

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091522\  
 Data File : VY010505.D  
 Acq On : 15 Sep 2022 12:57  
 Operator : KP/MD  
 Sample : N4588-02  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 40152

Quant Time: Sep 15 16:03:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090922S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 09 17:08:30 2022  
 Response via : Initial Calibration

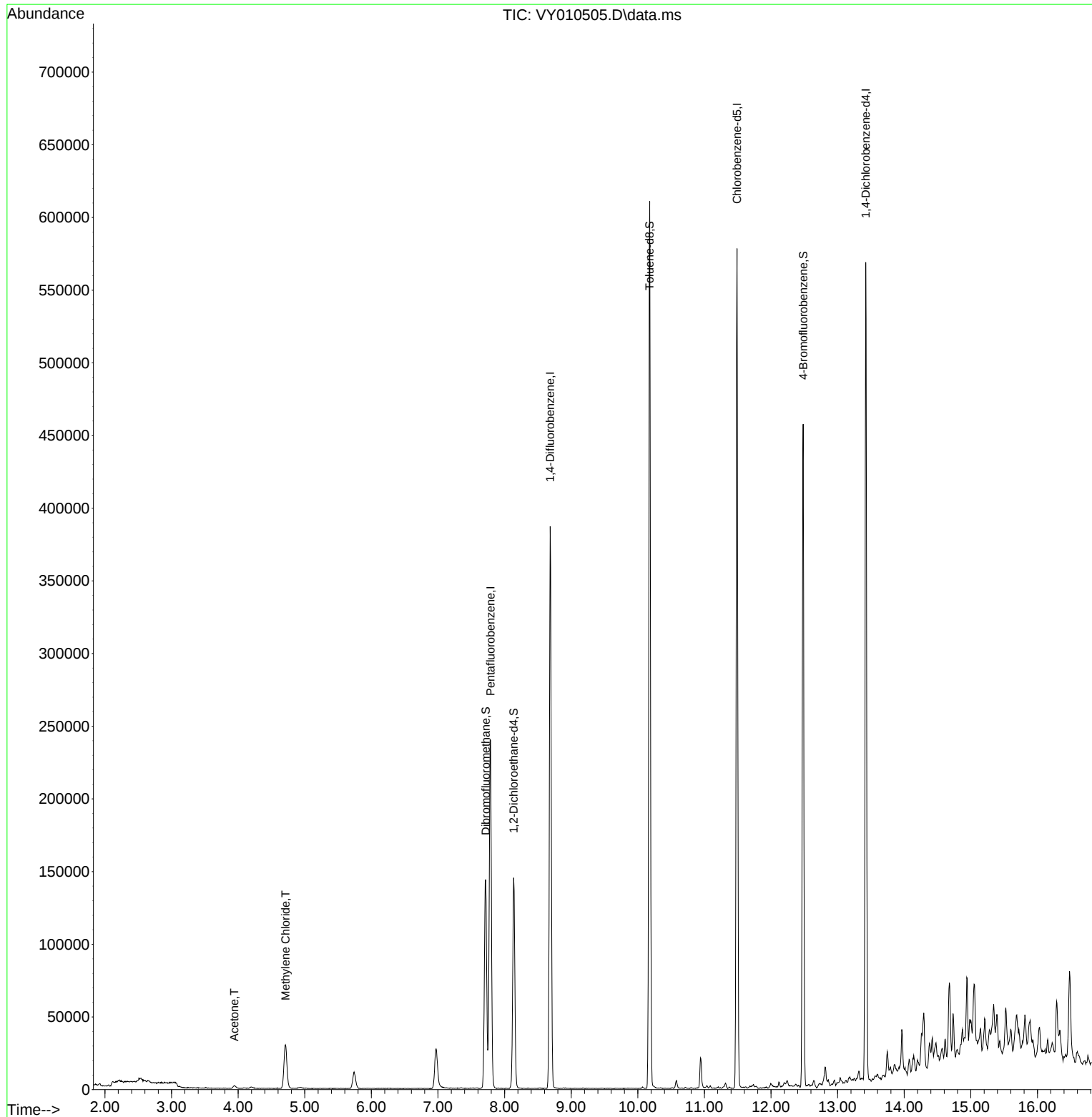
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 191974   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685  | 114   | 331318   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 318210   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 147081   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 112112   | 57.984   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 115.960% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 103716   | 44.077   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 88.160%  |
| 50) Toluene-d8              | 10.179 | 98    | 398063   | 52.198   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =      | 104.400% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 137192   | 44.738   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =      | 89.480%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.942  | 43    | 3266     | 7.361    | ug/l   | 95       |
| 20) Methylene Chloride      | 4.710  | 84    | 23940    | 4.953    | ug/l # | 83       |
| -----                       |        |       |          |          |        |          |

