

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY091223\  
 Data File : VY015521.D  
 Acq On : 12 Sep 2023 20:33  
 Operator : SY/MD  
 Sample : 04394-01  
 Misc : 3.39g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CPT 103-16(10-10.5)

Quant Time: Sep 13 05:57:34 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

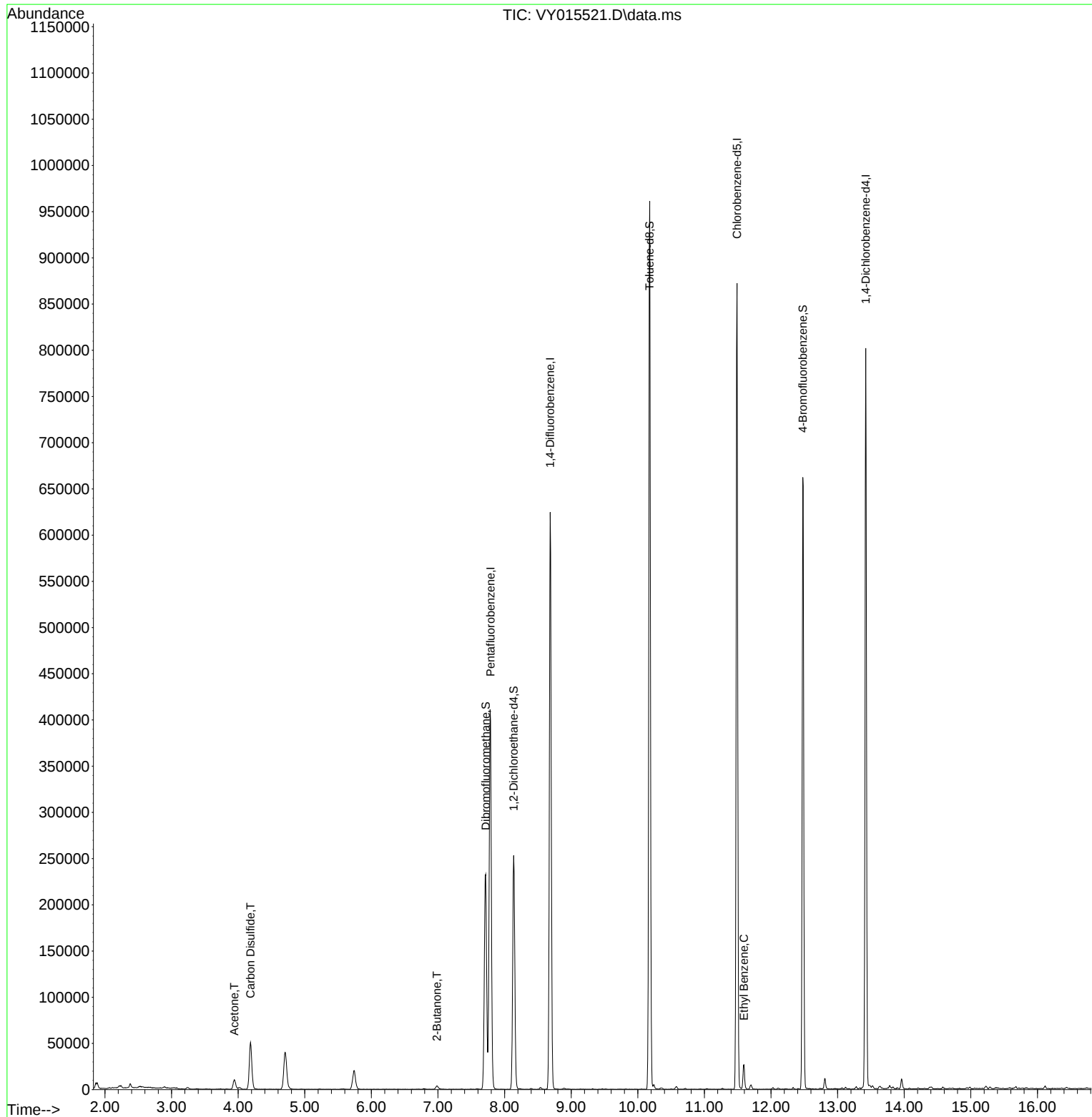
| Compound                    | R.T. QIon |                | Response | Conc   | Units    | Dev(Min) |
|-----------------------------|-----------|----------------|----------|--------|----------|----------|
| -----                       |           |                |          |        |          |          |
| Internal Standards          |           |                |          |        |          |          |
| 1) Pentafluorobenzene       | 7.789     | 168            | 324092   | 50.000 | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.685     | 114            | 536035   | 50.000 | ug/l     | 0.00     |
| 63) Chlorobenzene-d5        | 11.489    | 117            | 470845   | 50.000 | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.422    | 152            | 199546   | 50.000 | ug/l     | 0.00     |
| System Monitoring Compounds |           |                |          |        |          |          |
| 33) 1,2-Dichloroethane-d4   | 8.136     | 65             | 196633   | 56.598 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 50 - 163 | Recovery | =      | 113.200% |          |
| 35) Dibromofluoromethane    | 7.715     | 113            | 167035   | 54.101 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 54 - 147 | Recovery | =      | 108.200% |          |
| 50) Toluene-d8              | 10.178    | 98             | 625056   | 55.904 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 58 - 134 | Recovery | =      | 111.800% |          |
| 62) 4-Bromofluorobenzene    | 12.477    | 95             | 197579   | 47.601 | ug/l     | 0.00     |
| Spiked Amount               | 50.000    | Range 30 - 143 | Recovery | =      | 95.200%  |          |
| Target Compounds            |           |                |          |        |          |          |
|                             |           |                |          |        | Qvalue   |          |
| 16) Acetone                 | 3.942     | 43             | 18472    | 12.738 | ug/l #   | 88       |
| 17) Carbon Disulfide        | 4.186     | 76             | 102786   | 10.672 | ug/l     | 100      |
| 25) 2-Butanone              | 6.984     | 43             | 6275     | 3.051  | ug/l     | 94       |
| 67) Ethyl Benzene           | 11.593    | 91             | 19224    | 1.055  | ug/l     | 91       |
| -----                       |           |                |          |        |          |          |

