

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY022725\  
 Data File : VY021356.D  
 Acq On : 27 Feb 2025 14:25  
 Operator : SY/MD  
 Sample : Q1422-02  
 Misc : 8.86g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 B-154-SB02

Quant Time: Feb 28 00:41:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022525S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 26 02:09:13 2025  
 Response via : Initial Calibration

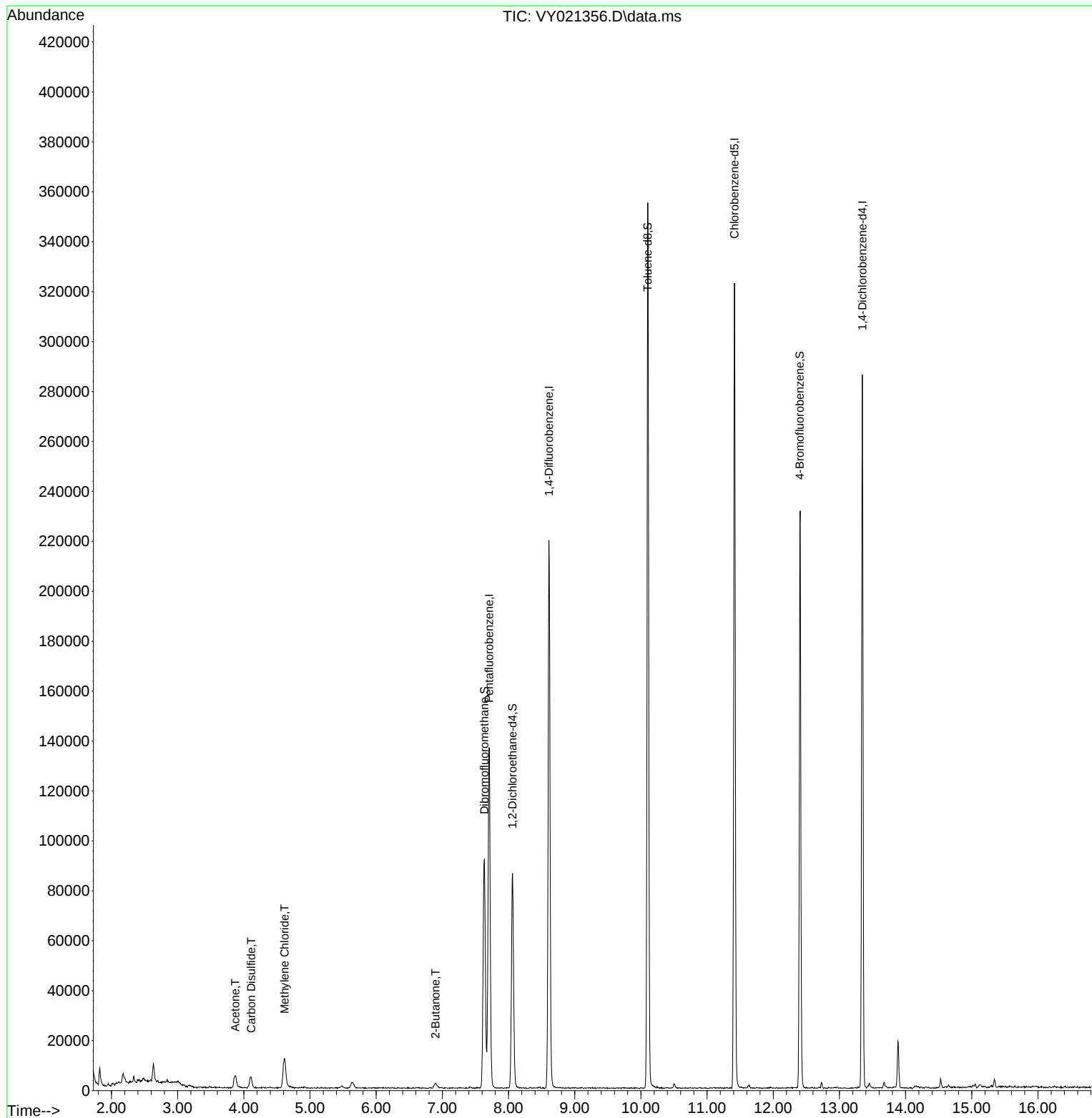
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.707     | 168   | 101080   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.610     | 114   | 180077   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.414    | 117   | 164666   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.347    | 152   | 67669    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.061     | 65    | 69216    | 60.363   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 120.720% |          |
| 35) Dibromofluoromethane    | 7.634     | 113   | 64385    | 54.536   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 109.080% |          |
| 50) Toluene-d8              | 10.103    | 98    | 222153   | 48.689   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 97.380%  |          |
| 62) 4-Bromofluorobenzene    | 12.402    | 95    | 67996    | 44.281   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 88.560%  |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 16) Acetone                 | 3.873     | 43    | 9460     | 43.008   | ug/l       | 90       |
| 17) Carbon Disulfide        | 4.110     | 76    | 8561     | 2.535    | ug/l       | 96       |
| 20) Methylene Chloride      | 4.616     | 84    | 8645     | 7.268    | ug/l #     | 92       |
| 25) 2-Butanone              | 6.896     | 43    | 2592     | 7.808    | ug/l #     | 90       |
| -----                       |           |       |          |          |            |          |

