

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY071922\  
 Data File : VY009588.D  
 Acq On : 19 Jul 2022 14:41  
 Operator : KP/MD  
 Sample : N3716-05  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-290

Quant Time: Jul 19 15:13:15 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y071822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jul 19 04:22:09 2022  
 Response via : Initial Calibration

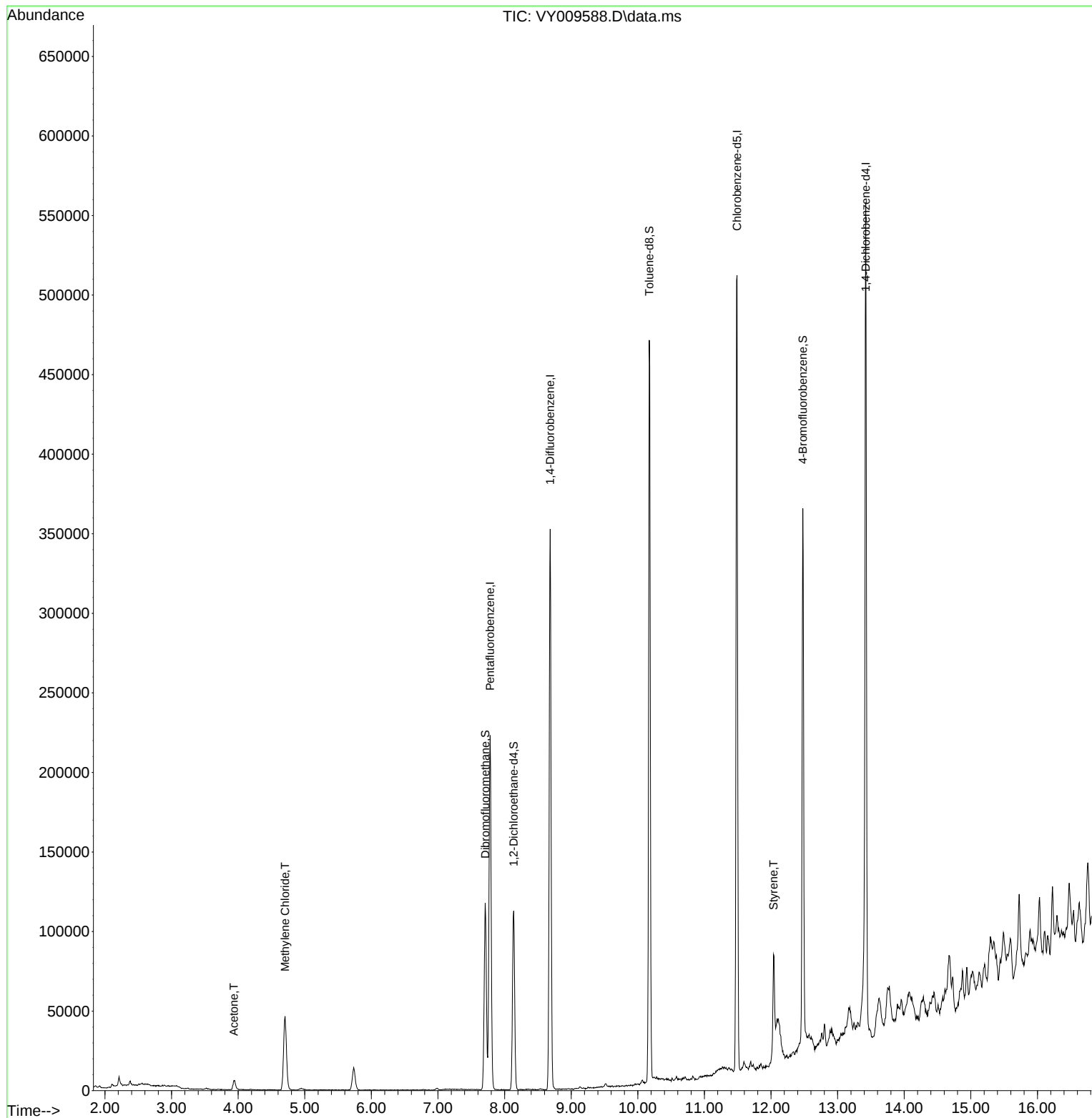
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.783     | 168   | 182761   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114   | 309214   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117   | 286356   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152   | 129950   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65    | 86435    | 50.007   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 100.020% |          |
| 35) Dibromofluoromethane    | 7.710     | 113   | 82162    | 42.177   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 84.360%  |          |
| 50) Toluene-d8              | 10.173    | 98    | 309402   | 41.315   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 78 - 125 | Recovery | = 82.640%  |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95    | 100499   | 41.415   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 146 | Recovery | = 82.840%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.936     | 43    | 10839    | 24.789   | ug/l       | 97       |
| 20) Methylene Chloride      | 4.704     | 84    | 35191    | 7.668    | ug/l       | 88       |
| 70) Styrene                 | 12.038    | 104   | 28701    | 4.502    | ug/l #     | 86       |
| -----                       |           |       |          |          |            |          |

