

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX091721\  
 Data File : VX024339.D  
 Acq On : 18 Sep 2021 04:08  
 Operator : JC/MD  
 Sample : M3782-16  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE139D1-20210915

Quant Time: Sep 20 02:45:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 14 12:18:04 2021  
 Response via : Initial Calibration

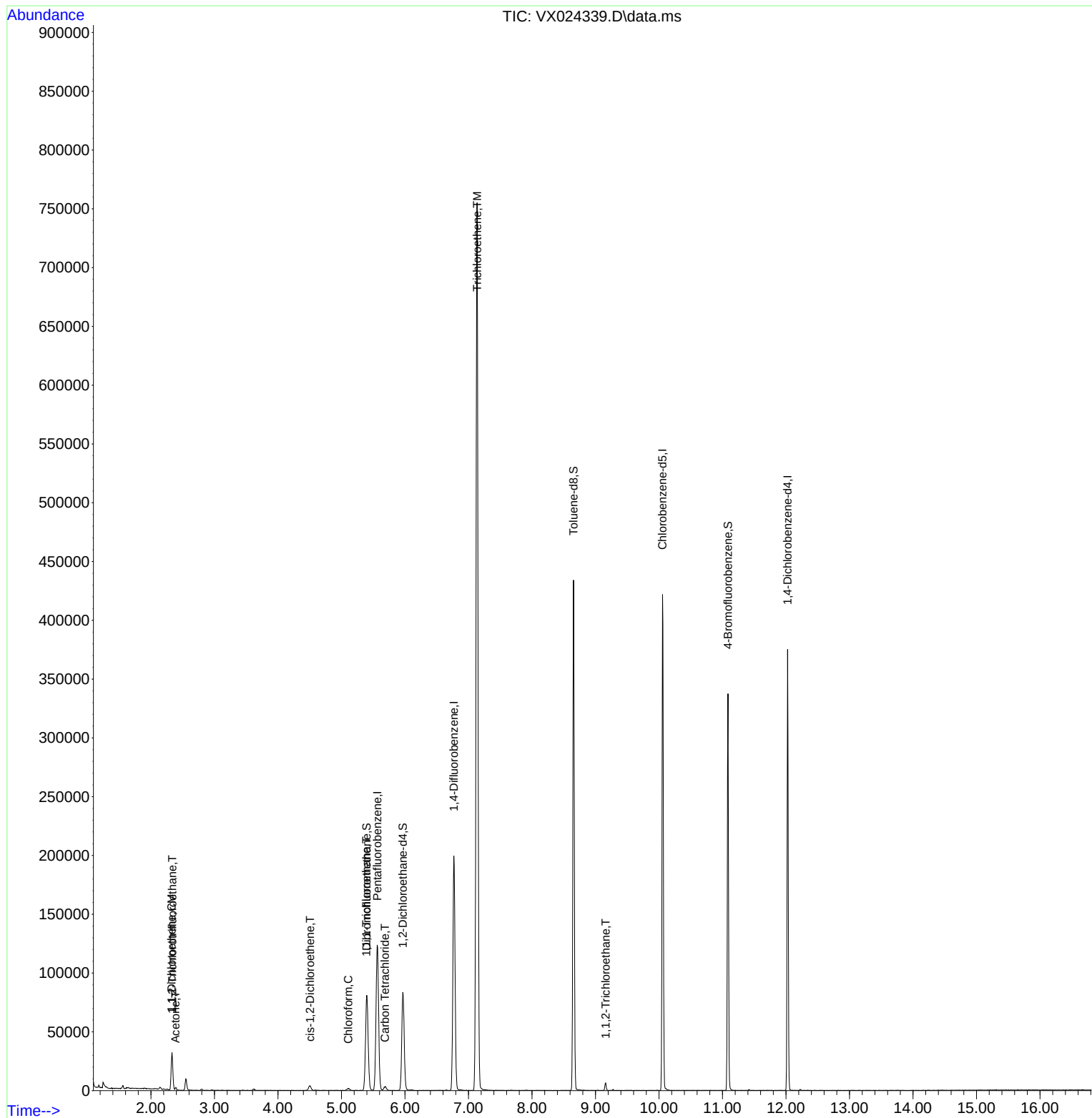
| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.562     | 168   | 114539   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.769     | 114   | 195937   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055    | 117   | 185328   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024    | 152   | 72736    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.964     | 65    | 83992    | 51.425   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 78 - 117 | Recovery | = 102.860% |          |
| 35) Dibromofluoromethane     | 5.398     | 113   | 67374    | 51.273   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | = 102.540% |          |
| 50) Toluene-d8               | 8.653     | 98    | 242279   | 50.612   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 92 - 112 | Recovery | = 101.220% |          |
| 62) 4-Bromofluorobenzene     | 11.086    | 95    | 82429    | 44.247   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 83 - 123 | Recovery | = 88.500%  |          |
| Target Compounds             |           |       |          |          |            |          |
|                              |           |       |          |          | Qvalue     |          |
| 9) 1,1,2-Trichlorotrifluo... | 2.337     | 101   | 7884     | 6.992    | ug/l       | 92       |
| 12) 1,1-Dichloroethene       | 2.325     | 96    | 4258     | 4.032    | ug/l       | 84       |
| 16) Acetone                  | 2.386     | 43    | 2413     | 3.465    | ug/l       | 96       |
| 27) cis-1,2-Dichloroethene   | 4.507     | 96    | 2768     | 2.073    | ug/l       | 88       |
| 30) Chloroform               | 5.105     | 83    | 2349     | 0.999    | ug/l #     | 72       |
| 32) 1,1,1-Trichloroethane    | 5.391     | 97    | 645      | 0.306    | ug/l #     | 46       |
| 38) Carbon Tetrachloride     | 5.684     | 117   | 2723     | 1.343    | ug/l #     | 89       |
| 44) Trichloroethene          | 7.135     | 130   | 278961   | 192.161  | ug/l       | 99       |
| 55) 1,1,2-Trichloroethane    | 9.159     | 97    | 1690     | 1.172    | ug/l #     | 88       |
| -----                        |           |       |          |          |            |          |

