

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082123\  
 Data File : VY015229.D  
 Acq On : 21 Aug 2023 19:43  
 Operator : SY/MD  
 Sample : 04091-07  
 Misc : 5.16g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-C

Quant Time: Aug 22 01:58:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

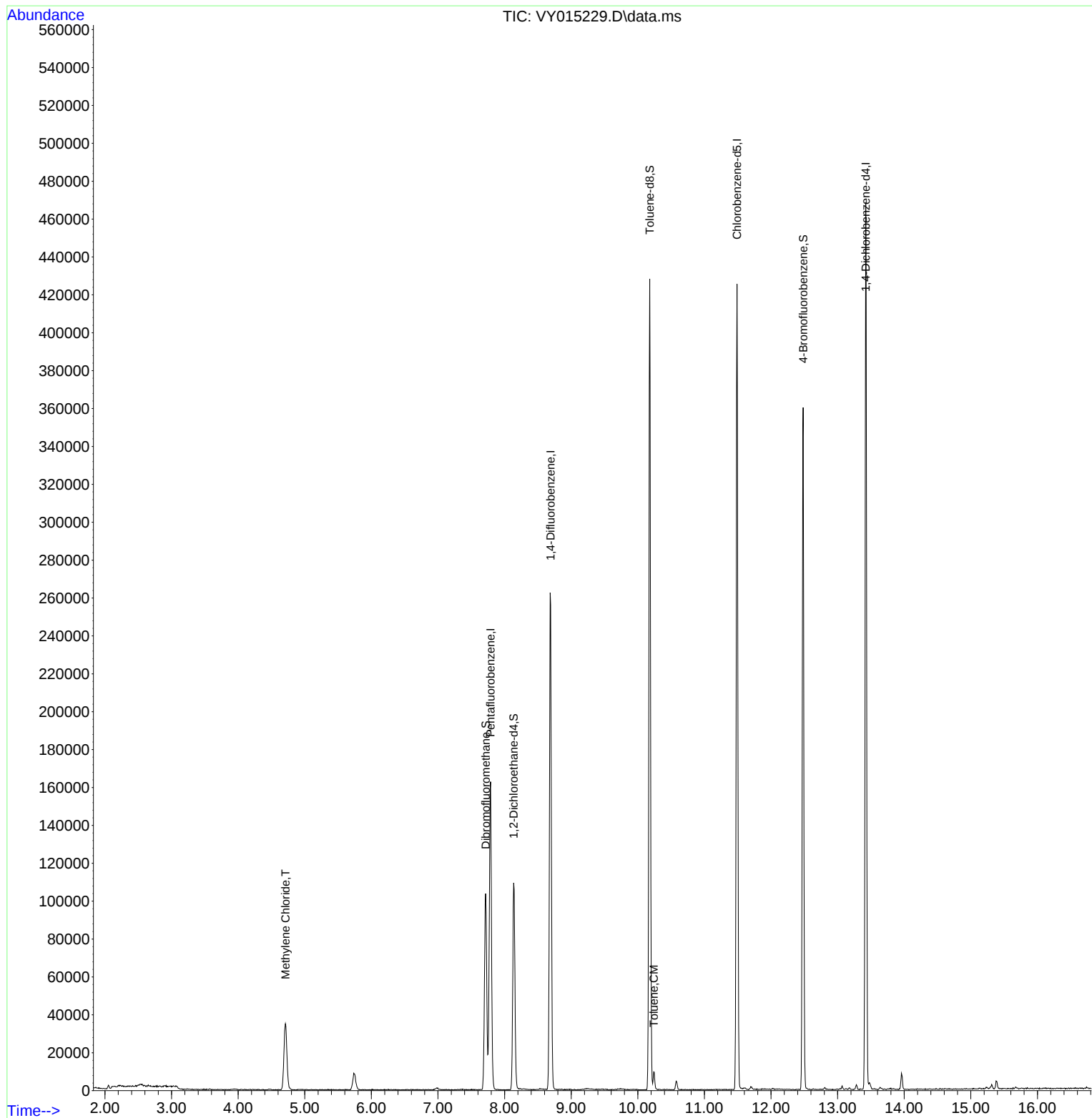
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.789  | 168   | 125819   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 226269   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.489 | 117   | 230685   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 118638   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 87292    | 57.796   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 115.600% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 73372    | 50.404   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 100.800% |
| 50) Toluene-d8              | 10.179 | 98    | 272896   | 50.361   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 100.720% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 105186   | 53.145   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 106.300% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 20) Methylene Chloride      | 4.710  | 84    | 27146    | 20.388   | ug/l   | 92       |
| 52) Toluene                 | 10.240 | 92    | 3843     | 1.198    | ug/l   | 88       |
| -----                       |        |       |          |          |        |          |