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

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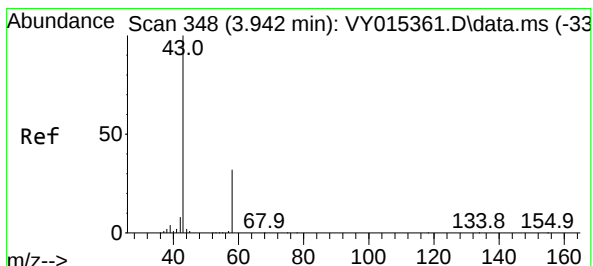
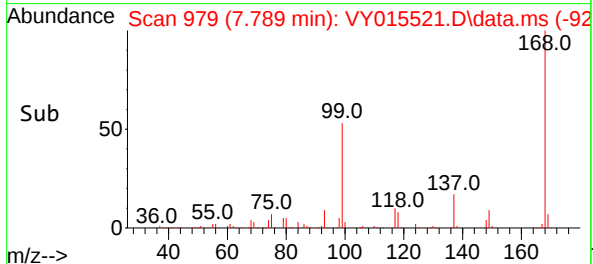
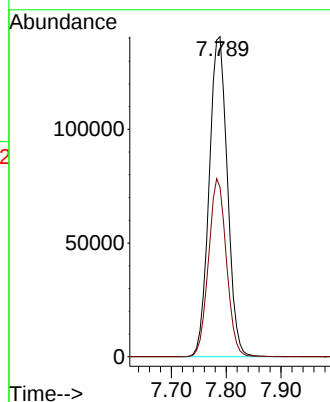
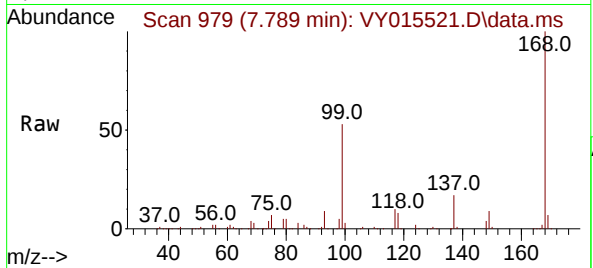




