

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY101923\  
 Data File : VY016049.D  
 Acq On : 19 Oct 2023 19:53  
 Operator : SY/MD  
 Sample : 04981-01  
 Misc : 5.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-10192023

Quant Time: Oct 20 05:41:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y101823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 19 03:15:44 2023  
 Response via : Initial Calibration

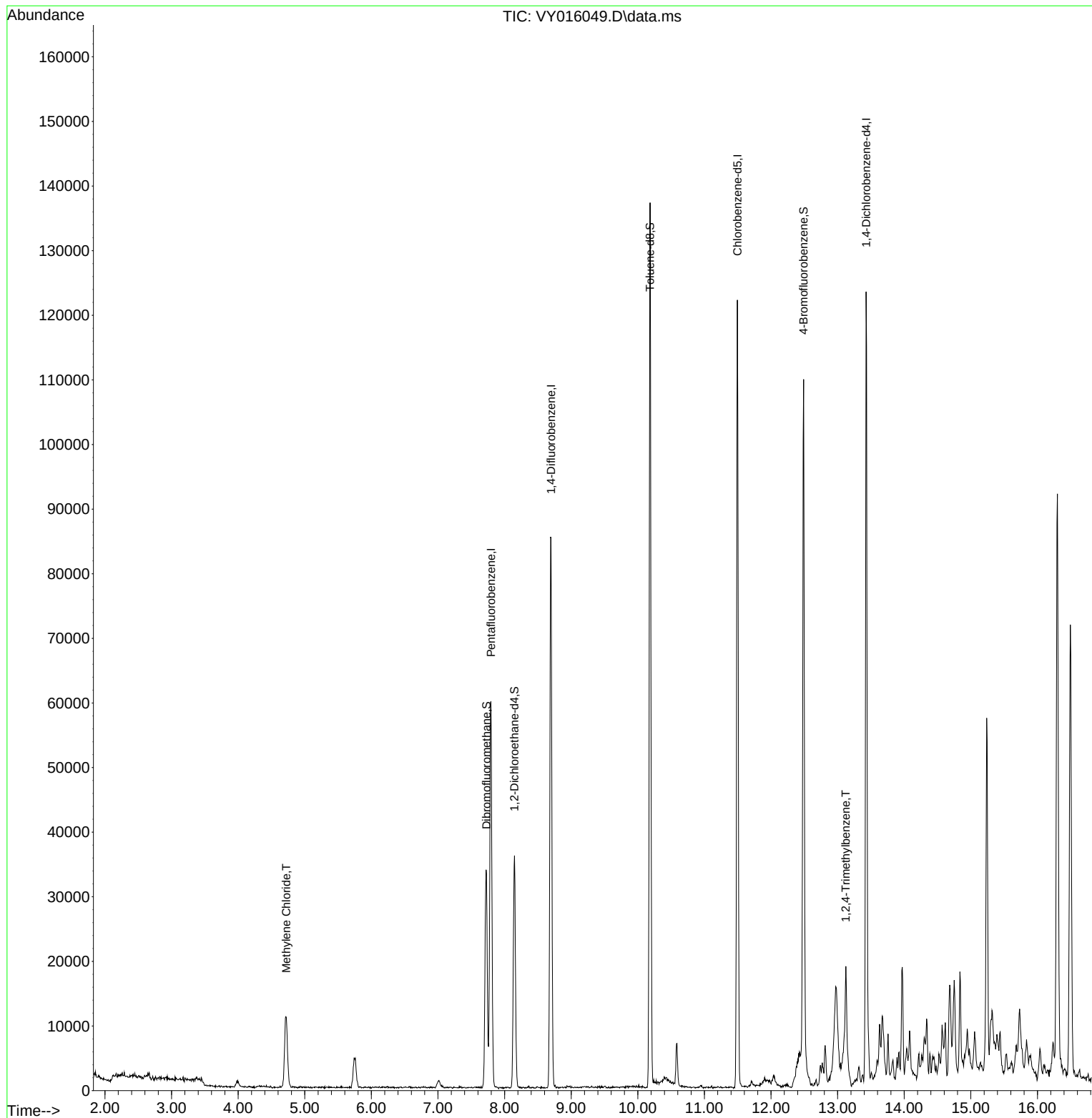
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 47647    | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697  | 114   | 76017    | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 68426    | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 32077    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 29056    | 53.654   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 107.300% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 24490    | 48.945   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.900%  |
| 50) Toluene-d8              | 10.185 | 98    | 87915    | 48.379   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 96.760%  |
| 62) 4-Bromofluorobenzene    | 12.489 | 95    | 28657    | 44.196   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 88.400%  |
| Target Compounds            |        |       |          |          |       |          |
| 20) Methylene Chloride      | 4.722  | 84    | 8904     | 14.931   | ug/l  | 88       |
| 84) 1,2,4-Trimethylbenzene  | 13.123 | 105   | 5914     | 2.997    | ug/l  | 92       |
| -----                       |        |       |          |          |       |          |

