

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062722\  
 Data File : VY009344.D  
 Acq On : 27 Jun 2022 15:46  
 Operator : KP/MD  
 Sample : N3426-02  
 Misc : 7.24g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B2201-35

Quant Time: Jun 28 04:30:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y062422S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 25 07:08:46 2022  
 Response via : Initial Calibration

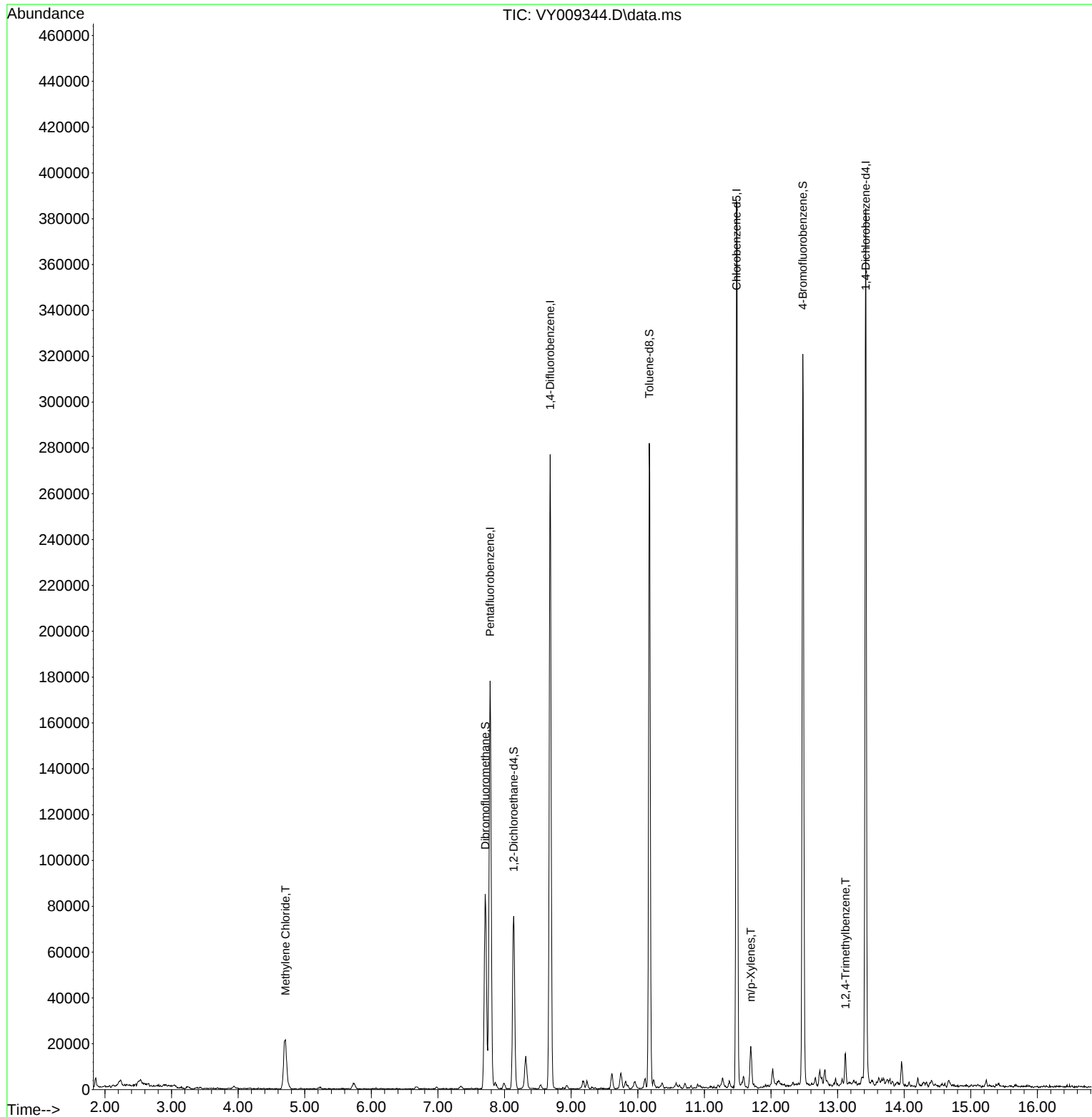
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.783  | 168   | 134746   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 231709   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.483 | 117   | 207309   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 92961    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.137  | 65    | 57062    | 56.857   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 113.720% |
| 35) Dibromofluoromethane    | 7.710  | 113   | 59381    | 47.479   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 94.960%  |
| 50) Toluene-d8              | 10.173 | 98    | 181505   | 49.619   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 99.240%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 82943    | 46.565   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 93.140%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 4.710  | 84    | 15797    | 7.774    | ug/l   | 94       |
| 68) m/p-Xylenes             | 11.697 | 106   | 5037     | 1.765    | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene  | 13.117 | 105   | 6933     | 1.302    | ug/l   | 94       |
| -----                       |        |       |          |          |        |          |

