

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112923\  
 Data File : VY016539.D  
 Acq On : 29 Nov 2023 16:19  
 Operator : SY/MD  
 Sample : 05562-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SU-03-112823

Quant Time: Nov 30 03:33:59 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 30 03:28:04 2023  
 Response via : Initial Calibration

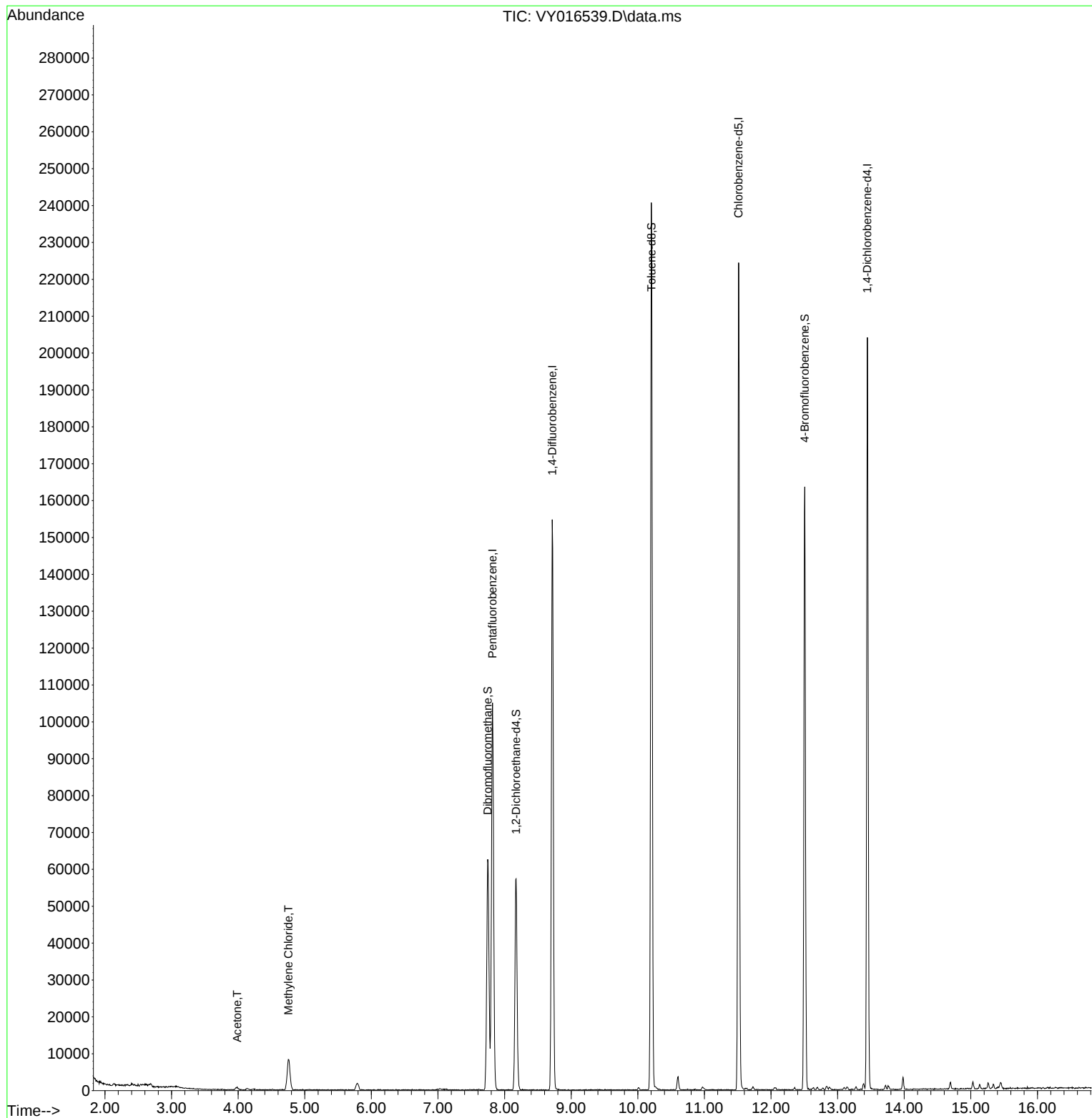
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.819  | 168   | 85019    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.716  | 114   | 145434   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.514 | 117   | 134655   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.446 | 152   | 56976    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.173  | 65    | 46771    | 69.632   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 139.260% |
| 35) Dibromofluoromethane    | 7.746  | 113   | 45437    | 53.232   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 106.460% |
| 50) Toluene-d8              | 10.203 | 98    | 165512   | 49.995   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 99.980%  |
| 62) 4-Bromofluorobenzene    | 12.508 | 95    | 53160    | 51.187   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 102.380% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 3.985  | 43    | 1263     | 14.097   | ug/l # | 87       |
| 20) Methylene Chloride      | 4.753  | 84    | 7418     | 7.140    | ug/l # | 81       |
| -----                       |        |       |          |          |        |          |

