

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062123\  
 Data File : VY014368.D  
 Acq On : 22 Jun 2023 07:41  
 Operator : KP/MD  
 Sample : 03362-07  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Quant Time: Jun 22 08:55:57 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060923S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 09 18:07:13 2023  
 Response via : Initial Calibration

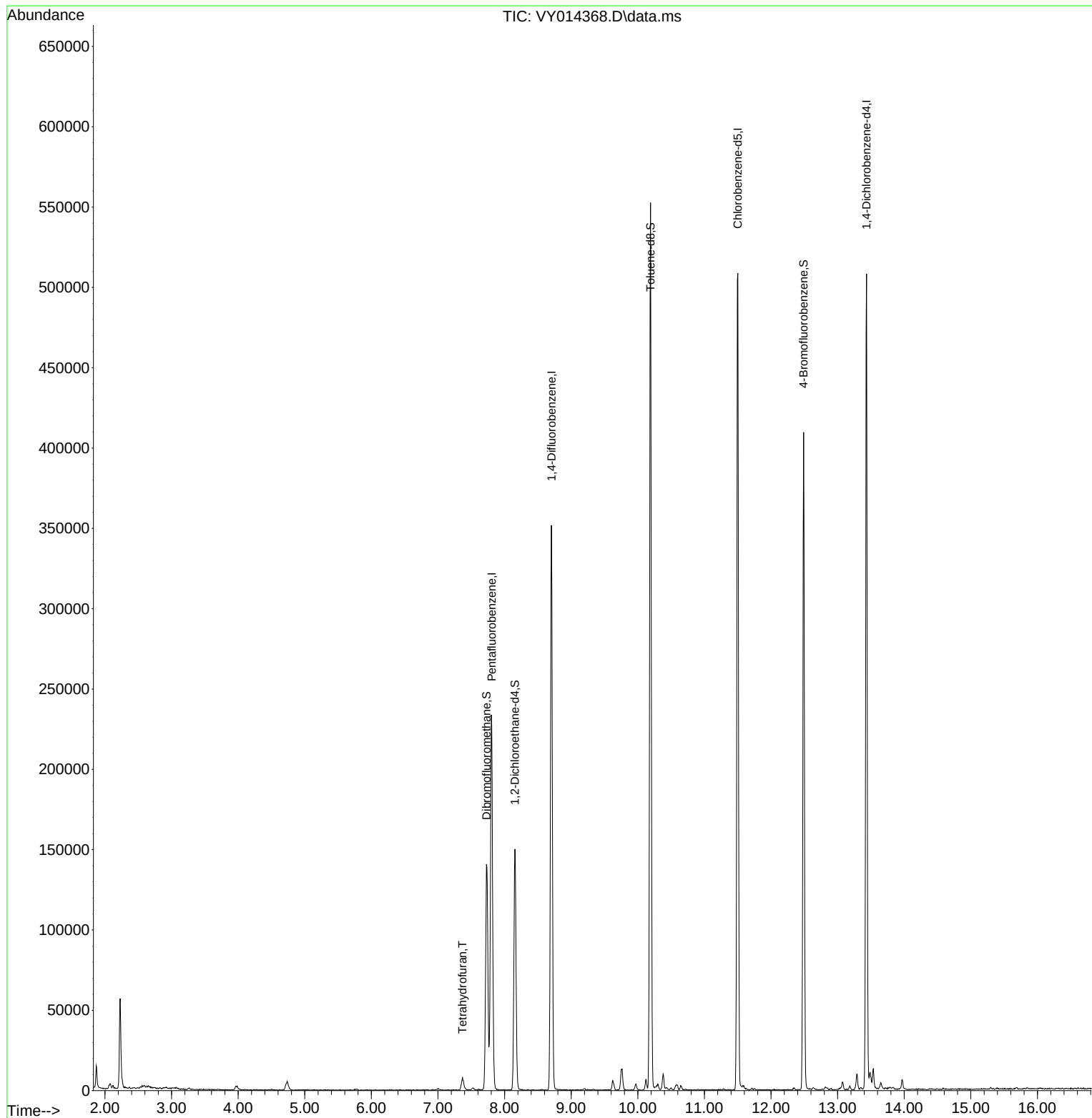
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.807  | 168   | 181233   | 50.000   | ug/l   | 0.02     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 289725   | 50.000   | ug/l   | 0.01     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 277498   | 50.000   | ug/l   | 0.01     |
| 72) 1,4-Dichlorobenzene-d4  | 13.434 | 152   | 131270   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 129003   | 51.117   | ug/l   | 0.01     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 102.240% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 96221    | 46.831   | ug/l   | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 93.660%  |
| 50) Toluene-d8              | 10.191 | 98    | 353433   | 46.011   | ug/l   | 0.01     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 92.020%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 113689   | 41.664   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 83.320%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 29) Tetrahydrofuran         | 7.368  | 42    | 5691     | 9.584    | ug/l   | 96       |
| -----                       |        |       |          |          |        |          |

