

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022387.D
 Acq On : 22 May 2025 11:48
 Operator : SY/MD
 Sample : Q2102-01
 Misc : 4.31g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0077

Quant Time: May 23 03:35:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

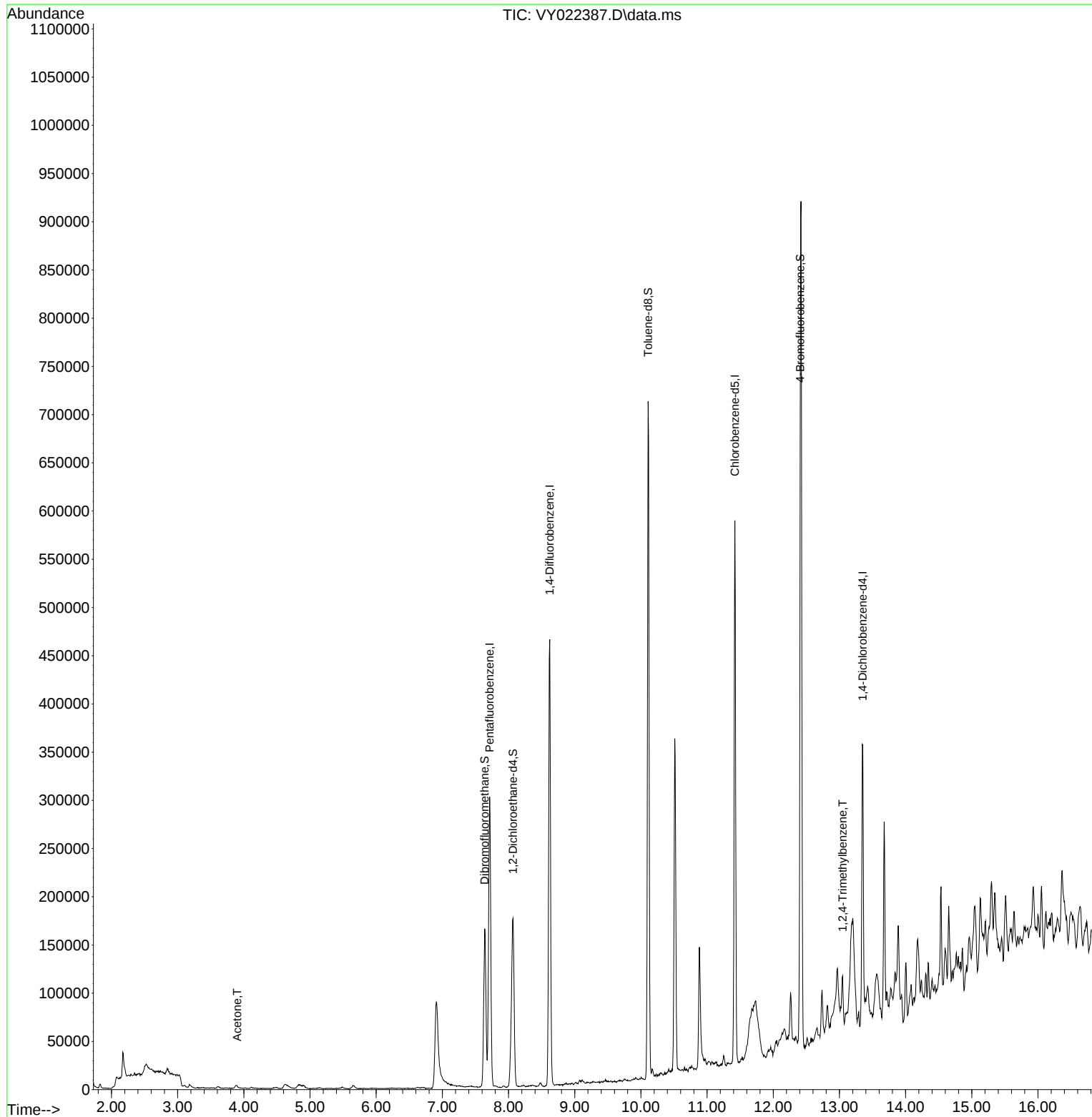
Internal Standards						
1) Pentafluorobenzene	7.713	168	228643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	387512	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	274774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	69919	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	113825	45.551	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.100%		
35) Dibromofluoromethane	7.640	113	110971	47.979	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.960%		
50) Toluene-d8	10.109	98	442550	46.719	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	93.440%		
62) 4-Bromofluorobenzene	12.408	95	100855	33.590	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	67.180%		
Target Compounds						
16) Acetone	3.897	43	5611	11.975	ug/l	96
84) 1,2,4-Trimethylbenzene	13.048	105	22267	4.797	ug/l	97

