

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102825\  
 Data File : VY023607.D  
 Acq On : 28 Oct 2025 15:22  
 Operator : SY/MD  
 Sample : Q3481-01  
 Misc : 5.89g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-02-102825

Quant Time: Oct 29 06:25:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y100725S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 08 05:12:50 2025  
 Response via : Initial Calibration

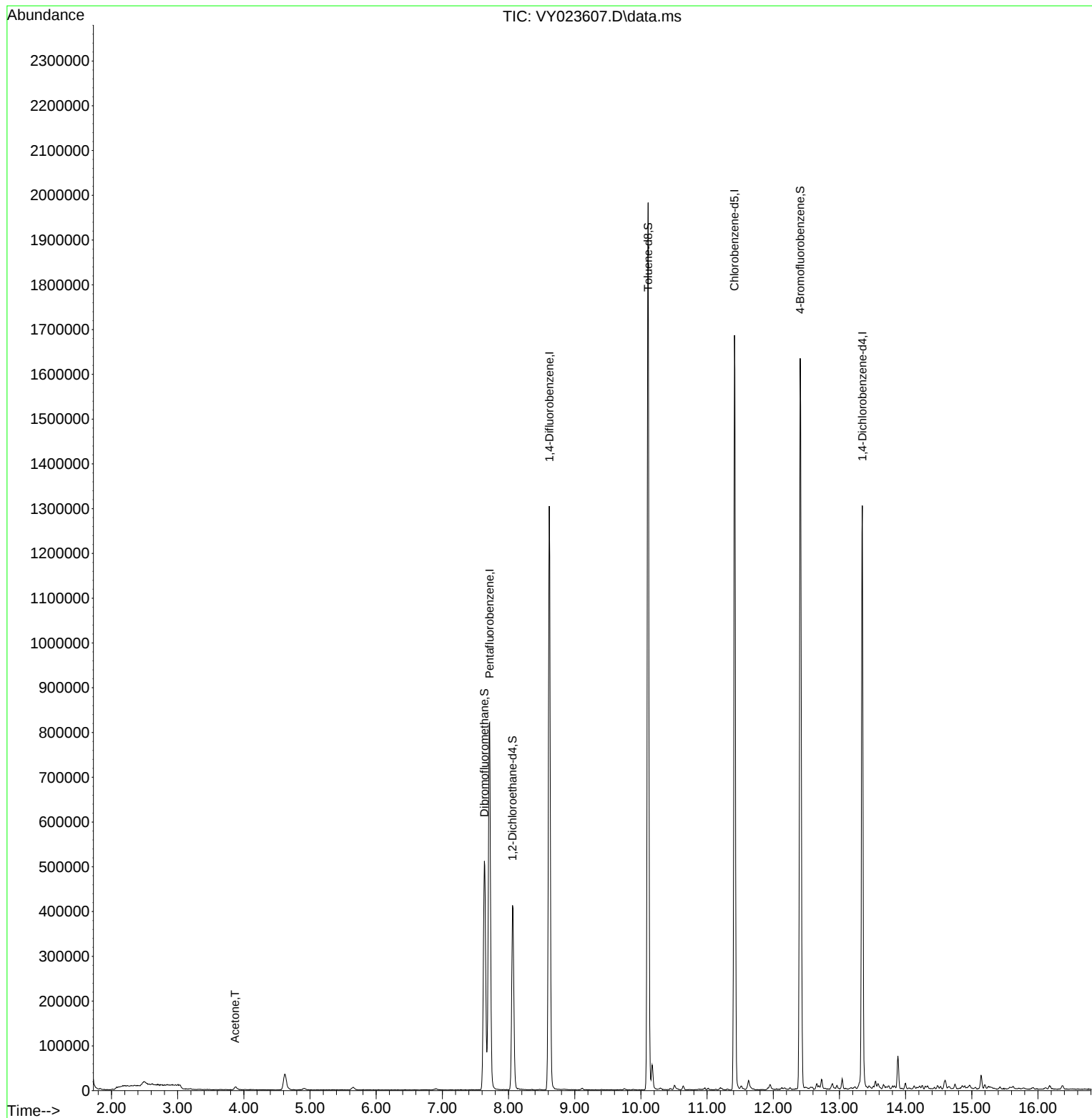
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.713  | 168   | 693515   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616  | 114   | 1183284  | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.414 | 117   | 958686   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346 | 152   | 356853   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.061  | 65    | 319733   | 55.133   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 110.260% |
| 35) Dibromofluoromethane    | 7.634  | 113   | 373243   | 51.335   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 102.680% |
| 50) Toluene-d8              | 10.109 | 98    | 1321067  | 48.790   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =     | 97.580%  |
| 62) 4-Bromofluorobenzene    | 12.408 | 95    | 357419   | 39.982   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =     | 79.960%  |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 3.866  | 43    | 11101    | 8.041    | ug/l  | 95       |
| -----                       |        |       |          |          |       |          |

