

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092525\  
 Data File : VY023370.D  
 Acq On : 25 Sep 2025 13:45  
 Operator : SY/MD  
 Sample : Q3187-01  
 Misc : 5.23g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 228

Quant Time: Sep 25 16:39:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 10 01:44:33 2025  
 Response via : Initial Calibration

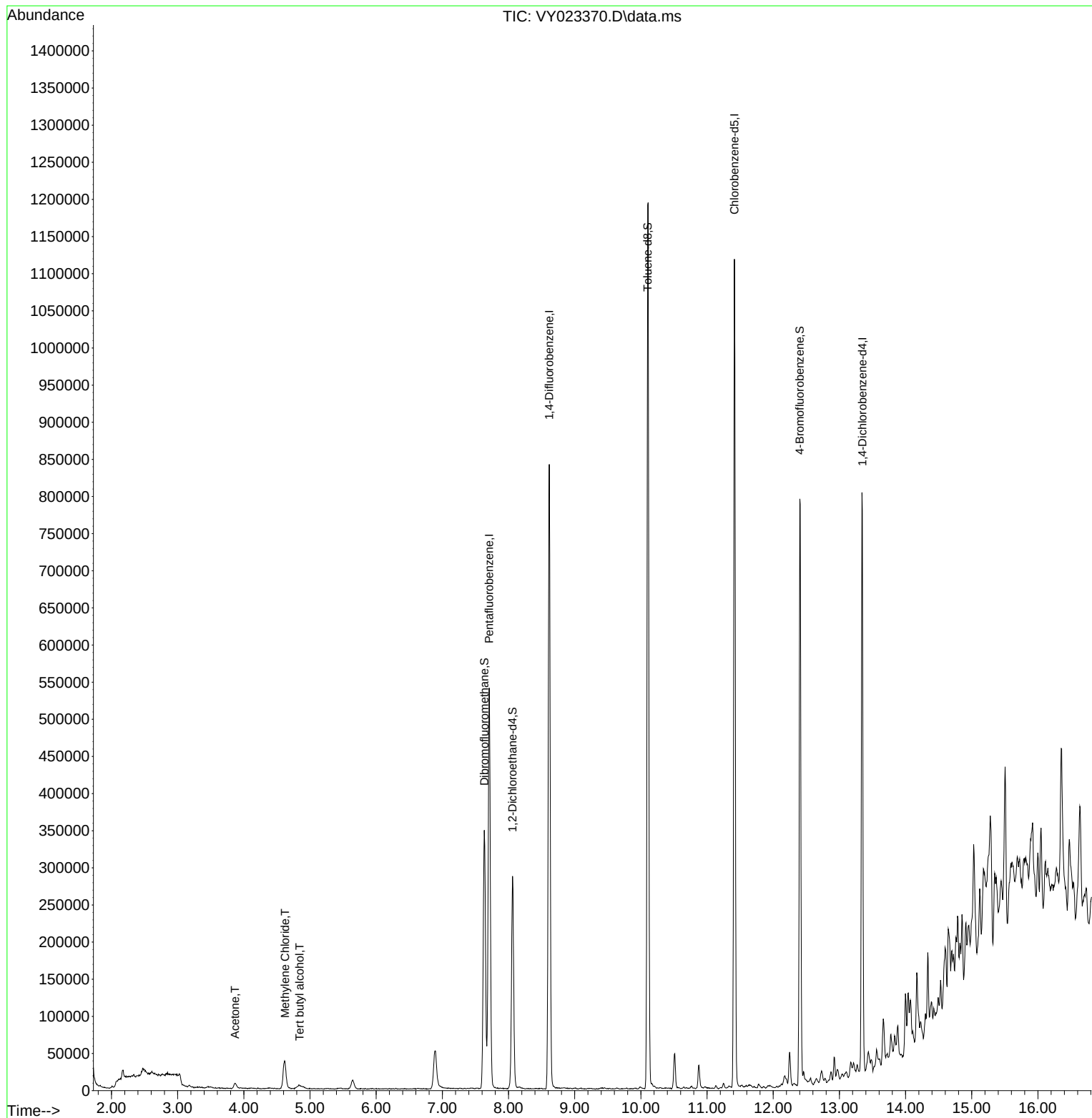
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 7.707  | 168   | 445128   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 763868   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 620613   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 213056   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 219244   | 56.052   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =      | 112.100% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 251449   | 53.852   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =      | 107.700% |
| 50) Toluene-d8              | 10.103 | 98    | 833180   | 47.256   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =      | 94.520%  |
| 62) 4-Bromofluorobenzene    | 12.401 | 95    | 230318   | 41.510   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =      | 83.020%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 4.842  | 59    | 7687     | 34.012   | ug/l # | 71       |
| 16) Acetone                 | 3.866  | 43    | 13173    | 14.785   | ug/l   | 95       |
| 20) Methylene Chloride      | 4.622  | 84    | 30021    | 6.298    | ug/l   | 92       |
| -----                       |        |       |          |          |        |          |

