

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112723\  
 Data File : VY016505.D  
 Acq On : 27 Nov 2023 13:28  
 Operator : SY/MD  
 Sample : 05521-09  
 Misc : 6.56g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SP-3-GRAB

Quant Time: Nov 28 00:16:02 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110823S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 09 00:45:52 2023  
 Response via : Initial Calibration

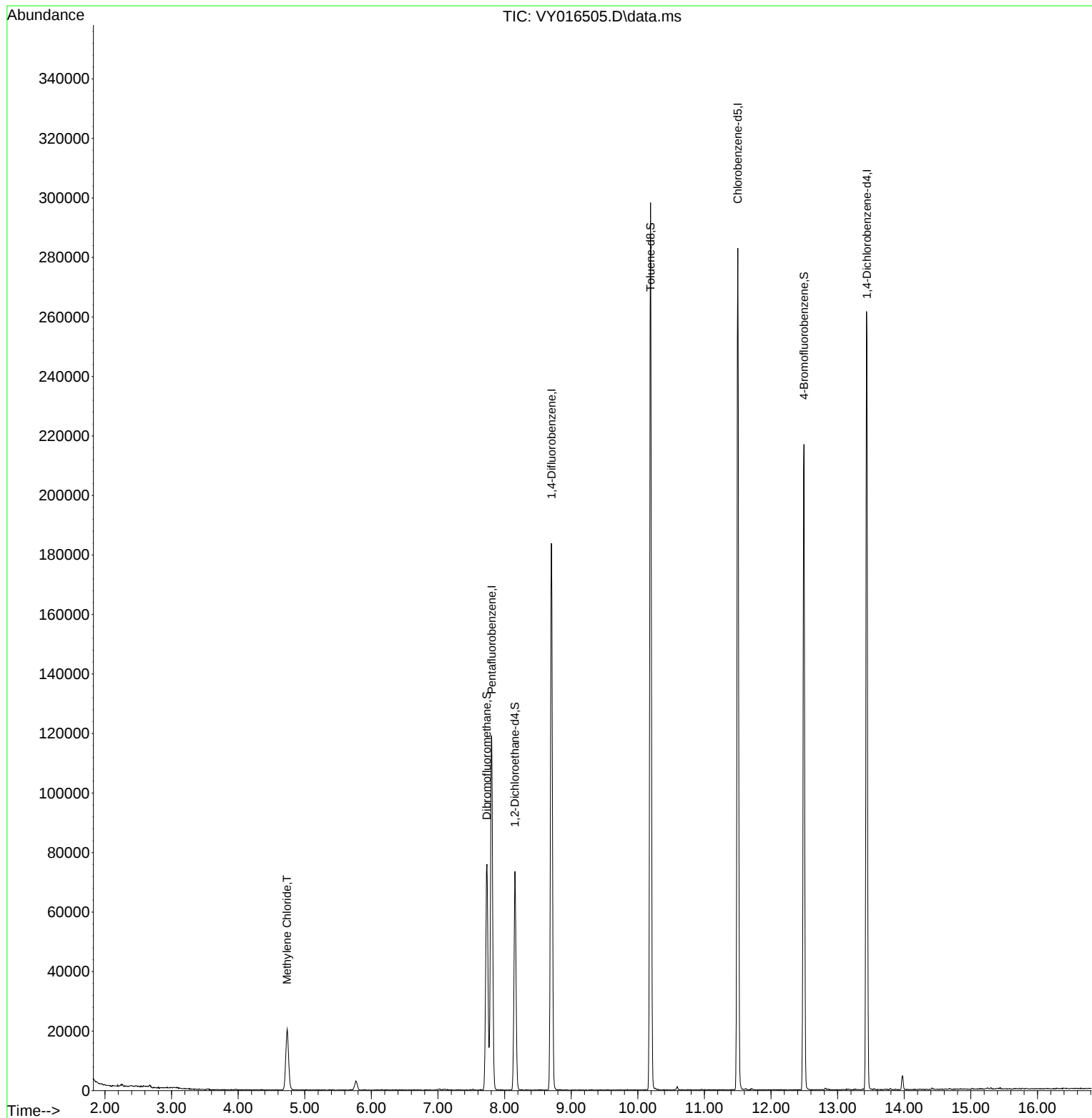
| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.807  | 168   | 98115    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.703  | 114   | 171536   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.502 | 117   | 167115   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.440 | 152   | 73723    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.155  | 65    | 56728    | 63.261   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 126.520% |          |
| 35) Dibromofluoromethane    | 7.734  | 113   | 54941    | 56.383   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 112.760% |          |
| 50) Toluene-d8              | 10.191 | 98    | 201609   | 51.021   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 102.040% |          |
| 62) 4-Bromofluorobenzene    | 12.495 | 95    | 68360    | 53.265   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 106.520% |          |
| Target Compounds            |        |       |          |          |            |          |
|                             |        |       |          |          | Qvalue     |          |
| 20) Methylene Chloride      | 4.735  | 84    | 17205    | 13.906   | ug/l #     | 79       |
| -----                       |        |       |          |          |            |          |