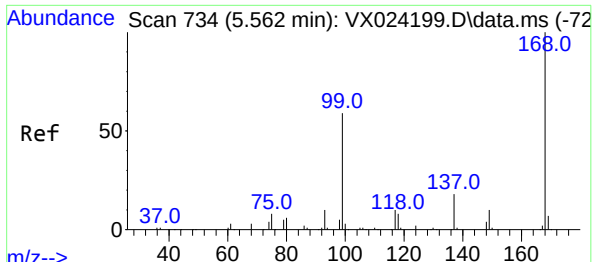
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X091421W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 14 12:18:04 2021  
Response via : Initial Calibration

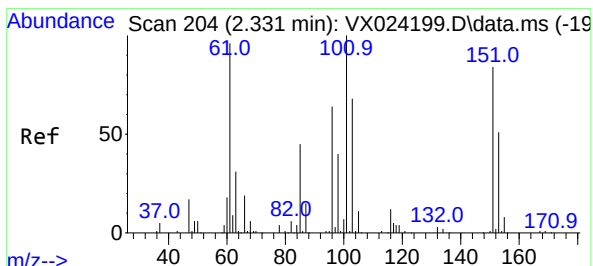
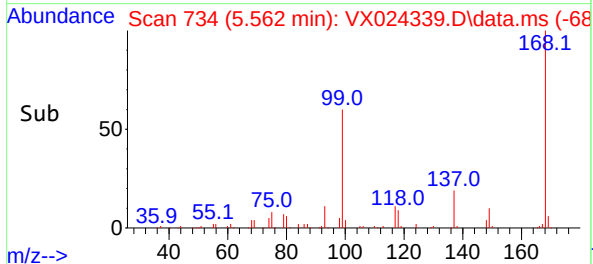
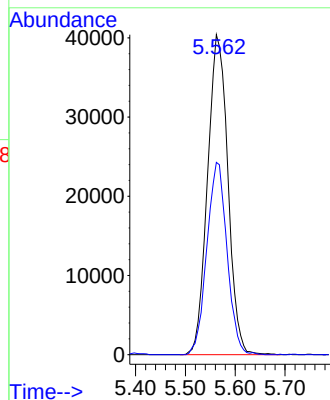
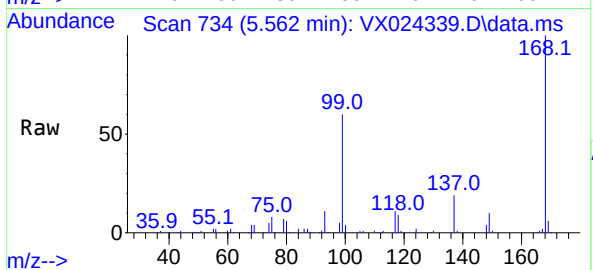




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.562 min Scan# 734  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

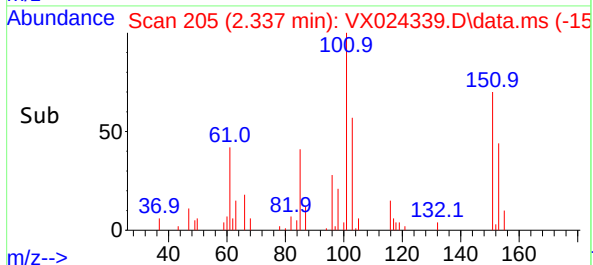
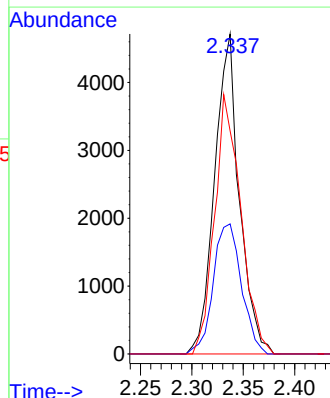
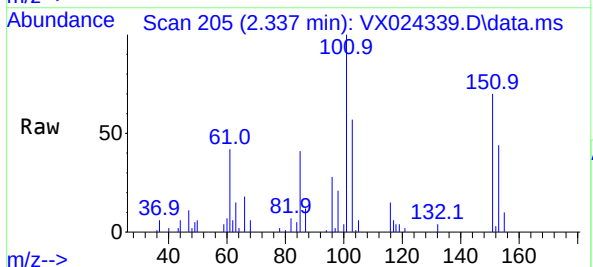
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20210915

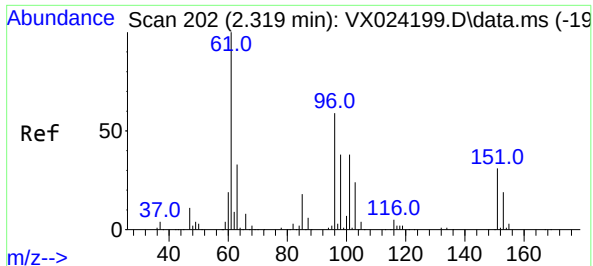
Tgt Ion:168 Resp: 114539  
Ion Ratio Lower Upper  
168 100  
99 60.1 45.8 68.6