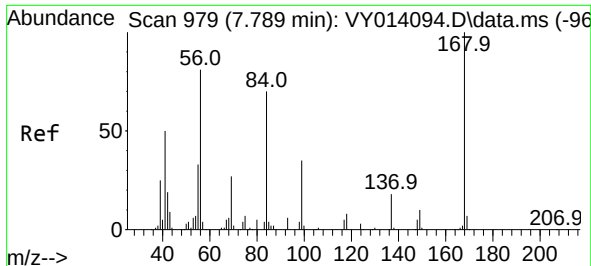
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Fri Jun 09 18:07:13 2023  
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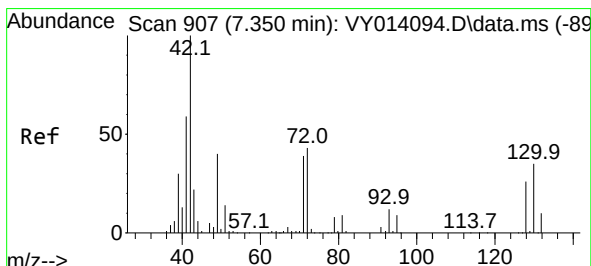
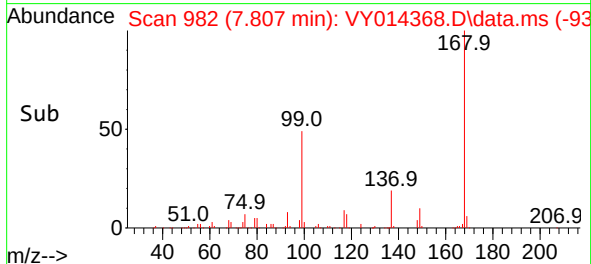
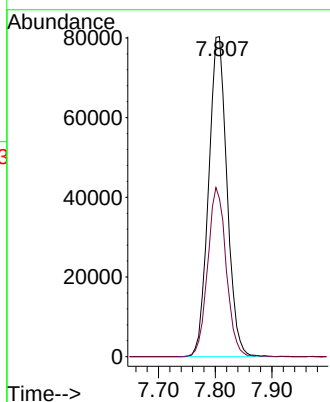
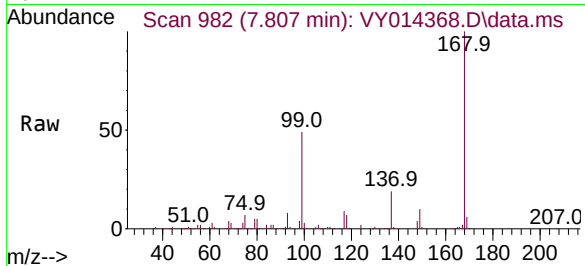




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 910  
Delta R.T. 0.018 min  
Lab File: VY014368.D  
Acq: 22 Jun 2023 07:41