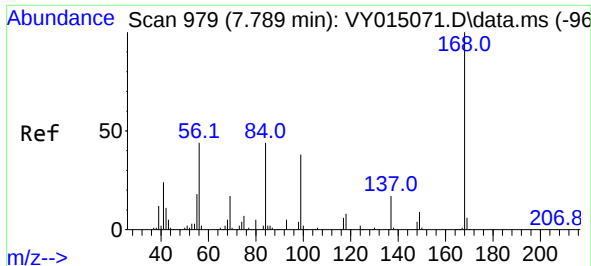
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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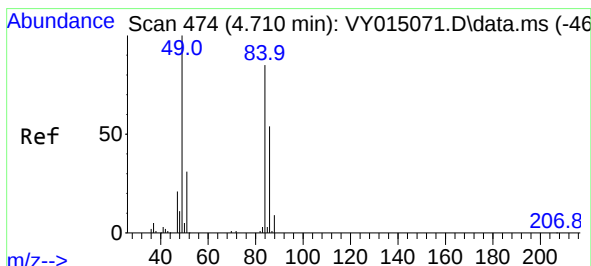
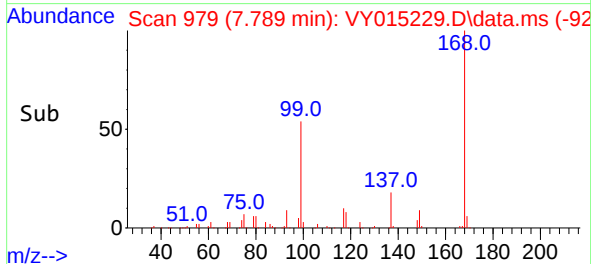
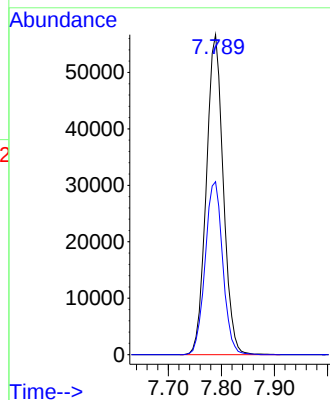
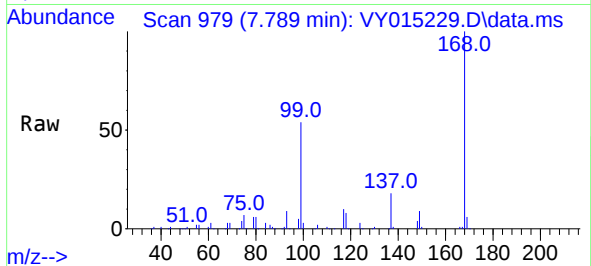




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015229.D  
Acq: 21 Aug 2023 19:43

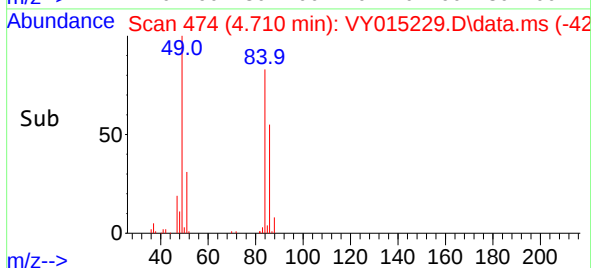
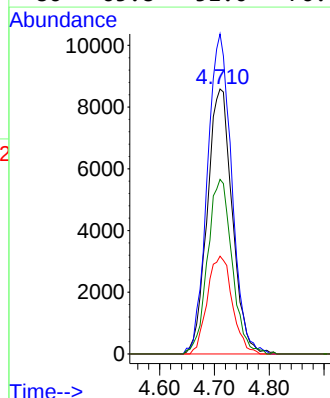
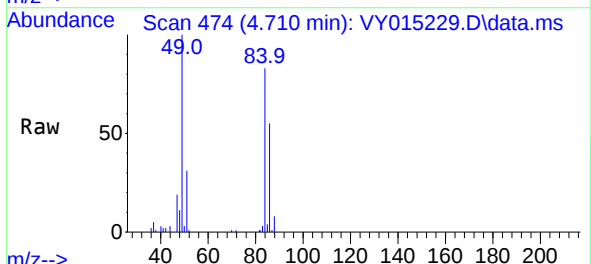
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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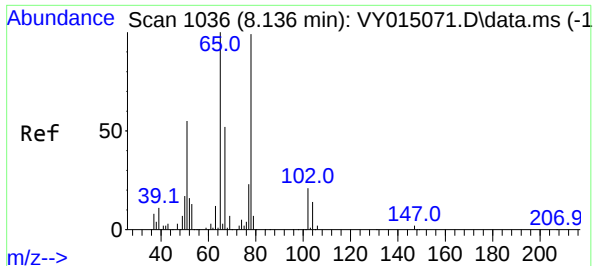
Tgt Ion:168 Resp: 125819  
Ion Ratio Lower Upper  
168 100  
99 54.1 43.4 65.0