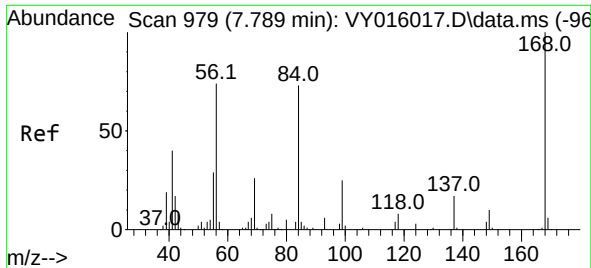
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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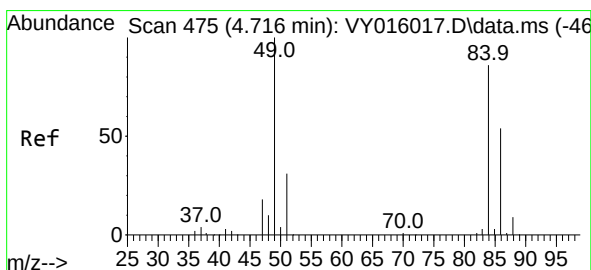
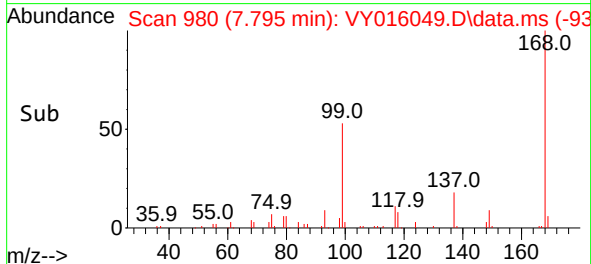
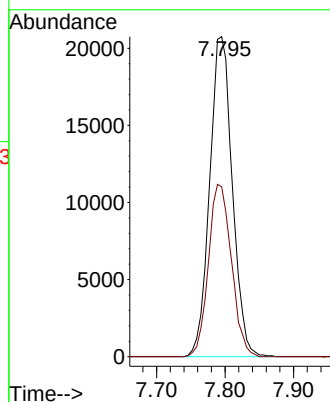
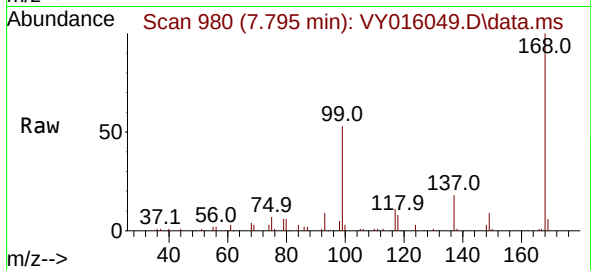




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY016049.D  
Acq: 19 Oct 2023 19:53