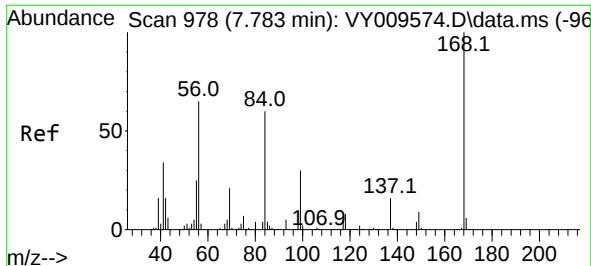
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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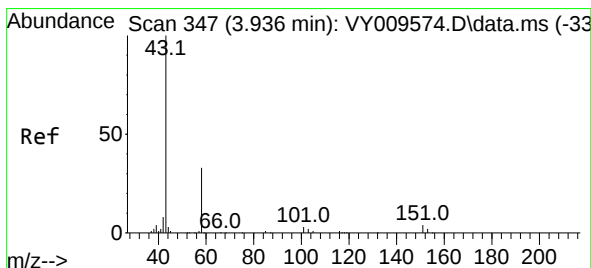
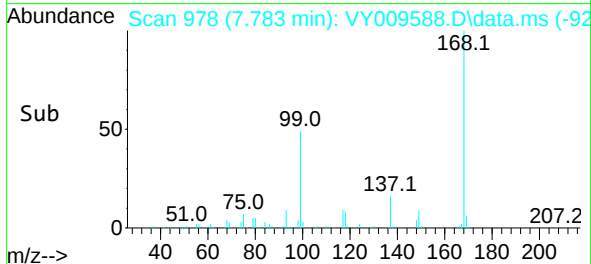
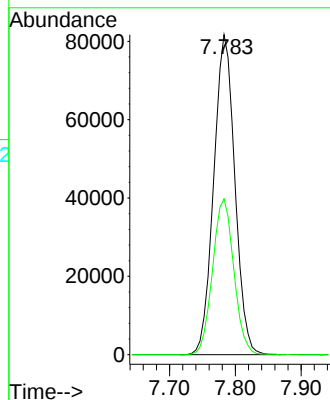
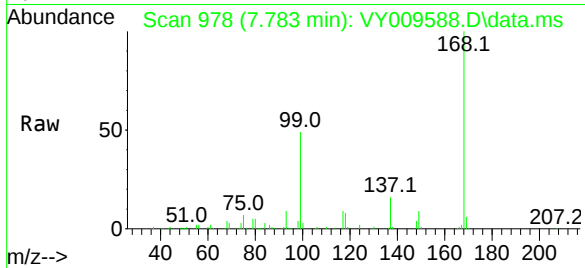




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

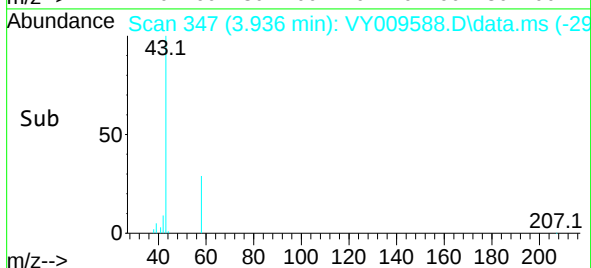
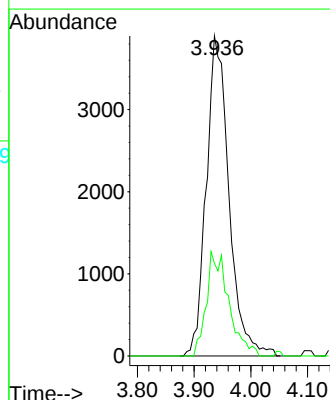
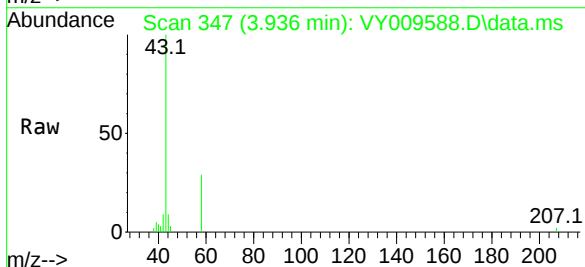
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-290

