

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083123\  
 Data File : VY015400.D  
 Acq On : 31 Aug 2023 13:51  
 Operator : SY/MD  
 Sample : 04210-01RE  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TR-04-082923RE

Quant Time: Sep 01 00:46:27 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

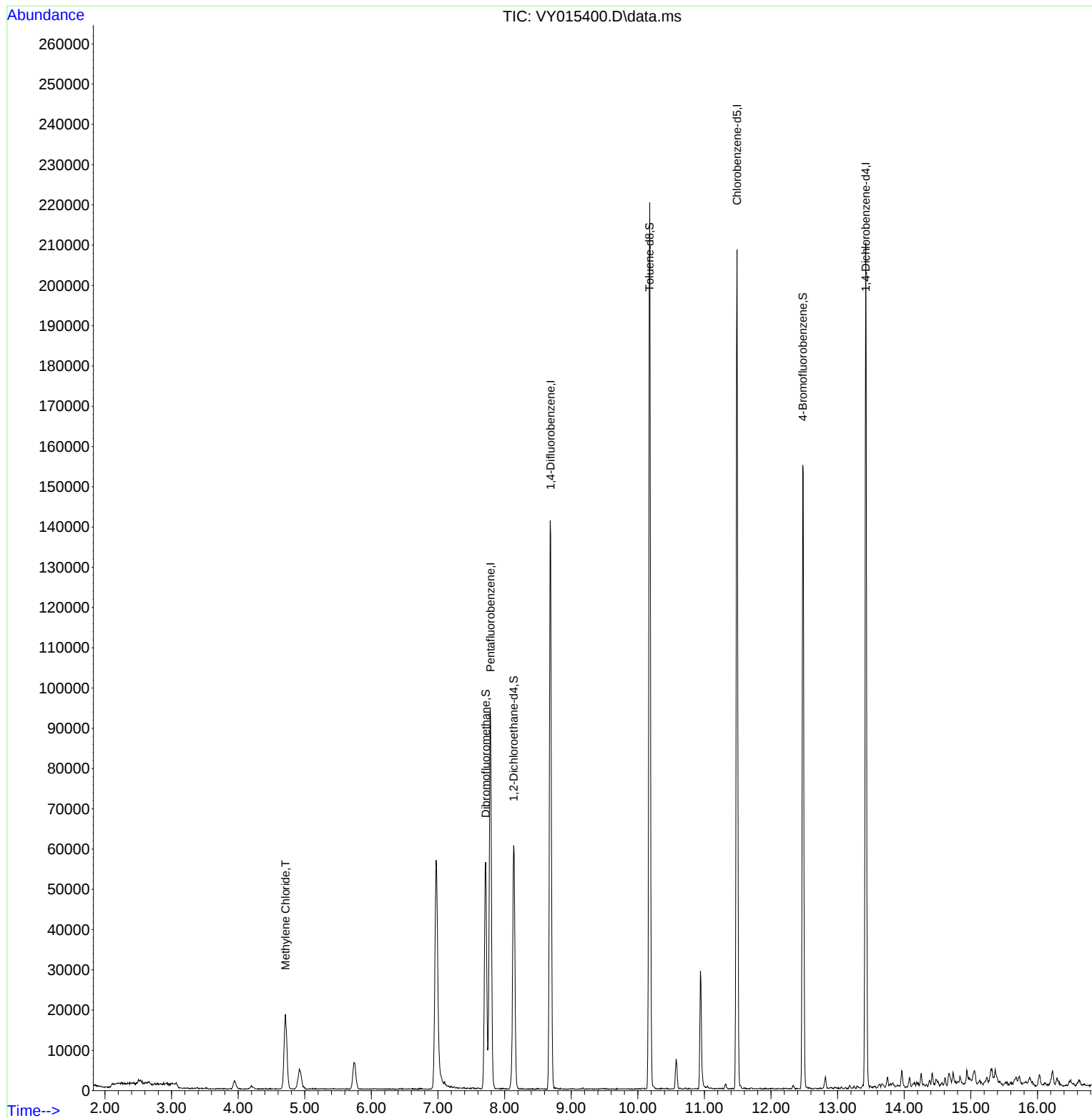
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|--------|----------|----------|
| -----                       |           |                |          |        |          |          |
| Internal Standards          |           |                |          |        |          |          |
| 1) Pentafluorobenzene       | 7.789     | 168            | 74010    | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691     | 114            | 122118   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117            | 110924   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152            | 51853    | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65             | 47931    | 60.414 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | =      | 120.820% |          |
| 35) Dibromofluoromethane    | 7.716     | 113            | 40006    | 56.877 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | =      | 113.760% |          |
| 50) Toluene-d8              | 10.179    | 98             | 144146   | 56.590 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 58 - 134 | Recovery | =      | 113.180% |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95             | 46563    | 49.241 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 30 - 143 | Recovery | =      | 98.480%  |          |
| Target Compounds            |           |                |          |        |          |          |
|                             |           |                |          |        |          | Qvalue   |
| 20) Methylene Chloride      | 4.710     | 84             | 13778    | 7.567  | ug/l     | 93       |
| -----                       |           |                |          |        |          |          |