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

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Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Response via : Initial Calibration

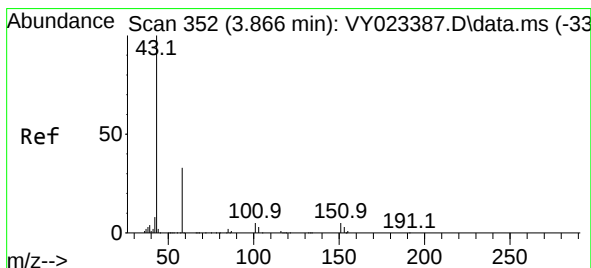
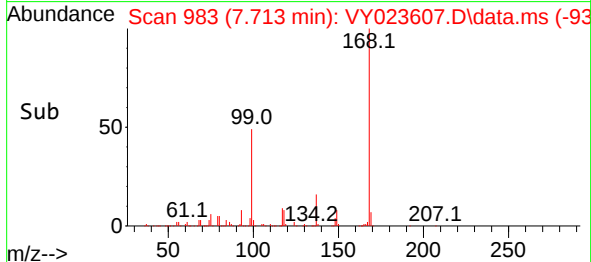
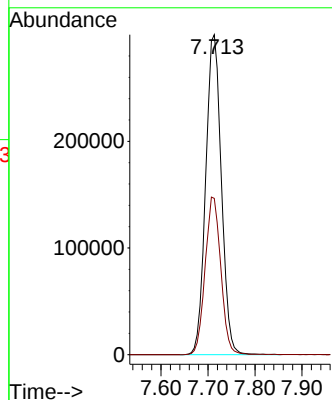
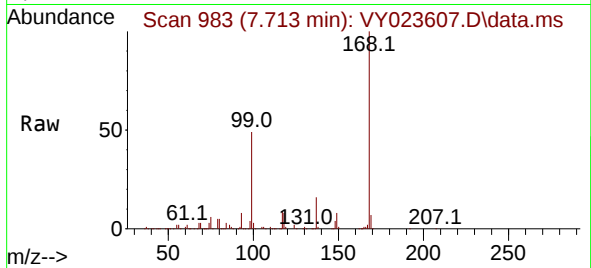




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY023607.D  
Acq: 28 Oct 2025 15:22

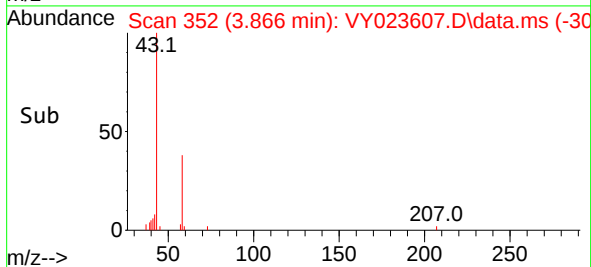
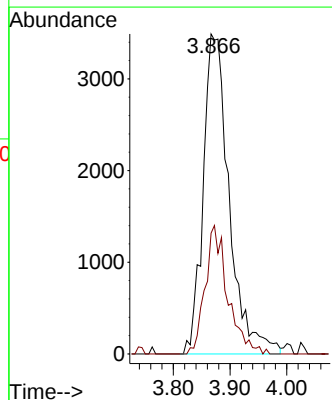
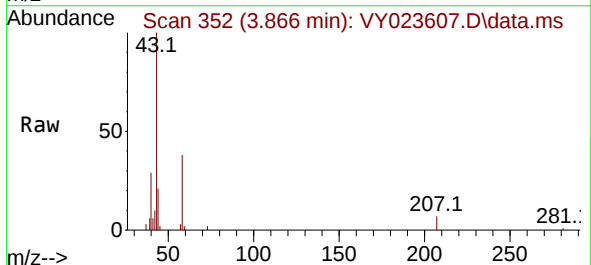
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-102825