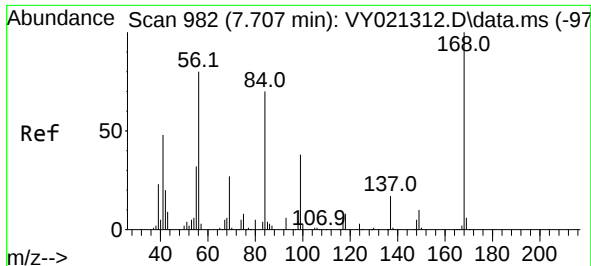
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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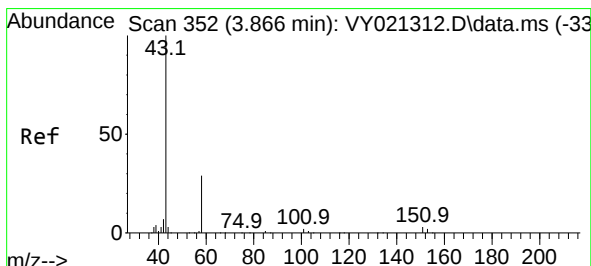
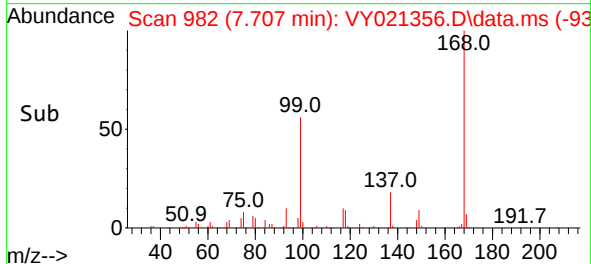
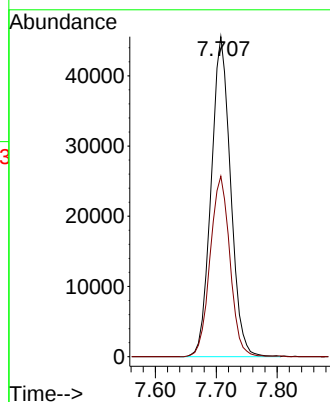
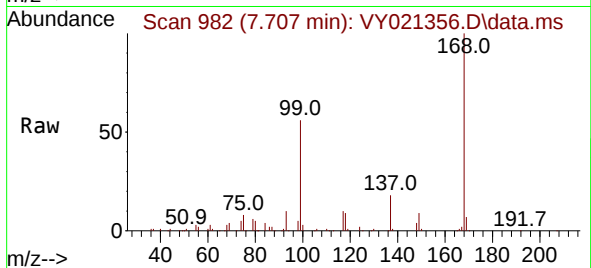