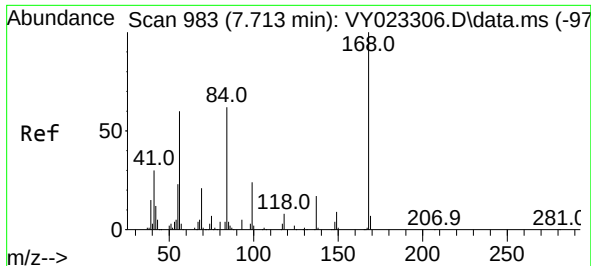
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090825S.M  
Quant Title : SW846 8260  
QLast Update : Wed Sep 10 01:44:33 2025  
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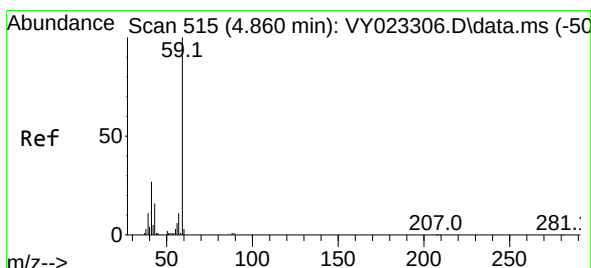
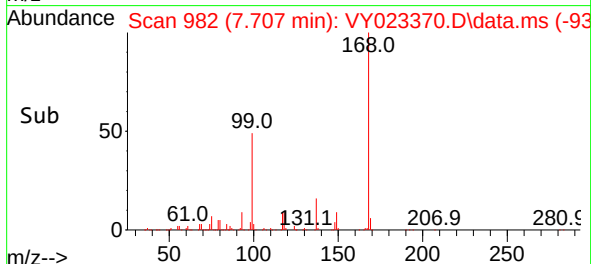
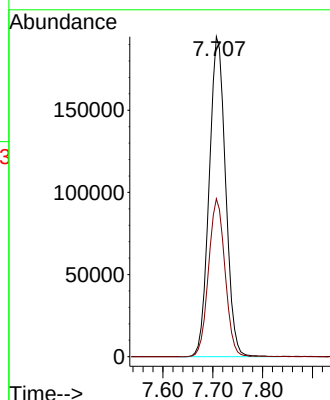
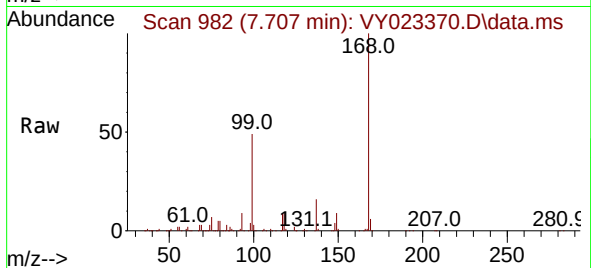




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY023370.D  
Acq: 25 Sep 2025 13:45