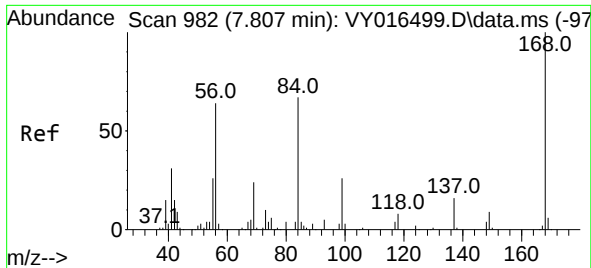
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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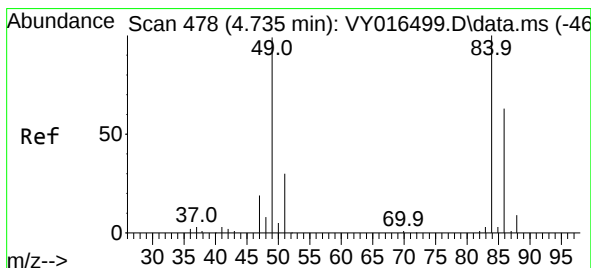
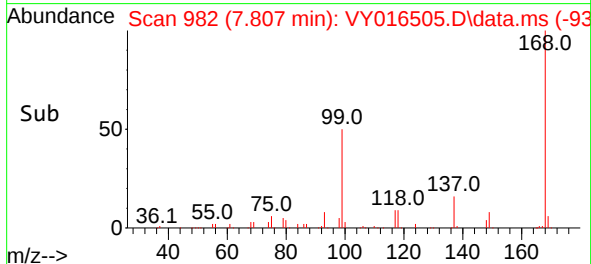
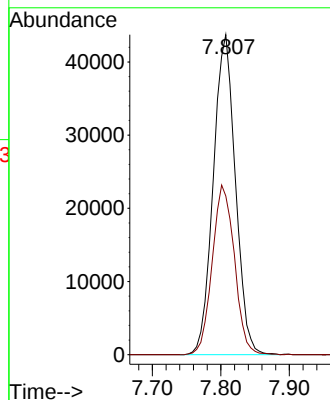
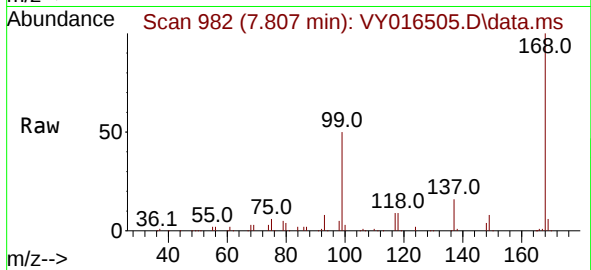




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.807 min Scan# 982  
Delta R.T. 0.006 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