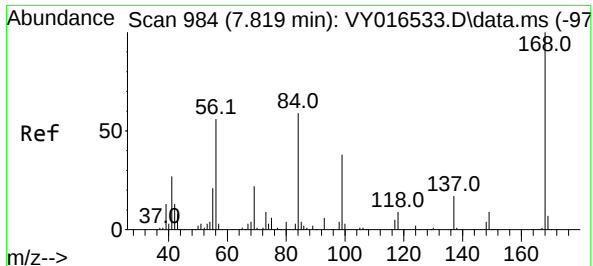
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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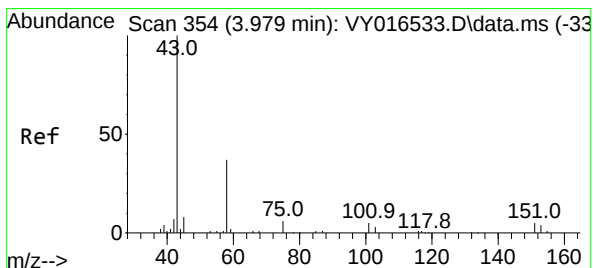
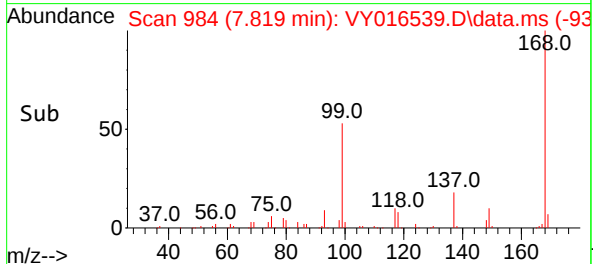
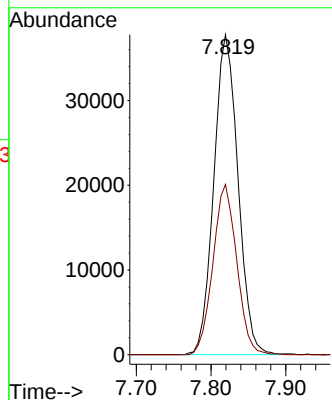
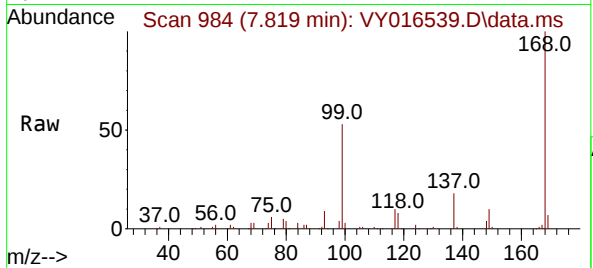




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.819 min Scan# 984  
Delta R.T. 0.000 min  
Lab File: VY016539.D  
Acq: 29 Nov 2023 16:19