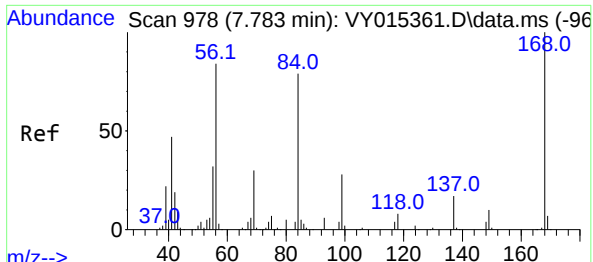
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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TR-04-082923RE

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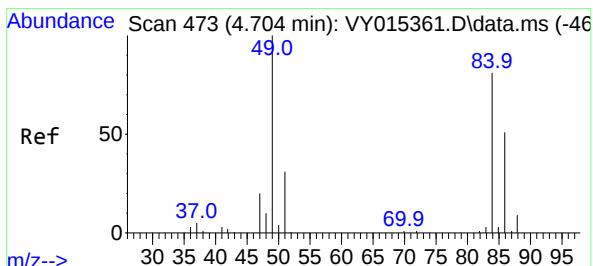
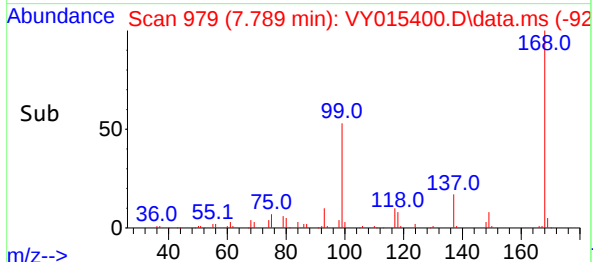
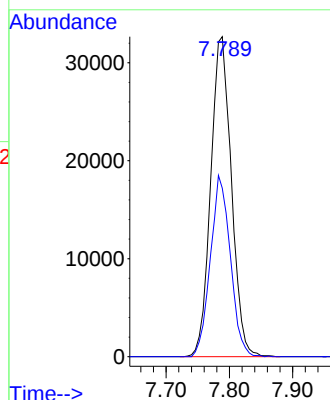
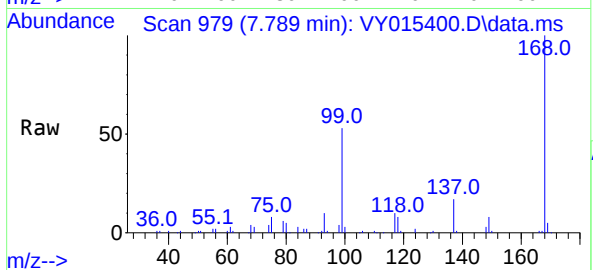




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015400.D  
Acq: 31 Aug 2023 13:51

