

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060225\  
 Data File : VY022506.D  
 Acq On : 02 Jun 2025 18:44  
 Operator : SY/MD  
 Sample : Q2150-02  
 Misc : 6.52g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 TP-42

Quant Time: Jun 03 04:09:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y060225S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 03 03:22:04 2025  
 Response via : Initial Calibration

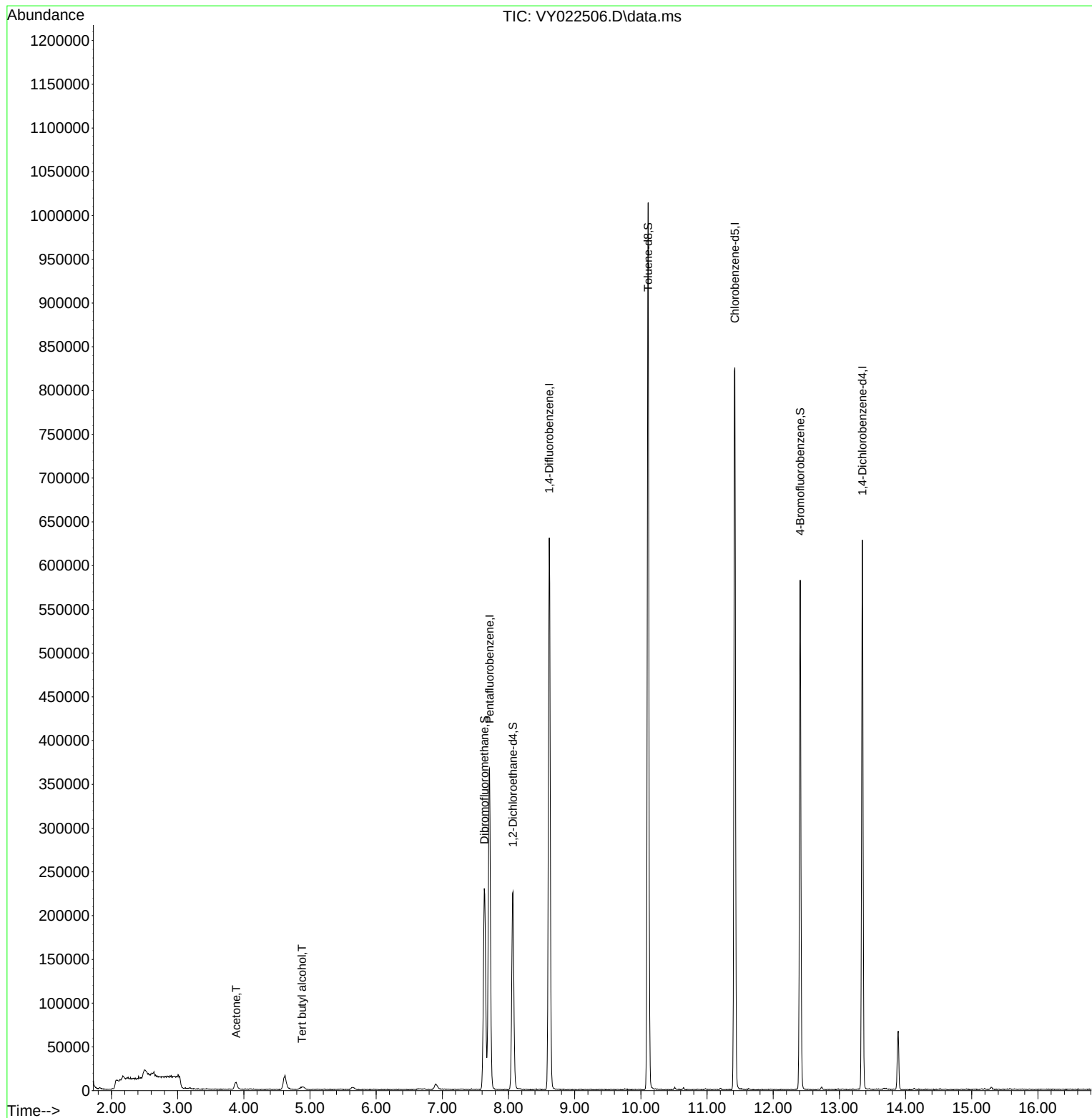
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.713     | 168   | 279093   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.616     | 114   | 514728   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.420    | 117   | 411552   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.346    | 152   | 142944   | 50.000   | ug/l       | 0.00     |
|                             |           |       |          |          |            |          |
| System Monitoring Compounds |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.067     | 65    | 170529   | 54.630   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 50 - 163 | Recovery | = 109.260% |          |
| 35) Dibromofluoromethane    | 7.634     | 113   | 159229   | 51.827   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 54 - 147 | Recovery | = 103.660% |          |
| 50) Toluene-d8              | 10.109    | 98    | 621468   | 50.062   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 134 | Recovery | = 100.120% |          |
| 62) 4-Bromofluorobenzene    | 12.408    | 95    | 154197   | 41.689   | ug/l       | 0.00     |
| Spiked Amount               | 50.000    | Range | 30 - 143 | Recovery | = 83.380%  |          |
|                             |           |       |          |          |            |          |
| Target Compounds            |           |       |          |          |            | Qvalue   |
| 11) Tert butyl alcohol      | 4.878     | 59    | 4623     | 20.736   | ug/l       | 96       |
| 16) Acetone                 | 3.885     | 43    | 14916    | 23.529   | ug/l       | 99       |
| -----                       |           |       |          |          |            |          |