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015521.D  
Acq: 12 Sep 2023 20:33

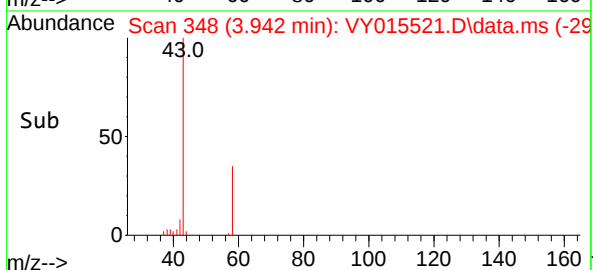
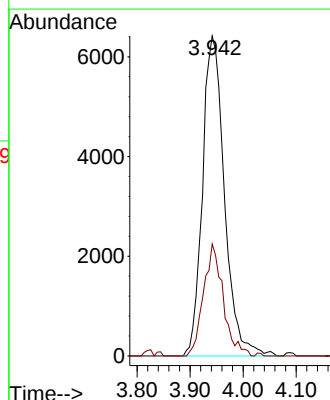
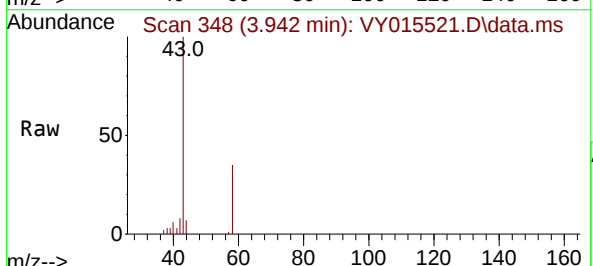
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CPT 103-16(10-10.5)

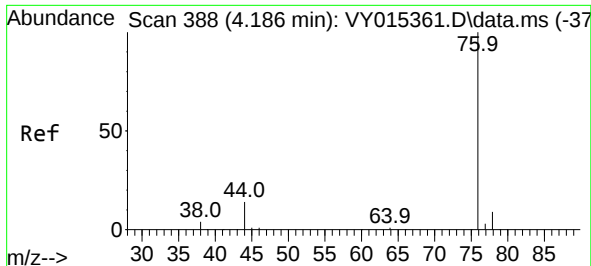
Tgt Ion:168 Resp: 324092  
Ion Ratio Lower Upper  
168 100  
99 53.0 43.4 65.0



#16  
Acetone  
Concen: 12.738 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. -0.000 min  
Lab File: VY015521.D  
Acq: 12 Sep 2023 20:33

Tgt Ion: 43 Resp: 18472  
Ion Ratio Lower Upper  
43 100  
58 35.0 22.7 34.1#

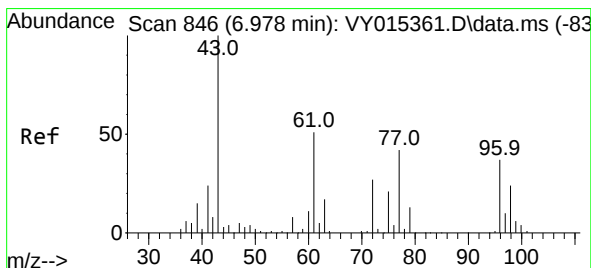
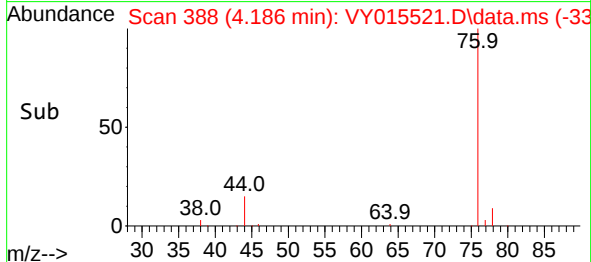
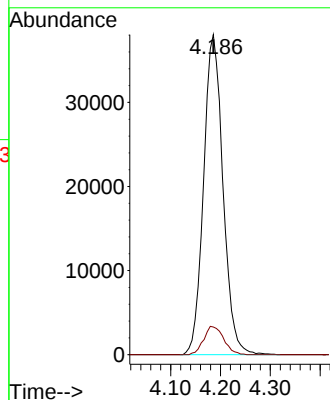
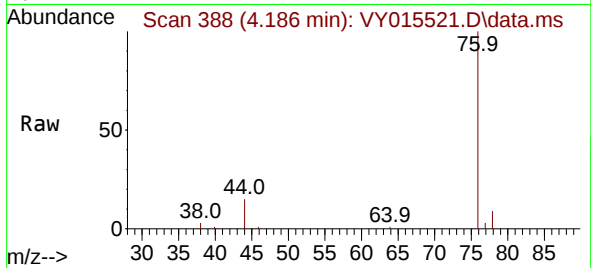