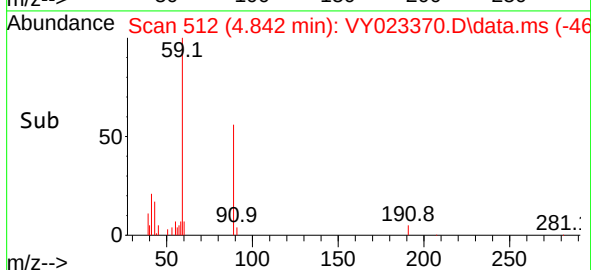
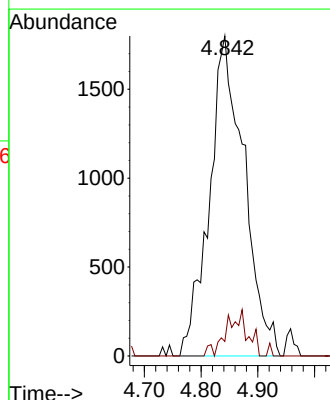
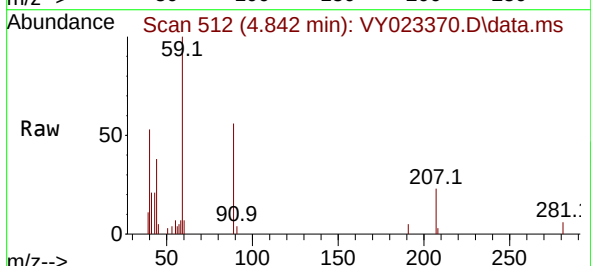
Instrument :  
MSVOA\_Y  
ClientSampleId :  
228

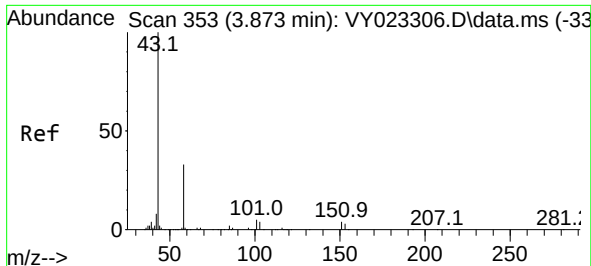
Tgt Ion:168 Resp: 445128  
Ion Ratio Lower Upper  
168 100  
99 49.4 42.8 64.2



#11  
Tert butyl alcohol  
Concen: 34.012 ug/l  
RT: 4.842 min Scan# 512  
Delta R.T. -0.018 min  
Lab File: VY023370.D  
Acq: 25 Sep 2025 13:45

Tgt Ion: 59 Resp: 7687  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.6 13.0#

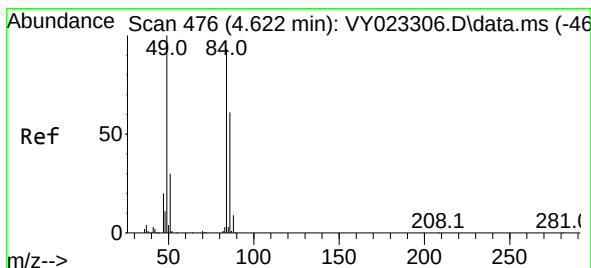
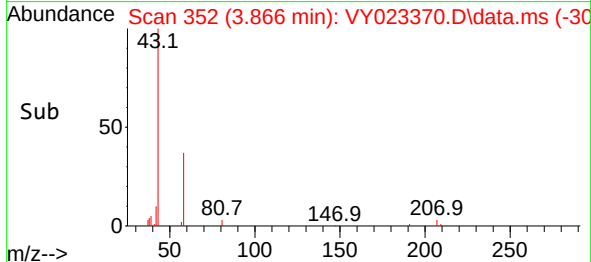
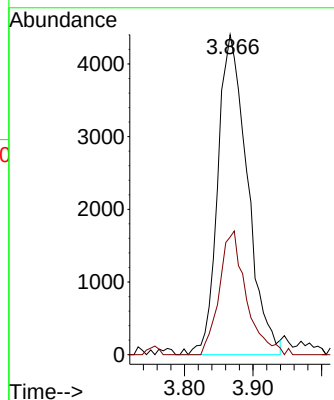
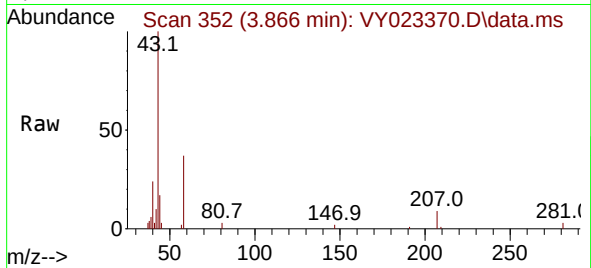