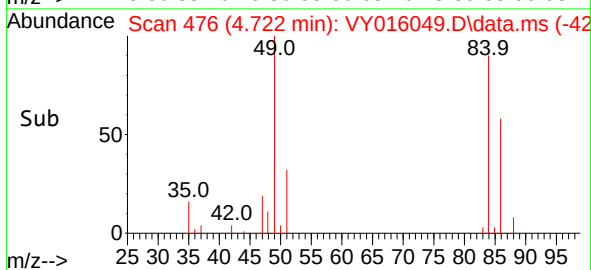
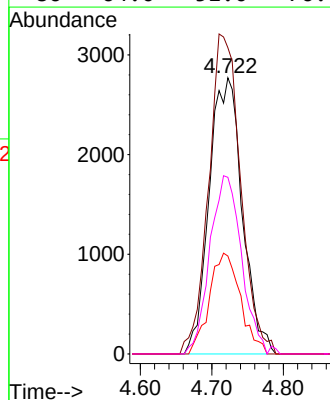
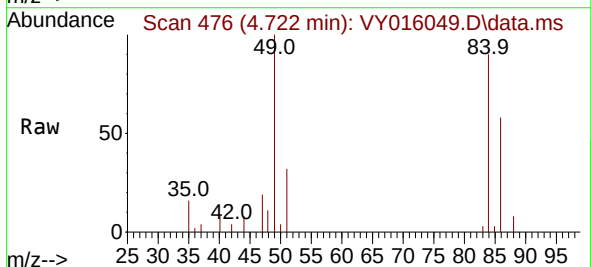
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-10192023

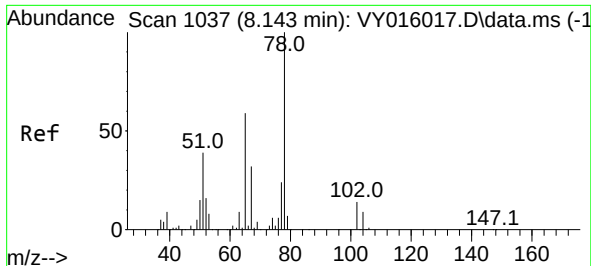
Tgt Ion:168 Resp: 47647  
Ion Ratio Lower Upper  
168 100  
99 53.1 43.4 65.0



#20  
Methylene Chloride  
Concen: 14.931 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY016049.D  
Acq: 19 Oct 2023 19:53

Tgt Ion: 84 Resp: 8904  
Ion Ratio Lower Upper  
84 100  
49 110.9 106.9 160.3  
51 35.5 33.2 49.8  
86 64.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 53.654 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

Instrument :

MSVOA\_Y

ClientSampleId :

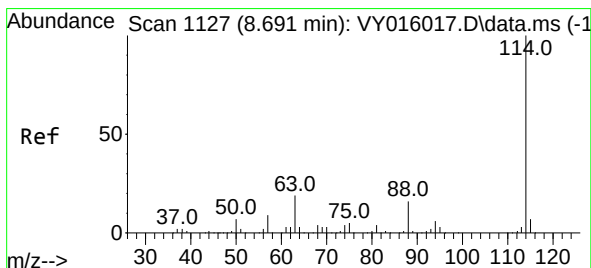
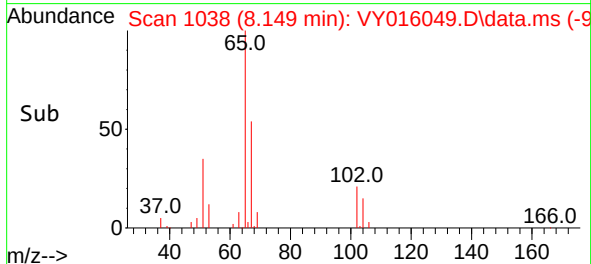
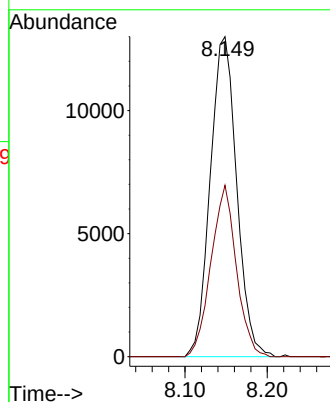
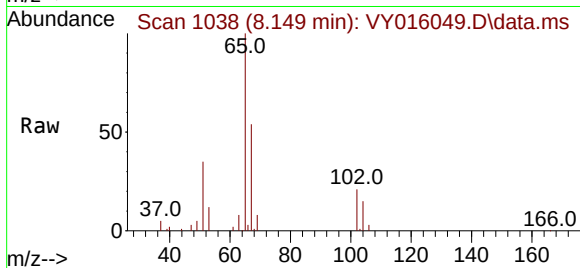
TR-04-10192023