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 6.992 ug/l  
RT: 2.337 min Scan# 205  
Delta R.T. 0.006 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Tgt Ion:101 Resp: 7884  
Ion Ratio Lower Upper  
101 100  
85 46.4 34.9 52.3  
151 86.1 61.4 92.2





#12

1,1-Dichloroethene

Concen: 4.032 ug/l

RT: 2.325 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX024339.D

Acq: 18 Sep 2021 04:08

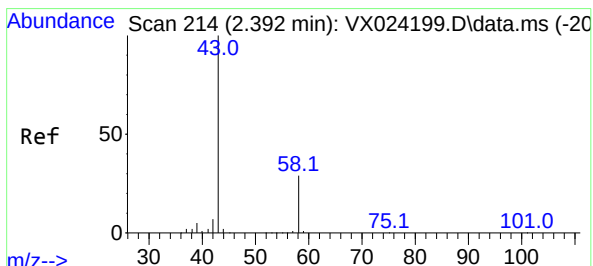
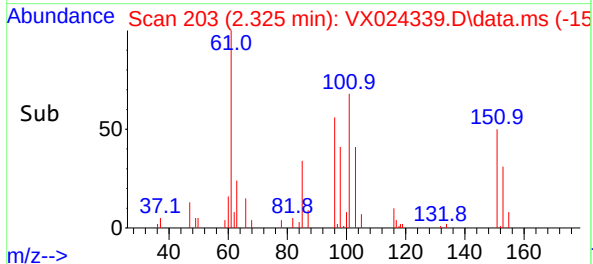
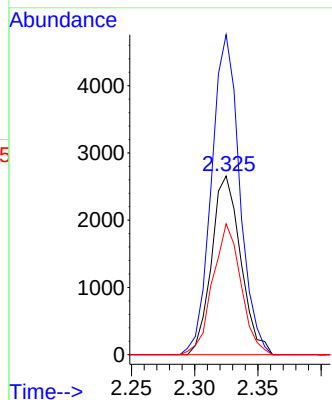
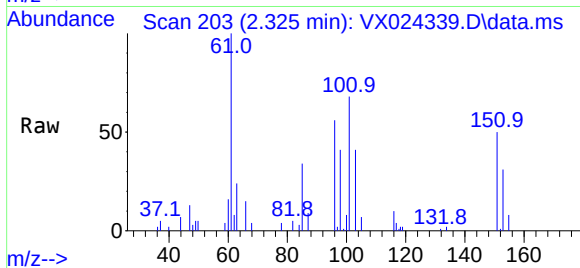
Tgt Ion: 96 Resp: 4258

Ion Ratio Lower Upper

96 100

61 179.1 124.6 187.0

98 73.2 50.6 76.0



#16

Acetone

Concen: 3.465 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX024339.D

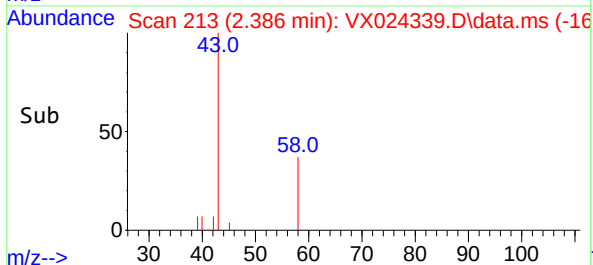
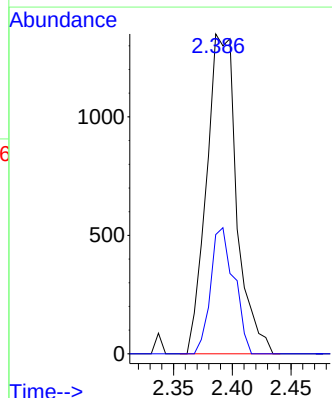
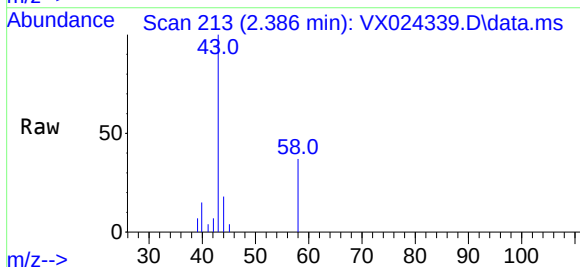
Acq: 18 Sep 2021 04:08