#17  
Carbon Disulfide  
Concen: 10.672 ug/l  
RT: 4.186 min Scan# 388  
Delta R.T. -0.000 min  
Lab File: VY015521.D  
Acq: 12 Sep 2023 20:33

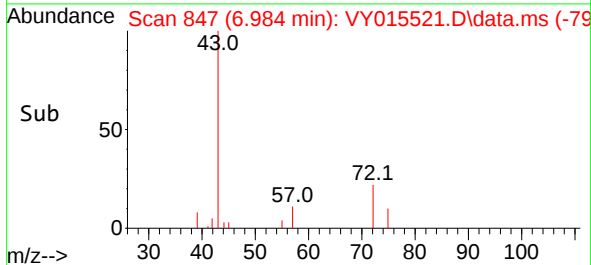
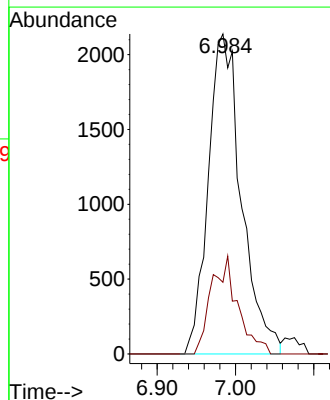
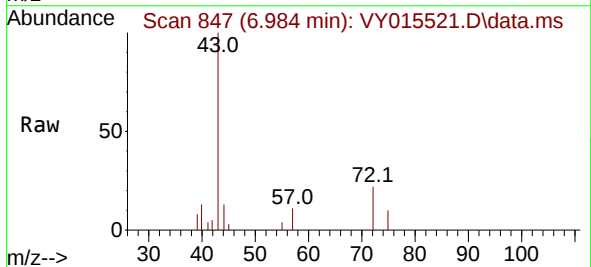
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CPT 103-16(10-10.5)

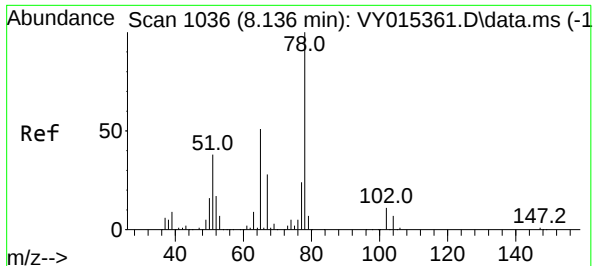
Tgt Ion: 76 Resp: 102786  
Ion Ratio Lower Upper  
76 100  
78 8.7 7.0 10.4



#25  
2-Butanone  
Concen: 3.051 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VY015521.D  
Acq: 12 Sep 2023 20:33

Tgt Ion: 43 Resp: 6275  
Ion Ratio Lower Upper  
43 100  
72 22.4 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 56.598 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY015521.D

Acq: 12 Sep 2023 20:33

Instrument :

MSVOA\_Y

ClientSampleId :