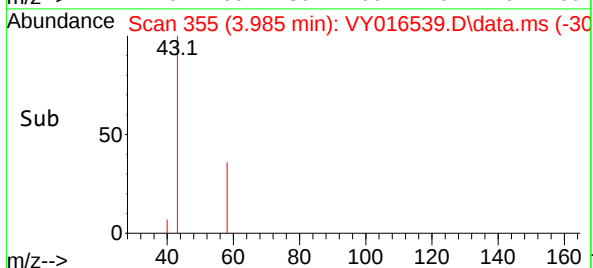
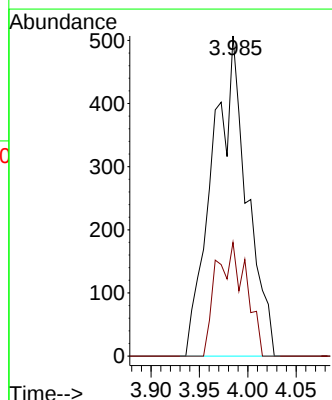
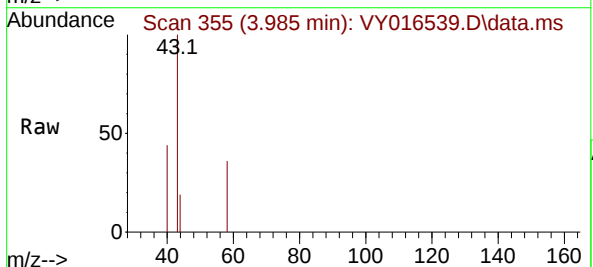
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SU-03-112823

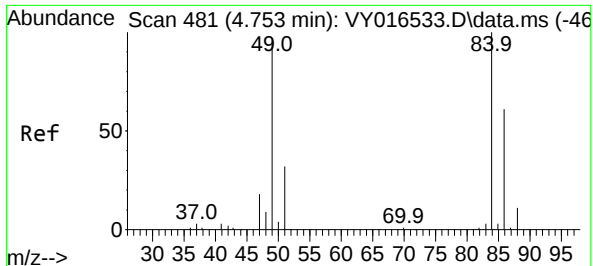
Tgt Ion:168 Resp: 85019  
Ion Ratio Lower Upper  
168 100  
99 53.2 43.4 65.0



#16  
Acetone  
Concen: 14.097 ug/l  
RT: 3.985 min Scan# 355  
Delta R.T. 0.006 min  
Lab File: VY016539.D  
Acq: 29 Nov 2023 16:19

Tgt Ion: 43 Resp: 1263  
Ion Ratio Lower Upper  
43 100  
58 35.5 22.7 34.1#





#20

Methylene Chloride

Concen: 7.140 ug/l

RT: 4.753 min Scan# 481

Delta R.T. -0.000 min

Lab File: VY016539.D

Acq: 29 Nov 2023 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

SU-03-112823

Tgt Ion: 84 Resp: 7418

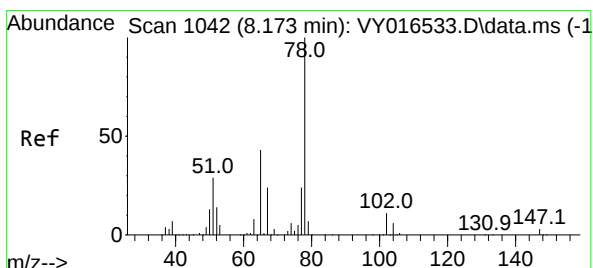
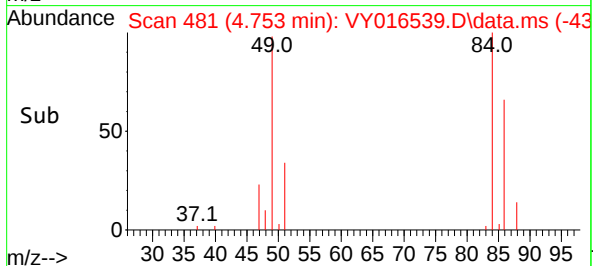
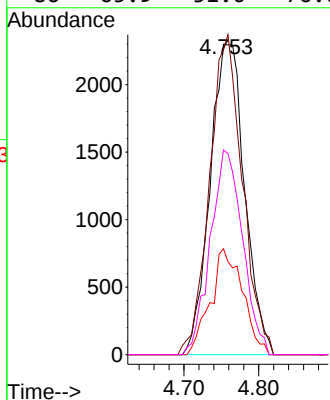
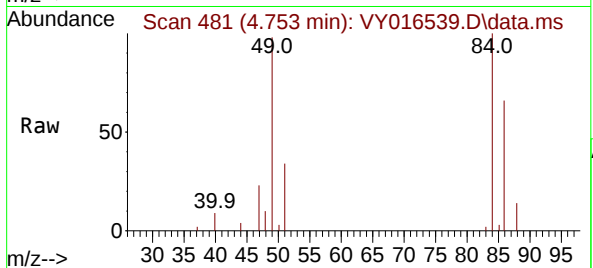
Ion Ratio Lower Upper