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

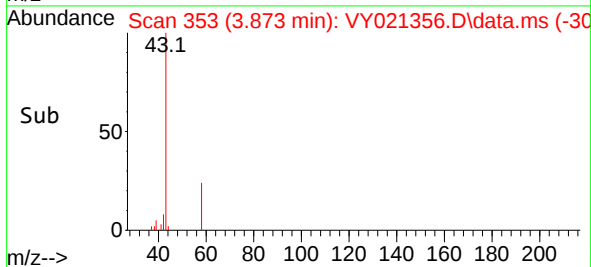
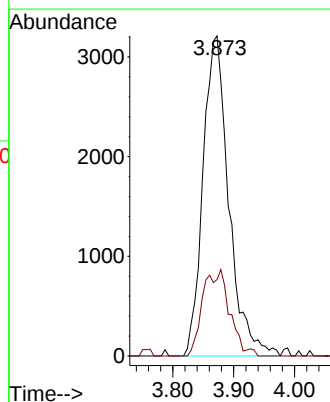
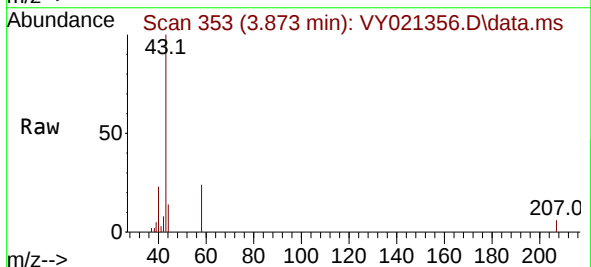
Instrument :  
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ClientSampleId :  
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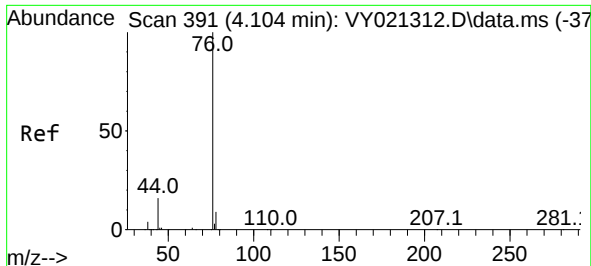
Tgt Ion:168 Resp: 101080  
Ion Ratio Lower Upper  
168 100  
99 56.4 47.1 70.7



#16  
Acetone  
Concen: 43.008 ug/l  
RT: 3.873 min Scan# 353  
Delta R.T. 0.006 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

Tgt Ion: 43 Resp: 9460  
Ion Ratio Lower Upper  
43 100  
58 23.9 23.5 35.3

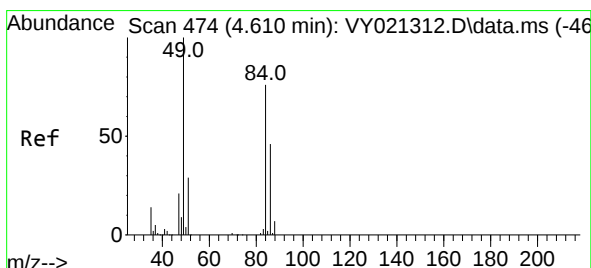
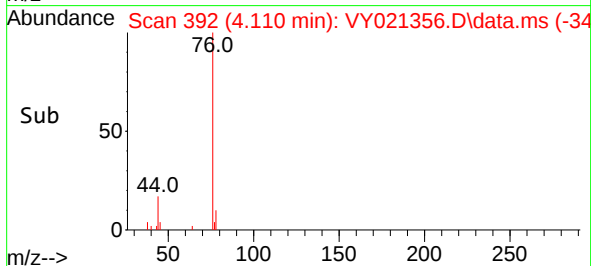
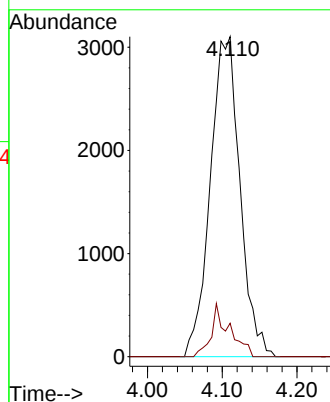
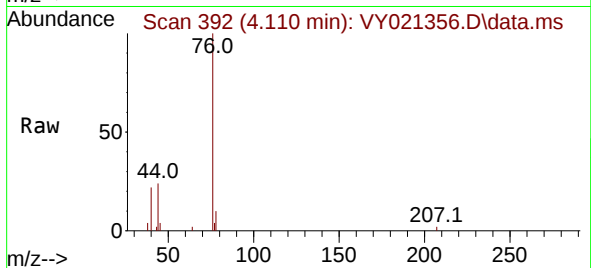