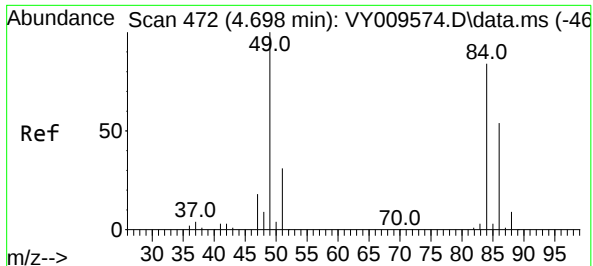
Tgt Ion:168 Resp: 182761  
Ion Ratio Lower Upper  
168 100  
99 48.7 46.9 70.3



#16  
Acetone  
Concen: 24.789 ug/l  
RT: 3.936 min Scan# 347  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

Tgt Ion: 43 Resp: 10839  
Ion Ratio Lower Upper  
43 100  
58 28.9 22.0 33.0



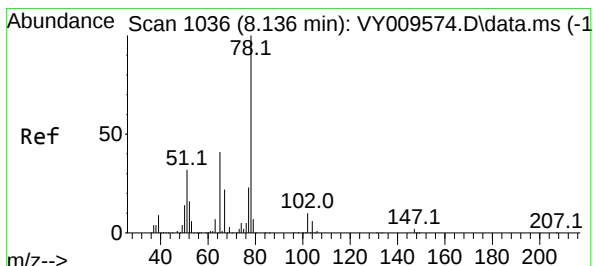
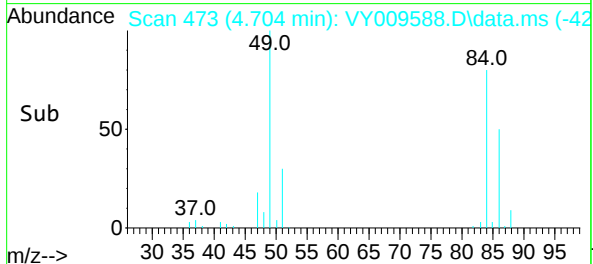
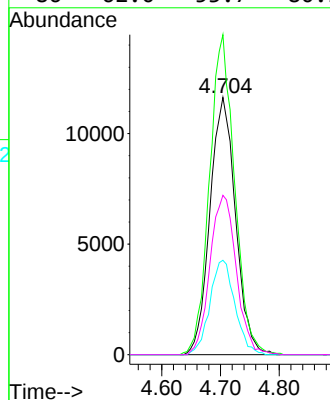
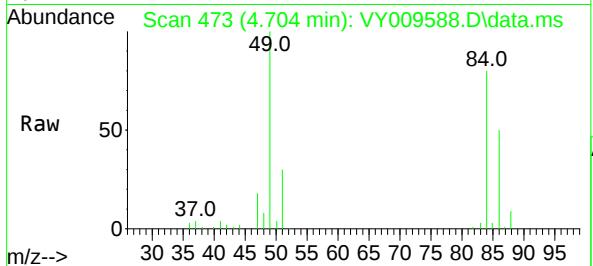


#20  
Methylene Chloride  
Concen: 7.668 ug/l  
RT: 4.704 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-290