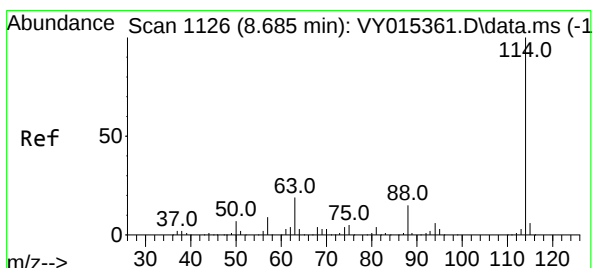
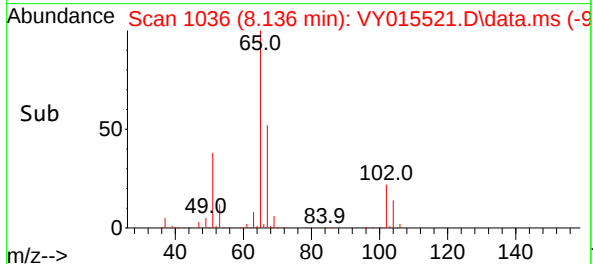
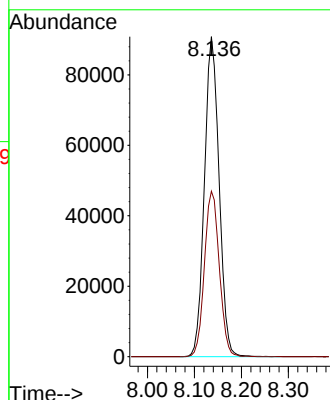
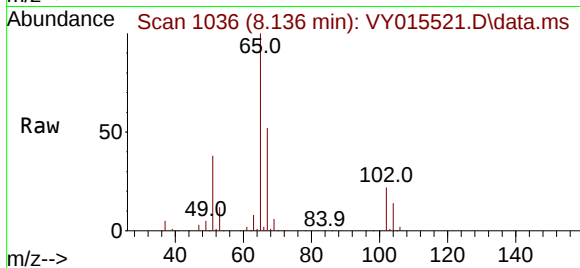
CPT 103-16(10-10.5)

Tgt Ion: 65 Resp: 196633

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015521.D

Acq: 12 Sep 2023 20:33

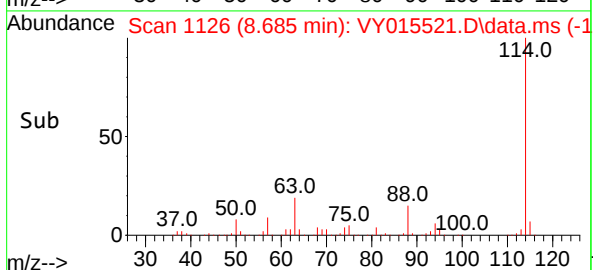
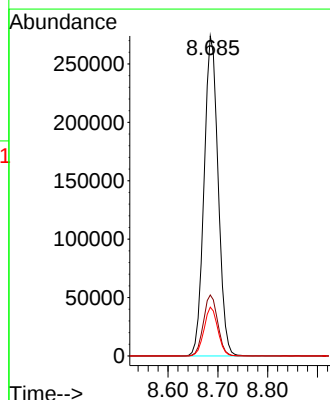
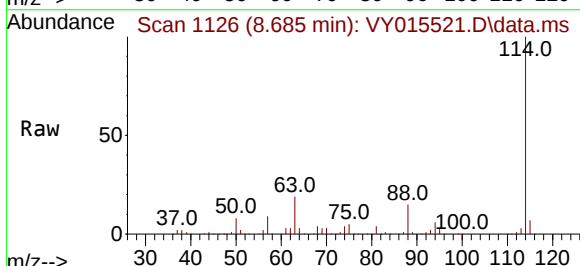
Tgt Ion: 114 Resp: 536035

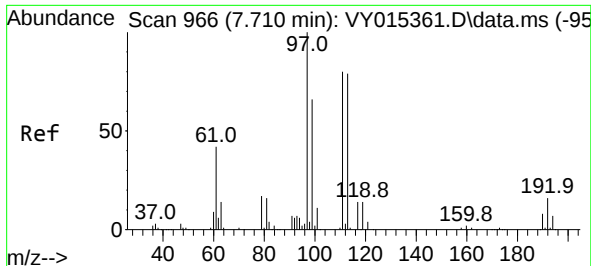
Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.101 ug/l