#20  
Methylene Chloride  
Concen: 20.388 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. 0.000 min  
Lab File: VY015229.D  
Acq: 21 Aug 2023 19:43

Tgt Ion: 84 Resp: 27146  
Ion Ratio Lower Upper  
84 100  
49 120.7 106.9 160.3  
51 36.9 33.2 49.8  
86 65.8 51.0 76.6





#33

1,2-Dichloroethane-d4

Concen: 57.796 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015229.D

Acq: 21 Aug 2023 19:43

Instrument :

MSVOA\_Y

ClientSampleId :

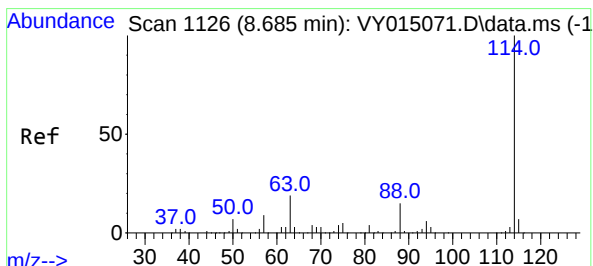
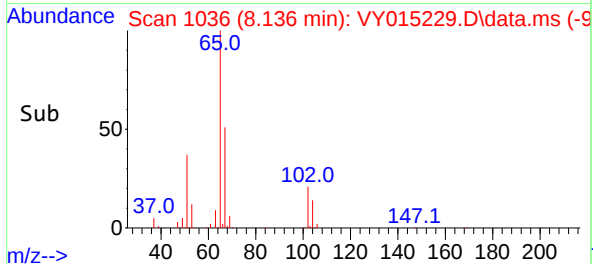
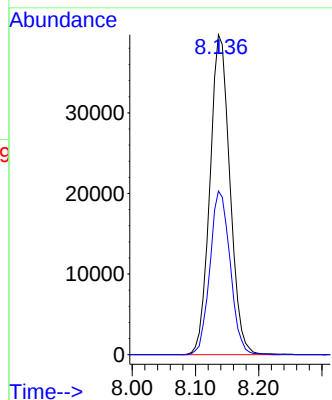
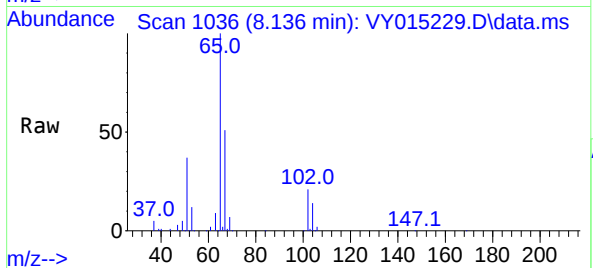
TP-C

