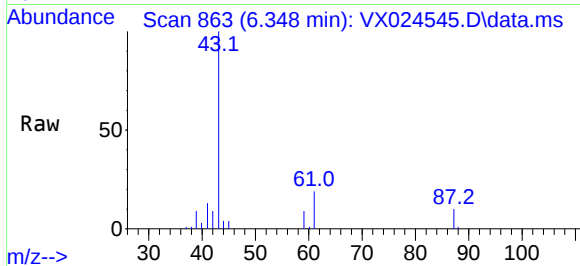


#43  
Isopropyl Acetate  
Concen: 4.43 ug/l  
RT: 6.348 min Scan# 863  
Delta R.T. 0.000 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB139556ZHE#02

Tgt Ion: 43 Resp: 20840

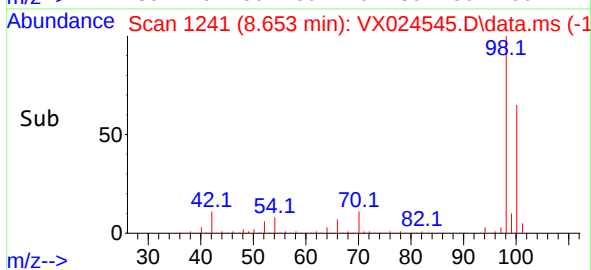
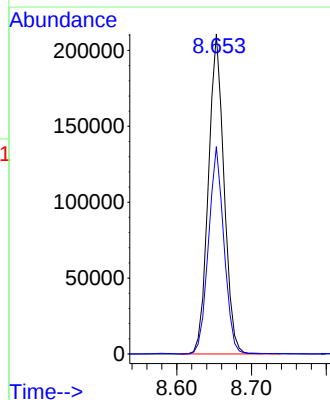
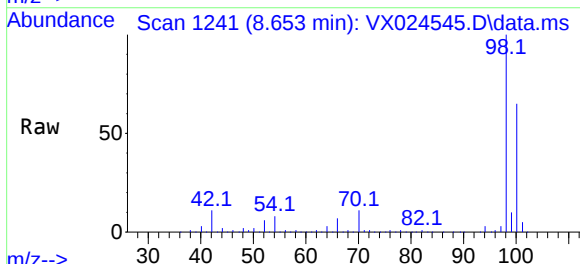
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 20.4  | 18.2  | 27.4  |
| 87  | 12.6  | 12.5  | 18.7  |

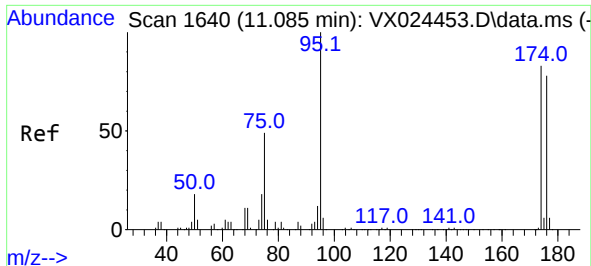


#50  
Toluene-d8  
Concen: 48.37 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. -0.000 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