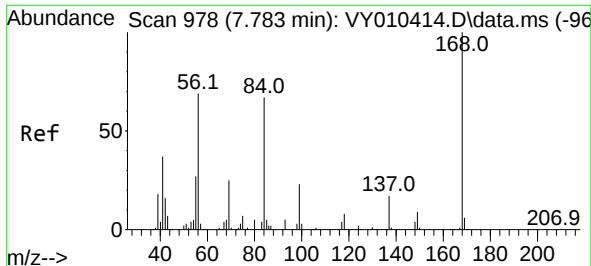
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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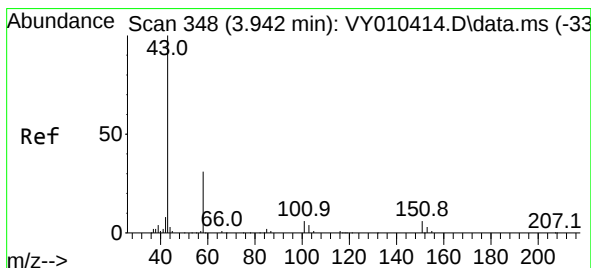
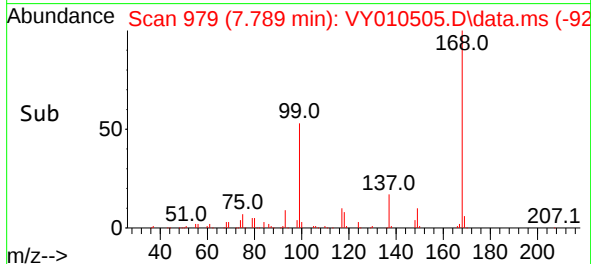
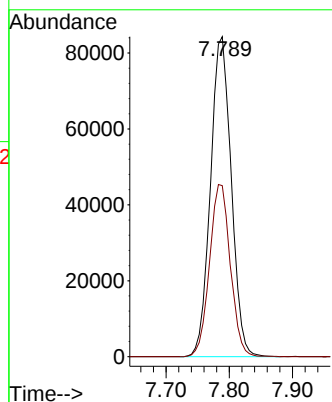
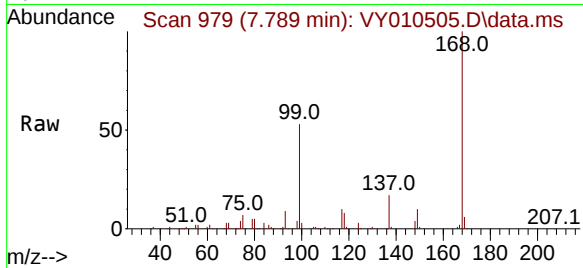




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

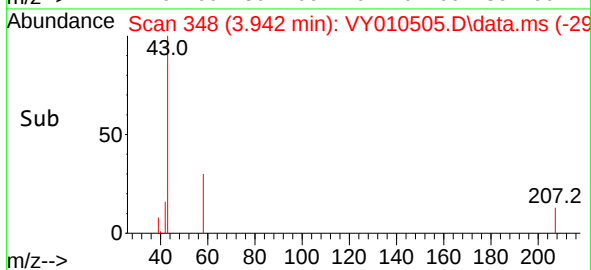
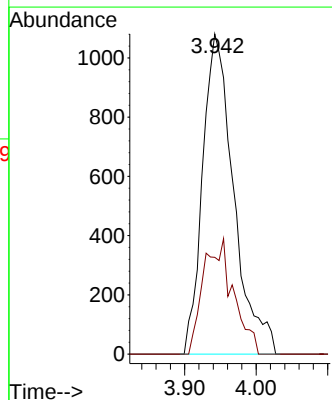
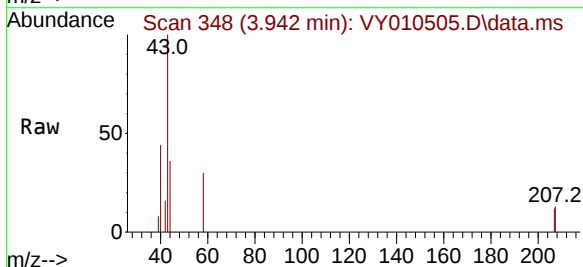
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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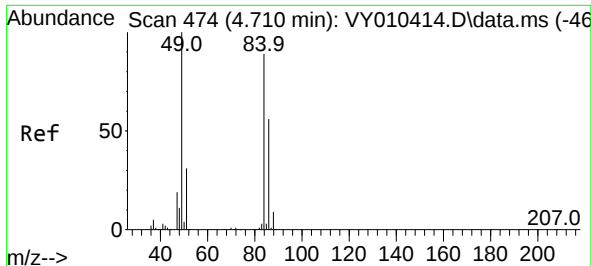
Tgt Ion:168 Resp: 191974  
Ion Ratio Lower Upper  
168 100  
99 53.5 46.9 70.3