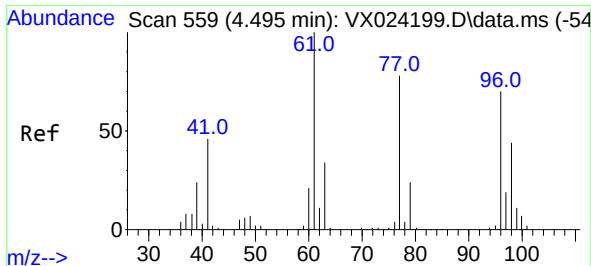
Tgt Ion: 43 Resp: 2413

Ion Ratio Lower Upper

43 100

58 37.3 27.8 41.8



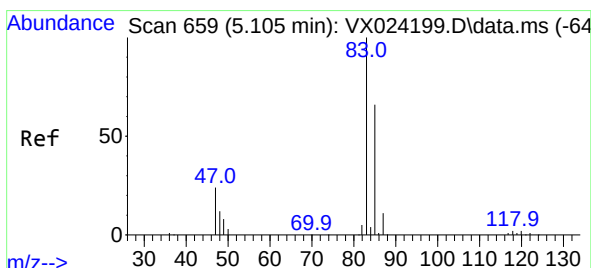
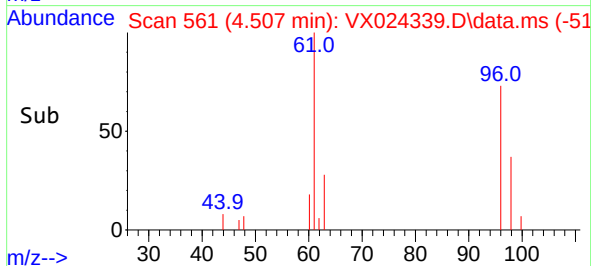
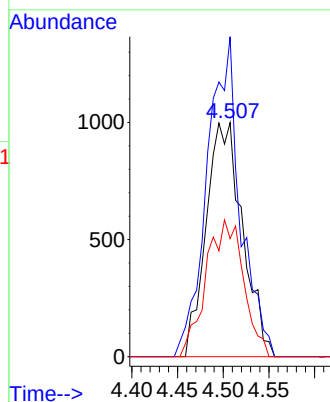
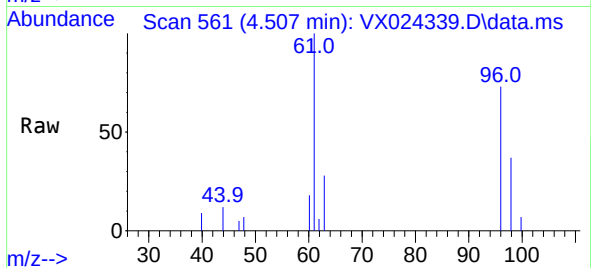


#27  
cis-1,2-Dichloroethene  
Concen: 2.073 ug/l  
RT: 4.507 min Scan# 561  
Delta R.T. 0.012 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20210915

Tgt Ion: 96 Resp: 2768

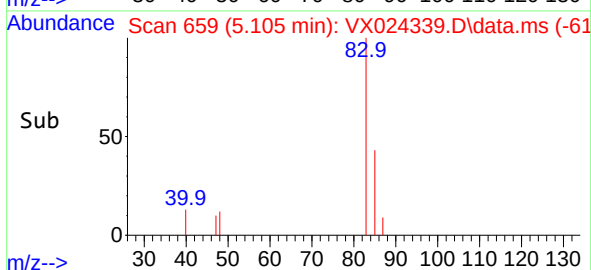
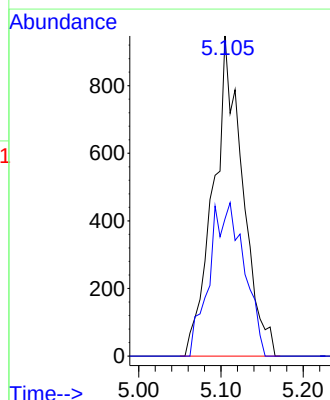
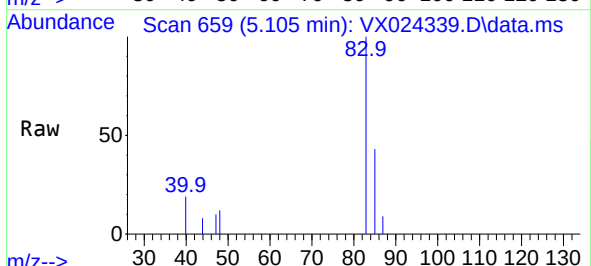
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 124.1 | 0.0   | 285.6 |
| 98  | 59.9  | 0.0   | 129.6 |

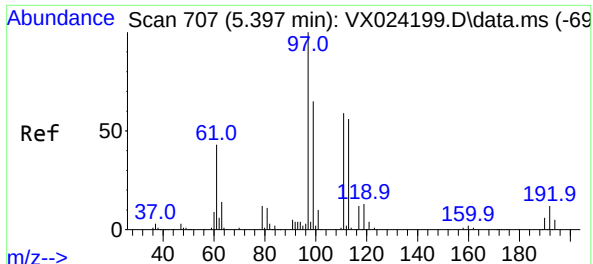


#30  
Chloroform  
Concen: 0.999 ug/l  
RT: 5.105 min Scan# 659  
Delta R.T. -0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Tgt Ion: 83 Resp: 2349

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 42.9  | 52.0  | 78.0# |

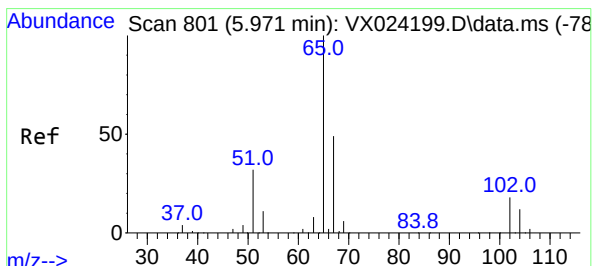
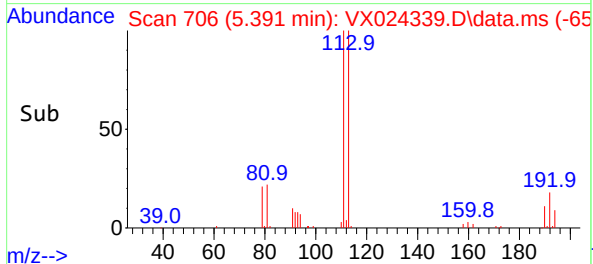
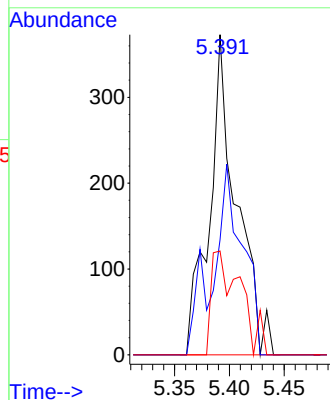
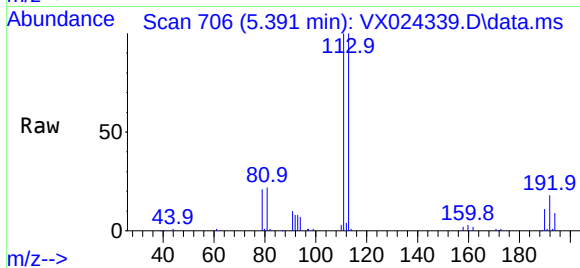