Tgt Ion: 84 Resp: 35191

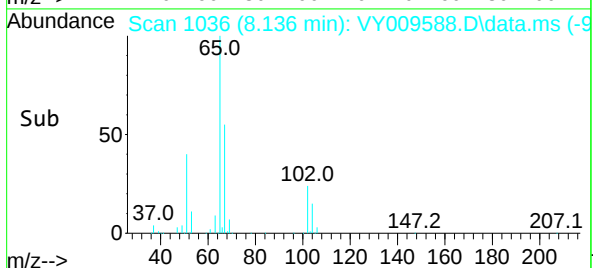
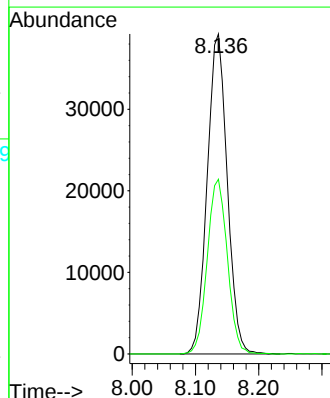
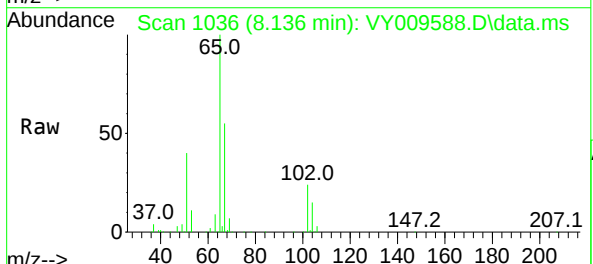
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 124.4 | 114.4 | 171.6 |
| 51  | 36.7  | 35.3  | 52.9  |
| 86  | 62.0  | 53.7  | 80.5  |

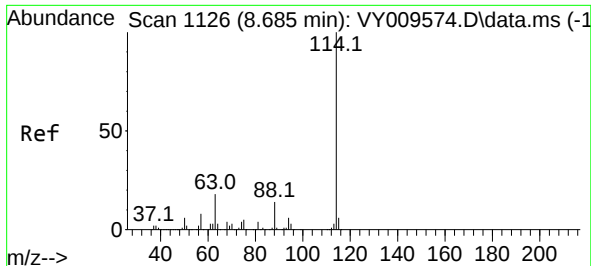


#33  
1,2-Dichloroethane-d4  
Concen: 50.007 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

Tgt Ion: 65 Resp: 86435

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.8  | 0.0   | 99.4  |

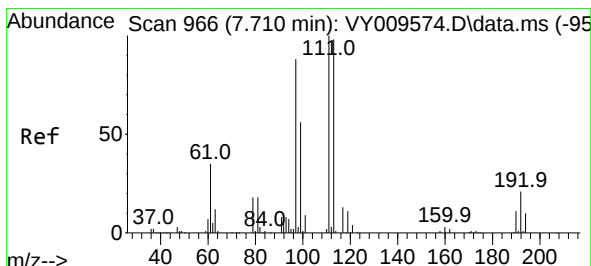
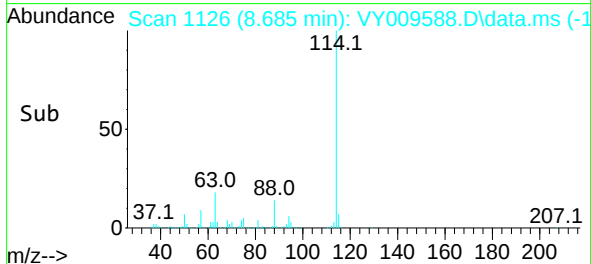
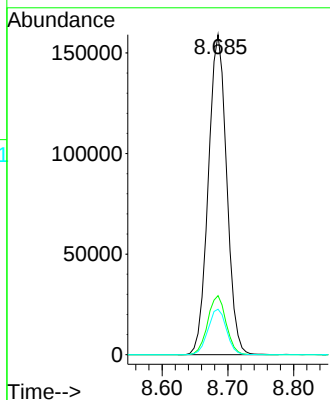
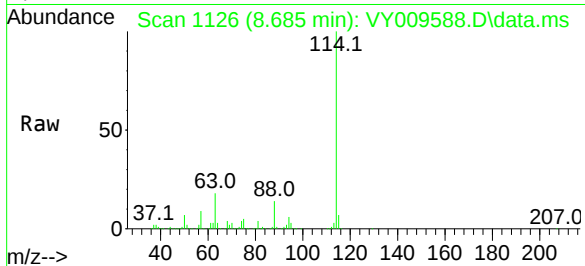