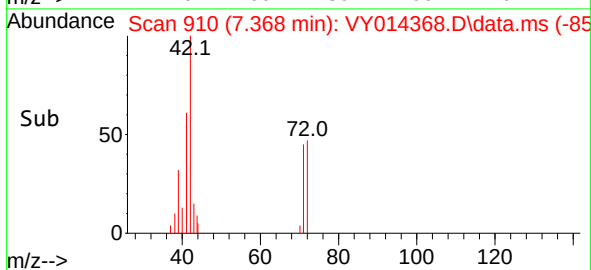
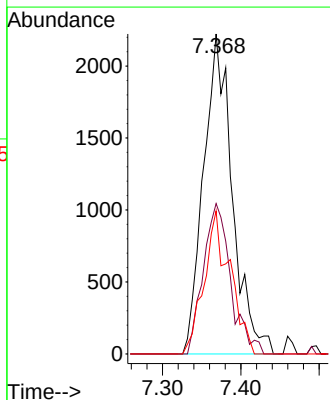
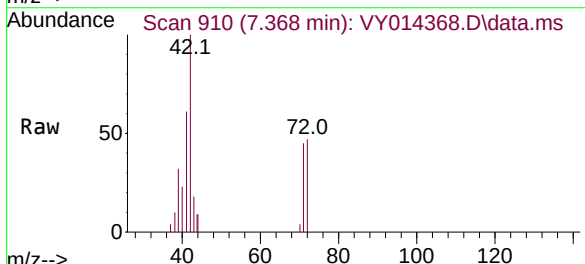
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MSVOA\_Y  
ClientSampleId :  
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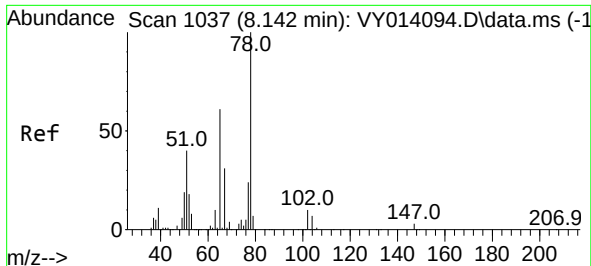
Tgt Ion:168 Resp: 181233  
Ion Ratio Lower Upper  
168 100  
99 49.3 43.4 65.0



#29  
Tetrahydrofuran  
Concen: 9.584 ug/l  
RT: 7.368 min Scan# 910  
Delta R.T. 0.018 min  
Lab File: VY014368.D  
Acq: 22 Jun 2023 07:41

Tgt Ion: 42 Resp: 5691  
Ion Ratio Lower Upper  
42 100  
72 44.5 32.8 49.2  
71 40.1 31.0 46.4

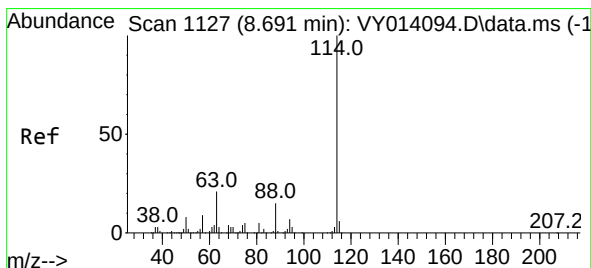
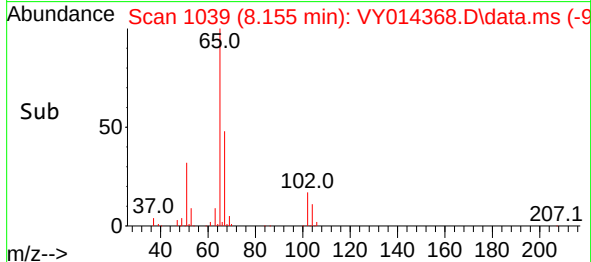
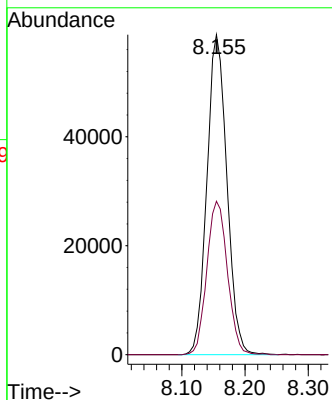
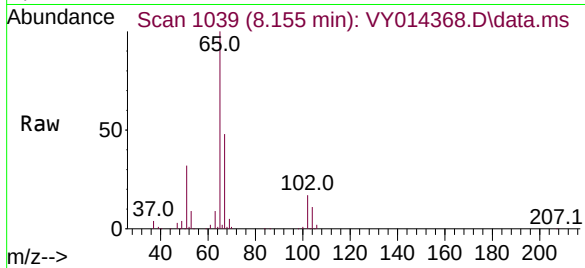




#33  
 1,2-Dichloroethane-d4  
 Concen: 51.117 ug/l  
 RT: 8.155 min Scan# 1039  
 Delta R.T. 0.013 min  
 Lab File: VY014368.D  
 Acq: 22 Jun 2023 07:41