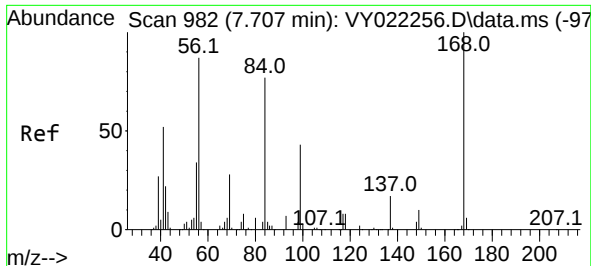
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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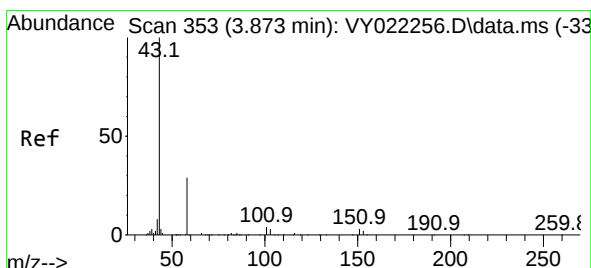
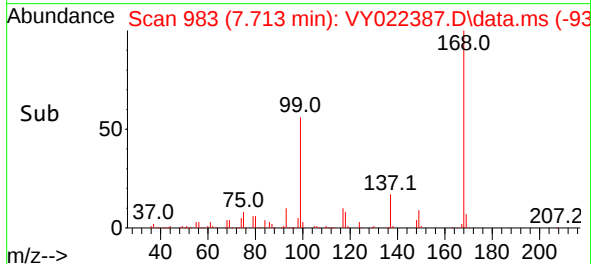
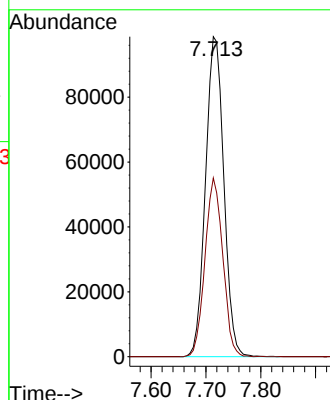
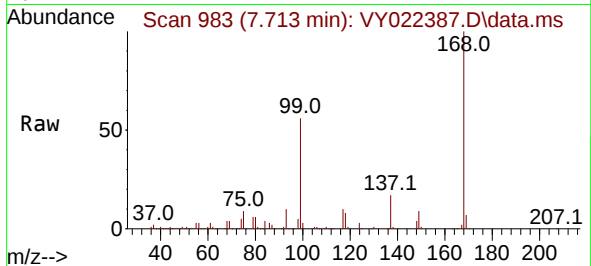




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

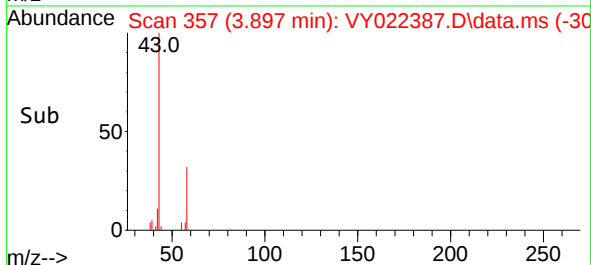
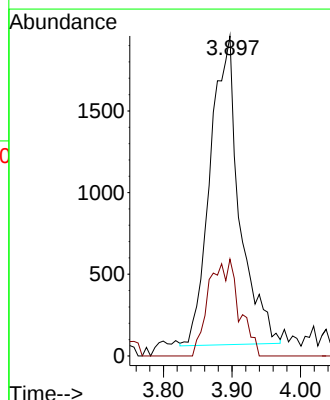
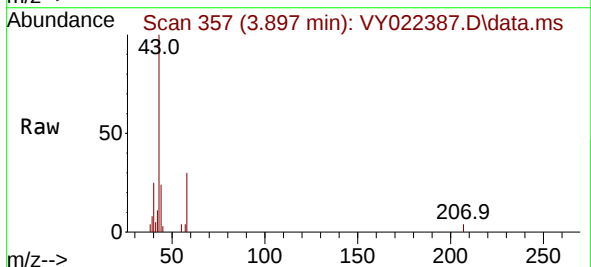
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