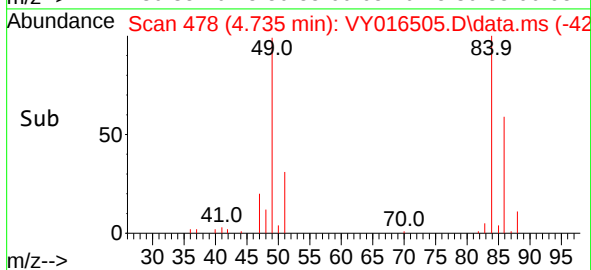
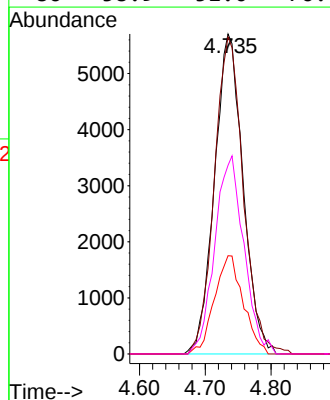
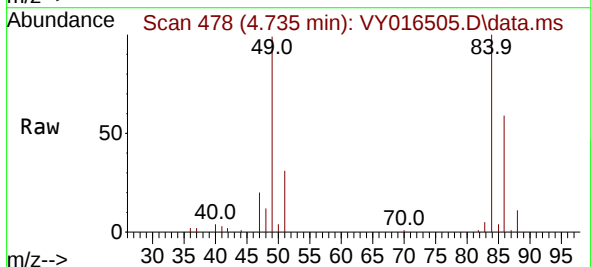
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SP-3-GRAB

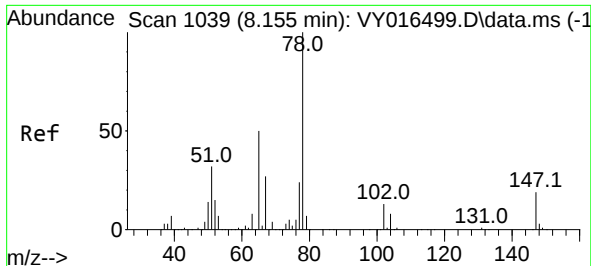
Tgt Ion:168 Resp: 98115  
Ion Ratio Lower Upper  
168 100  
99 49.6 43.4 65.0



#20  
Methylene Chloride  
Concen: 13.906 ug/l  
RT: 4.735 min Scan# 478  
Delta R.T. 0.006 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Tgt Ion: 84 Resp: 17205  
Ion Ratio Lower Upper  
84 100  
49 99.1 106.9 160.3#  
51 30.7 33.2 49.8#  
86 58.9 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 63.261 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY016505.D

Acq: 27 Nov 2023 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

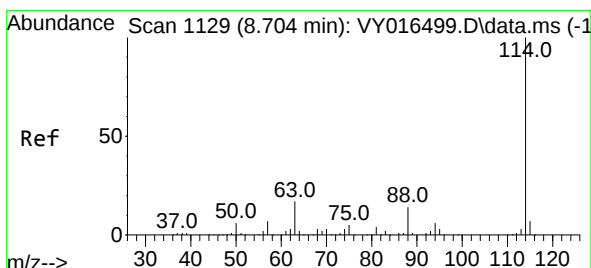
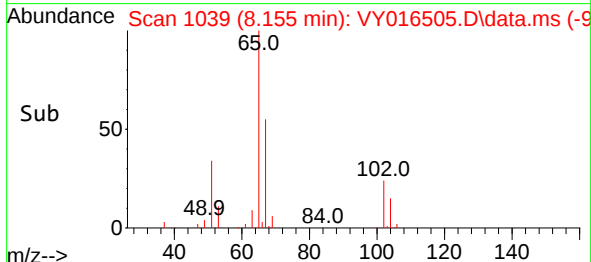
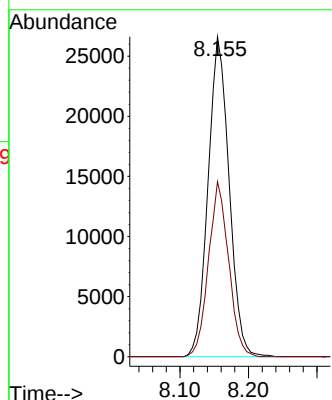
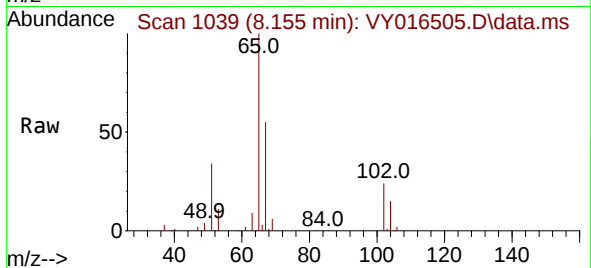
SP-3-GRAB