#32  
1,1,1-Trichloroethane  
Concen: 0.306 ug/l  
RT: 5.391 min Scan# 706  
Delta R.T. -0.006 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

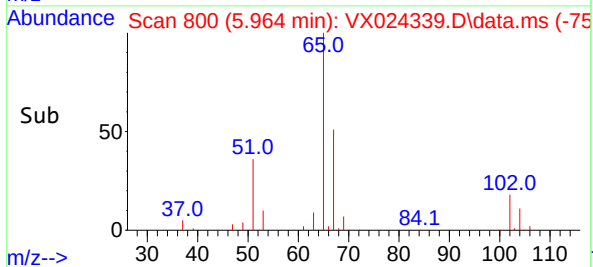
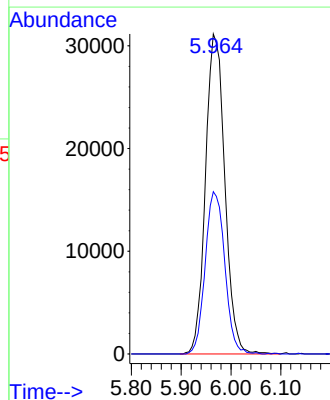
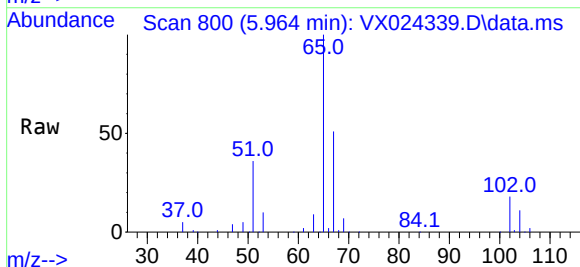
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20210915

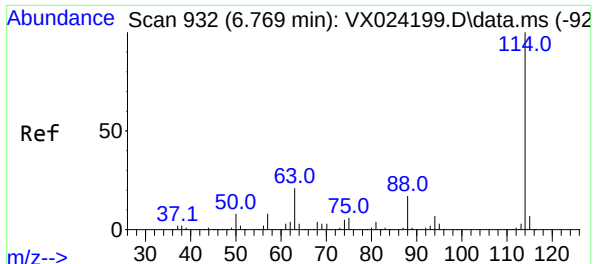
Tgt Ion: 97 Resp: 645  
Ion Ratio Lower Upper  
97 100  
99 0.0 51.5 77.3#  
61 34.6 34.2 51.4



#33  
1,2-Dichloroethane-d4  
Concen: 51.425 ug/l  
RT: 5.964 min Scan# 800  
Delta R.T. -0.007 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Tgt Ion: 65 Resp: 83992  
Ion Ratio Lower Upper  
65 100  
67 51.2 0.0 105.4

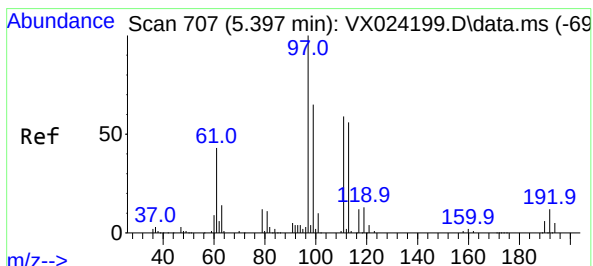
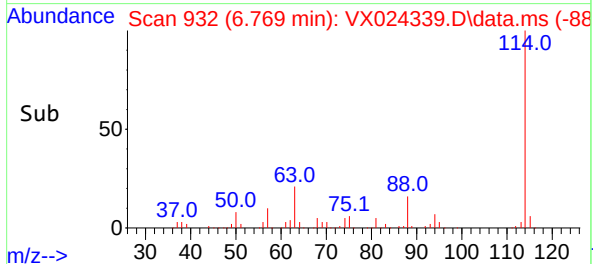
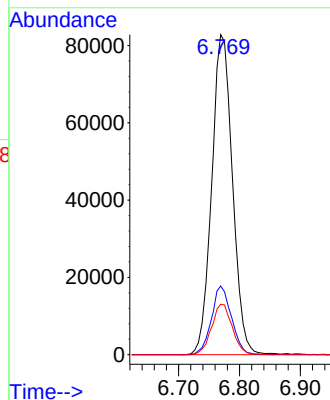
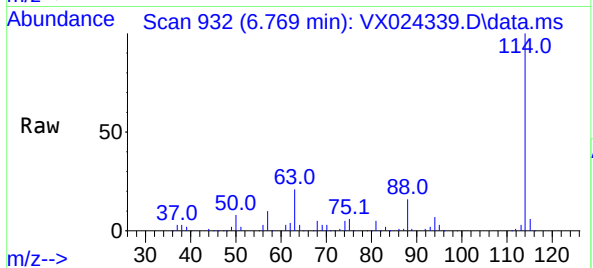




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.769 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