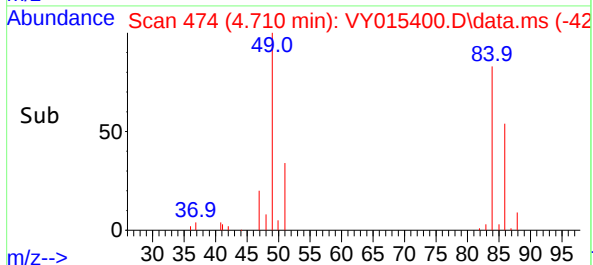
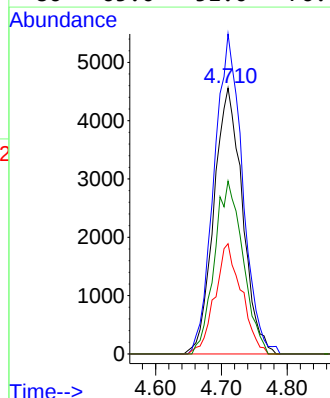
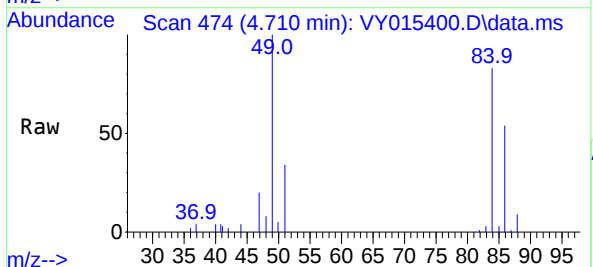
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-082923RE

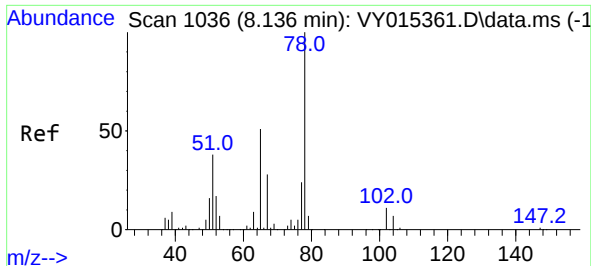
Tgt Ion:168 Resp: 74010  
Ion Ratio Lower Upper  
168 100  
99 52.7 43.4 65.0



#20  
Methylene Chloride  
Concen: 7.567 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.006 min  
Lab File: VY015400.D  
Acq: 31 Aug 2023 13:51

Tgt Ion: 84 Resp: 13778  
Ion Ratio Lower Upper  
84 100  
49 120.3 106.9 160.3  
51 41.4 33.2 49.8  
86 65.0 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 60.414 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015400.D

Acq: 31 Aug 2023 13:51

Instrument :

MSVOA\_Y

ClientSampleId :

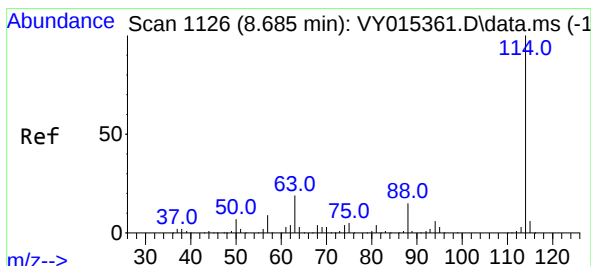
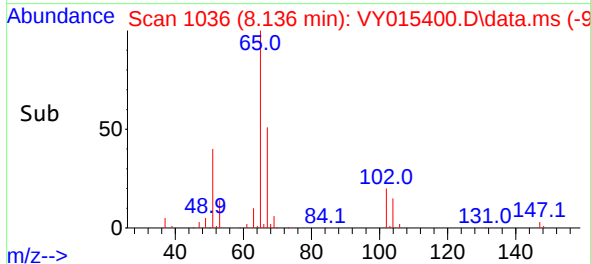
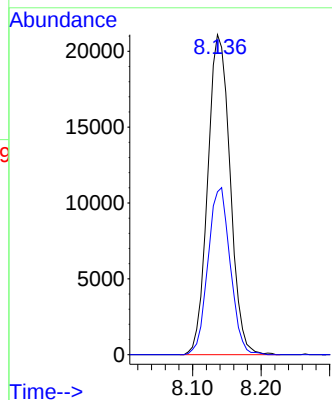
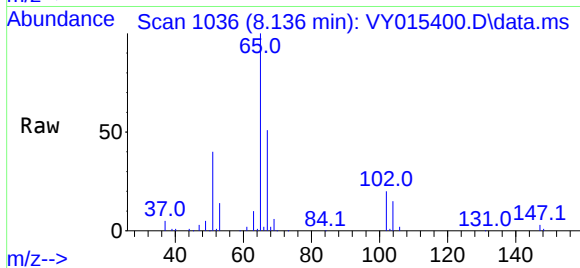
TR-04-082923RE