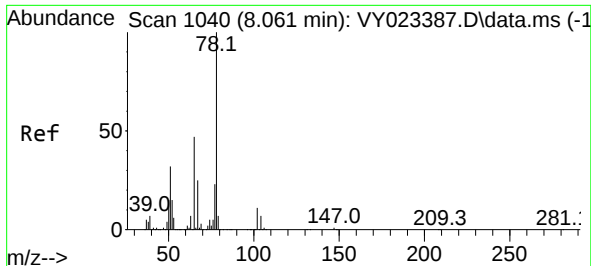
Tgt Ion:168 Resp: 693515  
Ion Ratio Lower Upper  
168 100  
99 48.8 39.7 59.5



#16  
Acetone  
Concen: 8.041 ug/l  
RT: 3.866 min Scan# 352  
Delta R.T. -0.000 min  
Lab File: VY023607.D  
Acq: 28 Oct 2025 15:22

Tgt Ion: 43 Resp: 11101  
Ion Ratio Lower Upper  
43 100  
58 37.7 27.7 41.5





#33

1,2-Dichloroethane-d4

Concen: 55.133 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. -0.000 min

Lab File: VY023607.D

Acq: 28 Oct 2025 15:22

Instrument :

MSVOA\_Y

ClientSampleId :

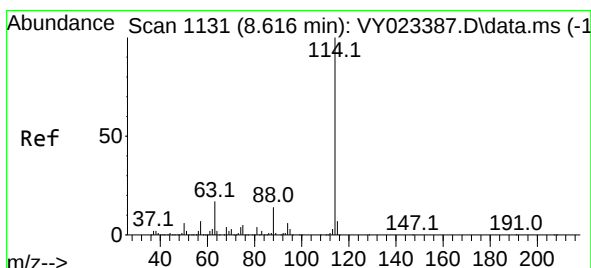
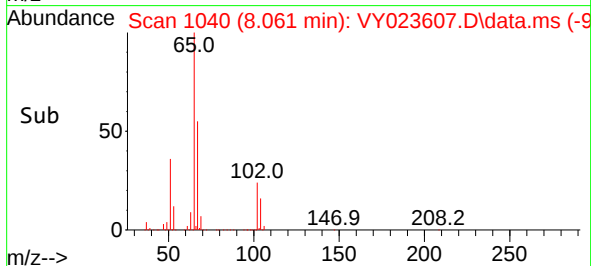
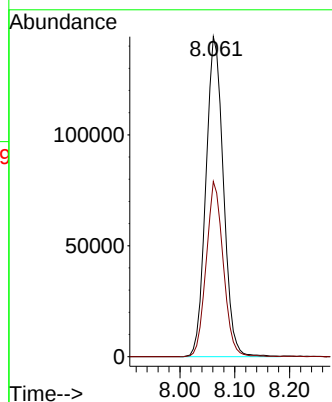
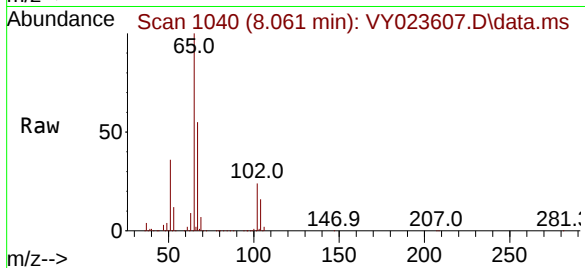
OR-02-102825