Tgt Ion: 65 Resp: 29056

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY016049.D

Acq: 19 Oct 2023 19:53

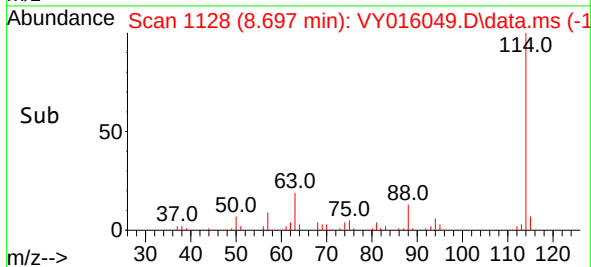
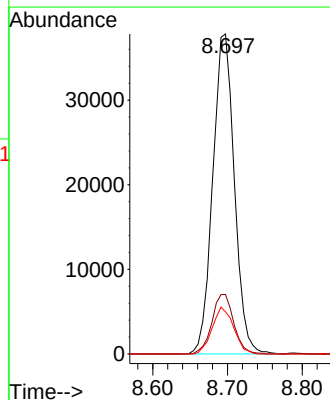
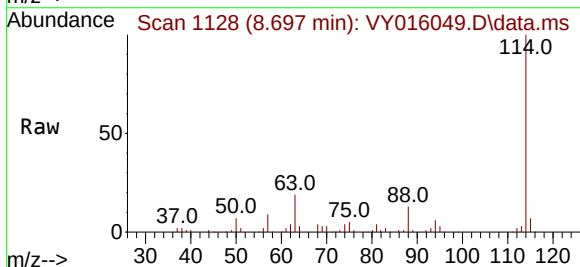
Tgt Ion: 114 Resp: 76017

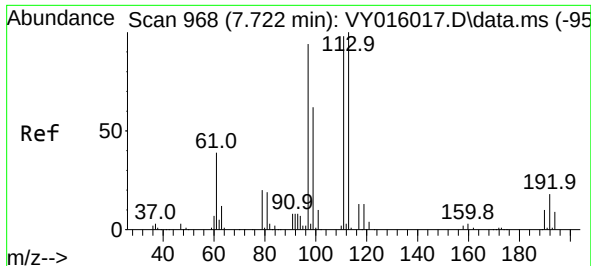
Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 13.2 0.0 30.6