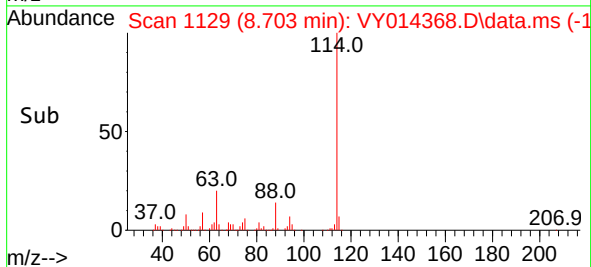
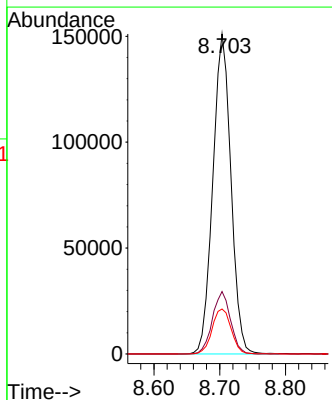
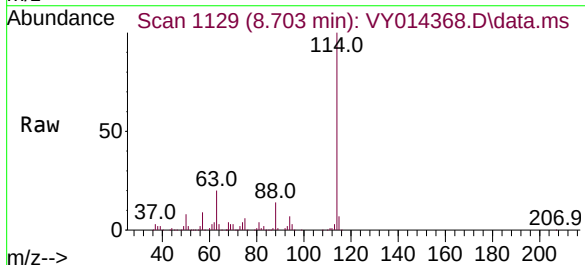
Instrument :  
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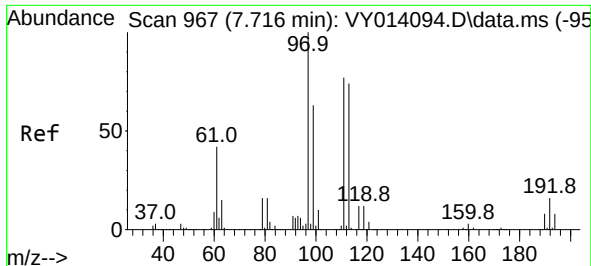
Tgt Ion: 65 Resp: 129003  
 Ion Ratio Lower Upper  
 65 100  
 67 49.5 0.0 101.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.703 min Scan# 1129  
 Delta R.T. 0.012 min  
 Lab File: VY014368.D  
 Acq: 22 Jun 2023 07:41

Tgt Ion: 114 Resp: 289725  
 Ion Ratio Lower Upper  
 114 100  
 63 19.5 0.0 42.4  
 88 14.0 0.0 30.6

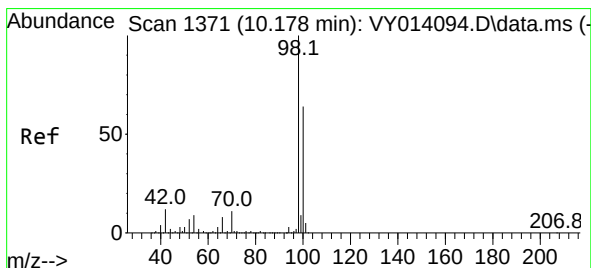
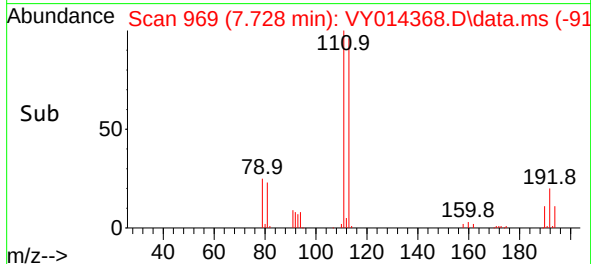
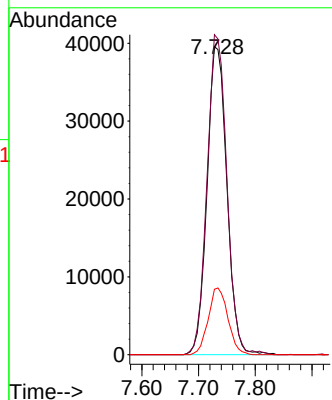
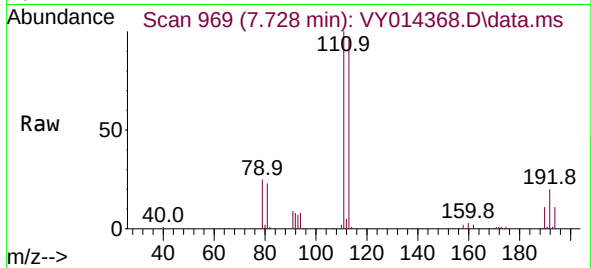