Tgt Ion: 65 Resp: 56728

Ion Ratio Lower Upper

65 100

67 52.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VY016505.D

Acq: 27 Nov 2023 13:28

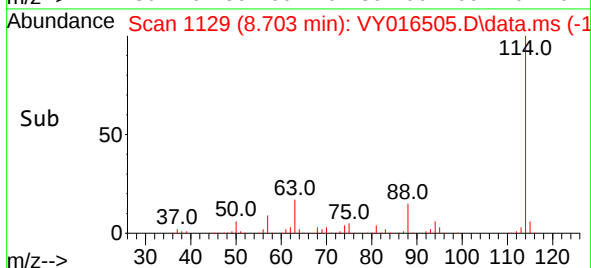
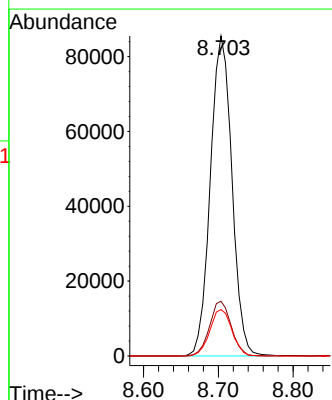
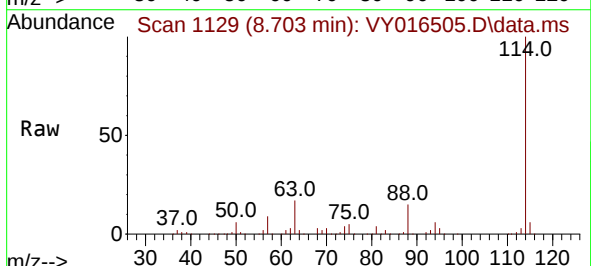
Tgt Ion: 114 Resp: 171536

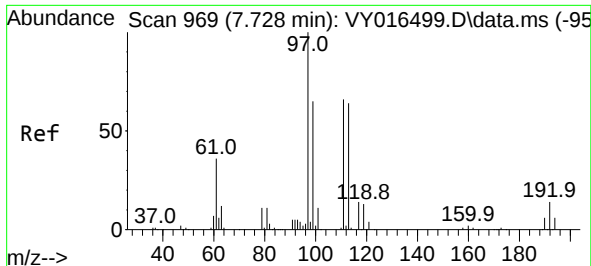
Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 14.5 0.0 30.6

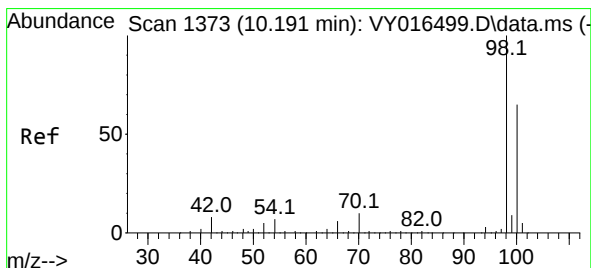
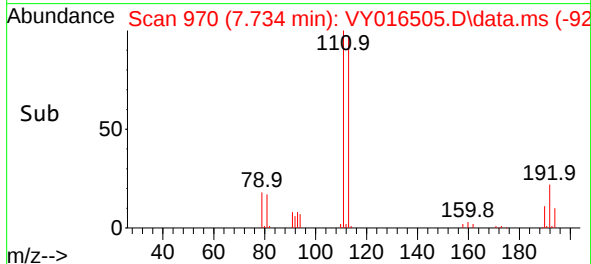
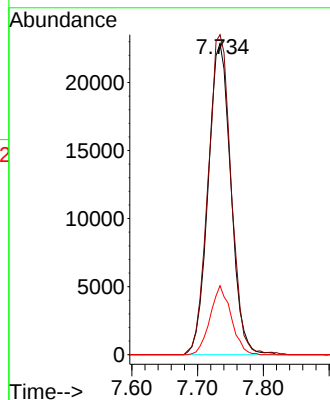
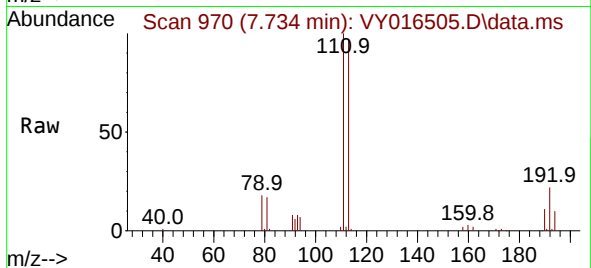