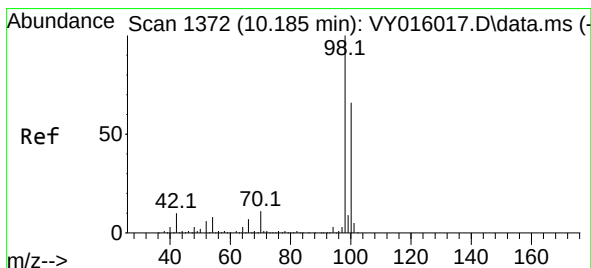
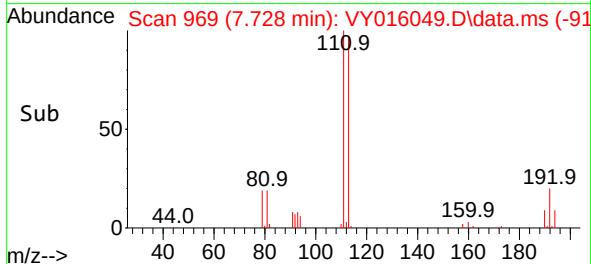
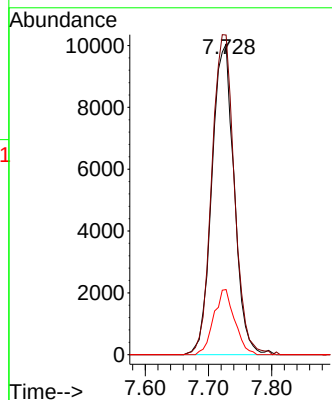
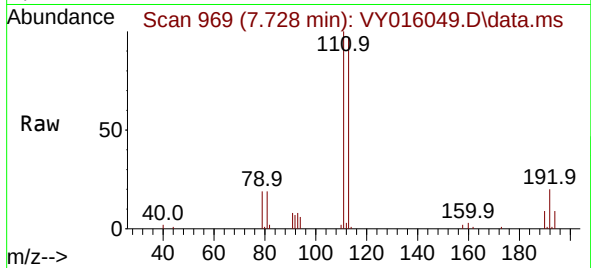




#35  
 Dibromofluoromethane  
 Concen: 48.945 ug/l  
 RT: 7.728 min Scan# 90  
 Delta R.T. 0.006 min  
 Lab File: VY016049.D  
 Acq: 19 Oct 2023 19:53

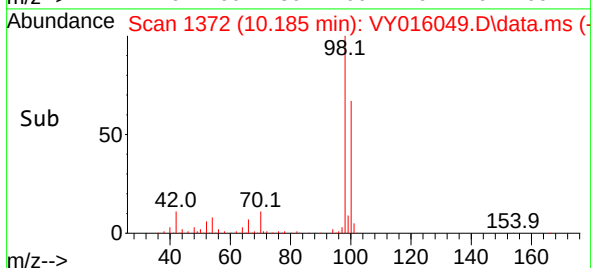
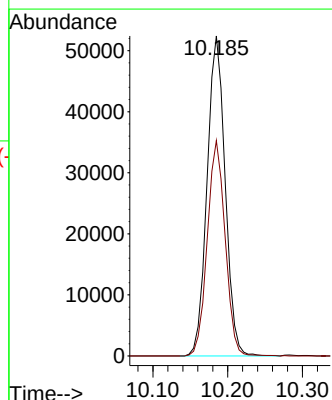
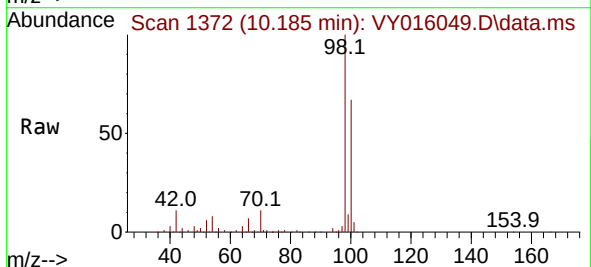
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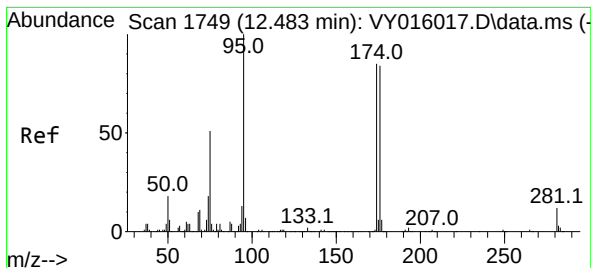
Tgt Ion:113 Resp: 24490  
 Ion Ratio Lower Upper  
 113 100  
 111 104.5 81.3 121.9  
 192 19.7 16.9 25.3