#16  
Acetone  
Concen: 14.785 ug/l  
RT: 3.866 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY023370.D  
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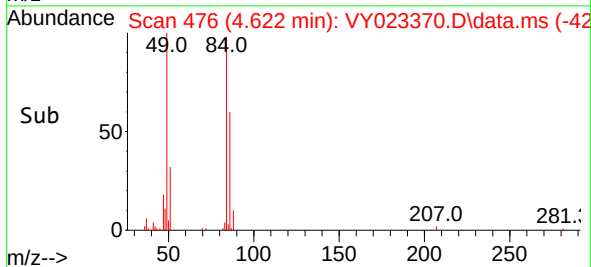
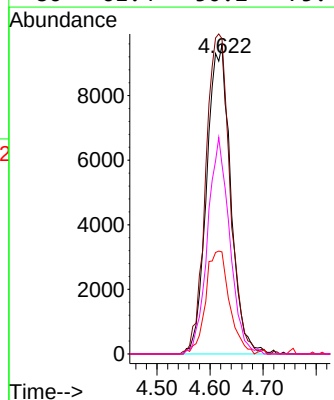
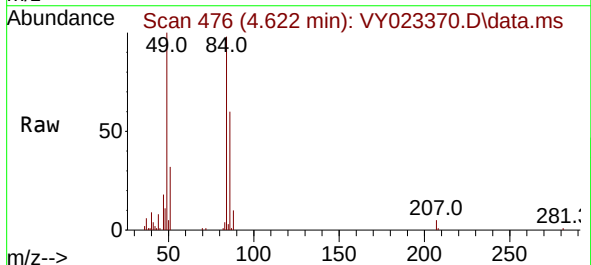
Instrument :  
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228

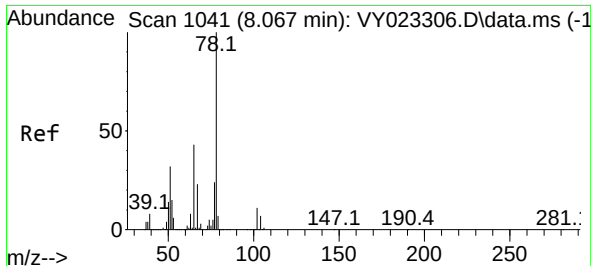
Tgt Ion: 43 Resp: 13173  
Ion Ratio Lower Upper  
43 100  
58 36.7 27.1 40.7



#20  
Methylene Chloride  
Concen: 6.298 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. 0.018 min  
Lab File: VY023370.D  
Acq: 25 Sep 2025 13:45

Tgt Ion: 84 Resp: 30021  
Ion Ratio Lower Upper  
84 100  
49 102.1 93.0 139.6  
51 33.1 29.0 43.4  
86 61.4 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 56.052 ug/l

RT: 8.061 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023370.D

Acq: 25 Sep 2025 13:45

Instrument :

MSVOA\_Y

ClientSampleId :

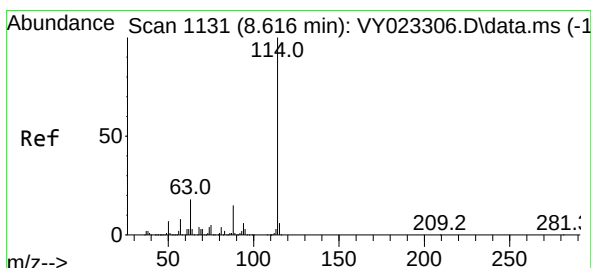
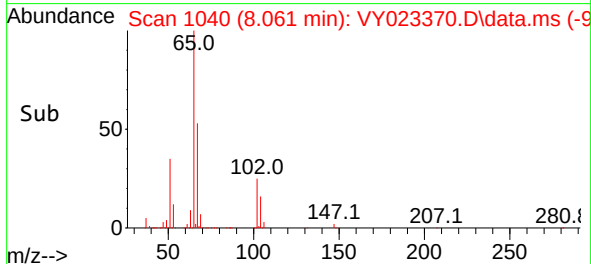
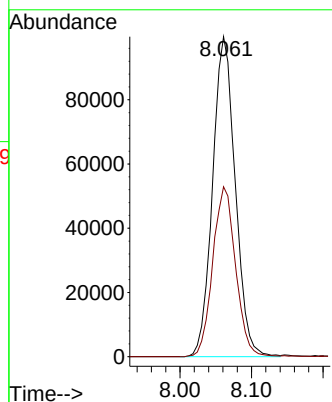
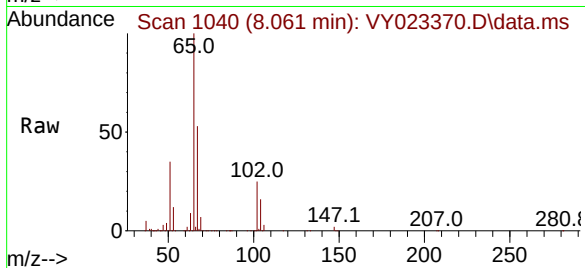
228