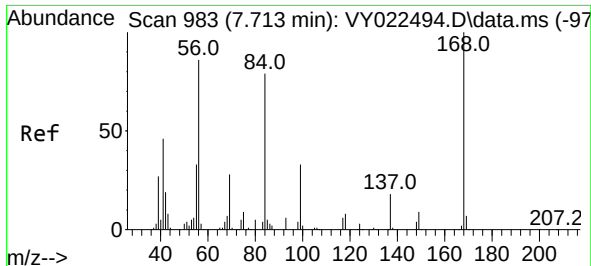
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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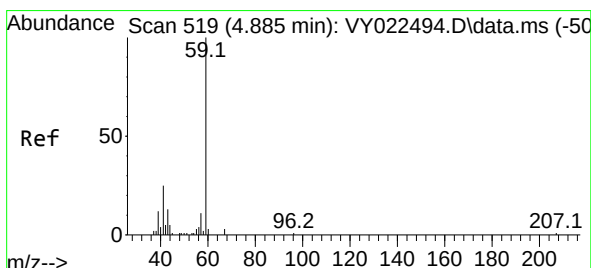
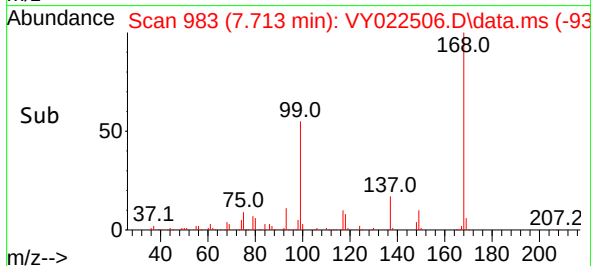
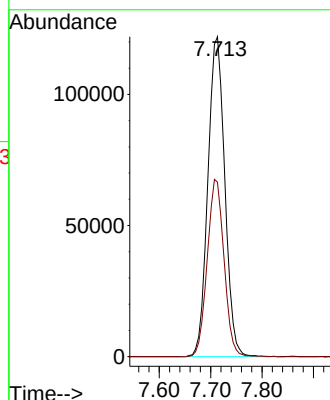
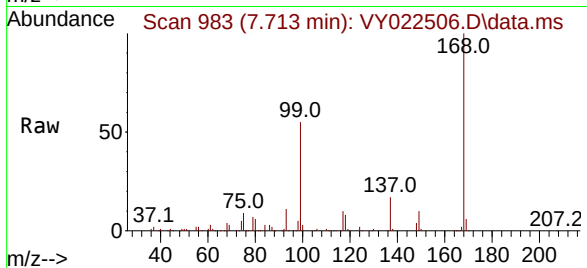