Tgt Ion: 65 Resp: 47931

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015400.D

Acq: 31 Aug 2023 13:51

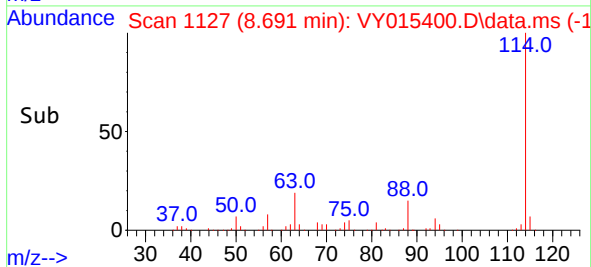
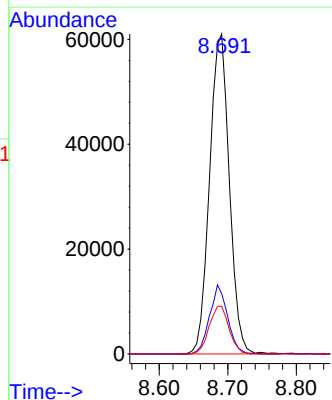
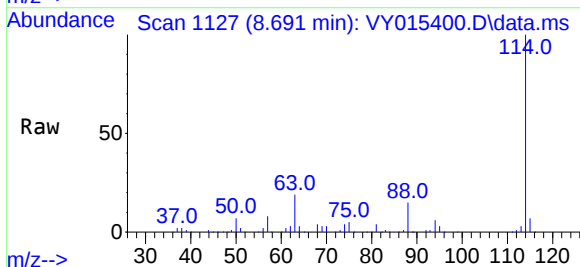
Tgt Ion: 114 Resp: 122118

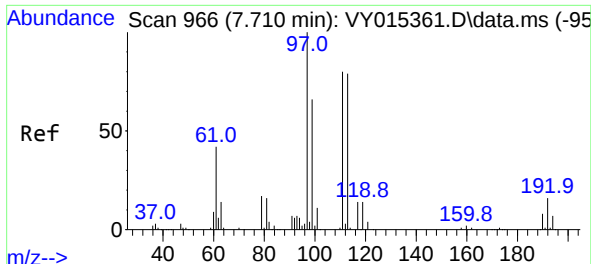
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.4

88 15.0 0.0 30.6

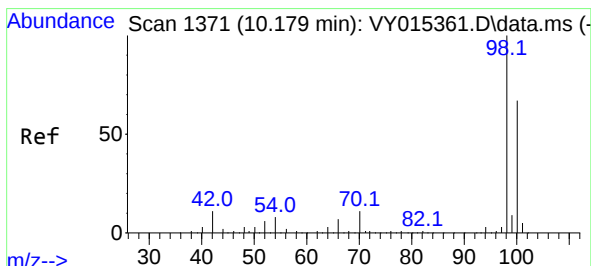
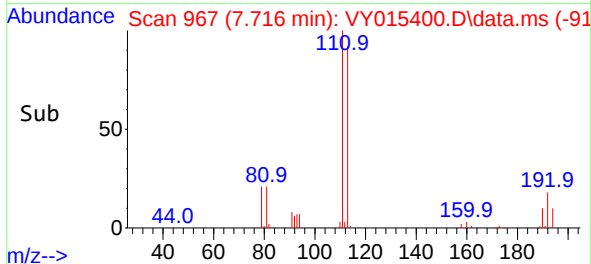
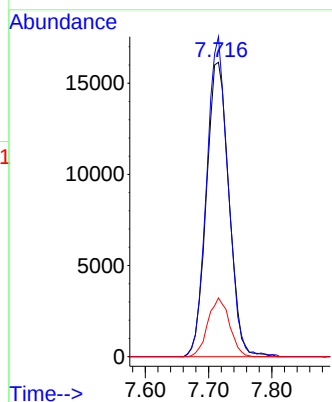
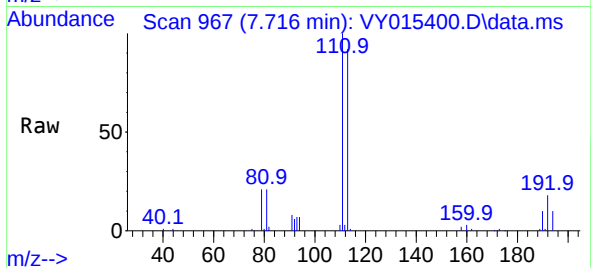