Tgt Ion: 65 Resp: 219244

Ion Ratio Lower Upper

65 100

67 53.7 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023370.D

Acq: 25 Sep 2025 13:45

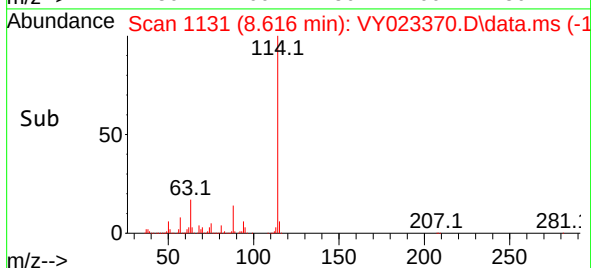
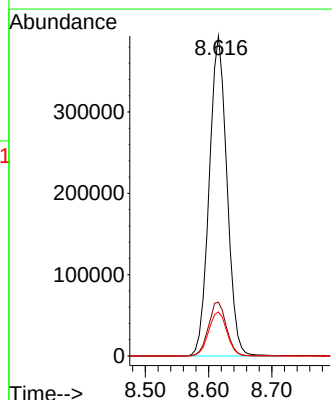
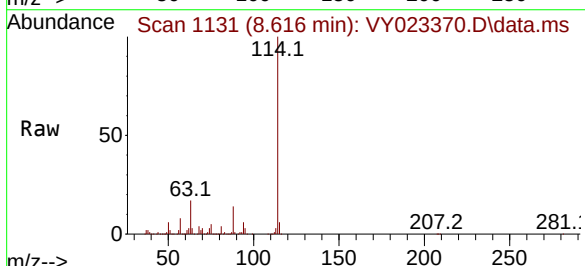
Tgt Ion: 114 Resp: 763868

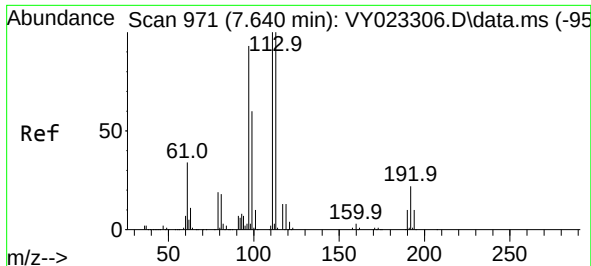
Ion Ratio Lower Upper

114 100

63 16.8 0.0 38.4

88 13.8 0.0 30.0

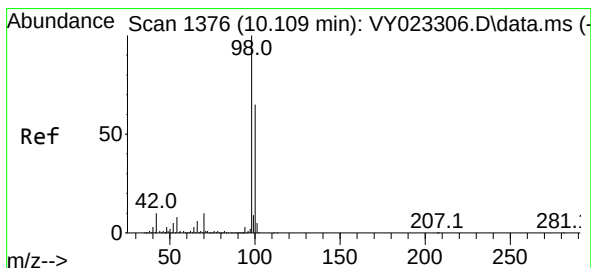
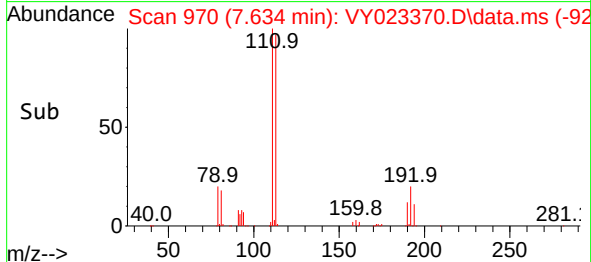
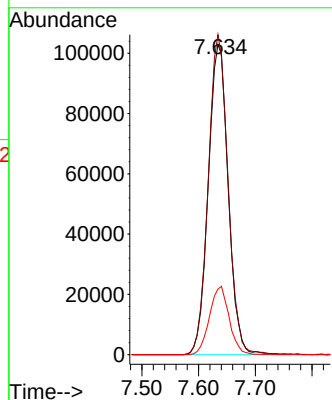
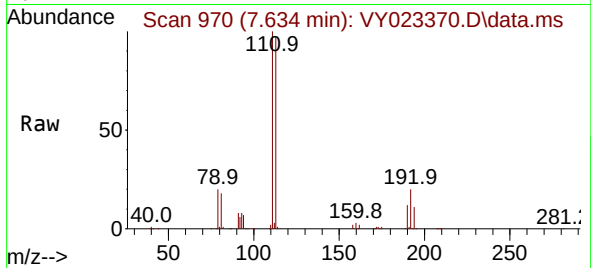