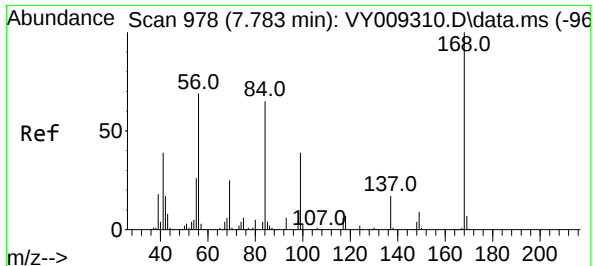
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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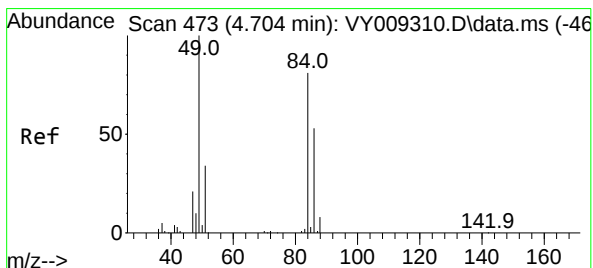
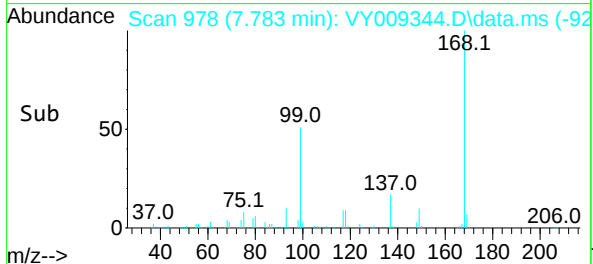
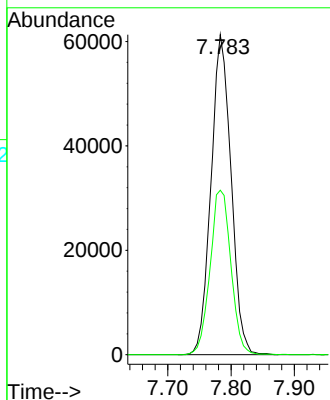
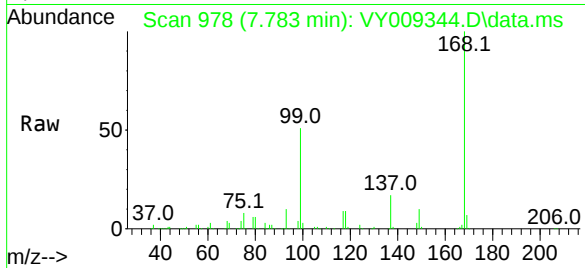




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

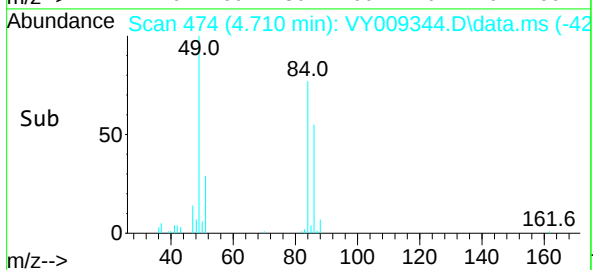
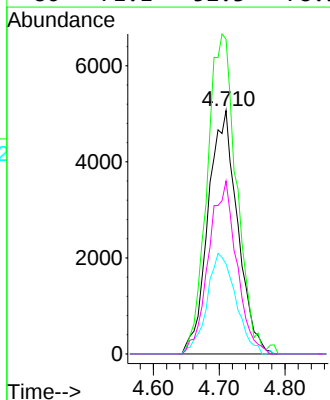
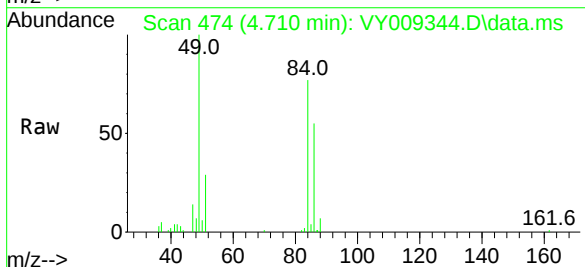
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MSVOA\_Y  
ClientSampleId :  
B2201-35