#35  
Dibromofluoromethane  
Concen: 56.383 ug/l  
RT: 7.734 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

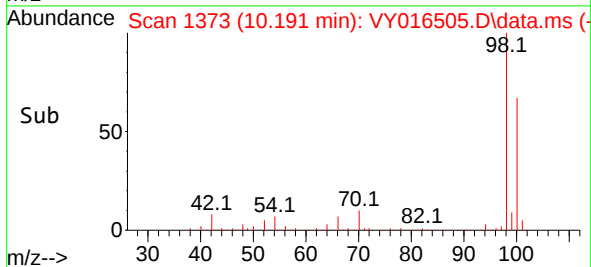
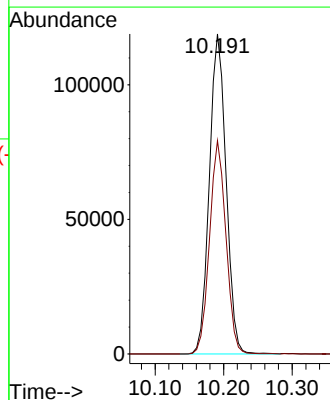
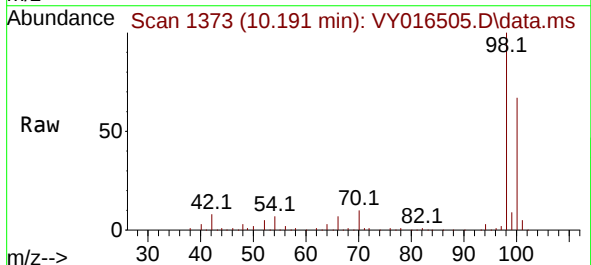
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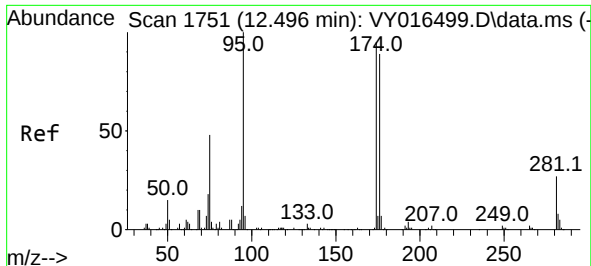
Tgt Ion:113 Resp: 54941  
Ion Ratio Lower Upper  
113 100  
111 104.0 81.3 121.9  
192 20.6 16.9 25.3



#50  
Toluene-d8  
Concen: 51.021 ug/l  
RT: 10.191 min Scan# 1373  
Delta R.T. -0.000 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Tgt Ion: 98 Resp: 201609  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.1 75.1

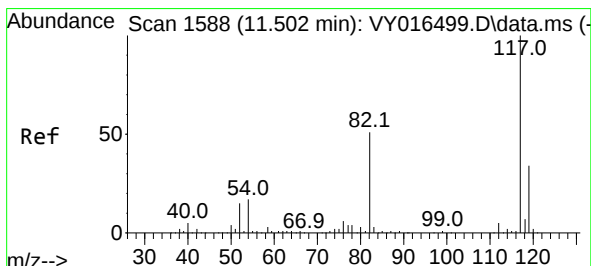
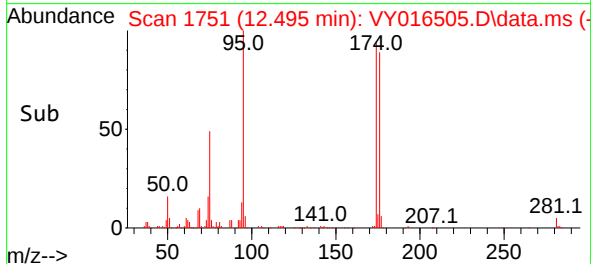
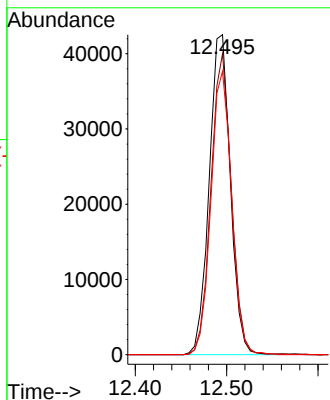
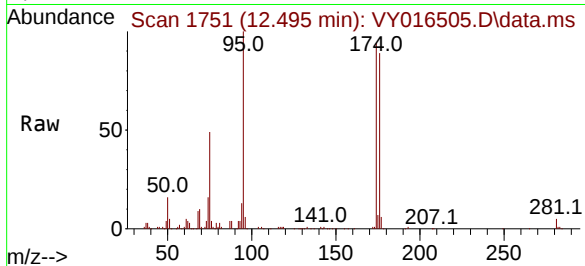




