

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY021121\  
 Data File : VY004002.D  
 Acq On : 11 Feb 2021 15:36  
 Operator : SY/MD  
 Sample : M1385-01  
 Misc : 6.30g/5mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-021121

Quant Time: Feb 11 15:47:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y012821S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Feb 01 00:38:02 2021  
 Response via : Initial Calibration

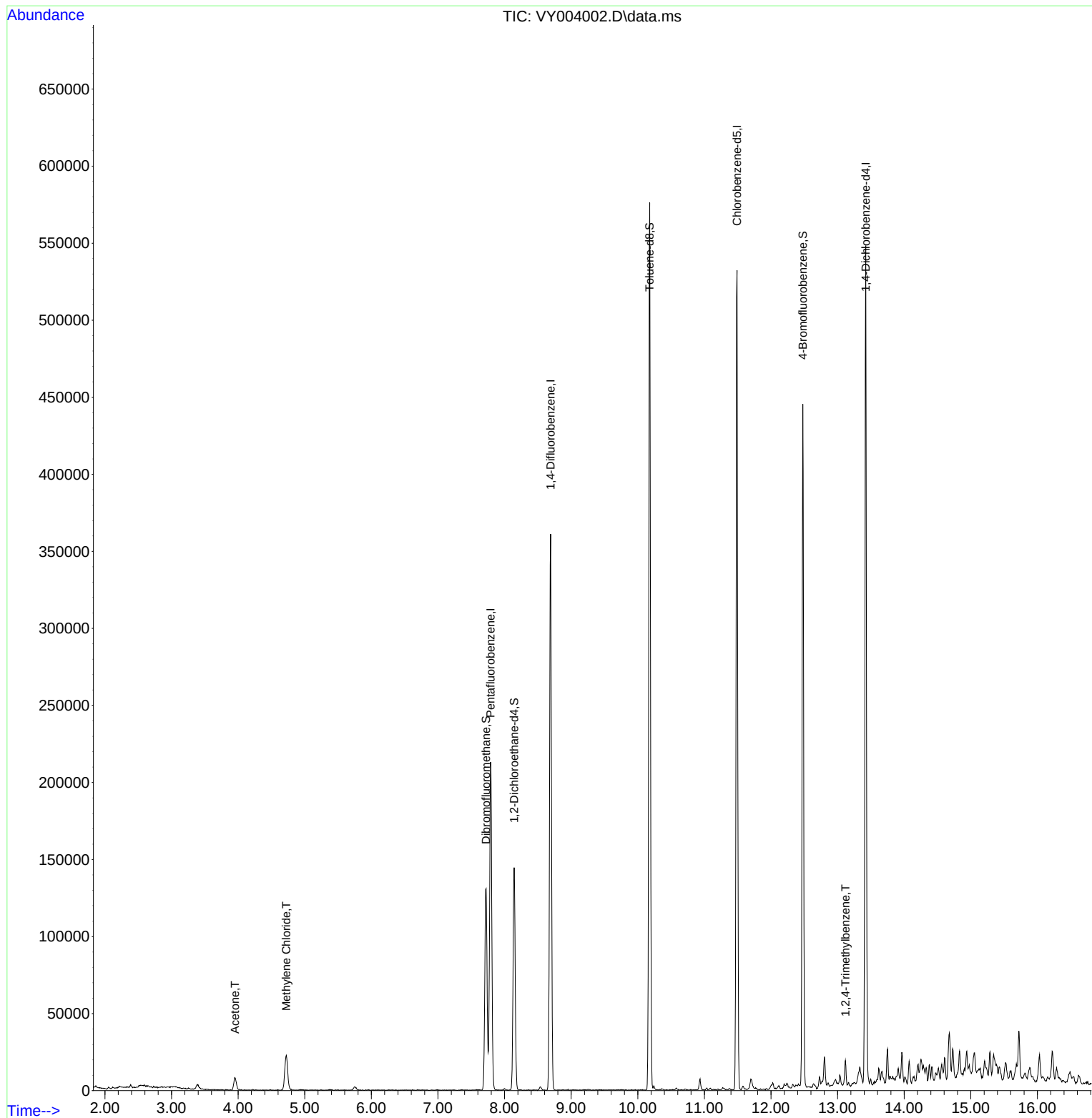
| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 168720   | 50.00    | ug/l      | -0.01    |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 293297   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 279086   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 128999   | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 116166   | 62.61    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 125.22% |          |
| 35) Dibromofluoromethane    | 7.722  | 113   | 90437    | 52.74    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 105.48% |          |
| 50) Toluene-d8              | 10.179 | 98    | 365087   | 54.25    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 108.50% |          |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 128227   | 52.27    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 104.54% |          |
| Target Compounds            |        |       |          |          |           |          |
| 16) Acetone                 | 3.954  | 43    | 14240    | 31.27    | ug/l      | 92       |
| 20) Methylene Chloride      | 4.723  | 84    | 16319    | 8.44     | ug/l      | 91       |
| 84) 1,2,4-Trimethylbenzene  | 13.117 | 105   | 8509     | 1.07     | ug/l      | 97       |
| -----                       |        |       |          |          |           |          |