#35  
Dibromofluoromethane  
Concen: 53.852 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023370.D  
Acq: 25 Sep 2025 13:45

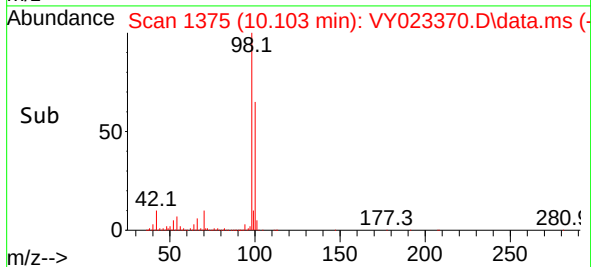
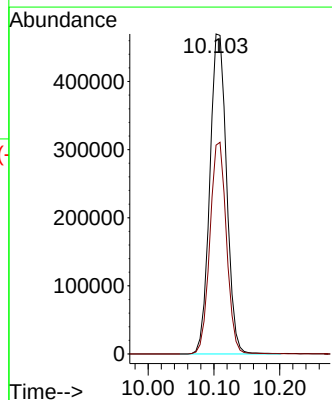
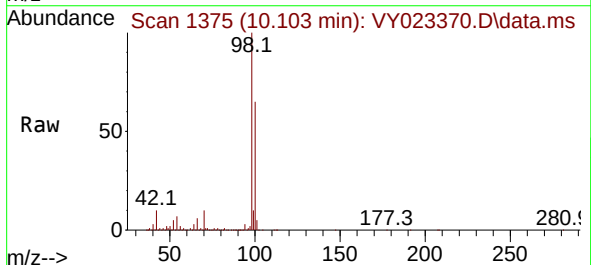
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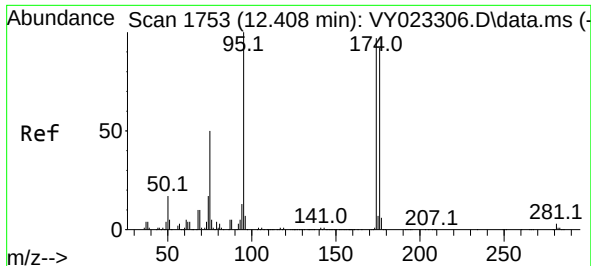
Tgt Ion:113 Resp: 251449  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.1 121.7  
192 21.8 16.2 24.4



#50  
Toluene-d8  
Concen: 47.256 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: VY023370.D  
Acq: 25 Sep 2025 13:45

Tgt Ion: 98 Resp: 833180  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.3 78.5