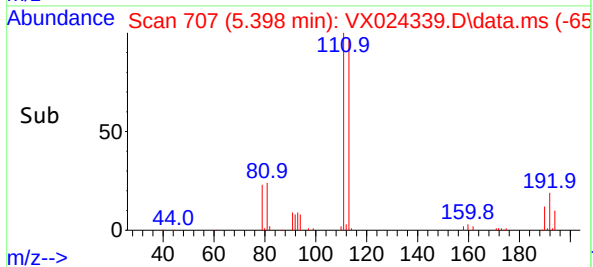
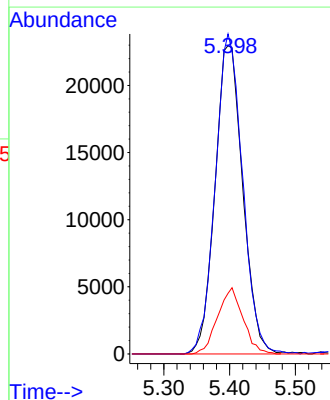
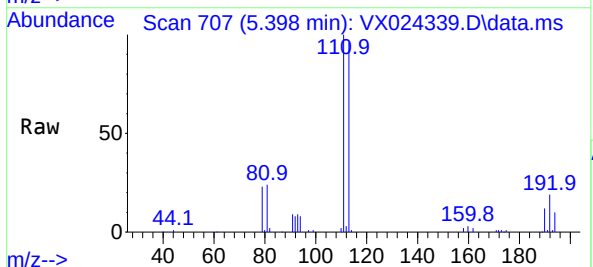
Instrument :  
MSVOA\_X  
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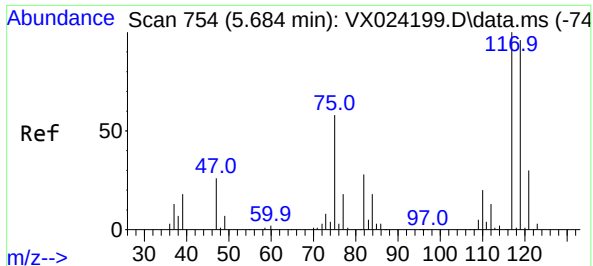
Tgt Ion:114 Resp: 195937  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 40.8  
88 15.7 0.0 32.8



#35  
Dibromofluoromethane  
Concen: 51.273 ug/l  
RT: 5.398 min Scan# 707  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Tgt Ion:113 Resp: 67374  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.9 122.9  
192 19.7 16.7 25.1

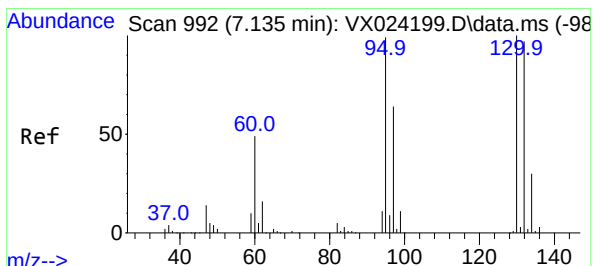
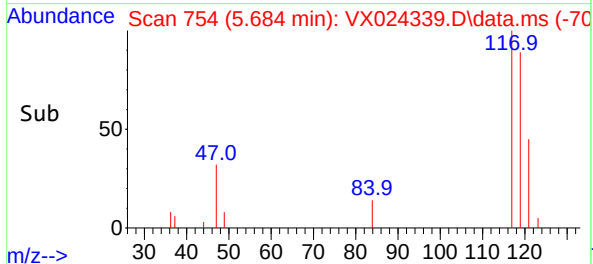
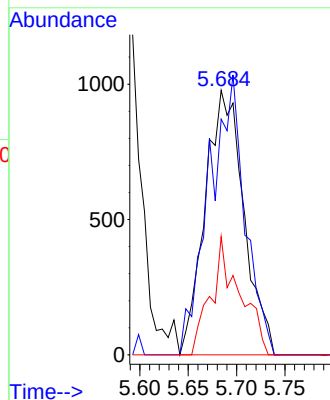
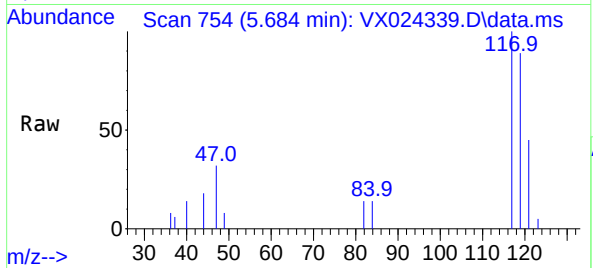




#38  
Carbon Tetrachloride  
Concen: 1.343 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

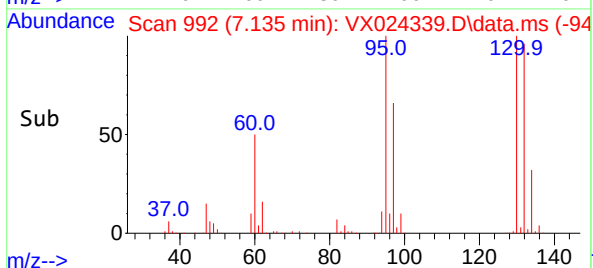
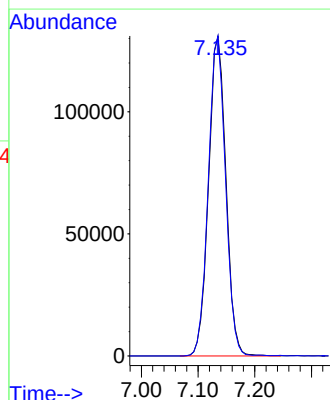
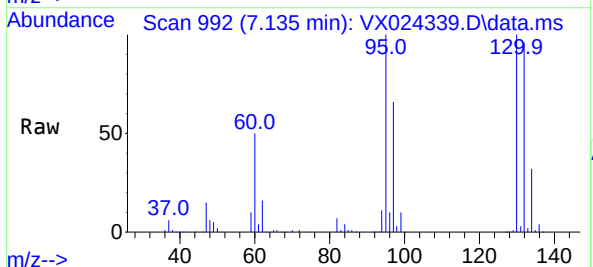
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20210915