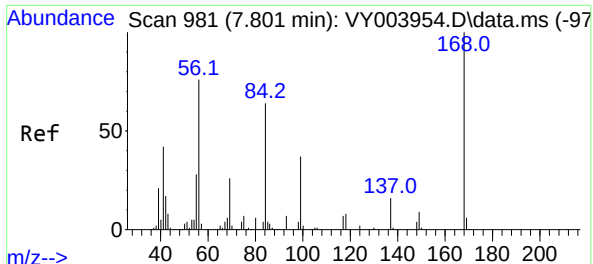
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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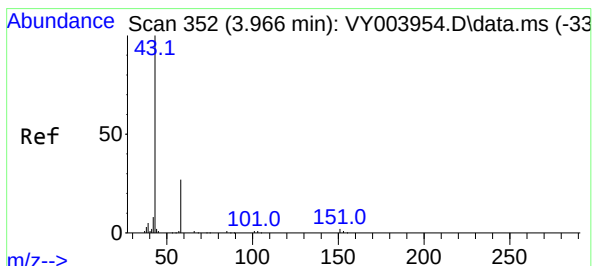
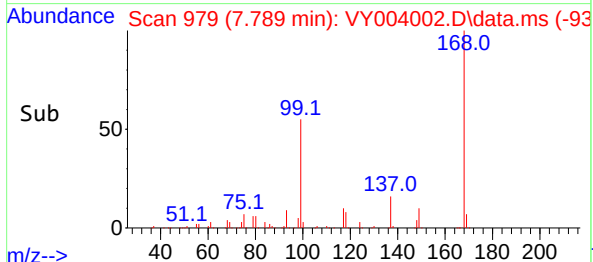
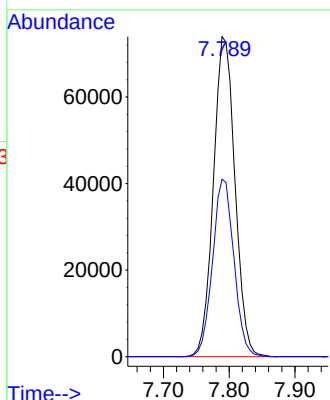
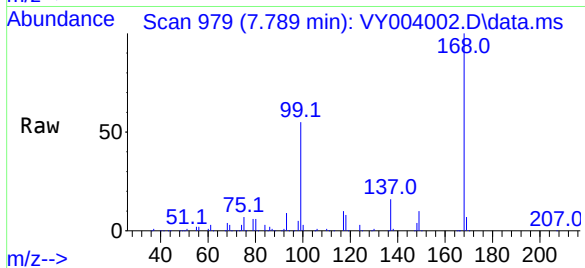




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.012 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