#17  
Carbon Disulfide  
Concen: 2.535 ug/l  
RT: 4.110 min Scan# 391  
Delta R.T. 0.006 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

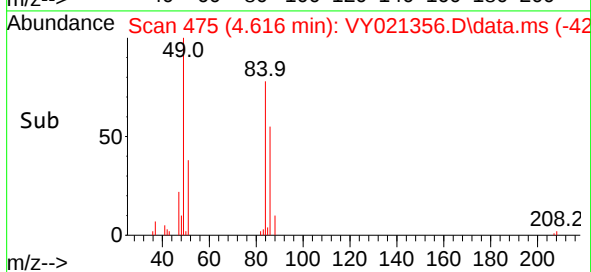
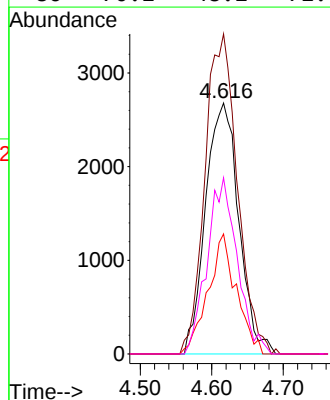
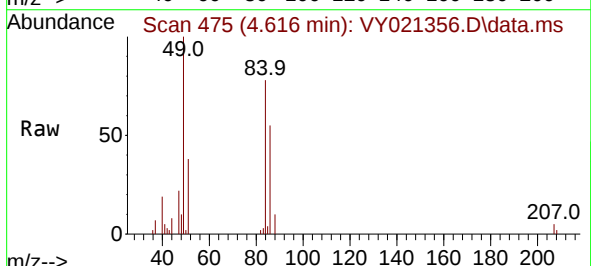
Instrument :  
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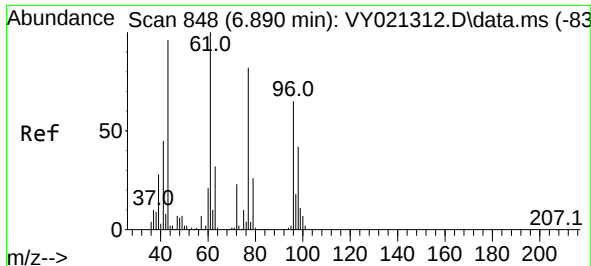
Tgt Ion: 76 Resp: 8561  
Ion Ratio Lower Upper  
76 100  
78 10.4 7.1 10.7



#20  
Methylene Chloride  
Concen: 7.268 ug/l  
RT: 4.616 min Scan# 475  
Delta R.T. 0.006 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

Tgt Ion: 84 Resp: 8645  
Ion Ratio Lower Upper  
84 100  
49 127.6 105.1 157.7  
51 47.9 31.0 46.4#  
86 70.2 48.2 72.4