#62  
4-Bromofluorobenzene  
Concen: 53.265 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.006 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

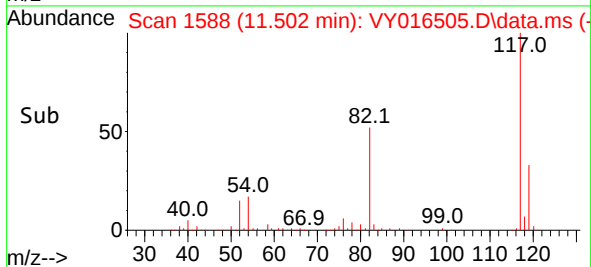
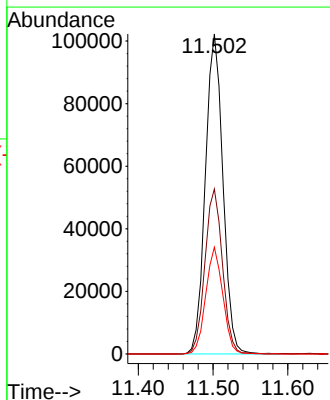
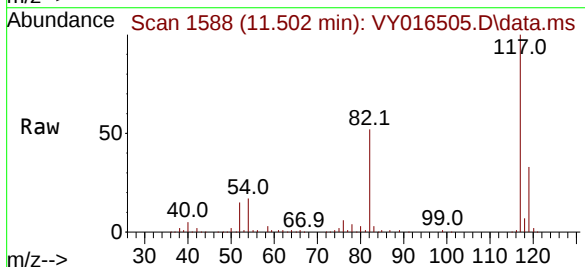
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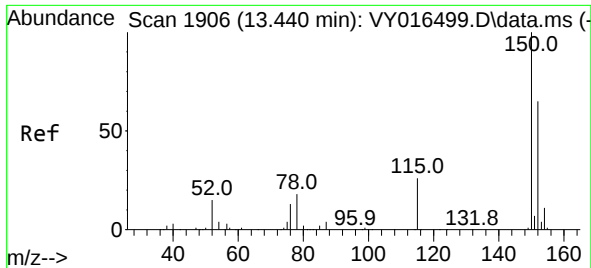
Tgt Ion: 95 Resp: 68360  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 178.2  
176 87.0 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.502 min Scan# 1588  
Delta R.T. -0.000 min  
Lab File: VY016505.D  
Acq: 27 Nov 2023 13:28

Tgt Ion: 117 Resp: 167115  
Ion Ratio Lower Upper  
117 100  
82 51.5 43.4 65.0  
119 33.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY016505.D

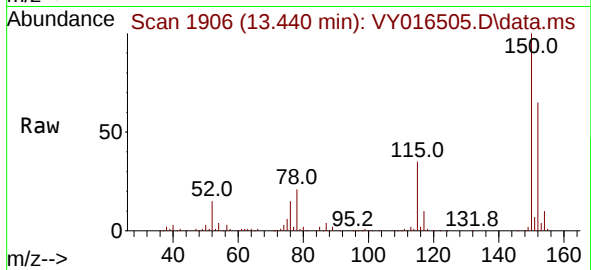
Acq: 27 Nov 2023 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

SP-3-GRAB



Tgt Ion:152 Resp: 73723

Ion Ratio Lower Upper

152 100

115 57.3 28.8 86.5

150 158.5 0.0 348.8