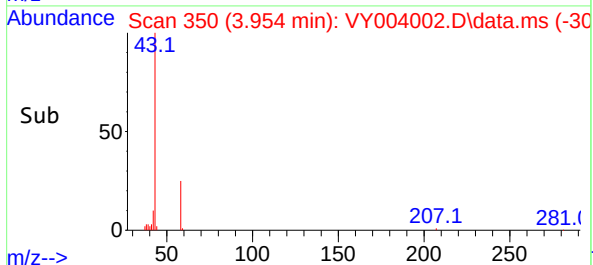
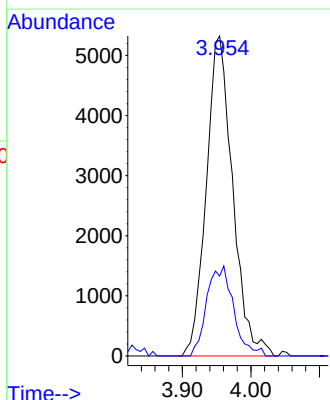
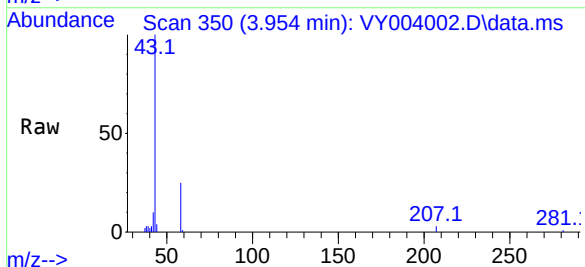
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-021121

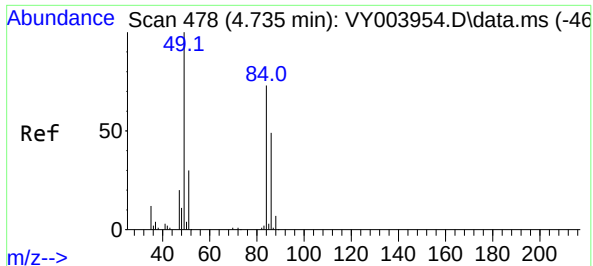
Tgt Ion:168 Resp: 168720  
Ion Ratio Lower Upper  
168 100  
99 55.4 46.1 69.1



#16  
Acetone  
Concen: 31.27 ug/l  
RT: 3.954 min Scan# 350  
Delta R.T. -0.012 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

Tgt Ion: 43 Resp: 14240  
Ion Ratio Lower Upper  
43 100  
58 24.9 23.4 35.0



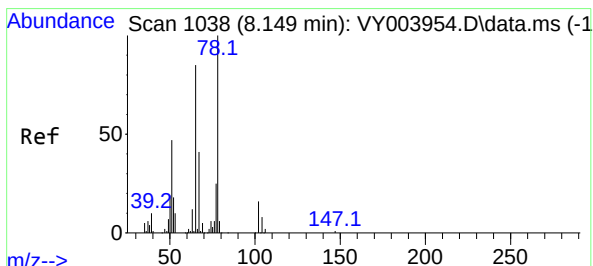
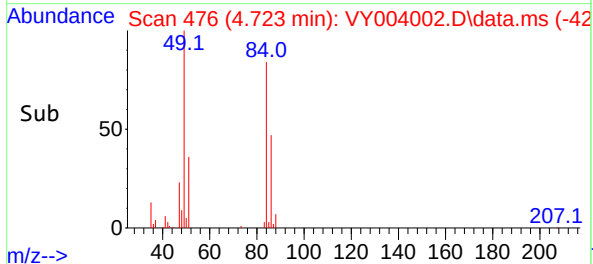
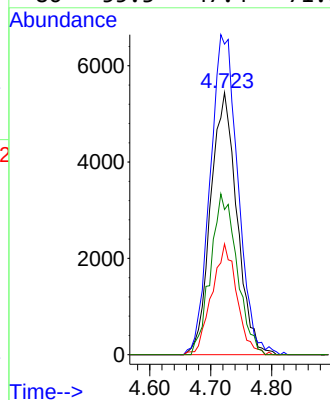
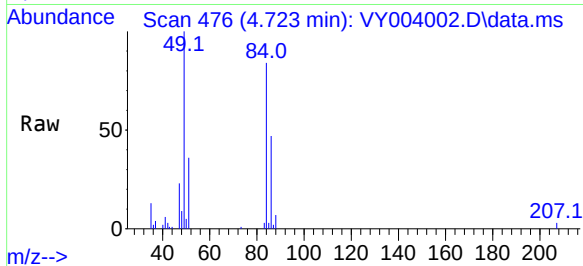


#20  
Methylene Chloride  
Concen: 8.44 ug/l  
RT: 4.723 min Scan# 476  
Delta R.T. -0.012 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-021121