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.685 min Scan# 1126  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

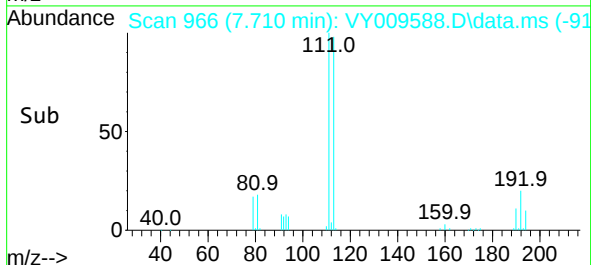
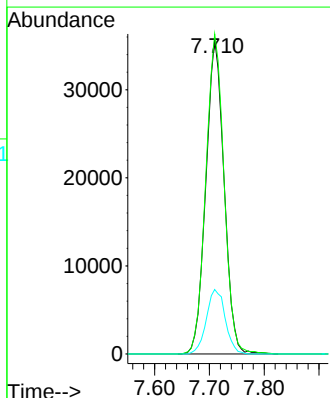
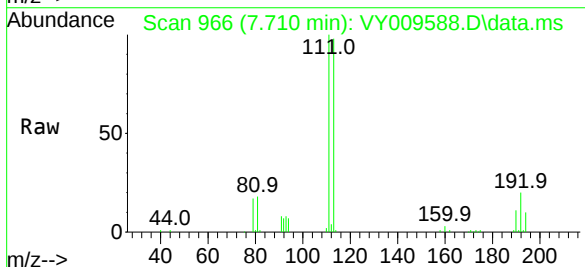
Instrument :  
MSVOA\_Y  
ClientSampleId :  
ETGI-290

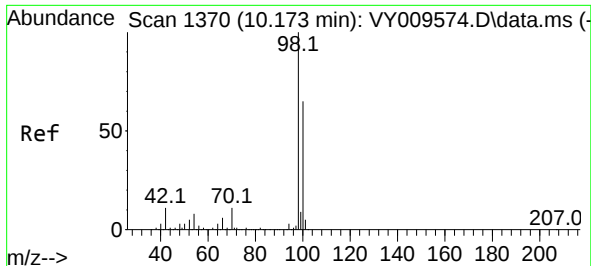
Tgt Ion:114 Resp: 309214  
Ion Ratio Lower Upper  
114 100  
63 18.5 0.0 43.2  
88 14.2 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 42.177 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

Tgt Ion:113 Resp: 82162  
Ion Ratio Lower Upper  
113 100  
111 102.1 82.6 124.0  
192 21.3 17.6 26.4

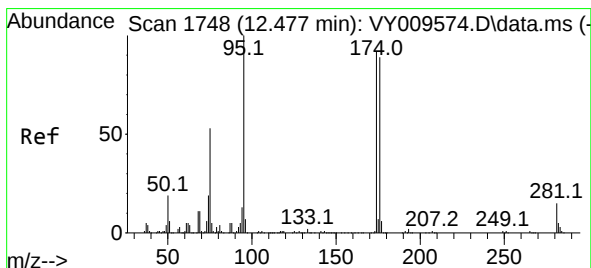
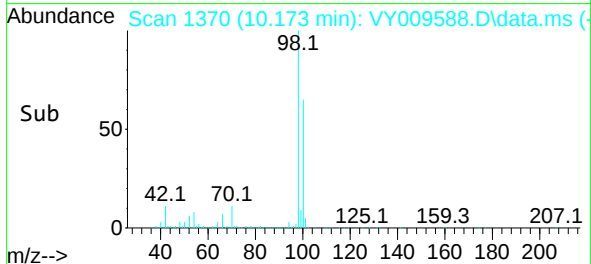
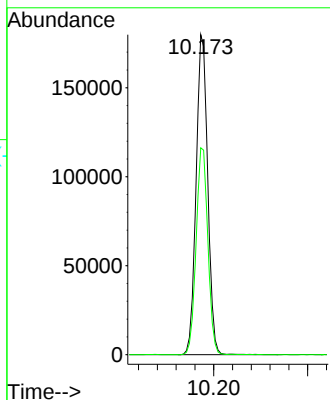
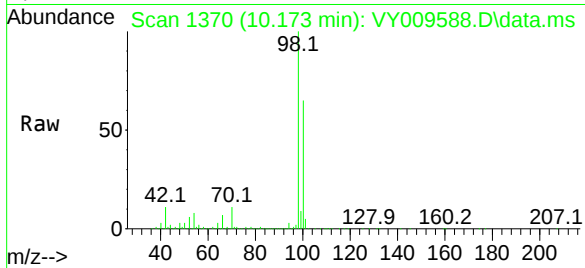