#35  
Dibromofluoromethane  
Concen: 46.831 ug/l  
RT: 7.728 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: VY014368.D  
Acq: 22 Jun 2023 07:41

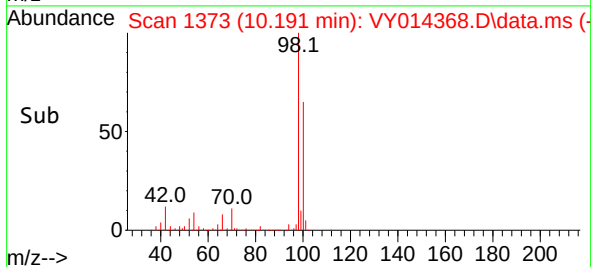
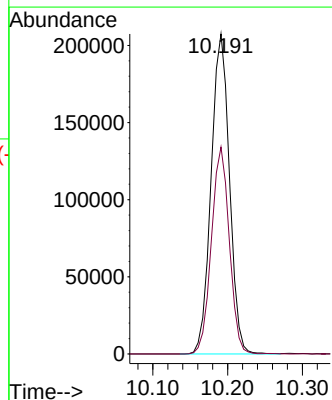
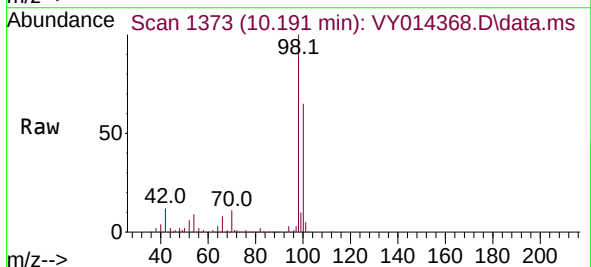
Instrument :  
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ClientSampleId :  
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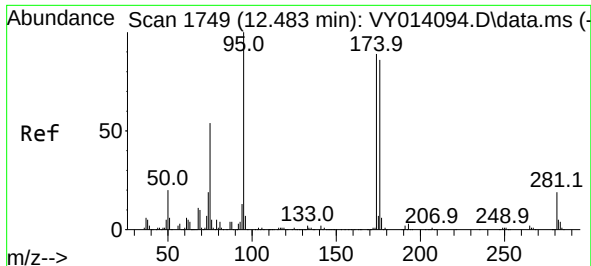
Tgt Ion:113 Resp: 96221  
Ion Ratio Lower Upper  
113 100  
111 103.9 81.3 121.9  
192 21.5 16.9 25.3



#50  
Toluene-d8  
Concen: 46.011 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. 0.013 min  
Lab File: VY014368.D  
Acq: 22 Jun 2023 07:41

Tgt Ion: 98 Resp: 353433  
Ion Ratio Lower Upper  
98 100  
100 63.0 50.1 75.1

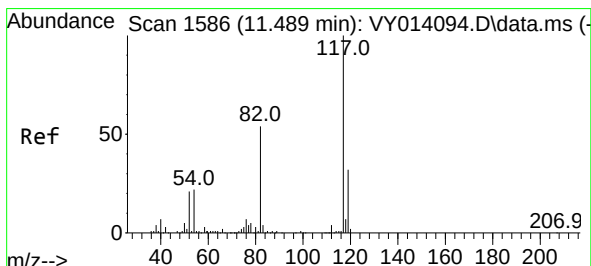
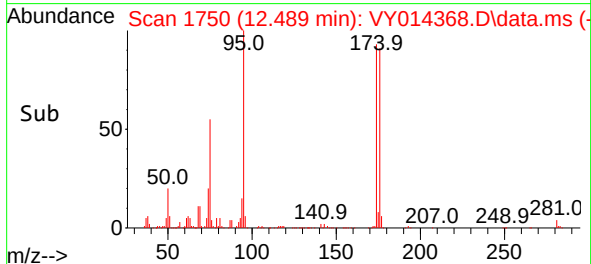
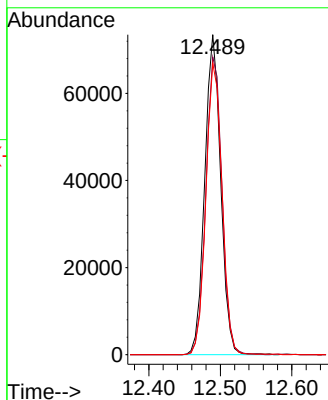
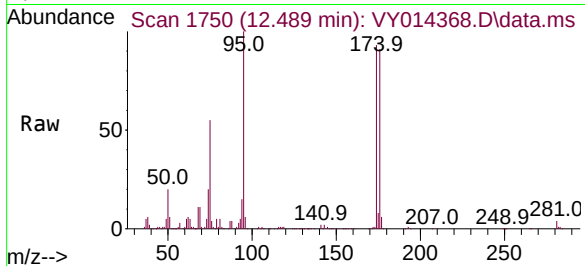