RT: 7.715 min Scan# 9

Delta R.T. -0.000 min

Lab File: VY015521.D

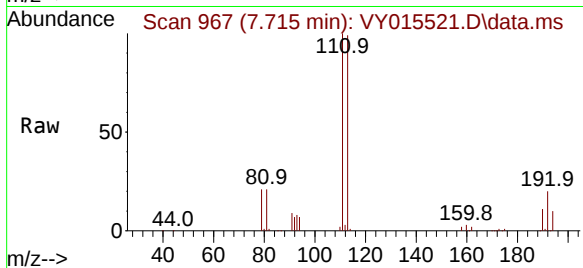
Acq: 12 Sep 2023 20:33

Instrument :

MSVOA\_Y

ClientSampleId :

CPT 103-16(10-10.5)



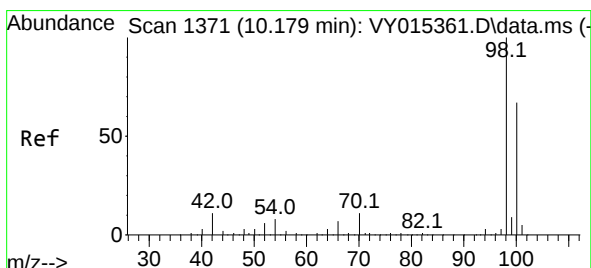
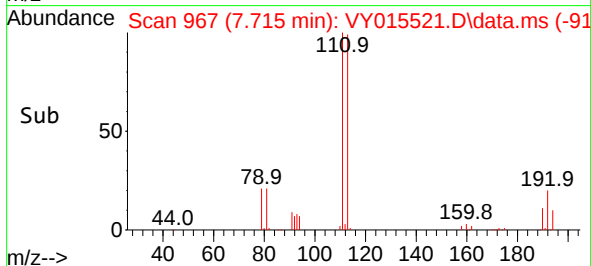
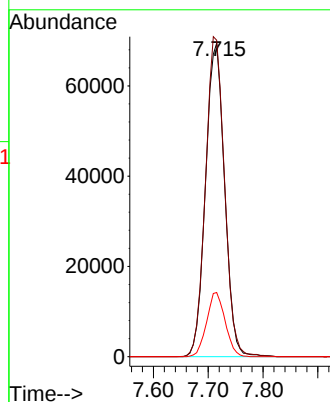
Tgt Ion:113 Resp: 167035

Ion Ratio Lower Upper

113 100

111 102.2 81.3 121.9

192 20.0 16.9 25.3



#50

Toluene-d8

Concen: 55.904 ug/l

RT: 10.178 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015521.D

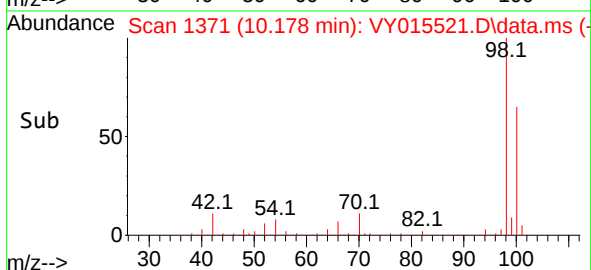
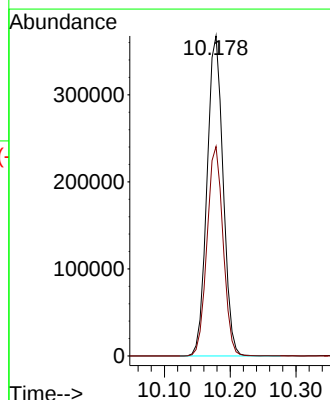
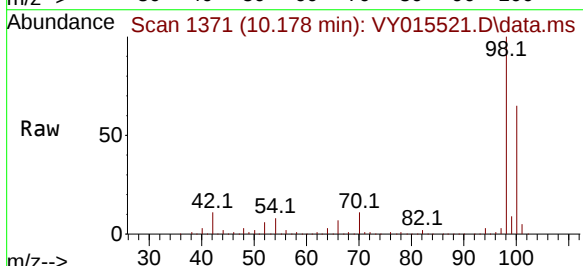
Acq: 12 Sep 2023 20:33