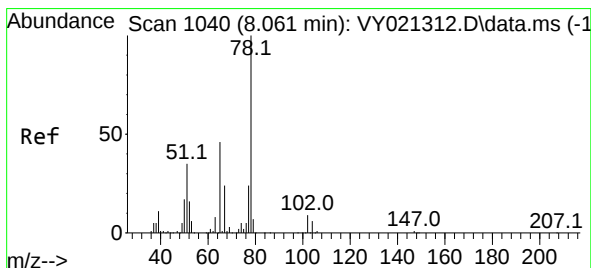
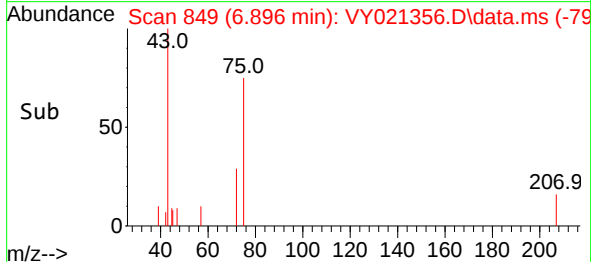
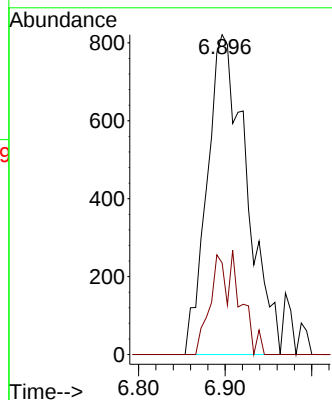
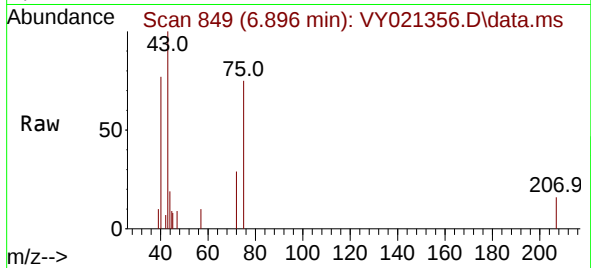




#25  
2-Butanone  
Concen: 7.808 ug/l  
RT: 6.896 min Scan# 848  
Delta R.T. 0.006 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

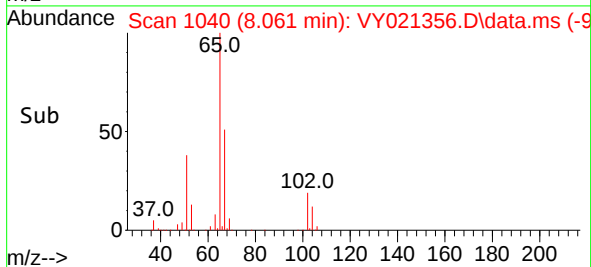
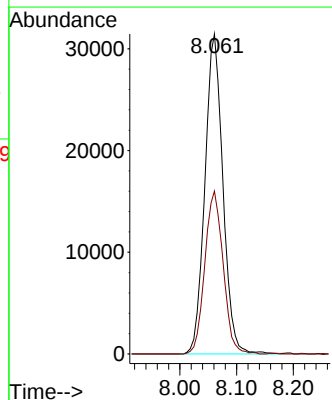
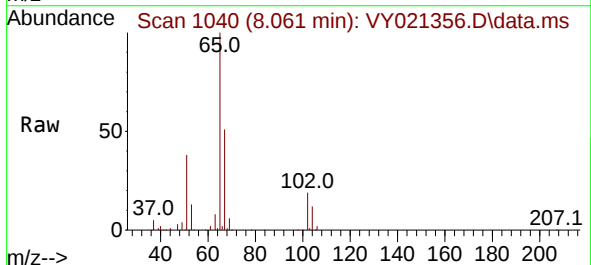
Instrument :  
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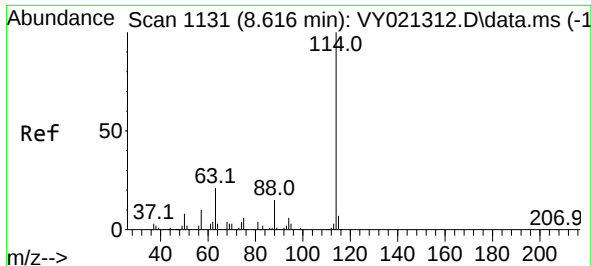
Tgt Ion: 43 Resp: 2592  
Ion Ratio Lower Upper  
43 100  
72 28.6 19.0 28.6#



#33  
1,2-Dichloroethane-d4  
Concen: 60.363 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