#62  
4-Bromofluorobenzene  
Concen: 41.664 ug/l  
RT: 12.489 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY014368.D  
Acq: 22 Jun 2023 07:41

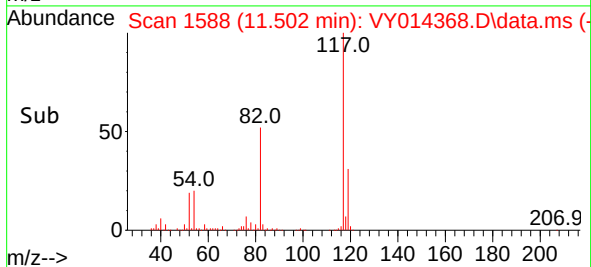
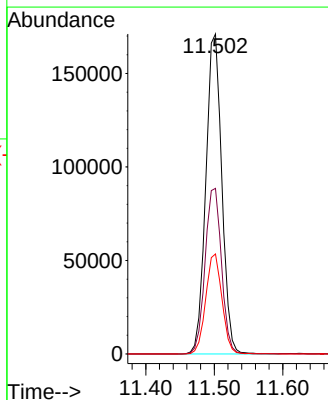
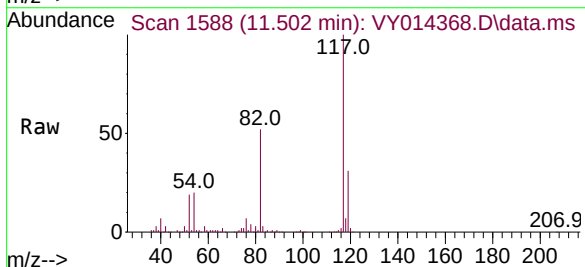
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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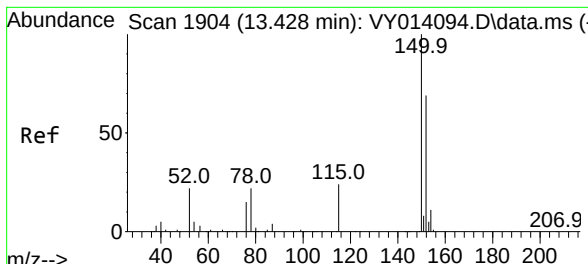
Tgt Ion: 95 Resp: 113689  
Ion Ratio Lower Upper  
95 100  
174 94.4 0.0 178.2  
176 92.4 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. 0.013 min  
Lab File: VY014368.D  
Acq: 22 Jun 2023 07:41

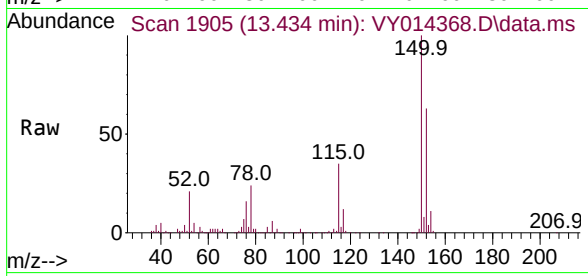
Tgt Ion: 117 Resp: 277498  
Ion Ratio Lower Upper  
117 100  
82 51.7 43.4 65.0  
119 31.3 26.3 39.5





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.434 min Scan# 1905  
 Delta R.T. 0.006 min  
 Lab File: VY014368.D  
 Acq: 22 Jun 2023 07:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 131270

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 56.4  | 28.8  | 86.5  |
| 150 | 157.2 | 0.0   | 348.8 |