84 100

49 98.3 106.9 160.3#

51 34.1 33.2 49.8

86 65.9 51.0 76.6



#33

1,2-Dichloroethane-d4

Concen: 69.632 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.000 min

Lab File: VY016539.D

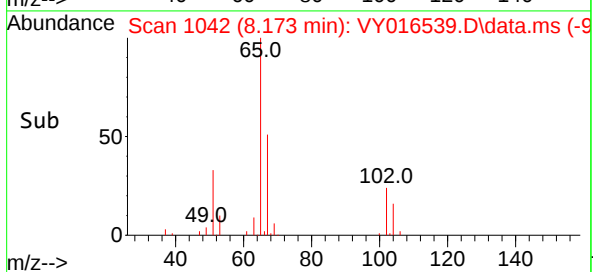
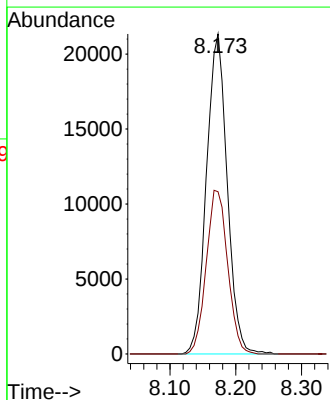
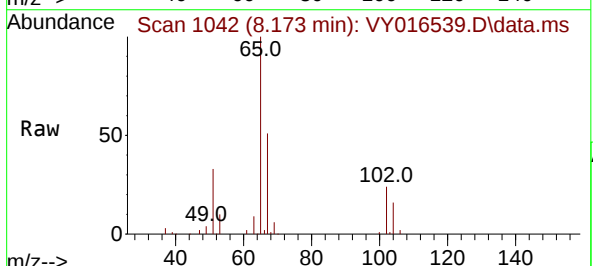
Acq: 29 Nov 2023 16:19

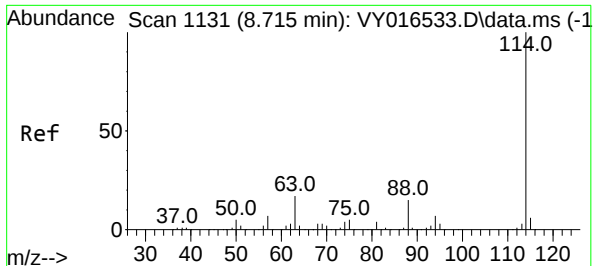
Tgt Ion: 65 Resp: 46771

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY016539.D

Acq: 29 Nov 2023 16:19

Instrument :

MSVOA\_Y

ClientSampleId :