#50  
 Toluene-d8  
 Concen: 48.379 ug/l  
 RT: 10.185 min Scan# 1372  
 Delta R.T. -0.000 min  
 Lab File: VY016049.D  
 Acq: 19 Oct 2023 19:53

Tgt Ion: 98 Resp: 87915  
 Ion Ratio Lower Upper  
 98 100  
 100 66.5 50.1 75.1

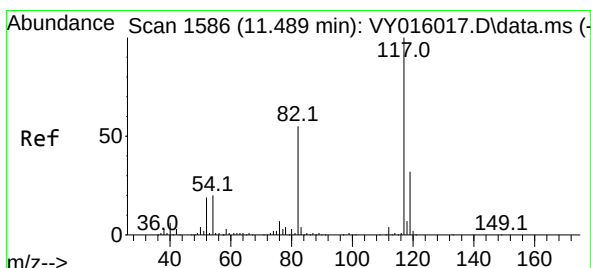
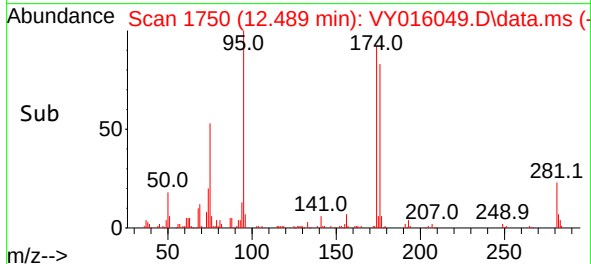
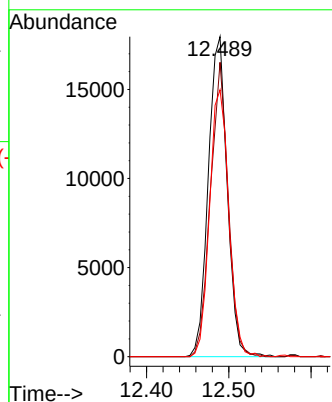
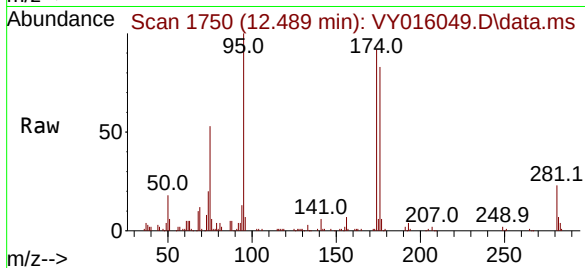




#62  
4-Bromofluorobenzene  
Concen: 44.196 ug/l  
RT: 12.489 min Scan# 1750  
Delta R.T. 0.006 min  
Lab File: VY016049.D  
Acq: 19 Oct 2023 19:53

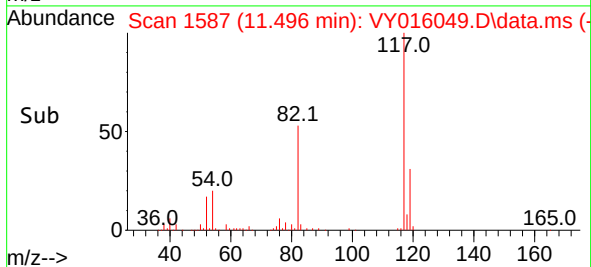
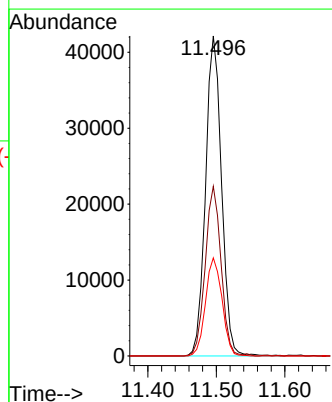
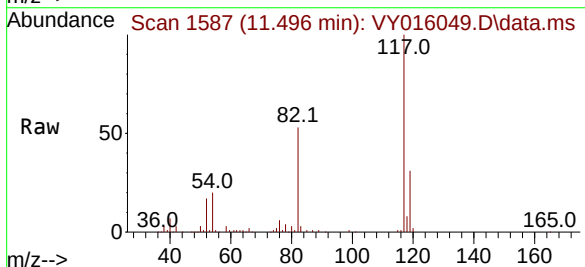
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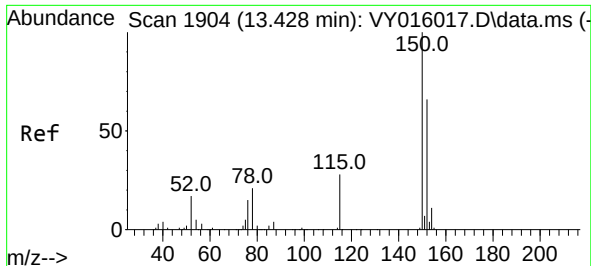
Tgt Ion: 95 Resp: 28657  
Ion Ratio Lower Upper  
95 100  
174 87.1 0.0 178.2  
176 85.1 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.006 min  
Lab File: VY016049.D  
Acq: 19 Oct 2023 19:53