Tgt Ion: 65 Resp: 87292

Ion Ratio Lower Upper

65 100

67 51.7 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: VY015229.D

Acq: 21 Aug 2023 19:43

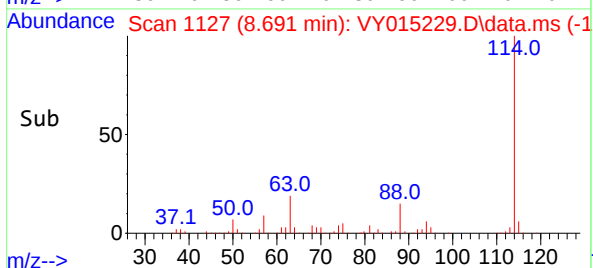
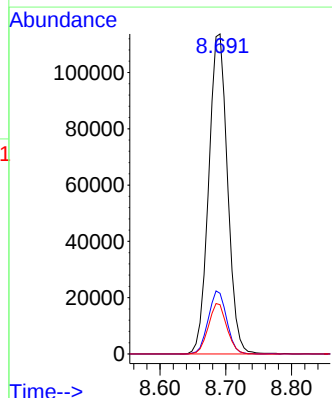
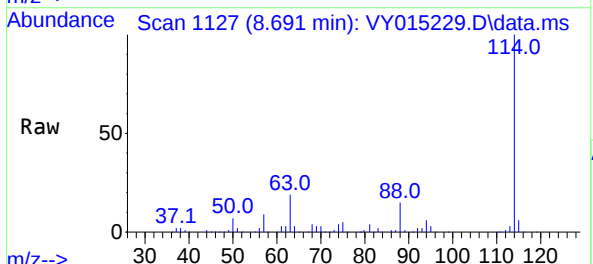
Tgt Ion: 114 Resp: 226269

Ion Ratio Lower Upper

114 100

63 18.9 0.0 42.4

88 15.4 0.0 30.6

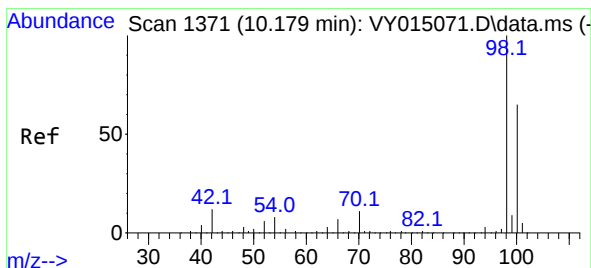
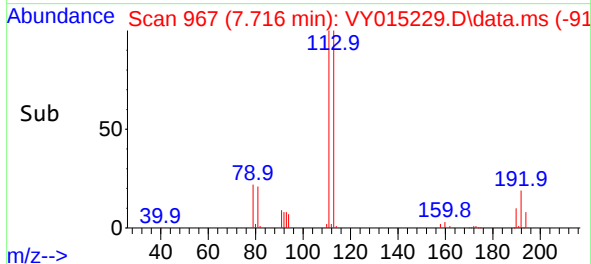
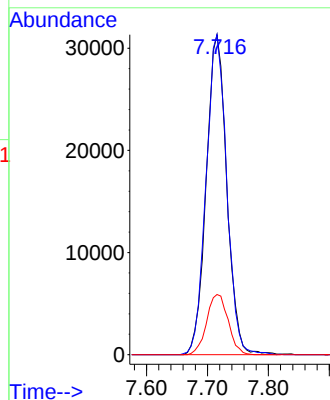
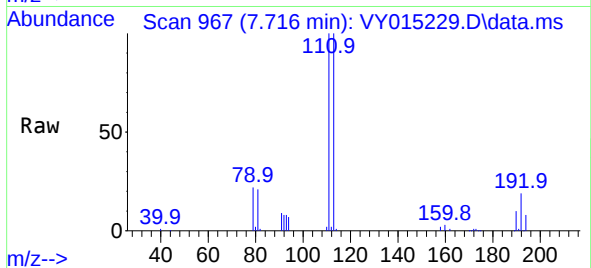




#35  
Dibromofluoromethane  
Concen: 50.404 ug/l  
RT: 7.716 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VY015229.D  
Acq: 21 Aug 2023 19:43