Tgt Ion: 98 Resp: 305658

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.0  | 51.9  | 77.9  |

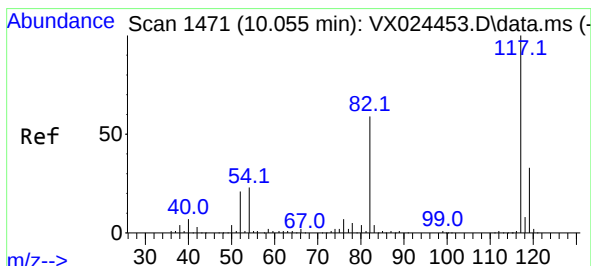
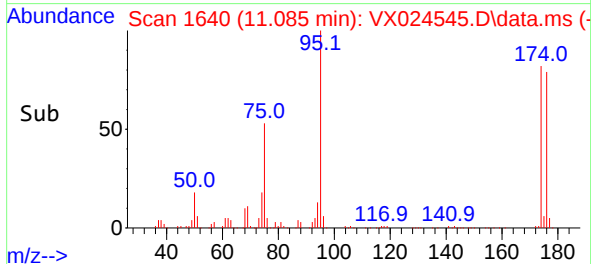
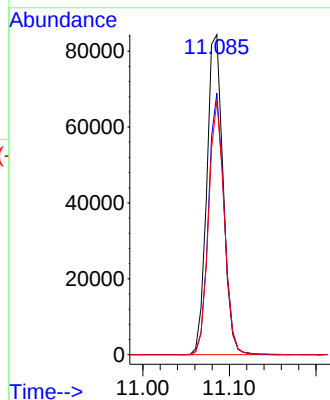
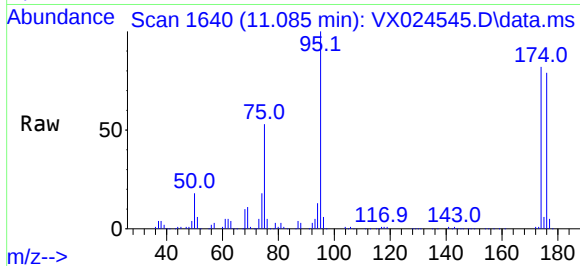




#62  
4-Bromofluorobenzene  
Concen: 44.42 ug/l  
RT: 11.085 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

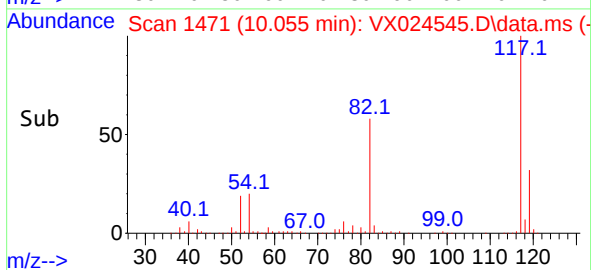
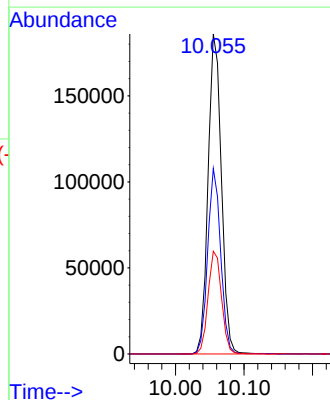
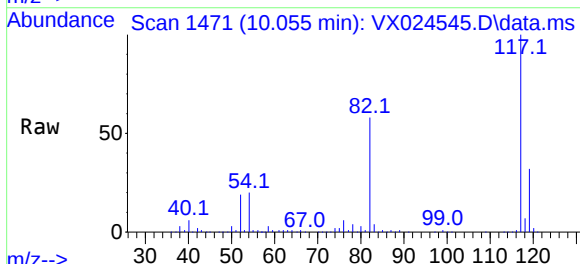
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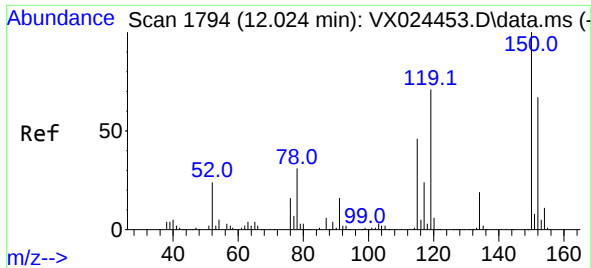
Tgt Ion: 95 Resp: 110378  
Ion Ratio Lower Upper  
95 100  
174 78.4 0.0 154.6  
176 75.9 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.000 min  
Lab File: VX024545.D  
Acq: 05 Oct 2021 02:08

Tgt Ion: 117 Resp: 251147  
Ion Ratio Lower Upper  
117 100  
82 57.9 47.4 71.2  
119 32.1 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: VX024545.D  
 Acq: 05 Oct 2021 02:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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Tgt Ion:152 Resp: 102766  
 Ion Ratio Lower Upper  
 152 100  
 115 61.4 41.1 123.3  
 150 158.2 0.0 349.0