Tgt Ion: 84 Resp: 16319

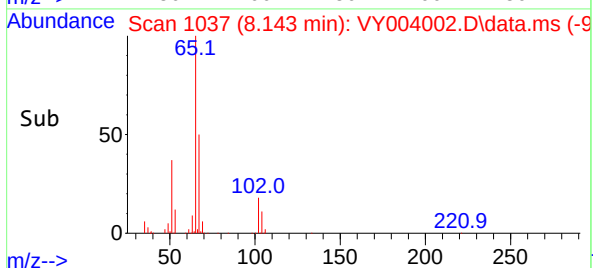
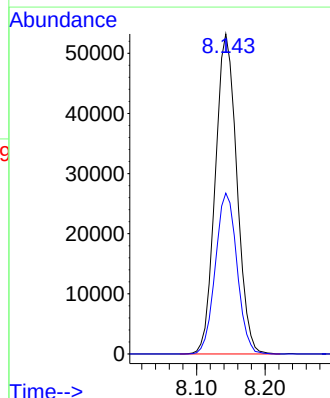
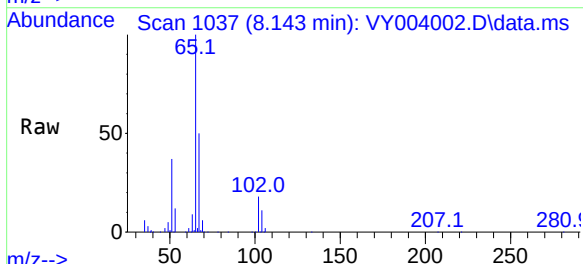
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 118.5 | 107.0 | 160.4 |
| 51  | 42.2  | 31.9  | 47.9  |
| 86  | 55.3  | 47.4  | 71.0  |

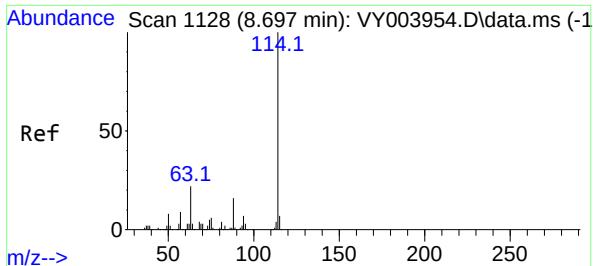


#33  
1,2-Dichloroethane-d4  
Concen: 62.61 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

Tgt Ion: 65 Resp: 116166

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 50.4  | 0.0   | 101.8 |

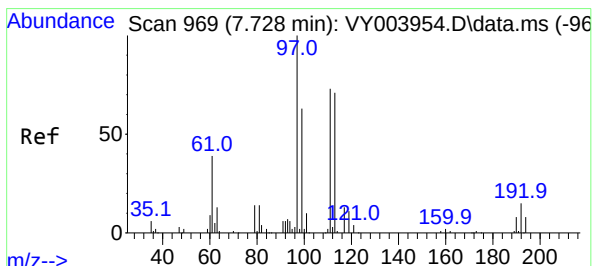
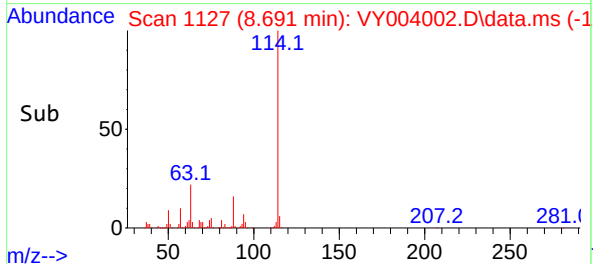
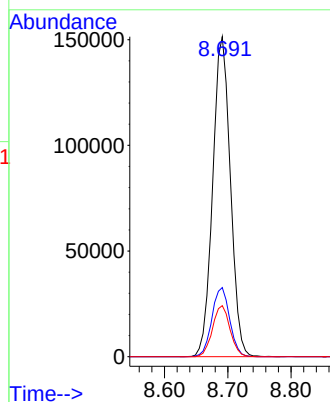
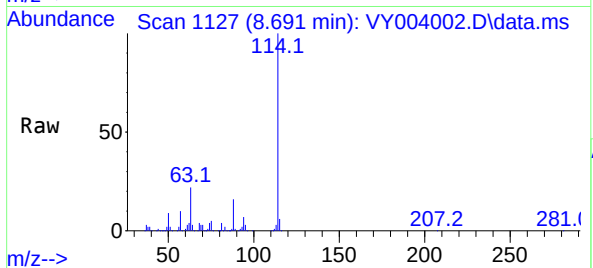