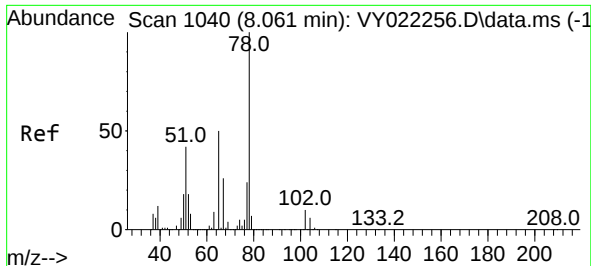
Tgt Ion:168 Resp: 228643
Ion Ratio Lower Upper
168 100
99 55.9 44.2 66.4



#16
Acetone
Concen: 11.975 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.025 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

Tgt Ion: 43 Resp: 5611
Ion Ratio Lower Upper
43 100
58 31.5 23.6 35.4

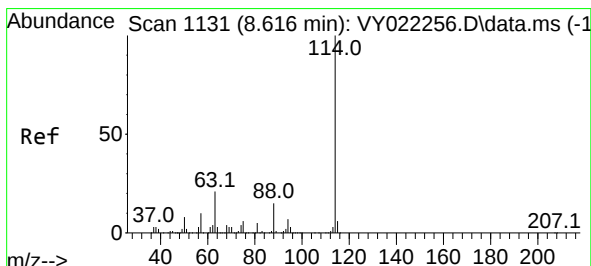
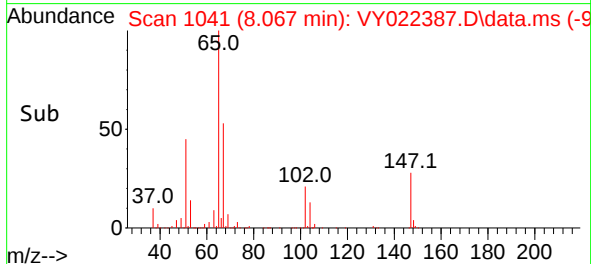
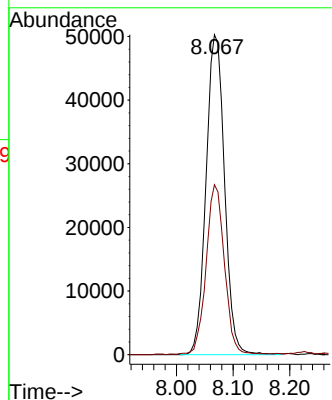
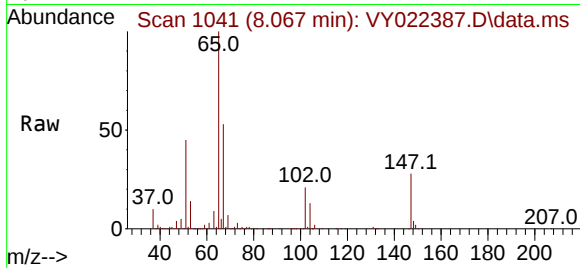




#33
 1,2-Dichloroethane-d4
 Concen: 45.551 ug/l
 RT: 8.067 min Scan# 110
 Delta R.T. 0.006 min
 Lab File: VY022387.D
 Acq: 22 May 2025 11:48

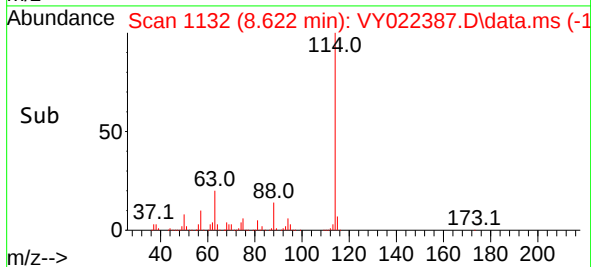
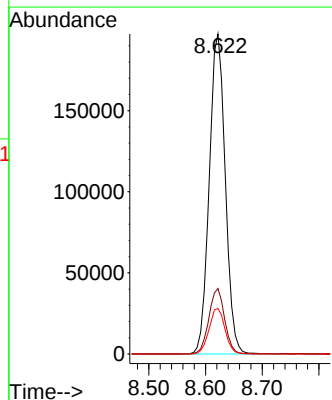
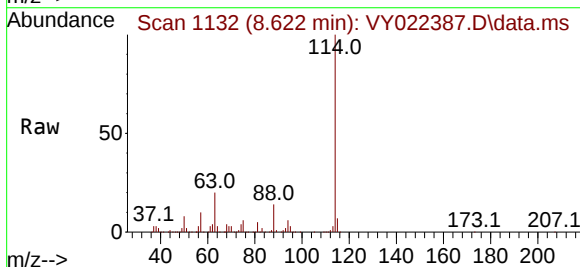
Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0077