#35  
Dibromofluoromethane  
Concen: 56.877 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY015400.D  
Acq: 31 Aug 2023 13:51

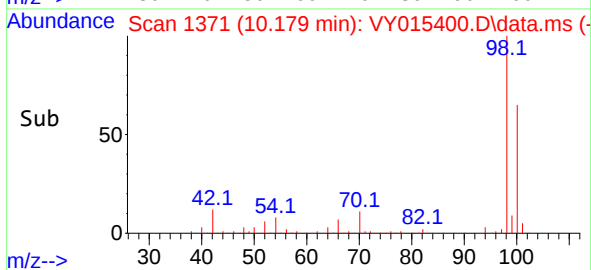
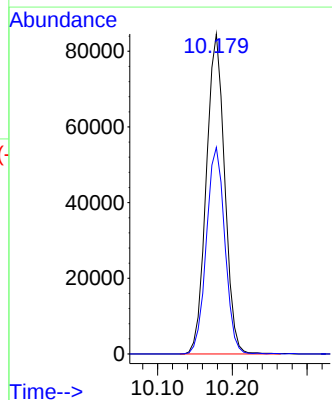
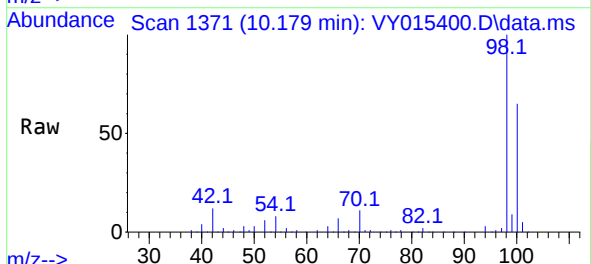
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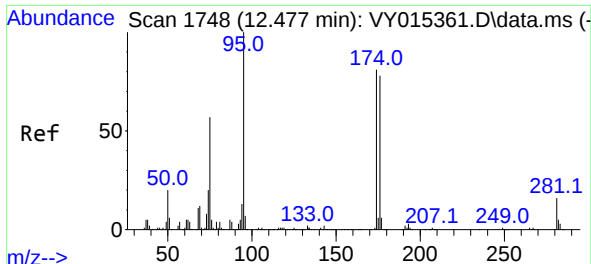
Tgt Ion:113 Resp: 40006  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.3 121.9  
192 19.1 16.9 25.3



#50  
Toluene-d8  
Concen: 56.590 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY015400.D  
Acq: 31 Aug 2023 13:51

Tgt Ion: 98 Resp: 144146  
Ion Ratio Lower Upper  
98 100  
100 65.0 50.1 75.1

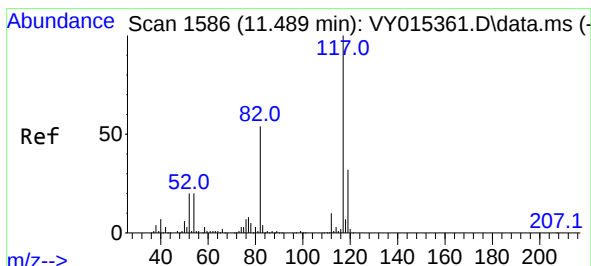
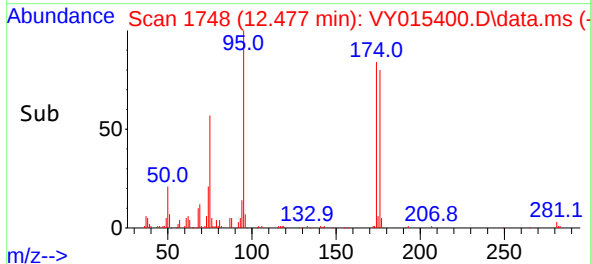
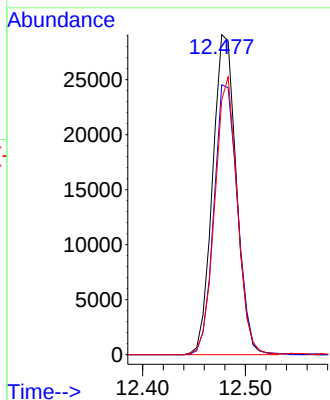
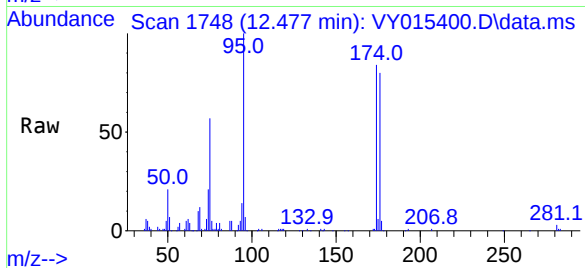