#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

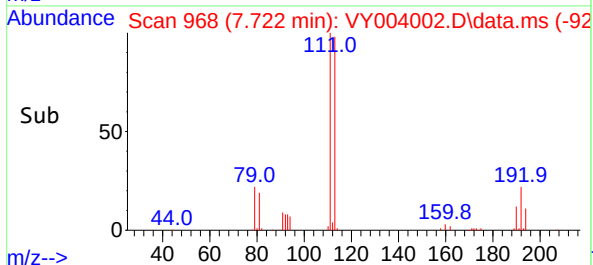
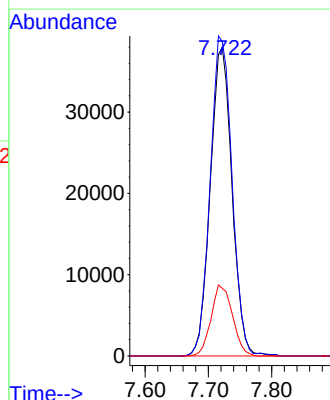
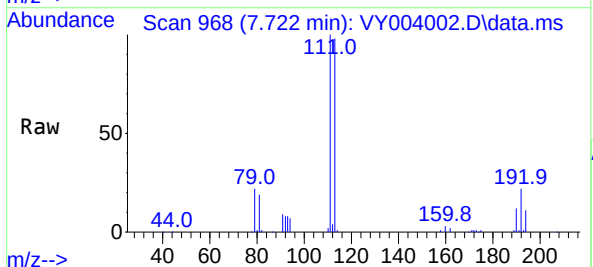
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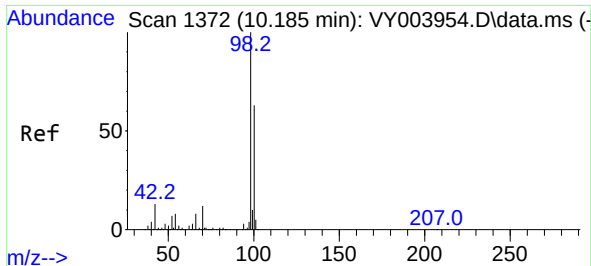
Tgt Ion:114 Resp: 293297  
Ion Ratio Lower Upper  
114 100  
63 21.6 0.0 47.2  
88 15.9 0.0 30.2



#35  
Dibromofluoromethane  
Concen: 52.74 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

Tgt Ion:113 Resp: 90437  
Ion Ratio Lower Upper  
113 100  
111 104.3 82.2 123.4  
192 22.7 18.3 27.5

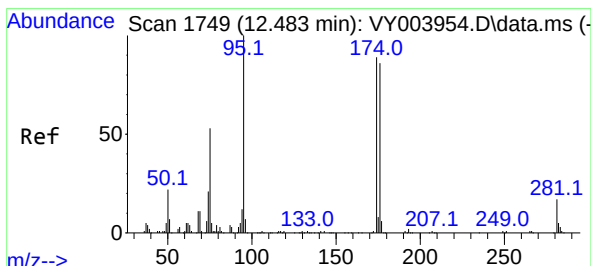
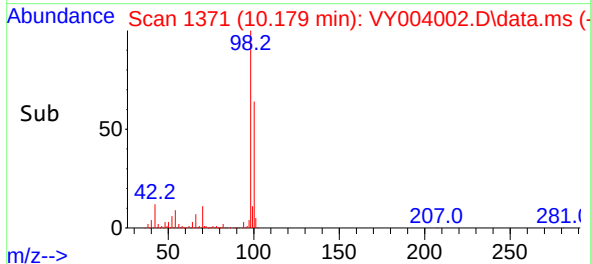
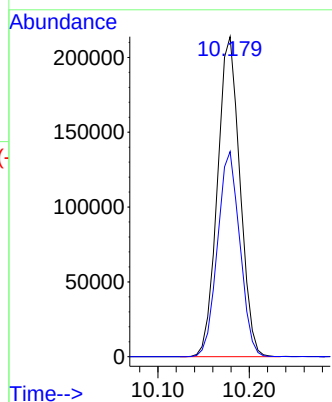
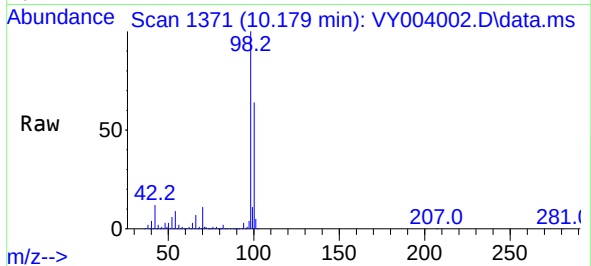