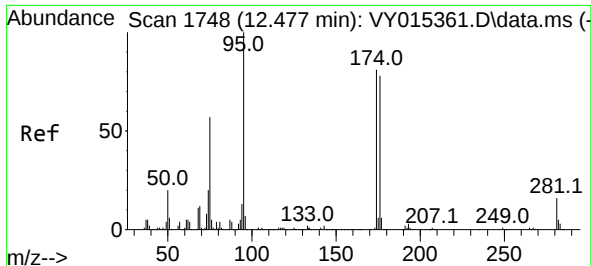
Tgt Ion: 98 Resp: 625056

Ion Ratio Lower Upper

98 100

100 65.4 50.1 75.1

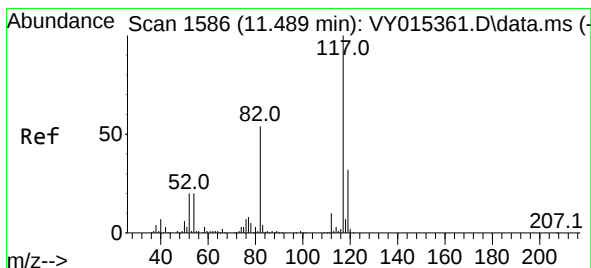
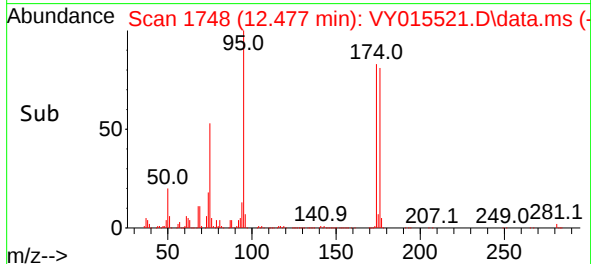
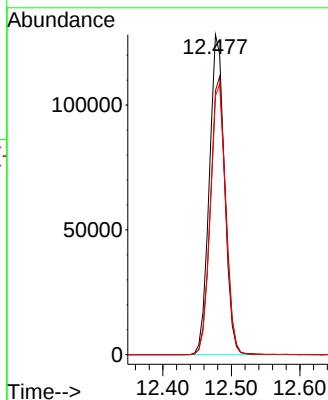
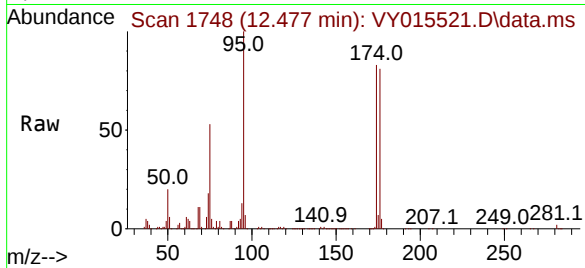




#62  
4-Bromofluorobenzene  
Concen: 47.601 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY015521.D  
Acq: 12 Sep 2023 20:33

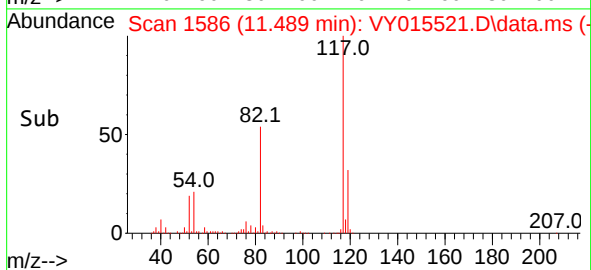
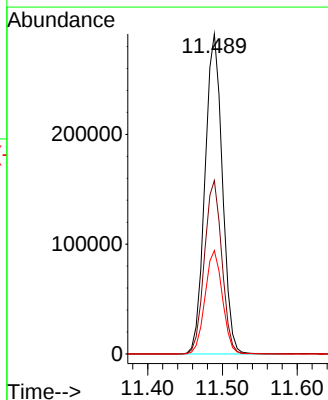
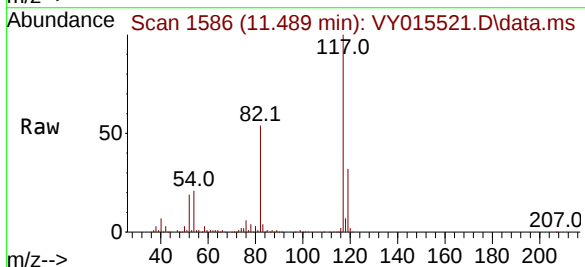
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CPT 103-16(10-10.5)