Tgt Ion: 65 Resp: 69216  
Ion Ratio Lower Upper  
65 100  
67 51.8 0.0 103.6

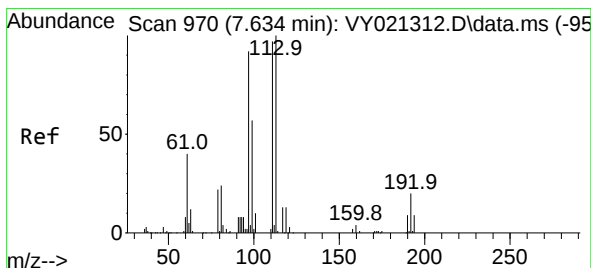
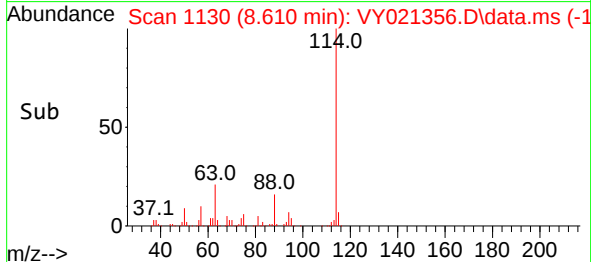
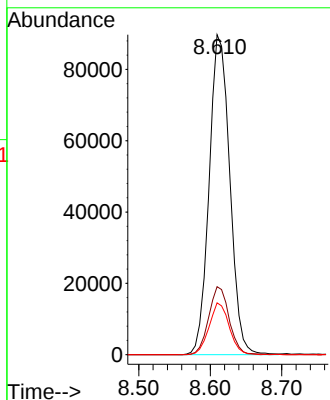
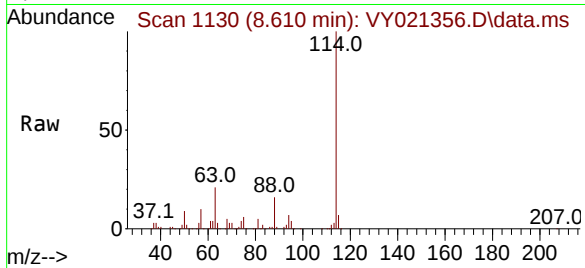




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.610 min Scan# 1131  
Delta R.T. -0.006 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

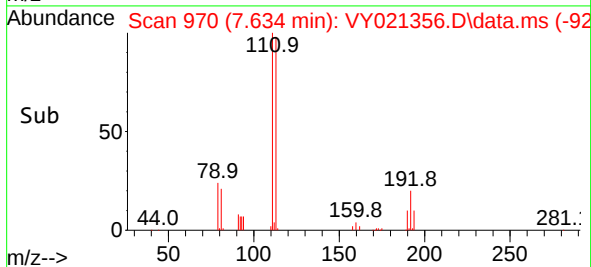
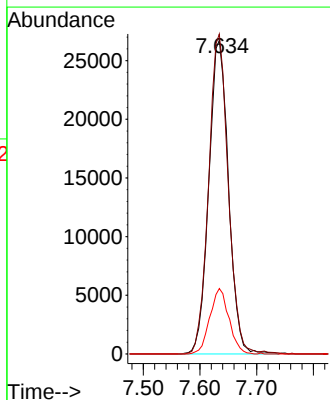
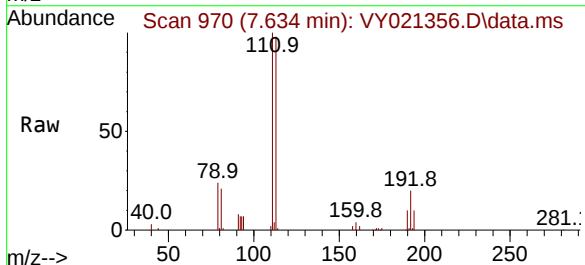
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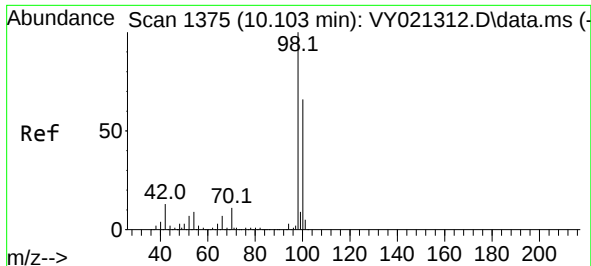
Tgt Ion:114 Resp: 180077  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 42.2  
88 16.2 0.0 29.8