#16  
Acetone  
Concen: 7.361 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

Tgt Ion: 43 Resp: 3266  
Ion Ratio Lower Upper  
43 100  
58 30.2 22.0 33.0

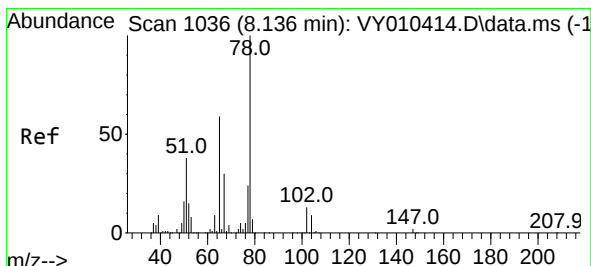
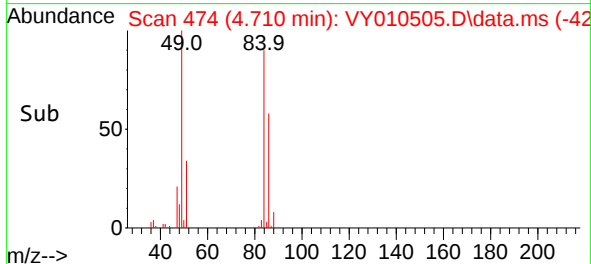
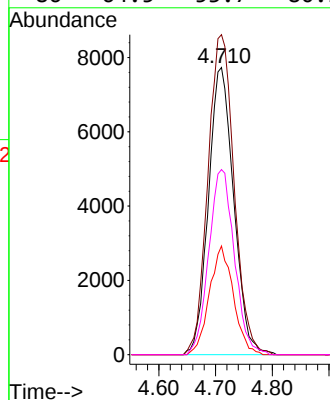
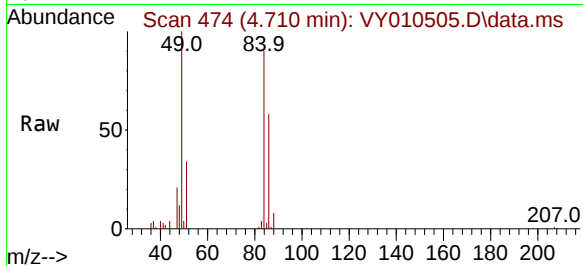




#20  
Methylene Chloride  
Concen: 4.953 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