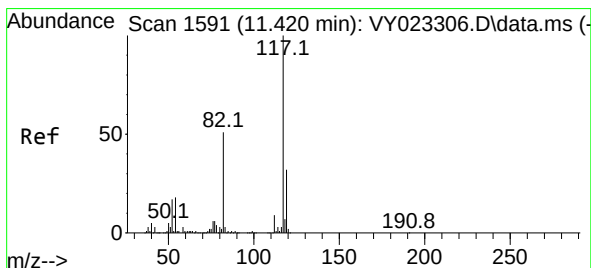
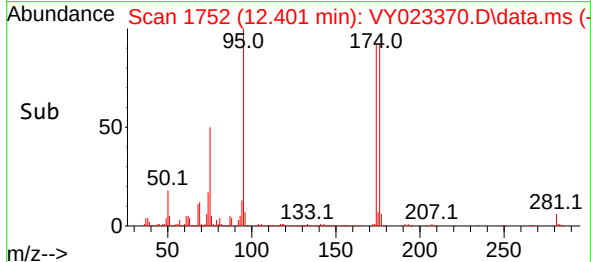
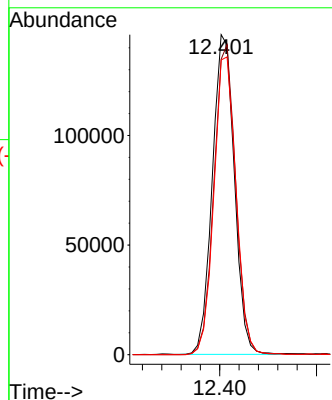
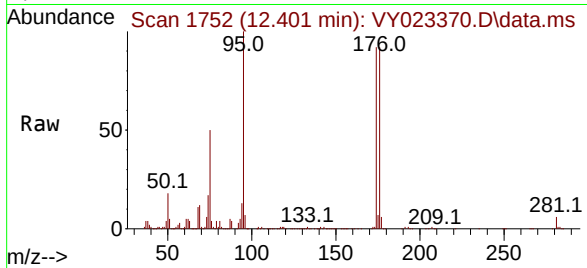




#62  
4-Bromofluorobenzene  
Concen: 41.510 ug/l  
RT: 12.401 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY023370.D  
Acq: 25 Sep 2025 13:45

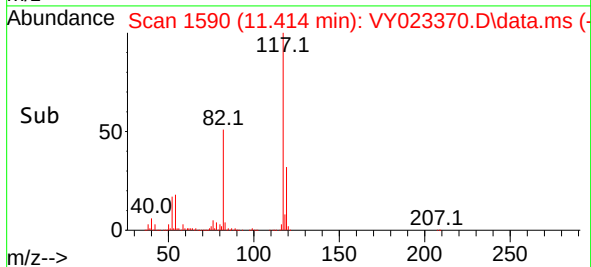
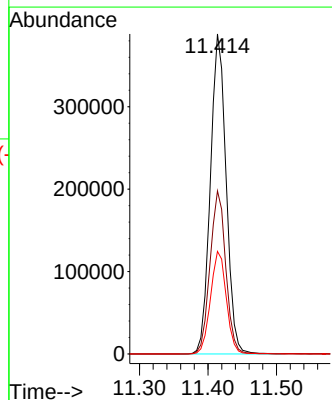
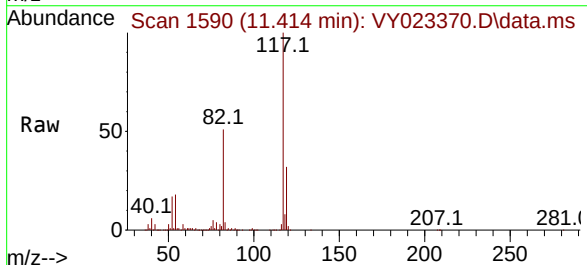
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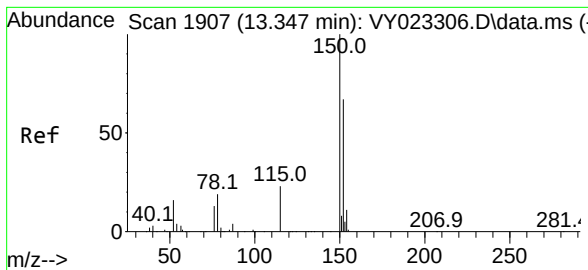
Tgt Ion: 95 Resp: 230318  
Ion Ratio Lower Upper  
95 100  
174 95.8 0.0 171.6  
176 93.5 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. 0.006 min  
Lab File: VY023370.D  
Acq: 25 Sep 2025 13:45

Tgt Ion: 117 Resp: 620613  
Ion Ratio Lower Upper  
117 100  
82 51.0 43.4 65.0  
119 32.1 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. 0.006 min  
 Lab File: VY023370.D  
 Acq: 25 Sep 2025 13:45

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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Tgt Ion:152 Resp: 213056  
 Ion Ratio Lower Upper  
 152 100  
 115 55.0 28.2 84.6  
 150 157.1 0.0 348.0