Tgt Ion:117 Resp: 2723  
Ion Ratio Lower Upper  
117 100  
119 89.2 76.2 114.2  
121 44.7 24.8 37.2#

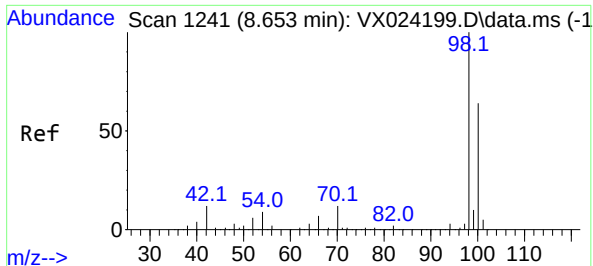


#44  
Trichloroethene  
Concen: 192.161 ug/l  
RT: 7.135 min Scan# 992  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Tgt Ion:130 Resp: 278961  
Ion Ratio Lower Upper  
130 100  
95 100.1 0.0 198.0



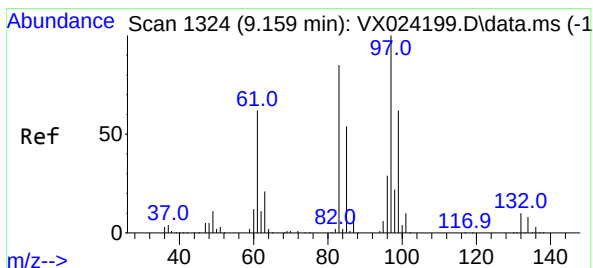
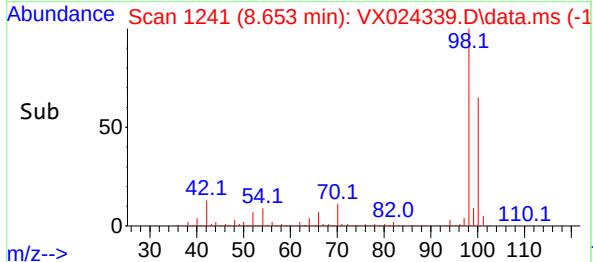
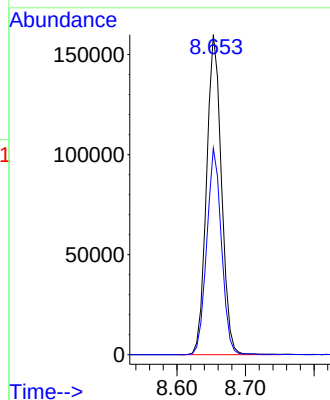
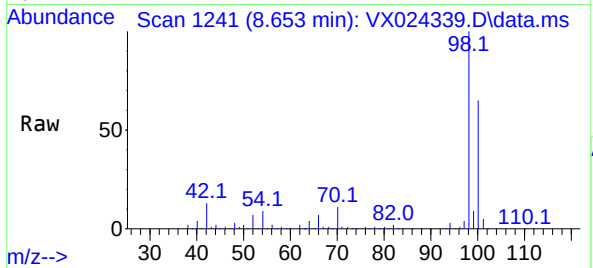




#50  
Toluene-d8  
Concen: 50.612 ug/l  
RT: 8.653 min Scan# 1241  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

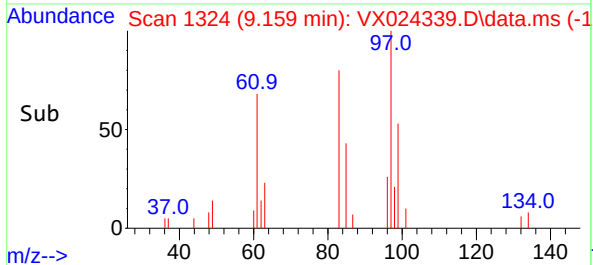
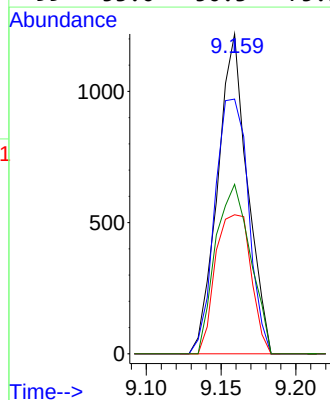
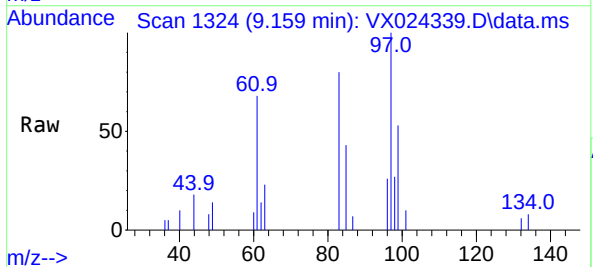
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20210915

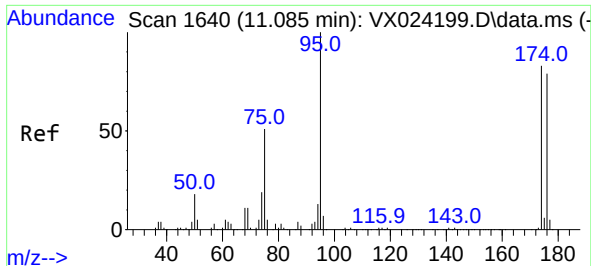
Tgt Ion: 98 Resp: 242279  
Ion Ratio Lower Upper  
98 100  
100 63.7 51.9 77.9