#50  
Toluene-d8  
Concen: 41.315 ug/l  
RT: 10.173 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

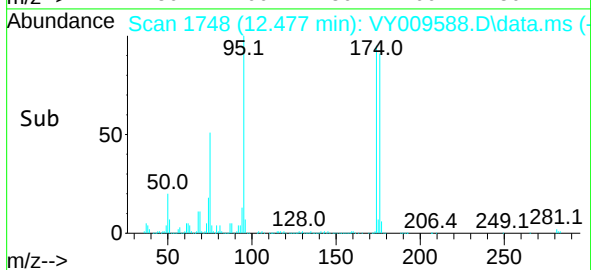
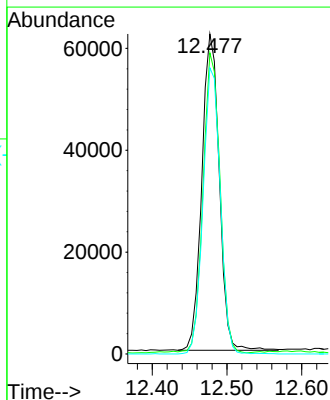
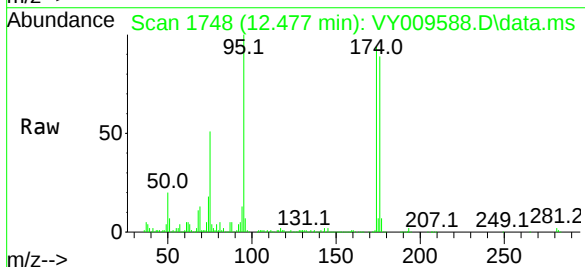
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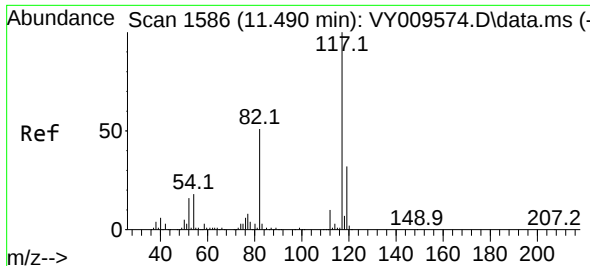
Tgt Ion: 98 Resp: 309402  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 41.415 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

Tgt Ion: 95 Resp: 100499  
Ion Ratio Lower Upper  
95 100  
174 93.8 0.0 177.0  
176 89.4 0.0 175.8

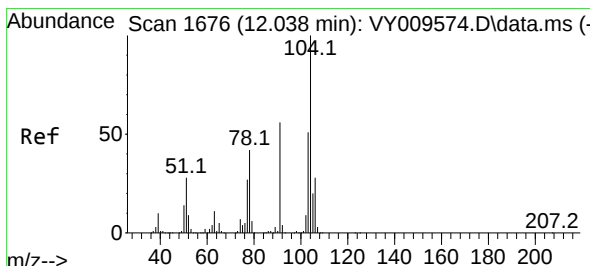
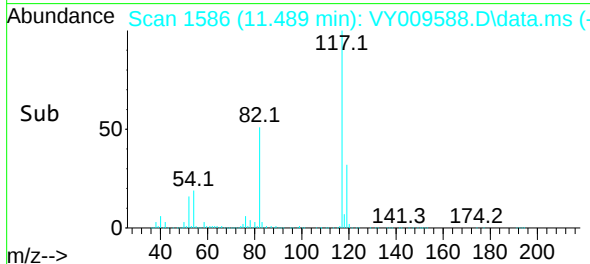
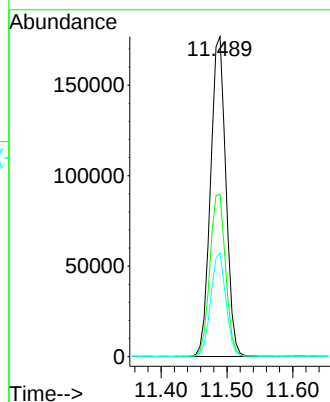
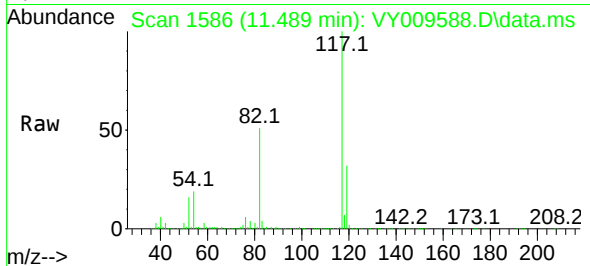