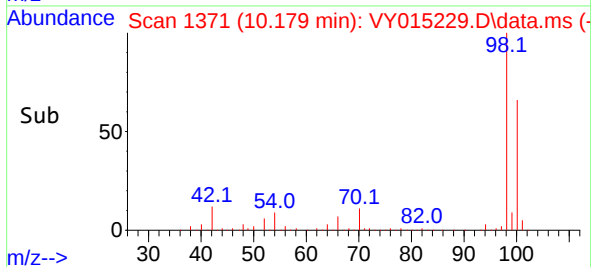
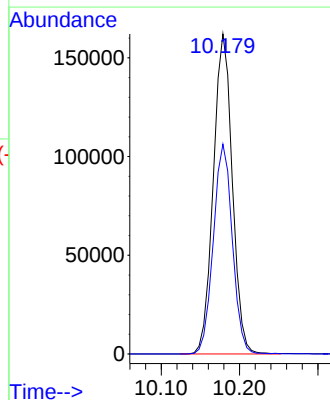
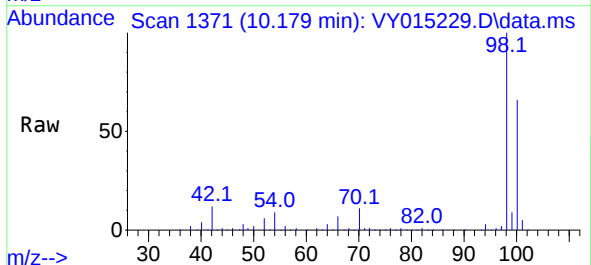
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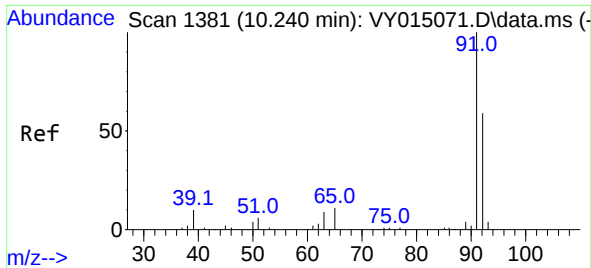
Tgt Ion:113 Resp: 73372  
Ion Ratio Lower Upper  
113 100  
111 100.5 81.3 121.9  
192 19.7 16.9 25.3



#50  
Toluene-d8  
Concen: 50.361 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY015229.D  
Acq: 21 Aug 2023 19:43

Tgt Ion: 98 Resp: 272896  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.1 75.1

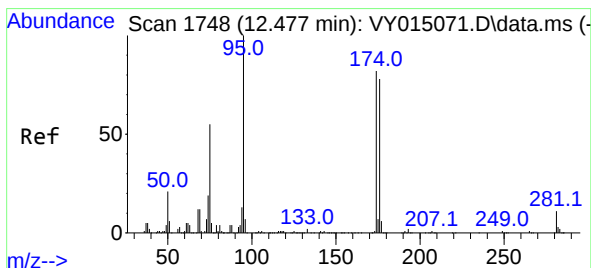
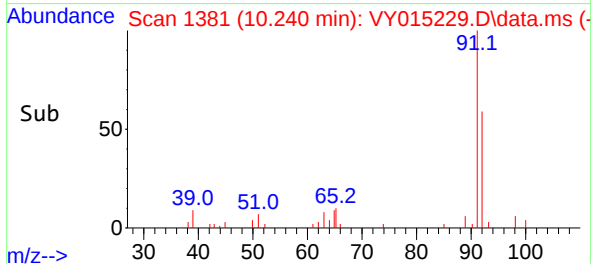
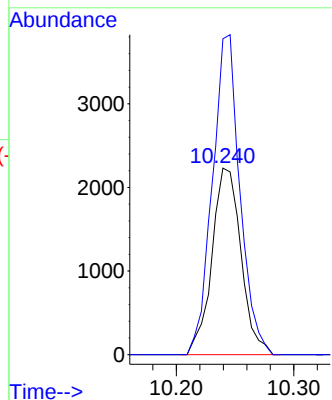
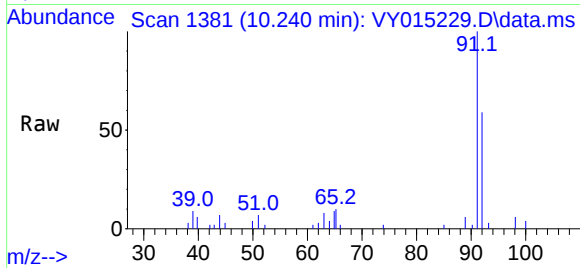




#52  
Toluene  
Concen: 1.198 ug/l  
RT: 10.240 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY015229.D  
Acq: 21 Aug 2023 19:43