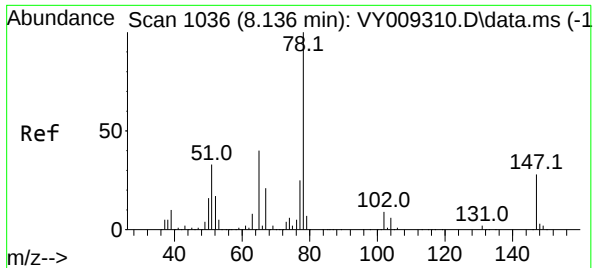
Tgt Ion:168 Resp: 134746  
Ion Ratio Lower Upper  
168 100  
99 51.4 42.1 63.1



#20  
Methylene Chloride  
Concen: 7.774 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

Tgt Ion: 84 Resp: 15797  
Ion Ratio Lower Upper  
84 100  
49 129.3 98.2 147.4  
51 37.1 33.4 50.0  
86 71.1 52.3 78.5

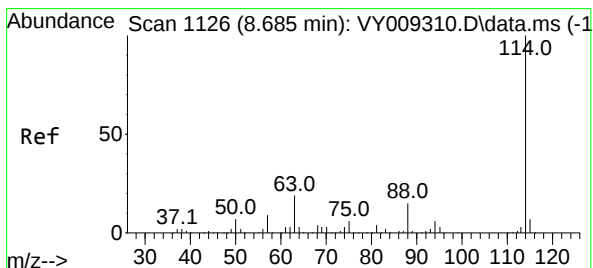
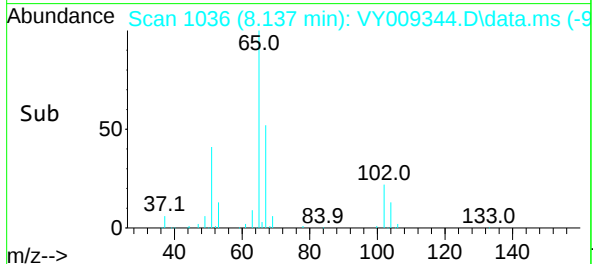
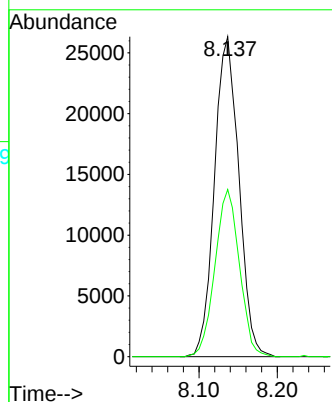
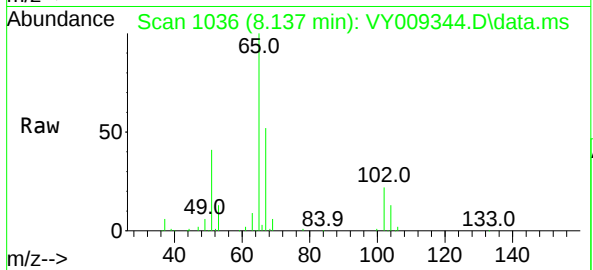




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.857 ug/l  
 RT: 8.137 min Scan# 1036  
 Delta R.T. 0.001 min  
 Lab File: VY009344.D  
 Acq: 27 Jun 2022 15:46