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

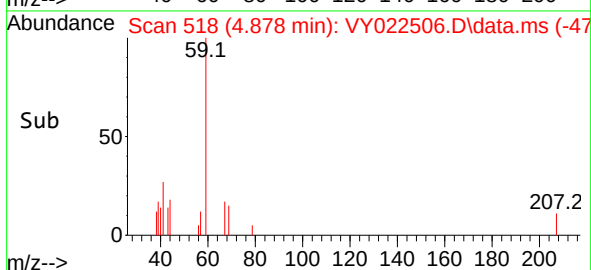
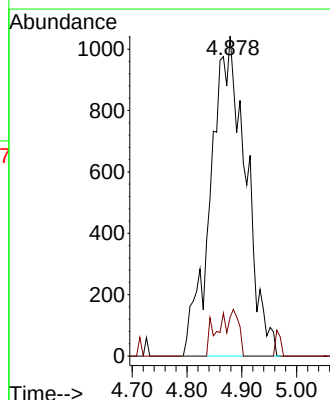
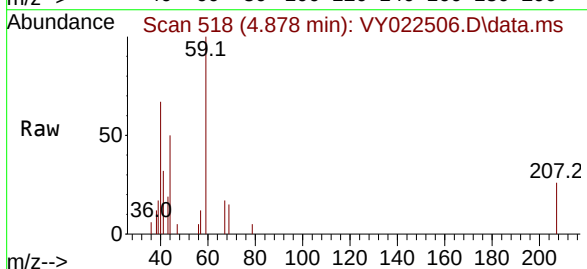
Instrument :  
MSVOA\_Y  
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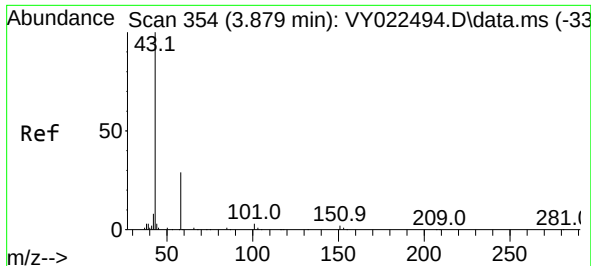
Tgt Ion:168 Resp: 279093  
Ion Ratio Lower Upper  
168 100  
99 54.5 44.3 66.5



#11  
Tert butyl alcohol  
Concen: 20.736 ug/l  
RT: 4.878 min Scan# 518  
Delta R.T. -0.006 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