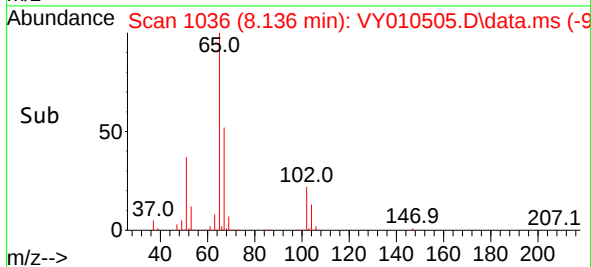
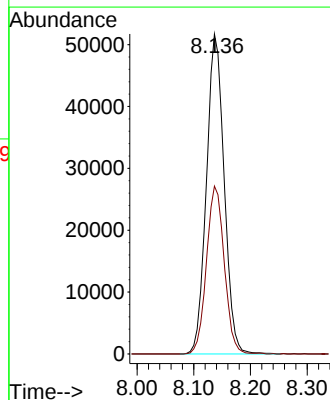
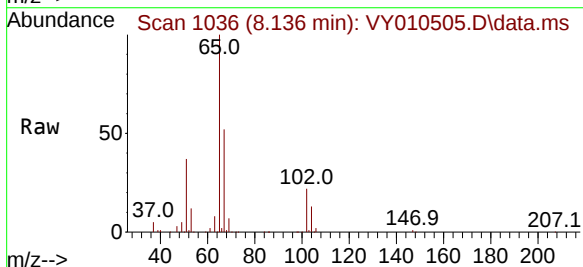
Instrument :  
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ClientSampleId :  
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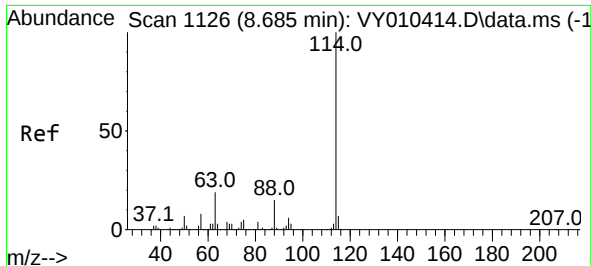
Tgt Ion: 84 Resp: 23940  
Ion Ratio Lower Upper  
84 100  
49 111.4 114.4 171.6#  
51 37.9 35.3 52.9  
86 64.5 53.7 80.5



#33  
1,2-Dichloroethane-d4  
Concen: 57.984 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. 0.000 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

Tgt Ion: 65 Resp: 112112  
Ion Ratio Lower Upper  
65 100  
67 52.6 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: VY010505.D

Acq: 15 Sep 2022 12:57

Instrument :

MSVOA\_Y

ClientSampleId :

40152

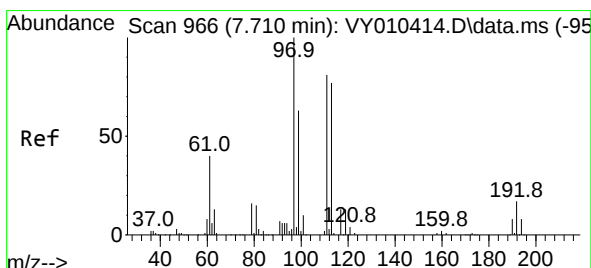
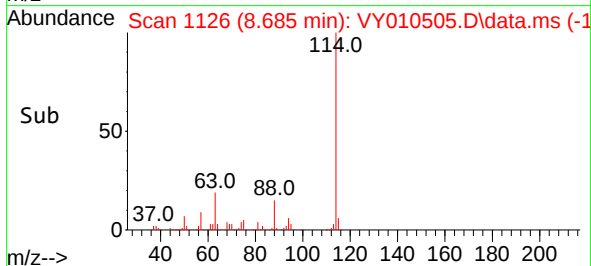
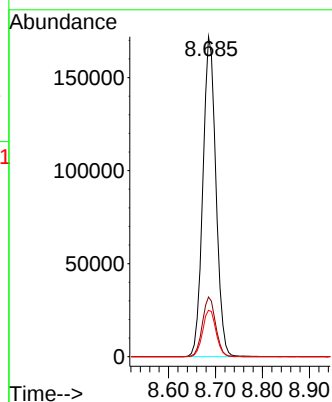
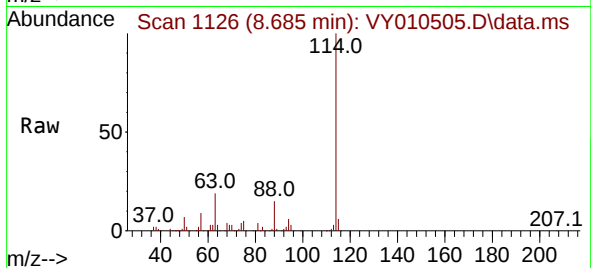
Tgt Ion:114 Resp: 331318

Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 14.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.077 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010505.D