#35  
Dibromofluoromethane  
Concen: 54.536 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

Tgt Ion:113 Resp: 64385  
Ion Ratio Lower Upper  
113 100  
111 101.9 81.0 121.6  
192 20.3 15.8 23.8

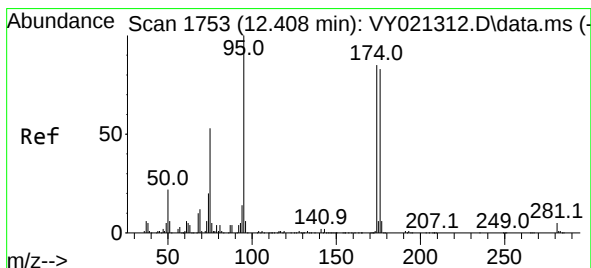
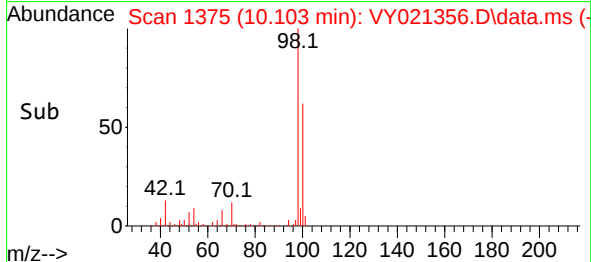
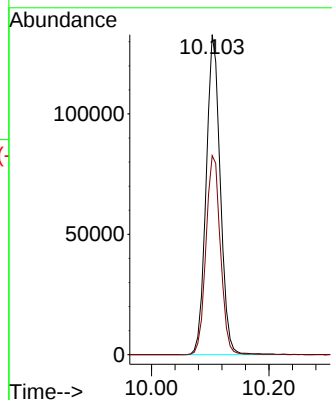
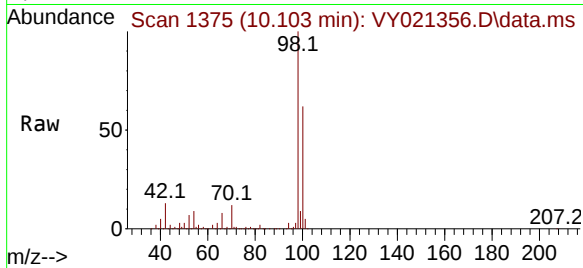




#50  
Toluene-d8  
Concen: 48.689 ug/l  
RT: 10.103 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

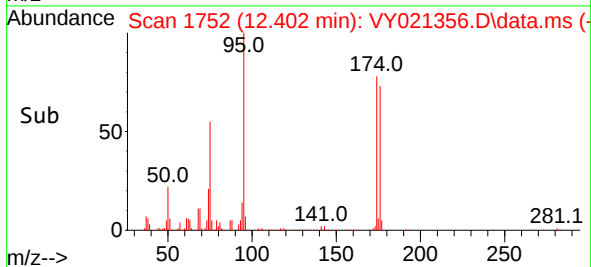
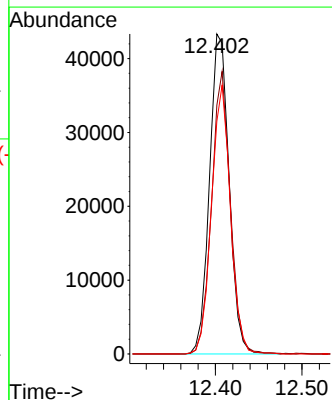
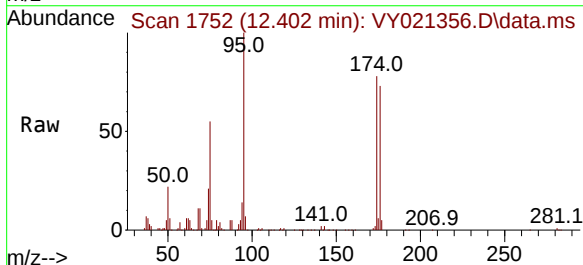
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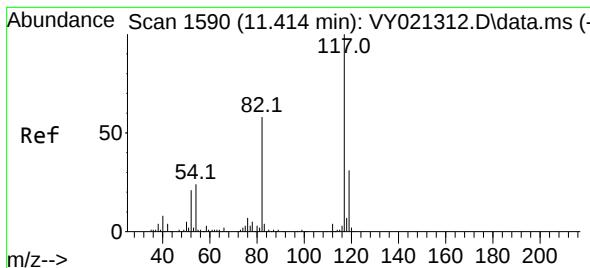
Tgt Ion: 98 Resp: 222153  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.4 78.6