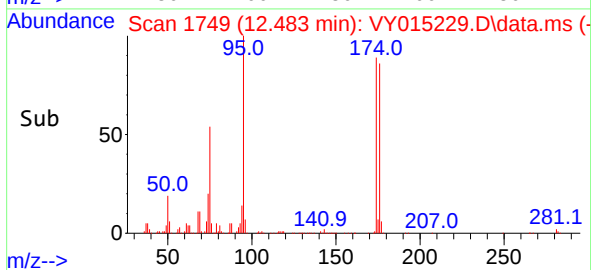
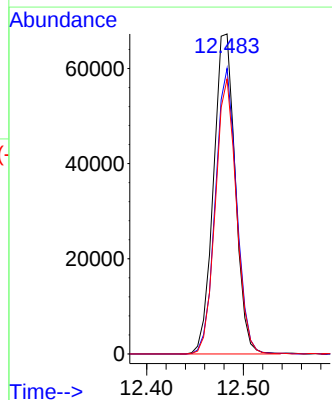
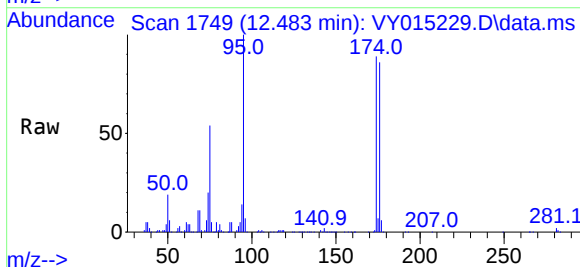
Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-C

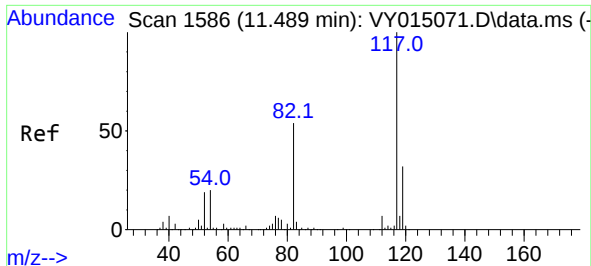
Tgt Ion: 92 Resp: 3843  
Ion Ratio Lower Upper  
92 100  
91 162.3 143.8 215.6



#62  
4-Bromofluorobenzene  
Concen: 53.145 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.006 min  
Lab File: VY015229.D  
Acq: 21 Aug 2023 19:43

Tgt Ion: 95 Resp: 105186  
Ion Ratio Lower Upper  
95 100  
174 86.4 0.0 178.2  
176 82.7 0.0 173.8

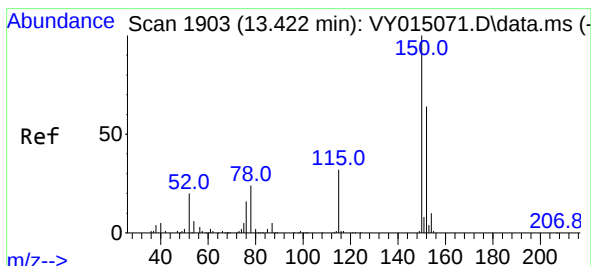
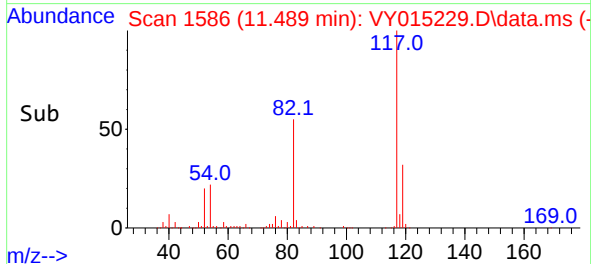
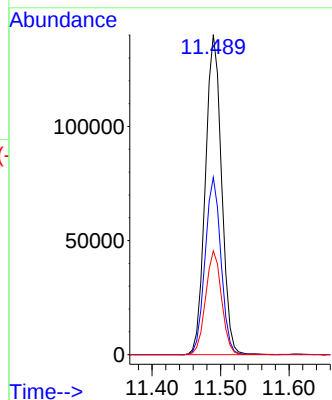
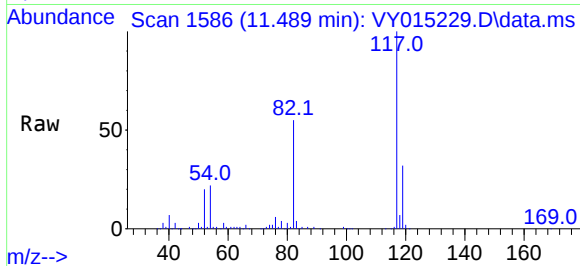




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1170  
Delta R.T. -0.000 min  
Lab File: VY015229.D  
Acq: 21 Aug 2023 19:43

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-C

Tgt Ion:117 Resp: 230685  
Ion Ratio Lower Upper  
117 100  
82 55.4 43.4 65.0  
119 32.5 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: VY015229.D  
Acq: 21 Aug 2023 19:43

Tgt Ion:152 Resp: 118638  
Ion Ratio Lower Upper  
152 100  
115 58.3 28.8 86.5  
150 156.9 0.0 348.8