Tgt Ion: 59 Resp: 4623  
Ion Ratio Lower Upper  
59 100  
57 8.4 8.0 12.0

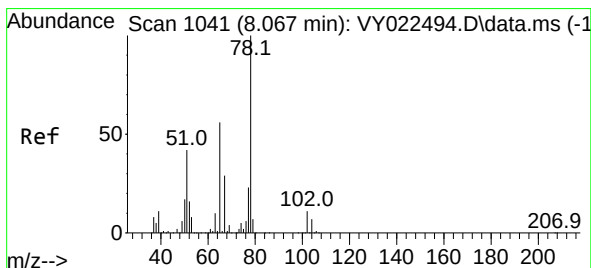
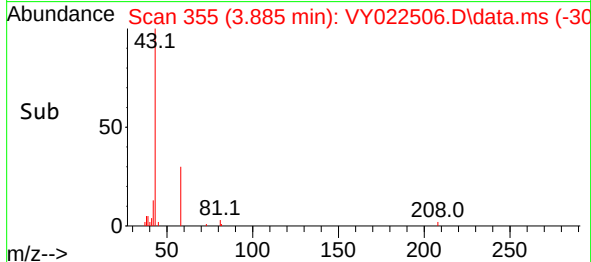
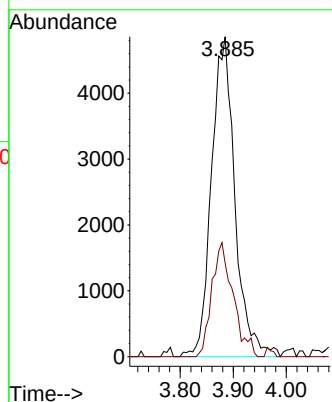
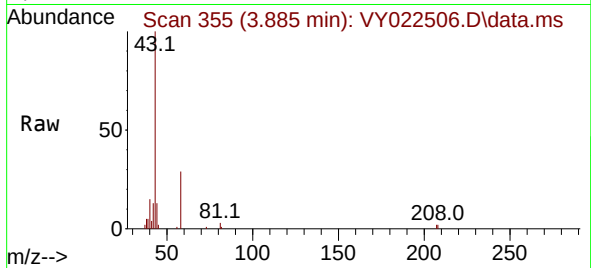




#16  
Acetone  
Concen: 23.529 ug/l  
RT: 3.885 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

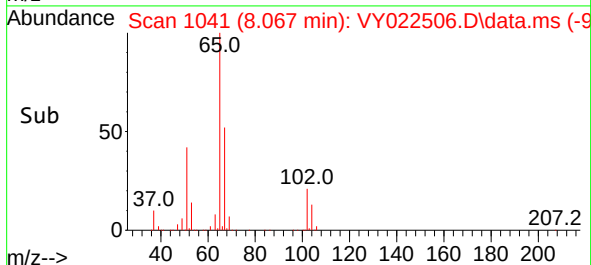
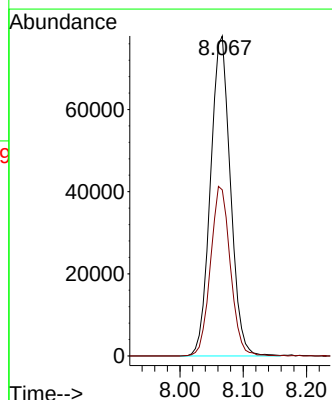
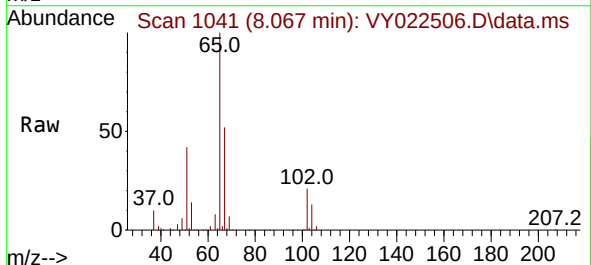
Instrument :  
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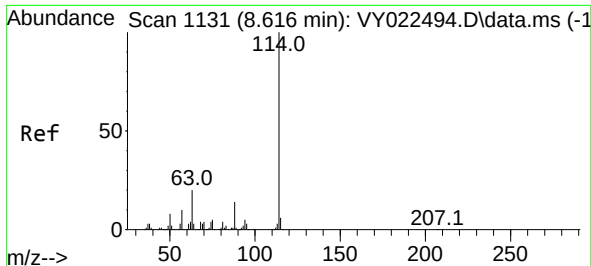
Tgt Ion: 43 Resp: 14916  
Ion Ratio Lower Upper  
43 100  
58 29.2 24.0 36.0



#33  
1,2-Dichloroethane-d4  
Concen: 54.630 ug/l  
RT: 8.067 min Scan# 1041  
Delta R.T. -0.000 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

Tgt Ion: 65 Resp: 170529  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

Instrument :

MSVOA\_Y

ClientSampleId :