SU-03-112823

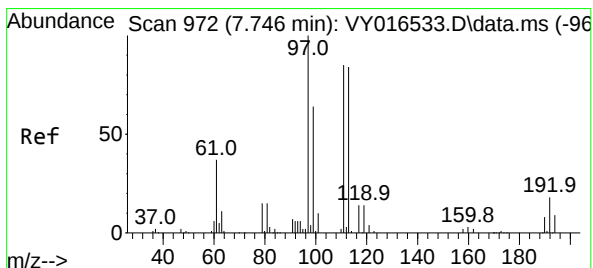
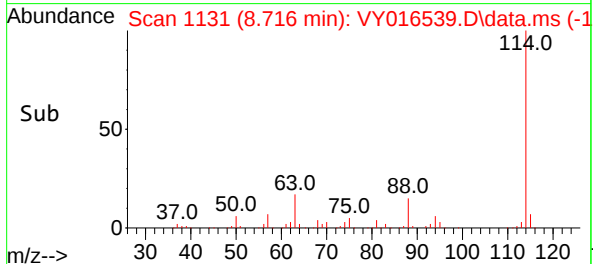
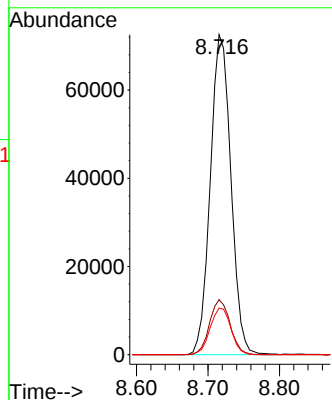
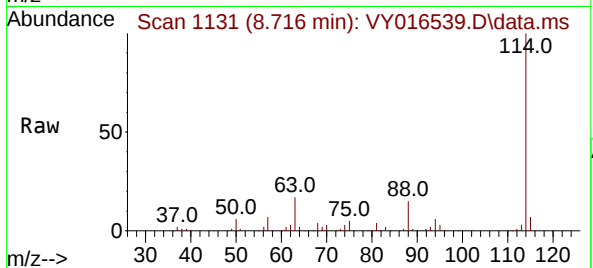
Tgt Ion:114 Resp: 145434

Ion Ratio Lower Upper

114 100

63 17.2 0.0 42.4

88 14.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.232 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.000 min

Lab File: VY016539.D

Acq: 29 Nov 2023 16:19

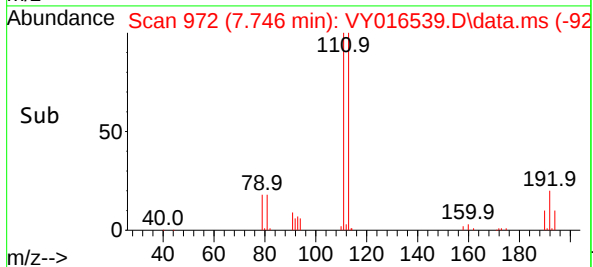
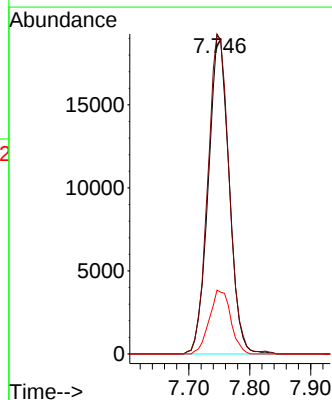
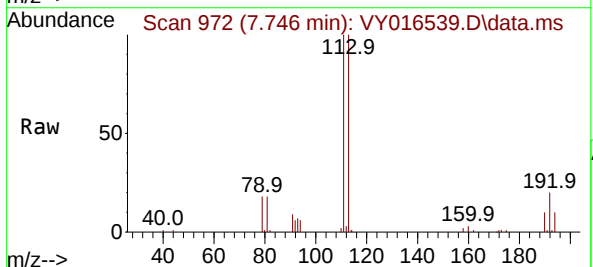
Tgt Ion:113 Resp: 45437