Tgt Ion: 65 Resp: 319733

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023607.D

Acq: 28 Oct 2025 15:22

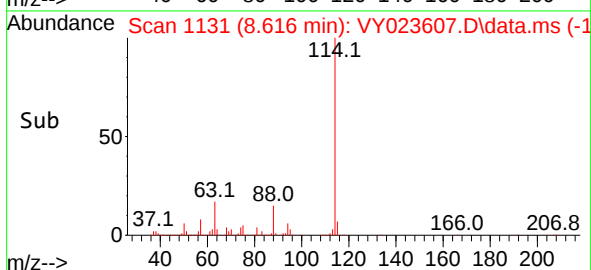
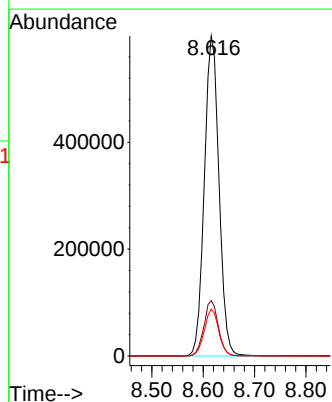
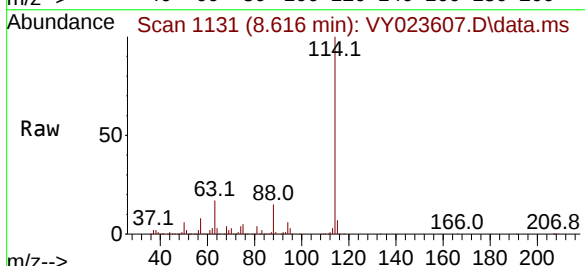
Tgt Ion: 114 Resp: 1183284

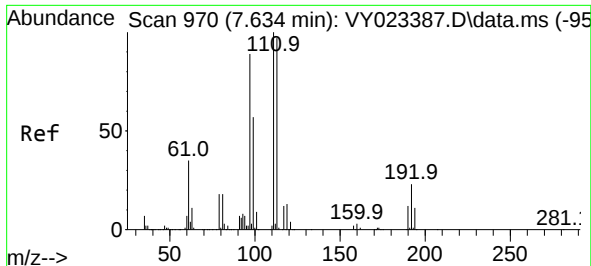
Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.7 0.0 28.4

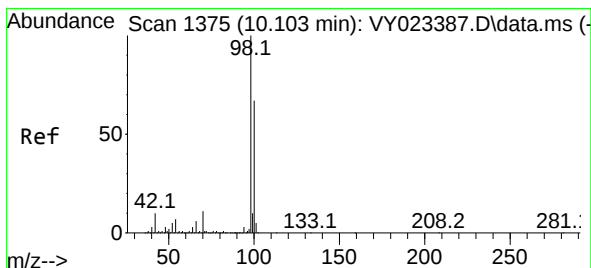
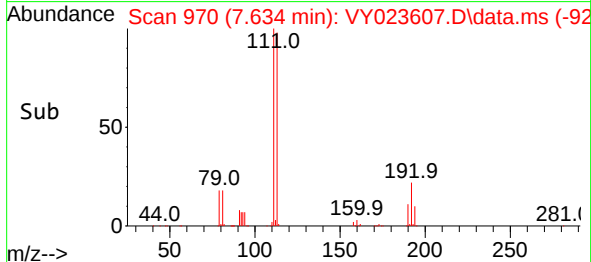
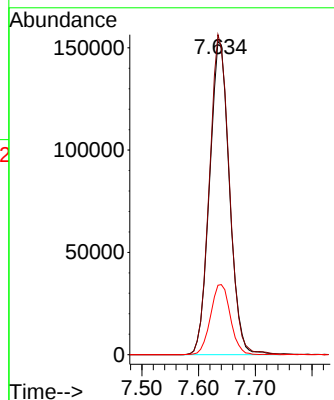
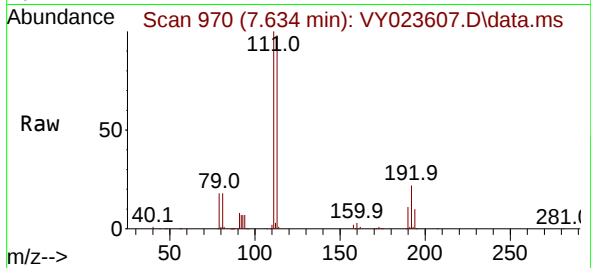