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

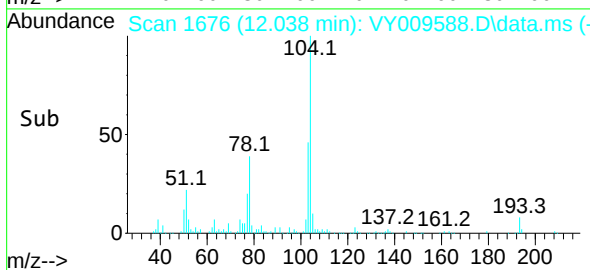
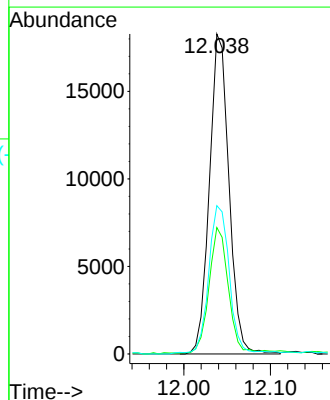
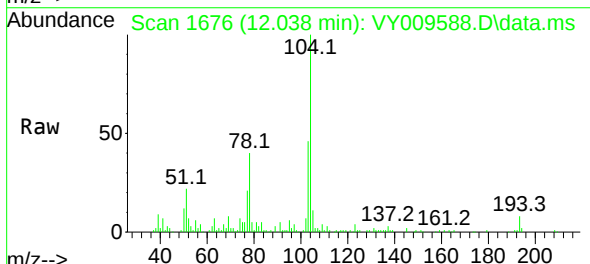
Instrument :  
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ETGI-290

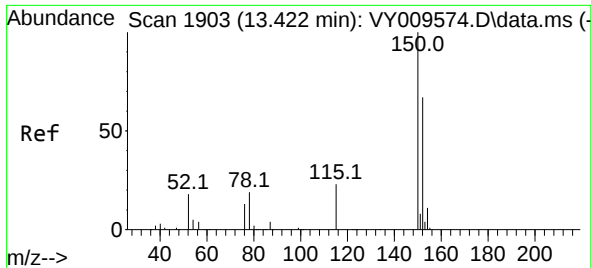
Tgt Ion:117 Resp: 286356  
Ion Ratio Lower Upper  
117 100  
82 50.7 43.0 64.4  
119 32.3 25.4 38.0



#70  
Styrene  
Concen: 4.502 ug/l  
RT: 12.038 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VY009588.D  
Acq: 19 Jul 2022 14:41

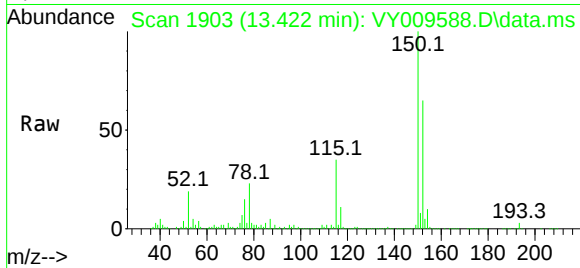
Tgt Ion:104 Resp: 28701  
Ion Ratio Lower Upper  
104 100  
78 38.2 42.4 63.6#  
103 49.8 44.4 66.6





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. -0.000 min  
 Lab File: VY009588.D  
 Acq: 19 Jul 2022 14:41

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 ETGI-290



Tgt Ion:152 Resp: 129950  
 Ion Ratio Lower Upper  
 152 100  
 115 54.7 28.2 84.7  
 150 157.1 0.0 347.6