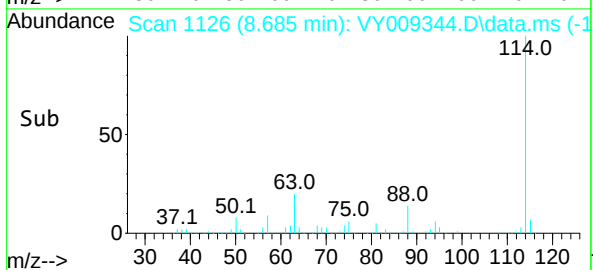
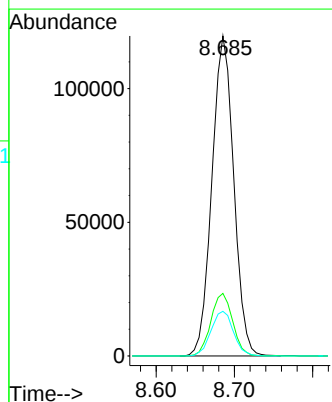
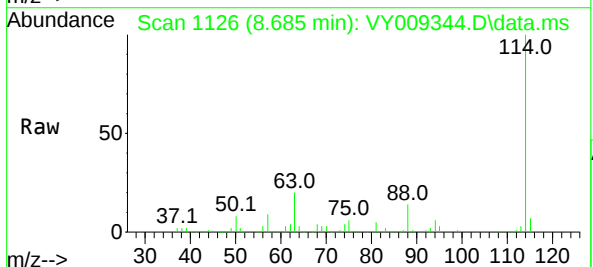
Instrument :  
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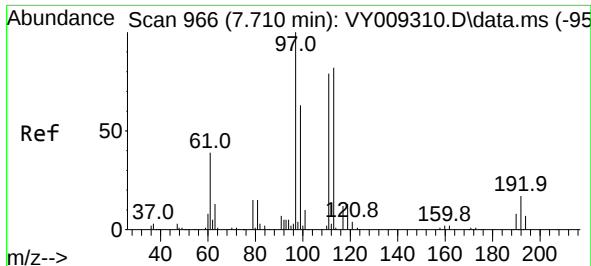
Tgt Ion: 65 Resp: 57062  
 Ion Ratio Lower Upper  
 65 100  
 67 52.3 0.0 108.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.685 min Scan# 1126  
 Delta R.T. 0.000 min  
 Lab File: VY009344.D  
 Acq: 27 Jun 2022 15:46

Tgt Ion: 114 Resp: 231709  
 Ion Ratio Lower Upper  
 114 100  
 63 19.6 0.0 38.0  
 88 13.9 0.0 30.0

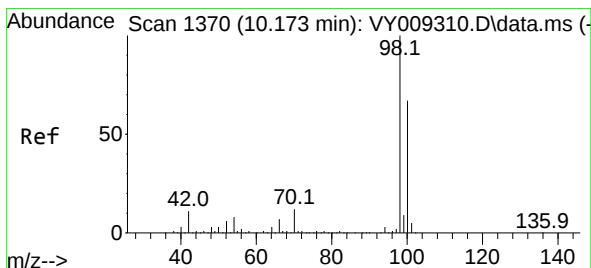
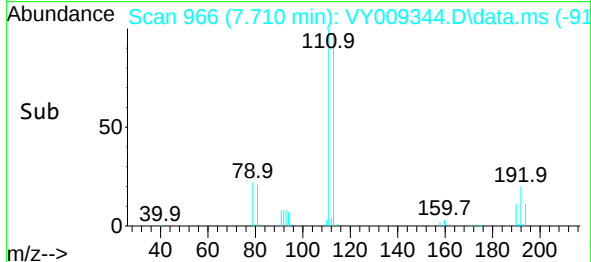
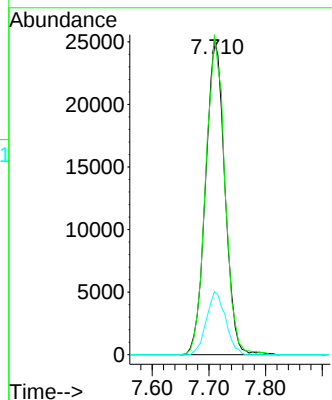
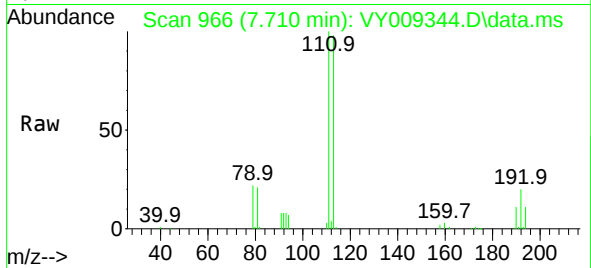