TP-42

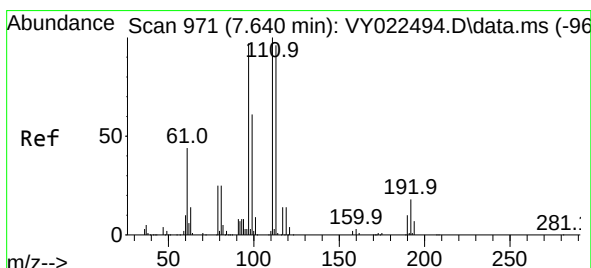
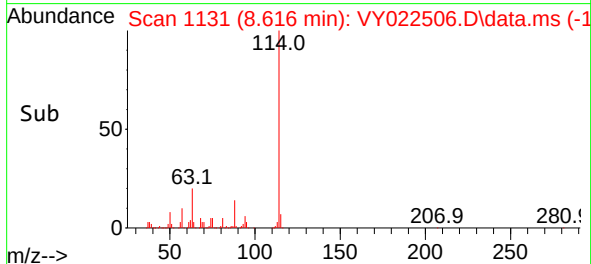
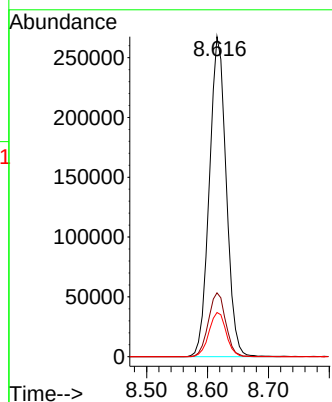
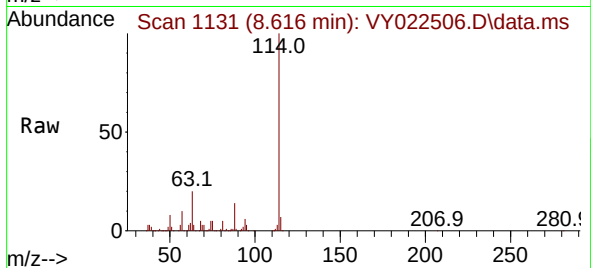
Tgt Ion:114 Resp: 514728

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 13.8 0.0 27.8



#35

Dibromofluoromethane

Concen: 51.827 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022506.D

Acq: 02 Jun 2025 18:44

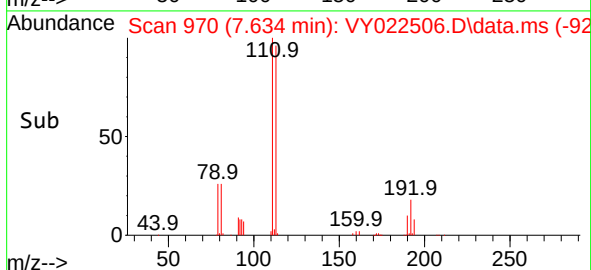
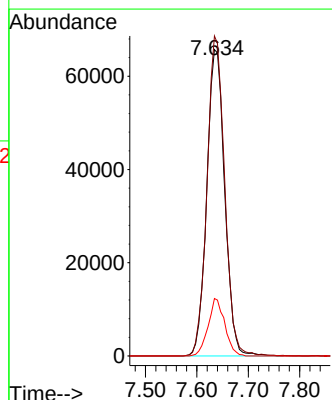
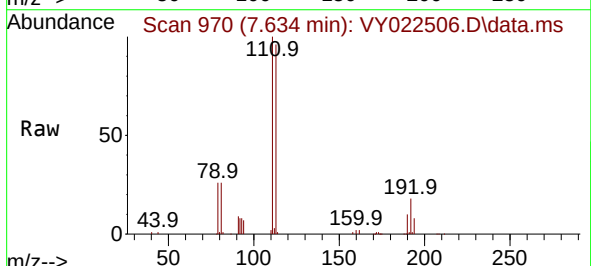
Tgt Ion:113 Resp: 159229