Tgt Ion: 117 Resp: 68426  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.4 65.0  
119 30.6 26.3 39.5

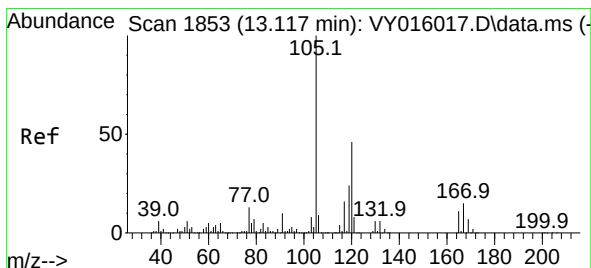
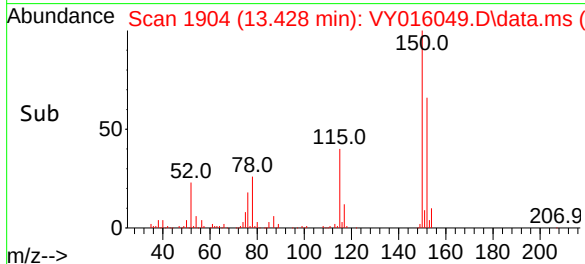
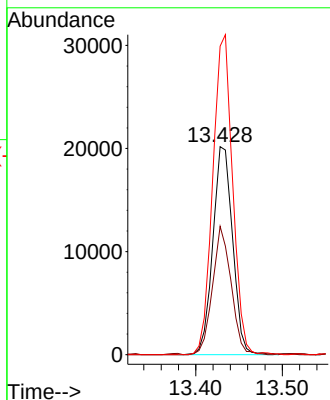
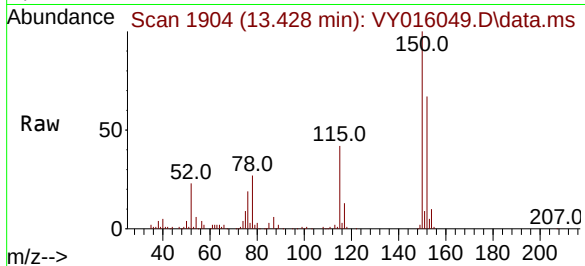




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY016049.D  
 Acq: 19 Oct 2023 19:53

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-10192023

Tgt Ion:152 Resp: 32077  
 Ion Ratio Lower Upper  
 152 100  
 115 57.8 28.8 86.5  
 150 153.8 0.0 348.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.997 ug/l  
 RT: 13.123 min Scan# 1854  
 Delta R.T. 0.006 min  
 Lab File: VY016049.D  
 Acq: 19 Oct 2023 19:53

Tgt Ion:105 Resp: 5914  
 Ion Ratio Lower Upper  
 105 100  
 120 38.9 22.2 66.6