#35  
Dibromofluoromethane  
Concen: 47.479 ug/l  
RT: 7.710 min Scan# 966  
Delta R.T. 0.000 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

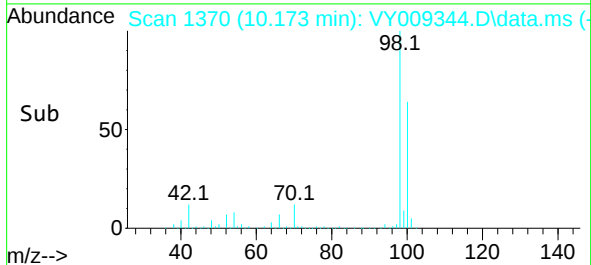
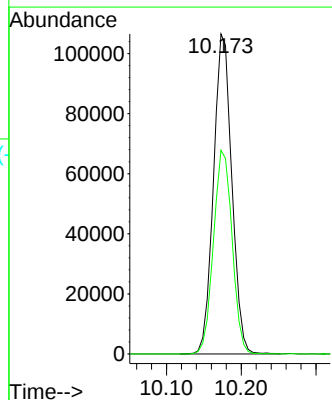
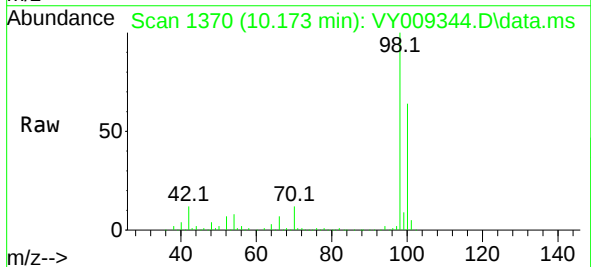
Instrument :  
MSVOA\_Y  
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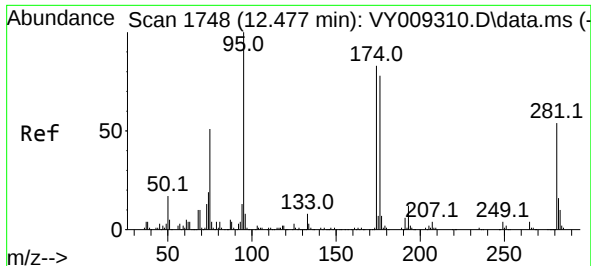
Tgt Ion:113 Resp: 59381  
Ion Ratio Lower Upper  
113 100  
111 100.7 80.6 120.8  
192 19.9 16.2 24.4



#50  
Toluene-d8  
Concen: 49.619 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. -0.000 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

Tgt Ion: 98 Resp: 181505  
Ion Ratio Lower Upper  
98 100  
100 64.8 52.9 79.3

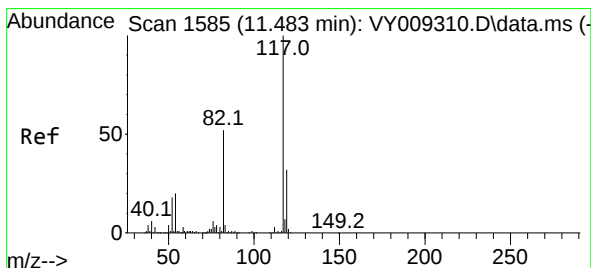
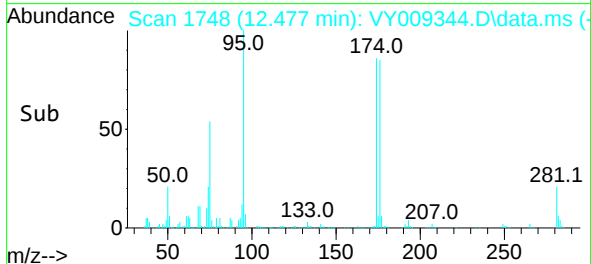
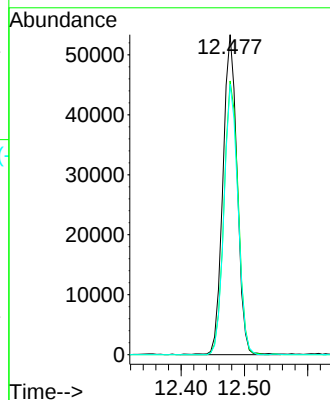
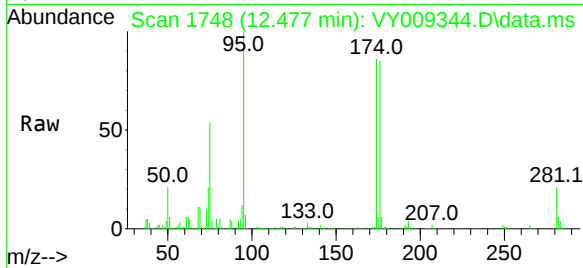