#50  
Toluene-d8  
Concen: 54.25 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

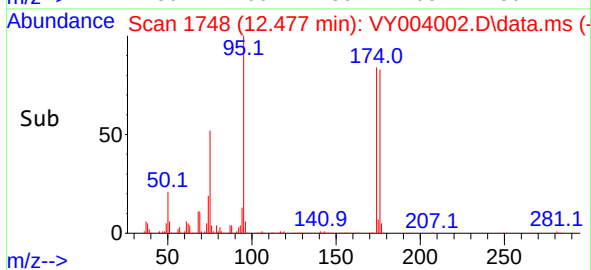
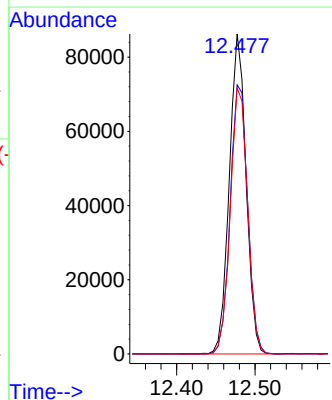
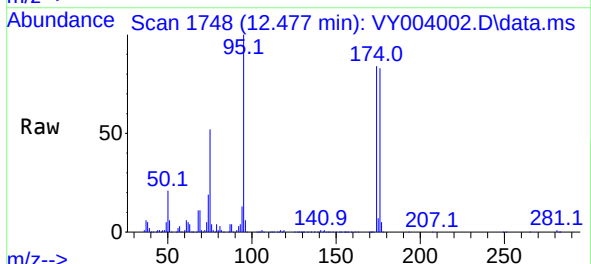
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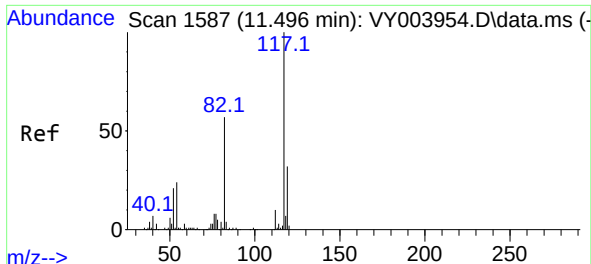
Tgt Ion: 98 Resp: 365087  
Ion Ratio Lower Upper  
98 100  
100 63.6 50.5 75.7



#62  
4-Bromofluorobenzene  
Concen: 52.27 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

Tgt Ion: 95 Resp: 128227  
Ion Ratio Lower Upper  
95 100  
174 87.8 0.0 184.4  
176 85.8 0.0 177.2