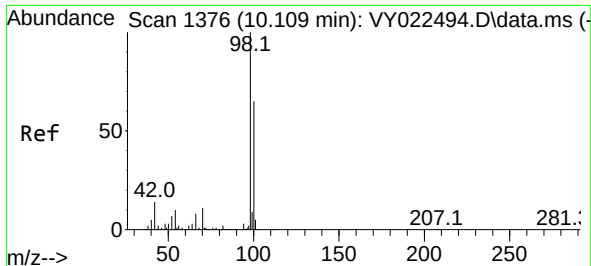
Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 17.4 14.2 21.2

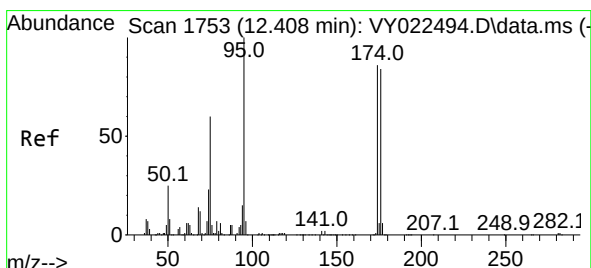
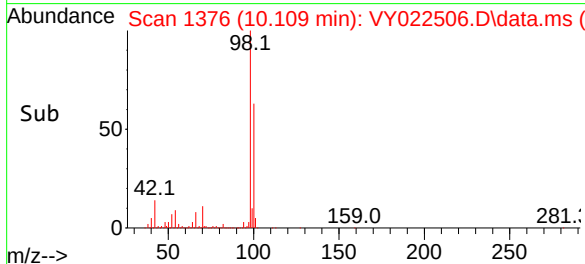
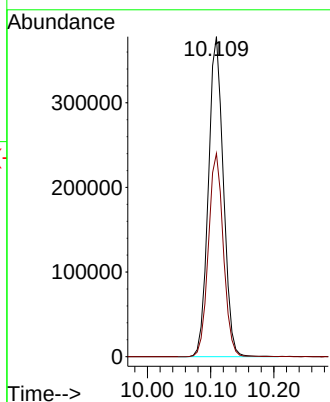
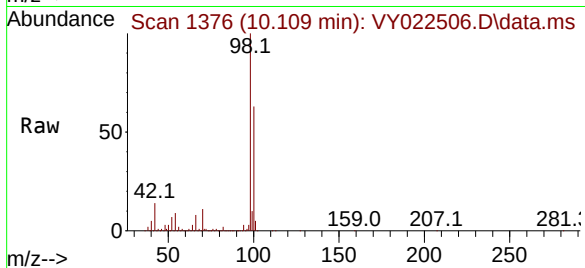




#50  
Toluene-d8  
Concen: 50.062 ug/l  
RT: 10.109 min Scan# 1376  
Delta R.T. -0.000 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

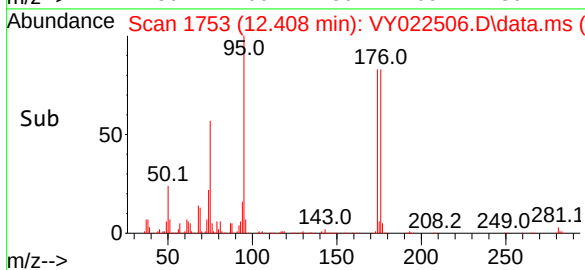
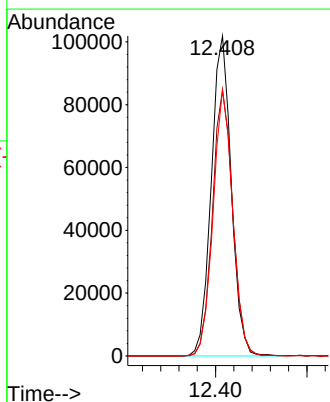
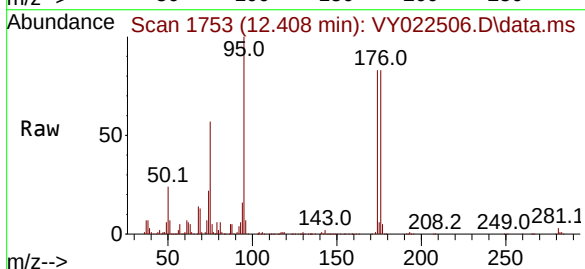
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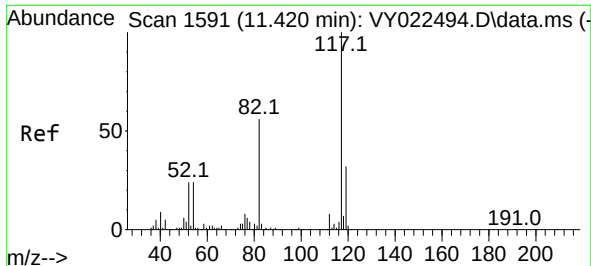
Tgt Ion: 98 Resp: 621468  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 41.689 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.000 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