#62  
4-Bromofluorobenzene  
Concen: 46.565 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

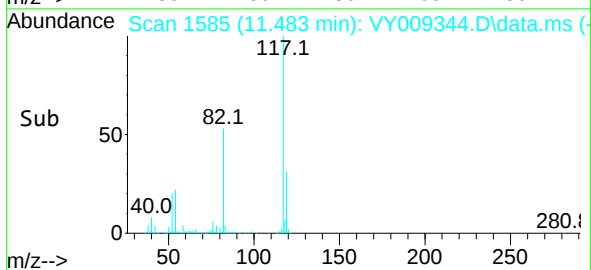
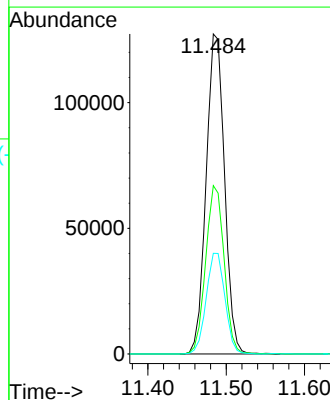
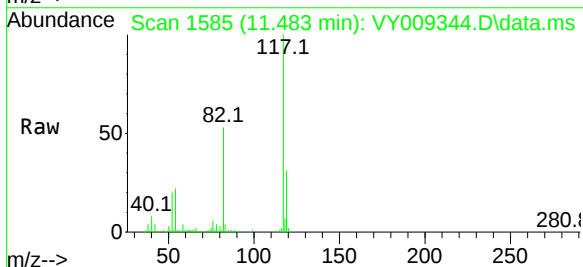
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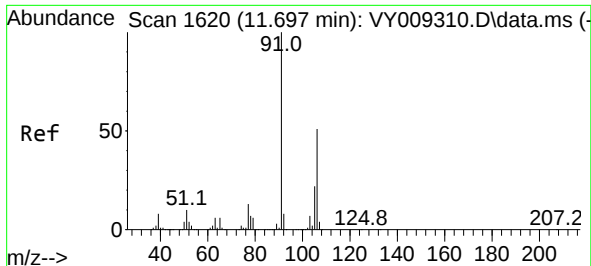
Tgt Ion: 95 Resp: 82943  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 173.8  
176 82.7 0.0 167.0



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.483 min Scan# 1585  
Delta R.T. 0.000 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

Tgt Ion: 117 Resp: 207309  
Ion Ratio Lower Upper  
117 100  
82 52.6 41.8 62.6  
119 31.4 25.6 38.4