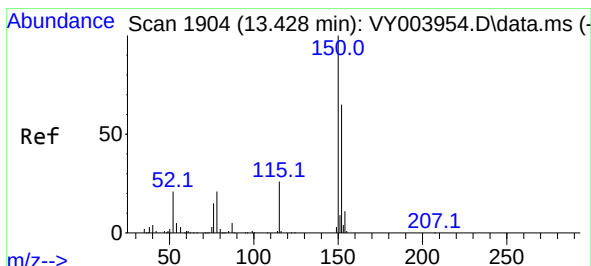
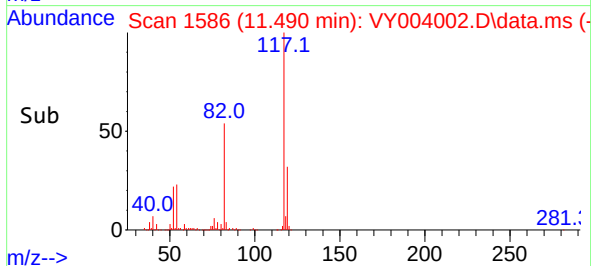
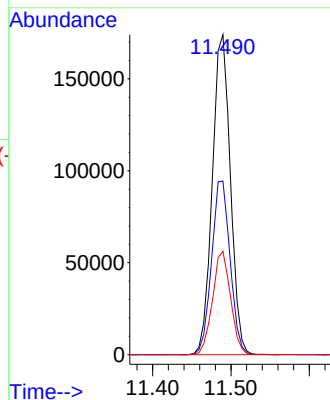
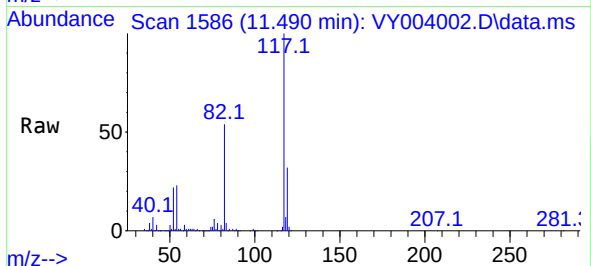




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

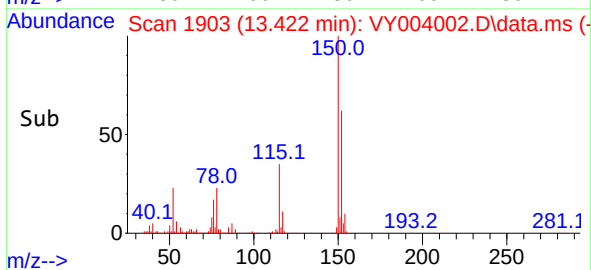
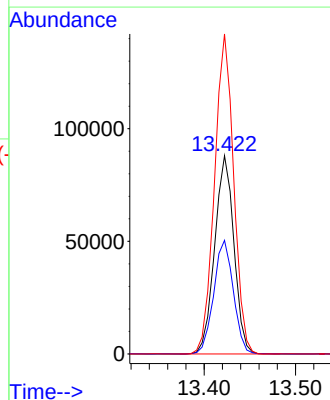
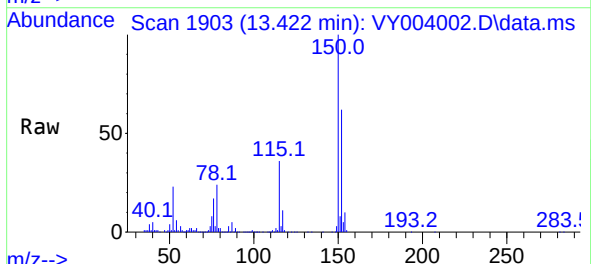
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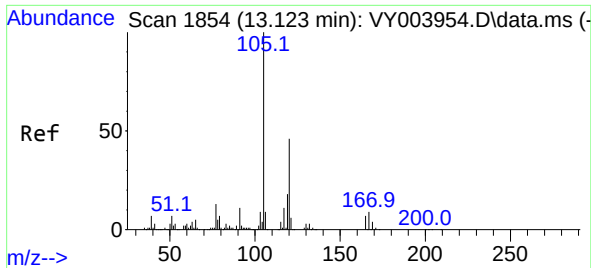
Tgt Ion:117 Resp: 279086  
Ion Ratio Lower Upper  
117 100  
82 54.3 44.3 66.5  
119 32.3 25.0 37.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

Tgt Ion:152 Resp: 128999  
Ion Ratio Lower Upper  
152 100  
115 58.4 28.2 84.6  
150 160.6 0.0 356.2





#84  
1,2,4-Trimethylbenzene  
Concen: 1.07 ug/l  
RT: 13.117 min Scan# 1853  
Delta R.T. -0.006 min  
Lab File: VY004002.D  
Acq: 11 Feb 2021 15:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:105 Resp: 8509  
Ion Ratio Lower Upper  
105 100  
120 46.5 22.2 66.6