#35  
Dibromofluoromethane  
Concen: 51.335 ug/l  
RT: 7.634 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY023607.D  
Acq: 28 Oct 2025 15:22

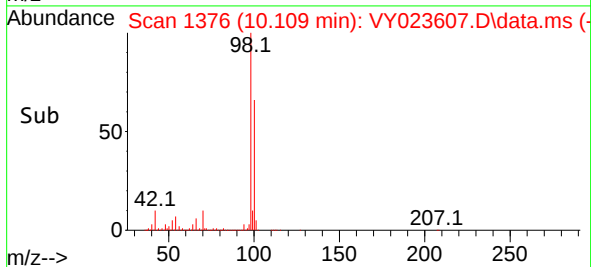
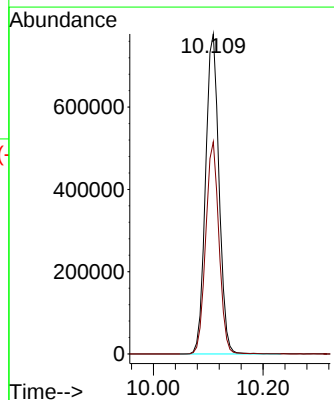
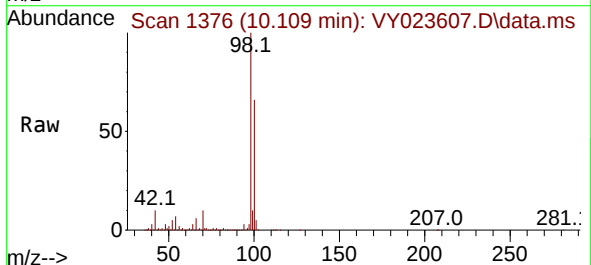
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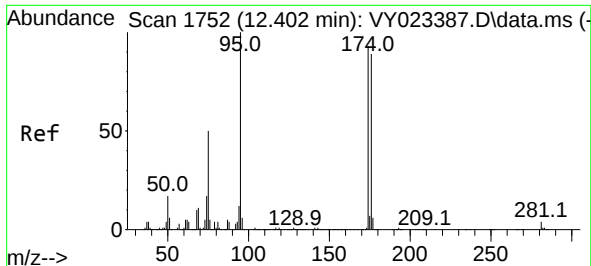
Tgt Ion:113 Resp: 373243  
Ion Ratio Lower Upper  
113 100  
111 102.1 81.8 122.6  
192 22.3 18.0 27.0



#50  
Toluene-d8  
Concen: 48.790 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. 0.006 min  
Lab File: VY023607.D  
Acq: 28 Oct 2025 15:22

Tgt Ion: 98 Resp: 1321067  
Ion Ratio Lower Upper  
98 100  
100 65.2 53.0 79.4

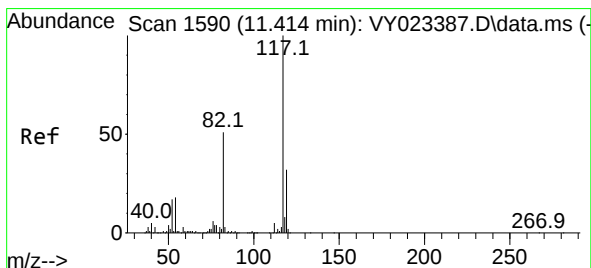
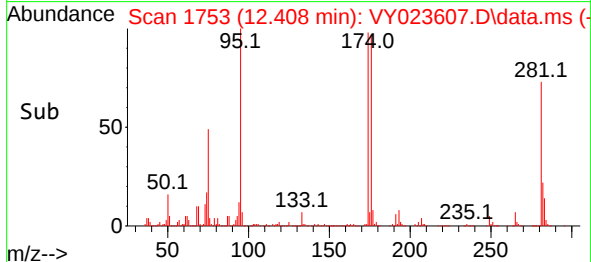
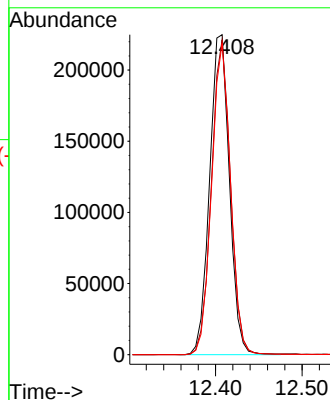
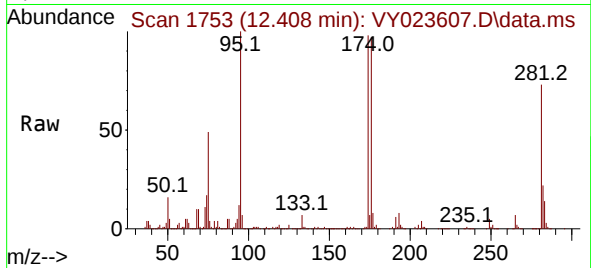