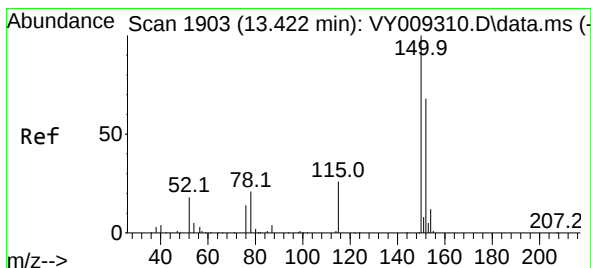
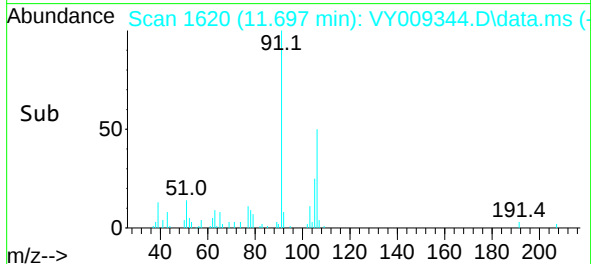
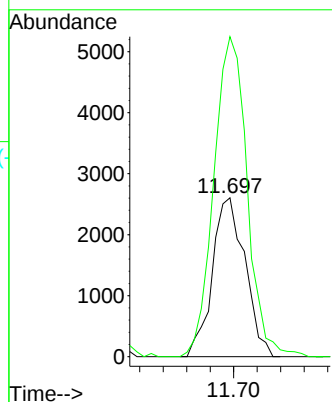
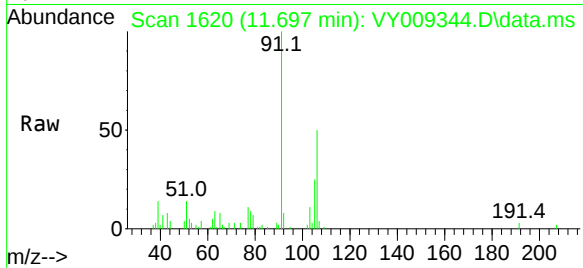




#68  
m/p-Xylenes  
Concen: 1.765 ug/l  
RT: 11.697 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

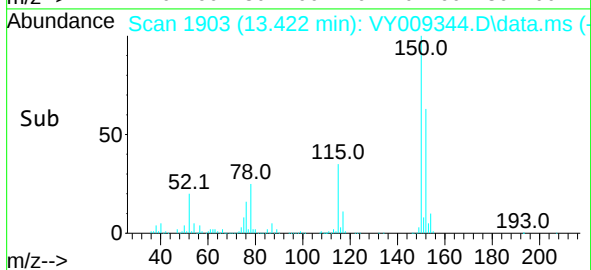
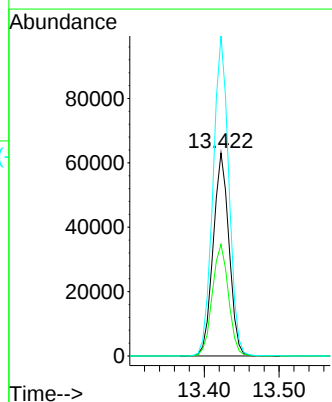
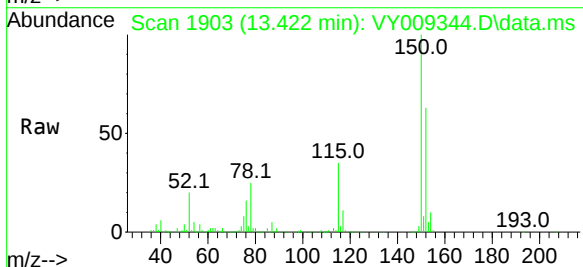
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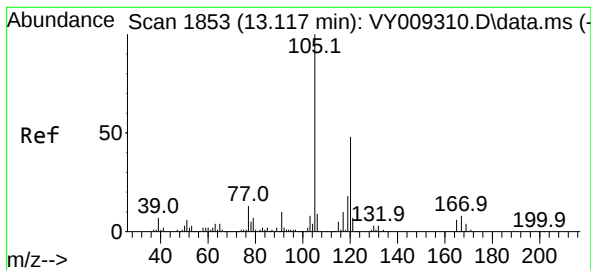
Tgt Ion:106 Resp: 5037  
Ion Ratio Lower Upper  
106 100  
91 205.4 156.2 234.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY009344.D  
Acq: 27 Jun 2022 15:46

Tgt Ion:152 Resp: 92961  
Ion Ratio Lower Upper  
152 100  
115 56.1 28.6 85.9  
150 157.1 0.0 349.8





#84

1,2,4-Trimethylbenzene

Concen: 1.302 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009344.D

Acq: 27 Jun 2022 15:46

Instrument :

MSVOA\_Y

ClientSampleId :

B2201-35

Tgt Ion:105 Resp: 6933

Ion Ratio Lower Upper

105 100

120 50.9 23.4 70.3