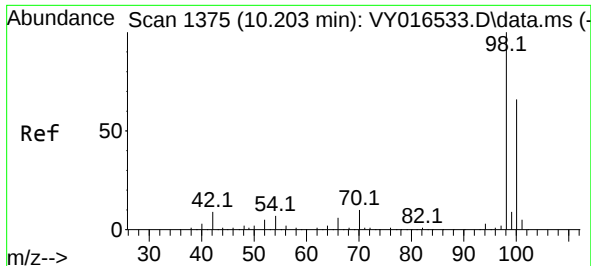
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 20.5 16.9 25.3

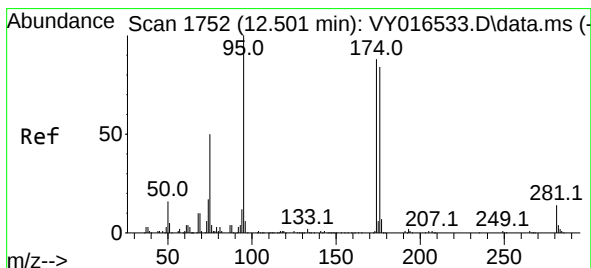
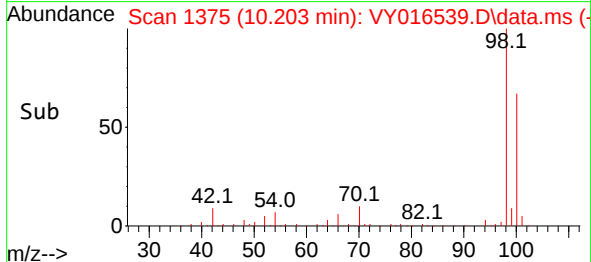
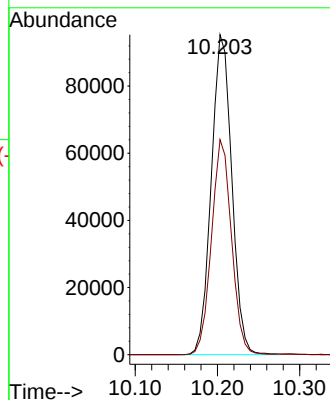
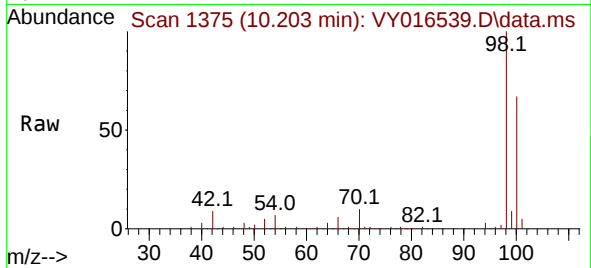




#50  
Toluene-d8  
Concen: 49.995 ug/l  
RT: 10.203 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY016539.D  
Acq: 29 Nov 2023 16:19

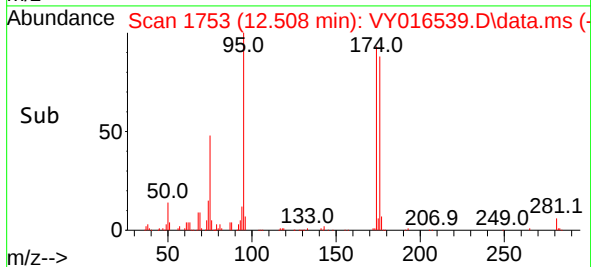
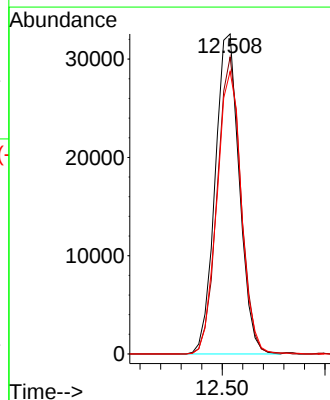
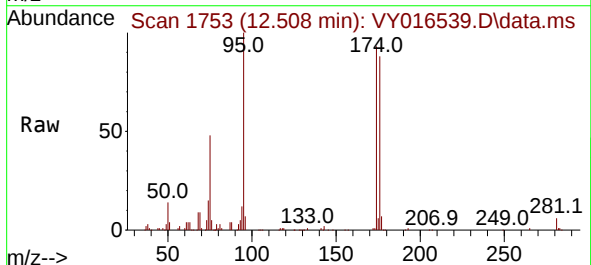
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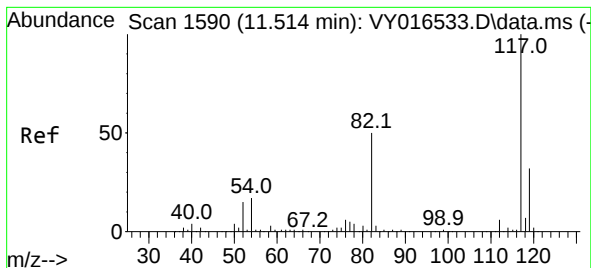
Tgt Ion: 98 Resp: 165512  
Ion Ratio Lower Upper  
98 100  
100 65.7 50.1 75.1