#62  
4-Bromofluorobenzene  
Concen: 39.982 ug/l  
RT: 12.408 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY023607.D  
Acq: 28 Oct 2025 15:22

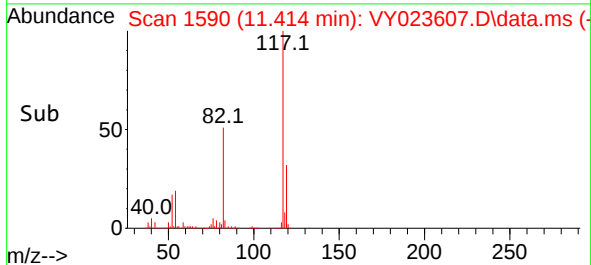
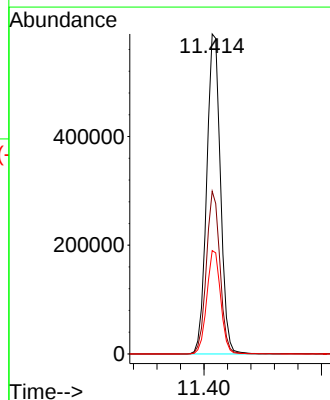
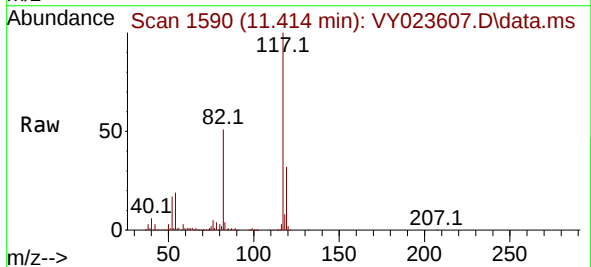
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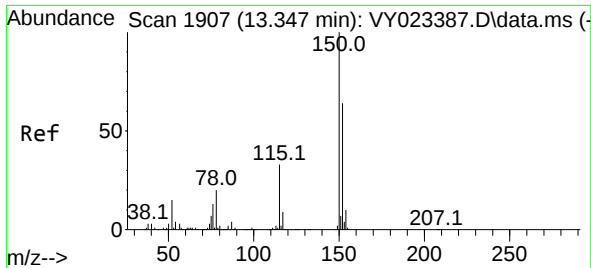
Tgt Ion: 95 Resp: 357419  
Ion Ratio Lower Upper  
95 100  
174 94.5 0.0 192.8  
176 93.0 0.0 187.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 1590  
Delta R.T. -0.000 min  
Lab File: VY023607.D  
Acq: 28 Oct 2025 15:22

Tgt Ion: 117 Resp: 958686  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.0 61.4  
119 32.3 25.6 38.4





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.346 min Scan# 1907  
 Delta R.T. -0.000 min  
 Lab File: VY023607.D  
 Acq: 28 Oct 2025 15:22

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-02-102825

Tgt Ion:152 Resp: 356853  
 Ion Ratio Lower Upper  
 152 100  
 115 55.1 27.1 81.2  
 150 156.9 0.0 347.4