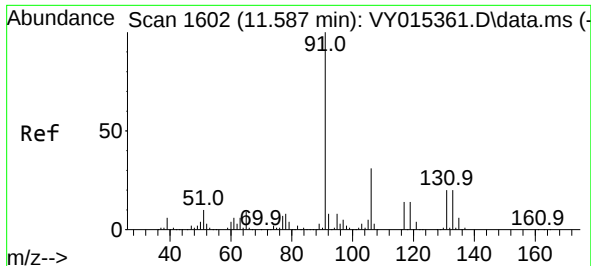
Tgt Ion: 95 Resp: 197579  
Ion Ratio Lower Upper  
95 100  
174 87.5 0.0 178.2  
176 84.7 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY015521.D  
Acq: 12 Sep 2023 20:33

Tgt Ion: 117 Resp: 470845  
Ion Ratio Lower Upper  
117 100  
82 54.2 43.4 65.0  
119 32.3 26.3 39.5





#67

Ethyl Benzene

Concen: 1.055 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015521.D

Acq: 12 Sep 2023 20:33

Instrument :

MSVOA\_Y

ClientSampleId :

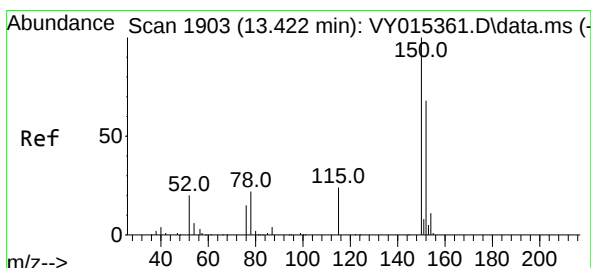
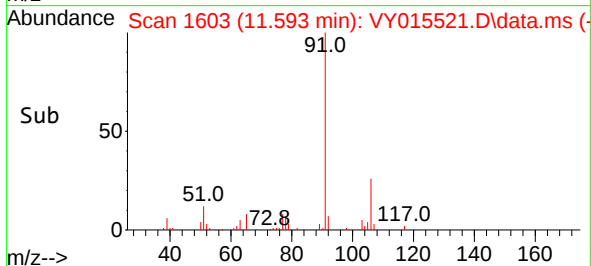
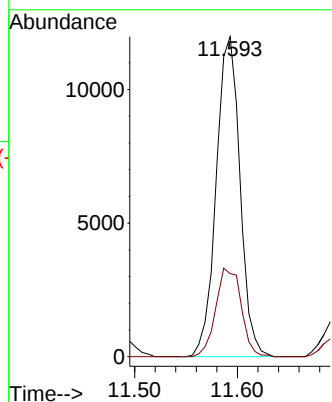
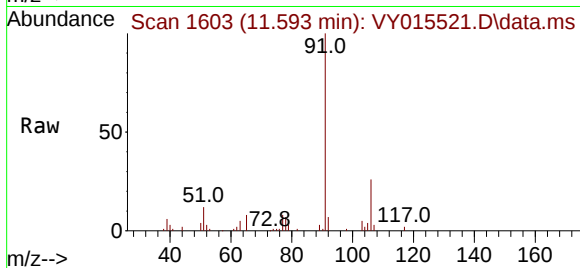
CPT 103-16(10-10.5)

Tgt Ion: 91 Resp: 19224

Ion Ratio Lower Upper

91 100

106 25.9 24.6 36.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY015521.D

Acq: 12 Sep 2023 20:33

Tgt Ion:152 Resp: 199546

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 158.3 0.0 348.8