#62  
4-Bromofluorobenzene  
Concen: 51.187 ug/l  
RT: 12.508 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY016539.D  
Acq: 29 Nov 2023 16:19

Tgt Ion: 95 Resp: 53160  
Ion Ratio Lower Upper  
95 100  
174 90.8 0.0 178.2  
176 89.5 0.0 173.8

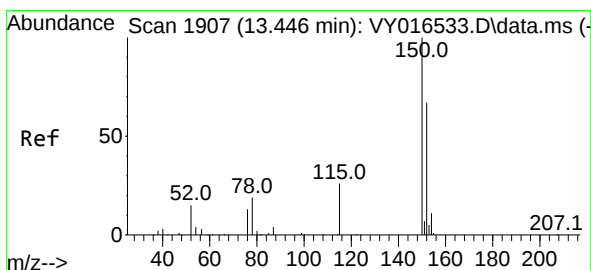
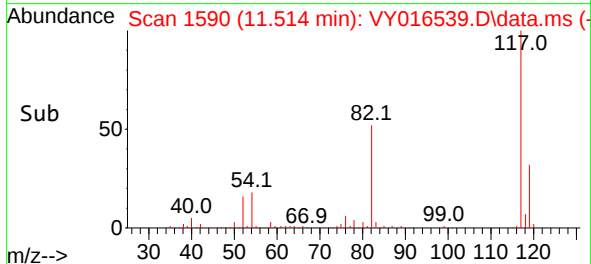
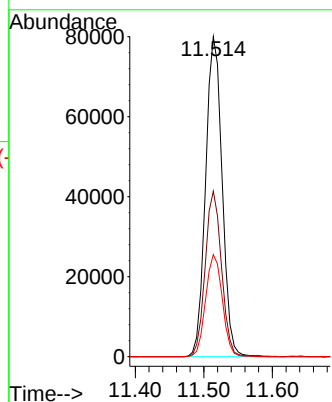
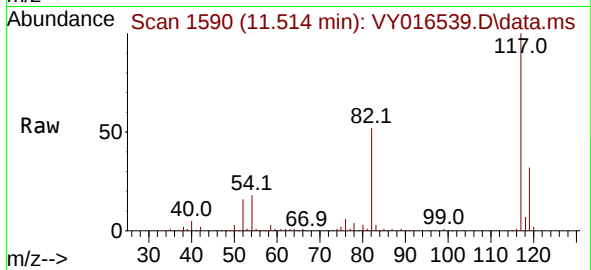




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.514 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VY016539.D  
Acq: 29 Nov 2023 16:19

Instrument :  
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ClientSampleId :  
SU-03-112823

Tgt Ion:117 Resp: 134655  
Ion Ratio Lower Upper  
117 100  
82 51.8 43.4 65.0  
119 31.9 26.3 39.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.446 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY016539.D  
Acq: 29 Nov 2023 16:19

Tgt Ion:152 Resp: 56976  
Ion Ratio Lower Upper  
152 100  
115 56.4 28.8 86.5  
150 157.0 0.0 348.8