#62  
4-Bromofluorobenzene  
Concen: 49.241 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015400.D  
Acq: 31 Aug 2023 13:51

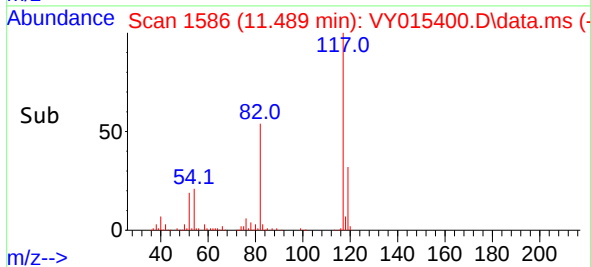
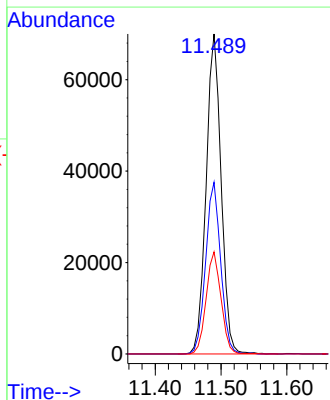
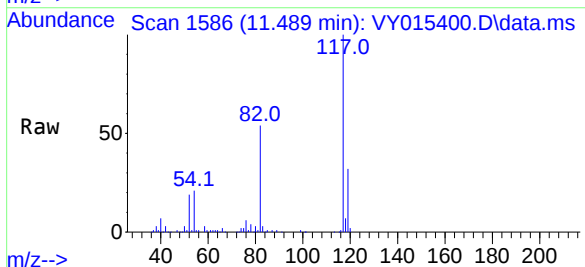
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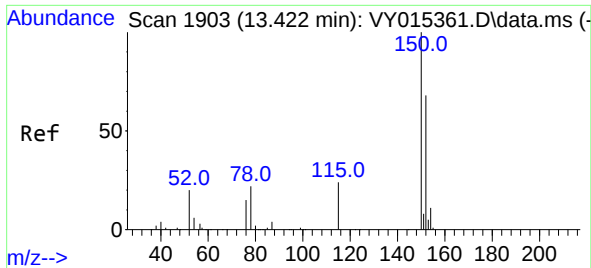
Tgt Ion: 95 Resp: 46563  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 178.2  
176 82.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY015400.D  
Acq: 31 Aug 2023 13:51

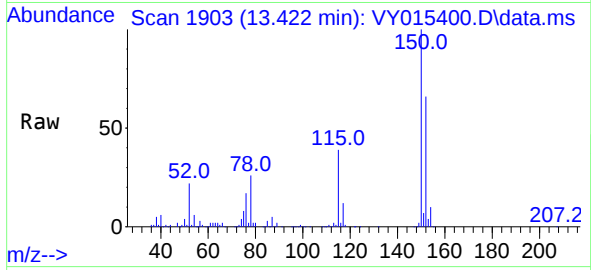
Tgt Ion: 117 Resp: 110924  
Ion Ratio Lower Upper  
117 100  
82 53.6 43.4 65.0  
119 31.9 26.3 39.5





#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY015400.D  
Acq: 31 Aug 2023 13:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TR-04-082923RE



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 51853 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 57.3  | 28.8  | 86.5  |
| 150      | 155.8 | 0.0   | 348.8 |