Tgt Ion: 95 Resp: 154197  
Ion Ratio Lower Upper  
95 100  
174 84.3 0.0 170.0  
176 82.0 0.0 166.2

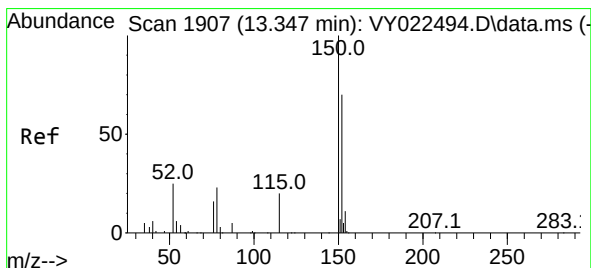
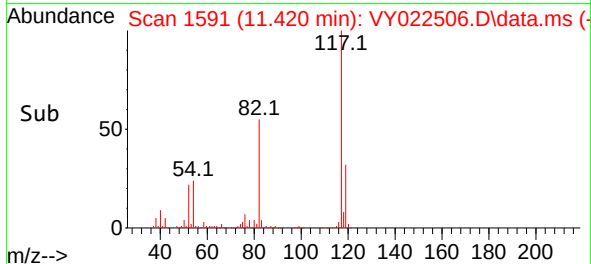
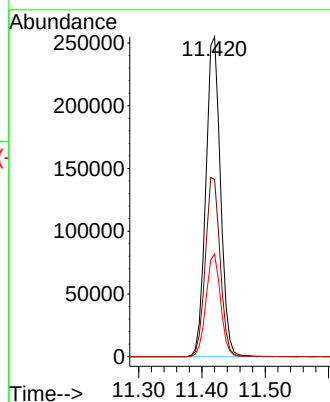
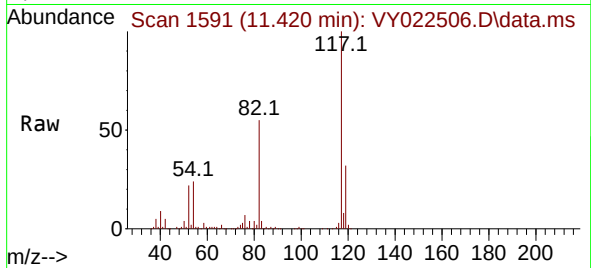




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.420 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

Instrument :  
MSVOA\_Y  
ClientSampleId :  
TP-42

Tgt Ion:117 Resp: 411552  
Ion Ratio Lower Upper  
117 100  
82 55.4 44.6 66.8  
119 32.1 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. -0.000 min  
Lab File: VY022506.D  
Acq: 02 Jun 2025 18:44

Tgt Ion:152 Resp: 142944  
Ion Ratio Lower Upper  
152 100  
115 57.5 28.9 86.7  
150 155.9 0.0 349.6