#62  
4-Bromofluorobenzene  
Concen: 44.281 ug/l  
RT: 12.402 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY021356.D  
Acq: 27 Feb 2025 14:25

Tgt Ion: 95 Resp: 67996  
Ion Ratio Lower Upper  
95 100  
174 84.7 0.0 168.0  
176 81.4 0.0 162.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021356.D

Acq: 27 Feb 2025 14:25

Instrument :

MSVOA\_Y

ClientSampleId :

B-154-SB02

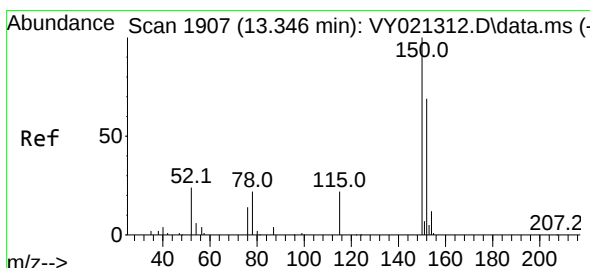
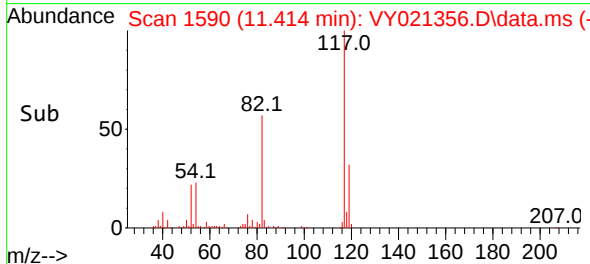
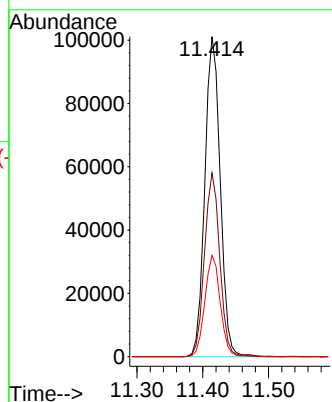
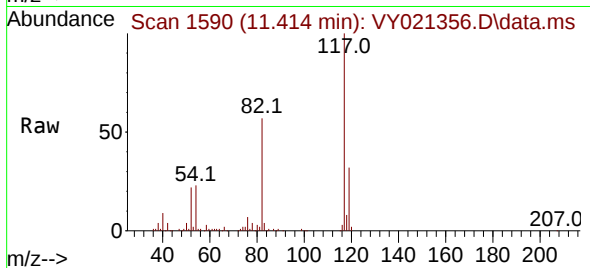
Tgt Ion:117 Resp: 164666

Ion Ratio Lower Upper

117 100

82 57.4 46.2 69.4

119 31.7 24.9 37.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021356.D

Acq: 27 Feb 2025 14:25

Tgt Ion:152 Resp: 67669

Ion Ratio Lower Upper

152 100

115 56.9 29.3 88.0

150 156.7 0.0 347.4