Acq: 15 Sep 2022 12:57

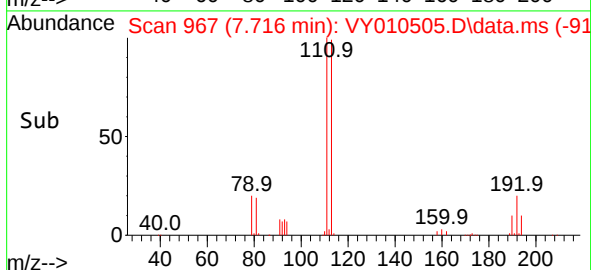
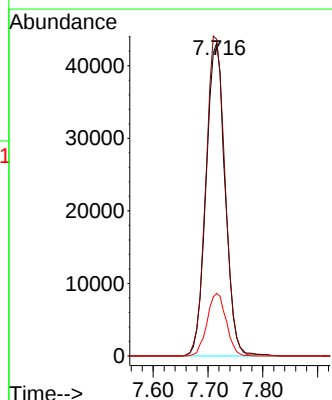
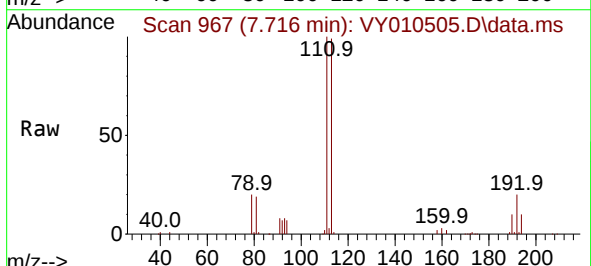
Tgt Ion:113 Resp: 103716

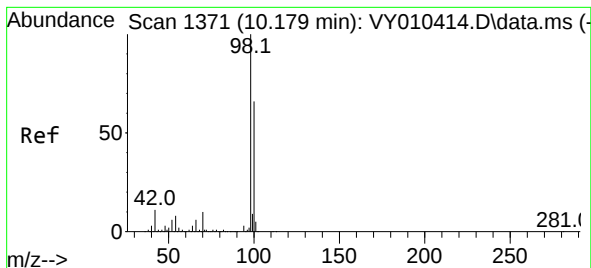
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 20.1 17.6 26.4

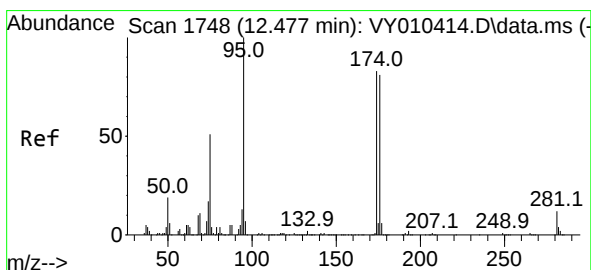
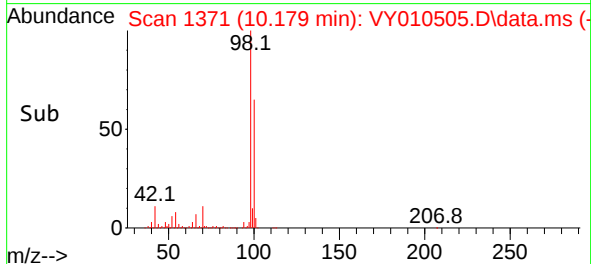
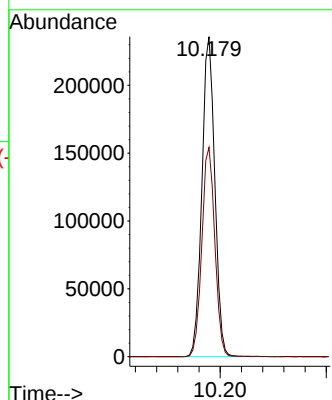
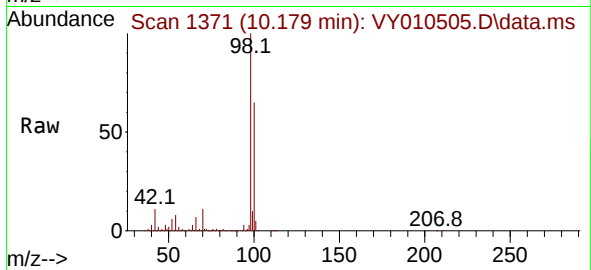




#50  
Toluene-d8  
Concen: 52.198 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