#55  
1,1,2-Trichloroethane  
Concen: 1.172 ug/l  
RT: 9.159 min Scan# 1324  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Tgt Ion: 97 Resp: 1690  
Ion Ratio Lower Upper  
97 100  
83 79.7 69.3 103.9  
85 43.5 44.3 66.5#  
99 53.0 50.3 75.5

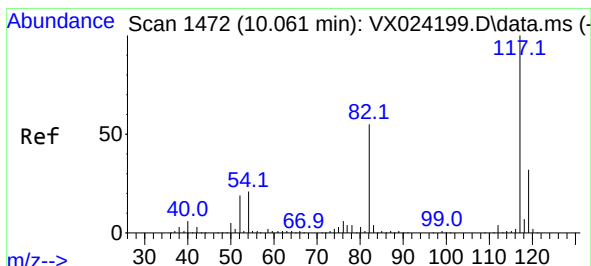
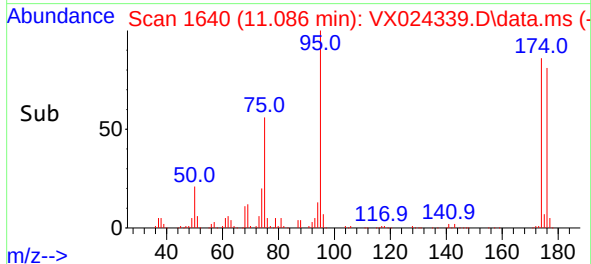
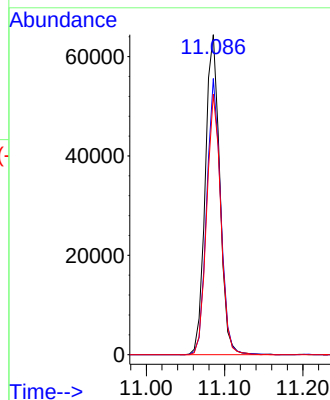
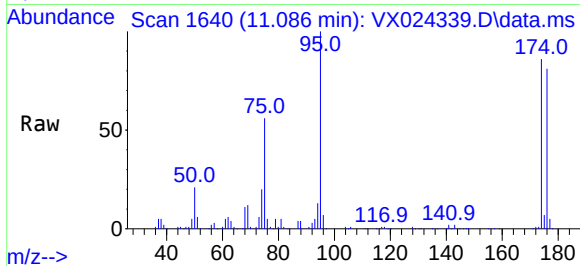




#62  
4-Bromofluorobenzene  
Concen: 44.247 ug/l  
RT: 11.086 min Scan# 1640  
Delta R.T. 0.000 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

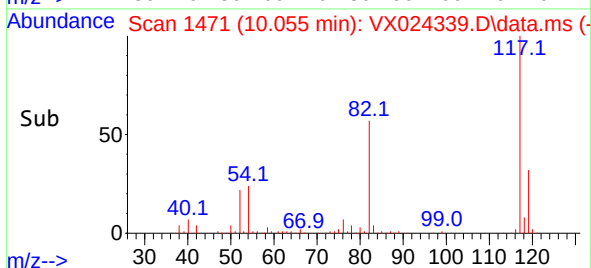
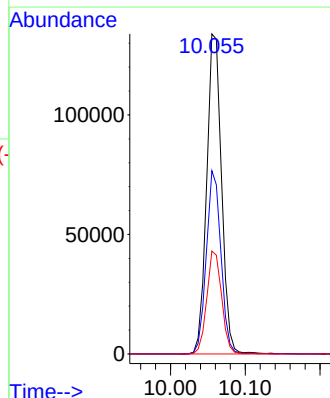
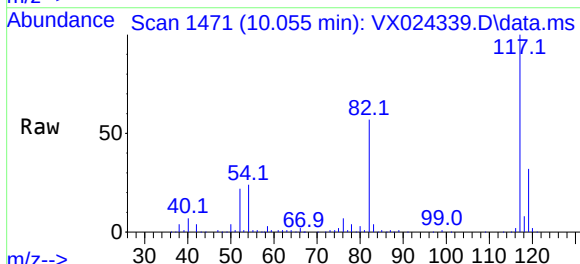
Instrument :  
MSVOA\_X  
ClientSampleId :  
RE139D1-20210915

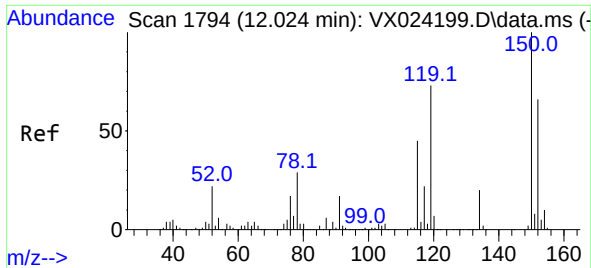
Tgt Ion: 95 Resp: 82429  
Ion Ratio Lower Upper  
95 100  
174 83.2 0.0 154.6  
176 79.4 0.0 155.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. -0.006 min  
Lab File: VX024339.D  
Acq: 18 Sep 2021 04:08

Tgt Ion: 117 Resp: 185328  
Ion Ratio Lower Upper  
117 100  
82 57.2 47.4 71.2  
119 32.2 26.6 39.8





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.024 min Scan# 1794  
 Delta R.T. 0.000 min  
 Lab File: VX024339.D  
 Acq: 18 Sep 2021 04:08

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 RE139D1-20210915

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 72736 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 60.1  | 41.1  | 123.3 |
| 150       | 154.7 | 0.0   | 349.0 |