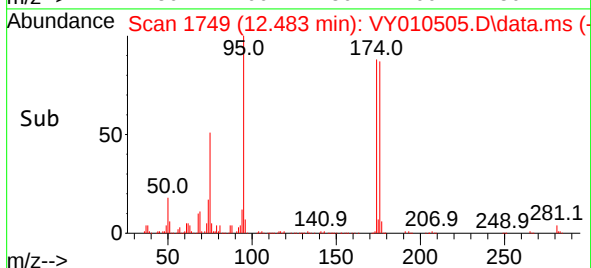
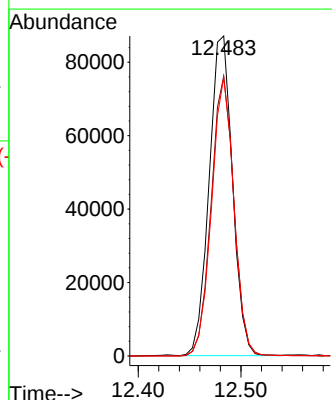
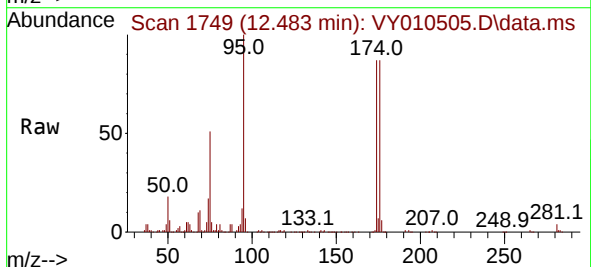
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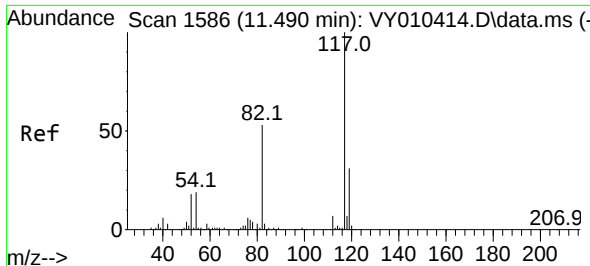
Tgt Ion: 98 Resp: 398063  
Ion Ratio Lower Upper  
98 100  
100 65.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 44.738 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

Tgt Ion: 95 Resp: 137192  
Ion Ratio Lower Upper  
95 100  
174 85.1 0.0 177.0  
176 83.4 0.0 175.8

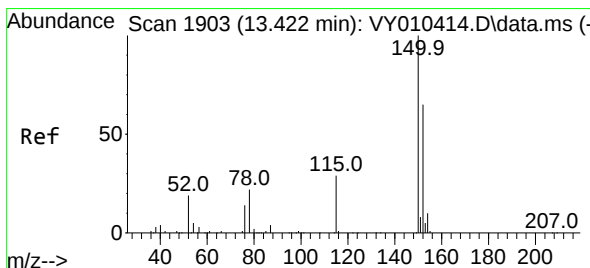
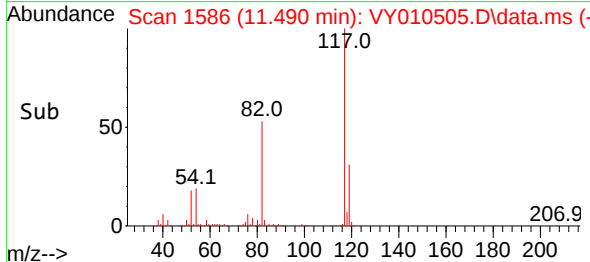
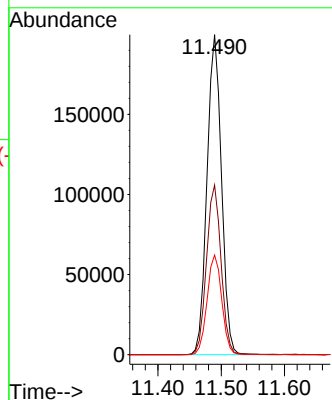
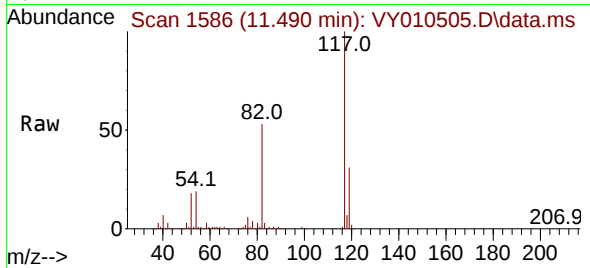




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion:117 Resp: 318210  
Ion Ratio Lower Upper  
117 100  
82 53.0 43.0 64.4  
119 31.2 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY010505.D  
Acq: 15 Sep 2022 12:57

Tgt Ion:152 Resp: 147081  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.2 84.7  
150 155.8 0.0 347.6