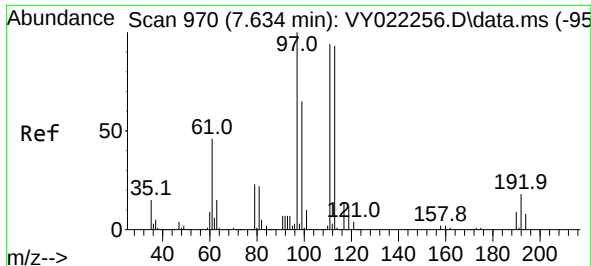
Tgt Ion: 65 Resp: 113825
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.622 min Scan# 1132
 Delta R.T. 0.006 min
 Lab File: VY022387.D
 Acq: 22 May 2025 11:48

Tgt Ion: 114 Resp: 387512
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.0
 88 14.2 0.0 29.4

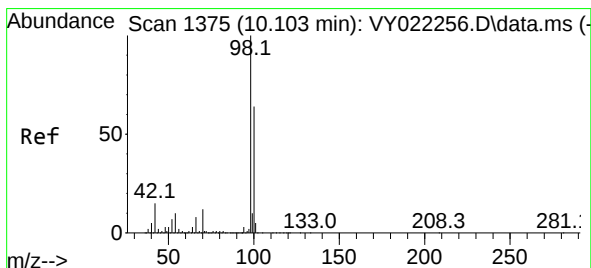
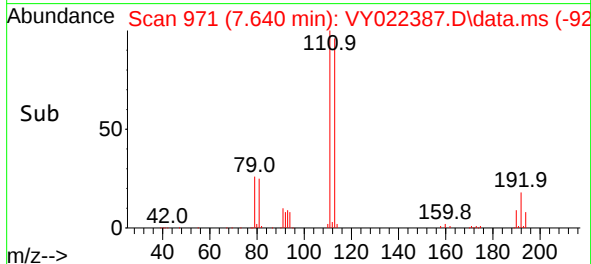
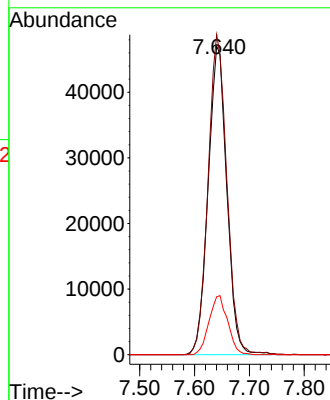
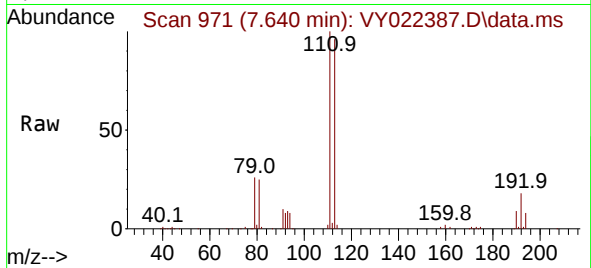




#35
Dibromofluoromethane
Concen: 47.979 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

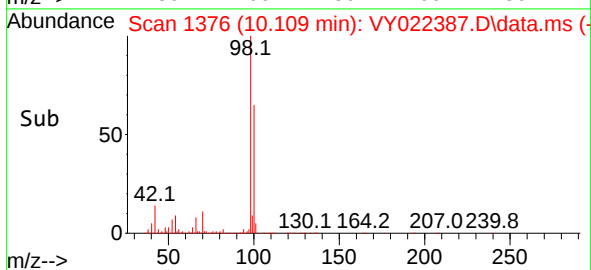
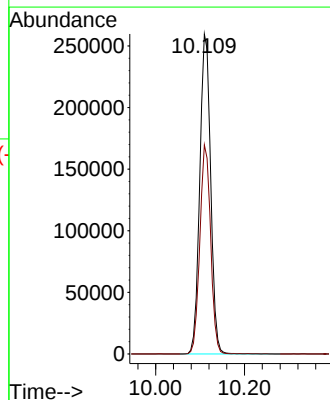
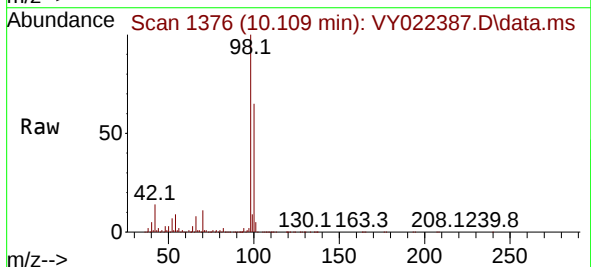
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

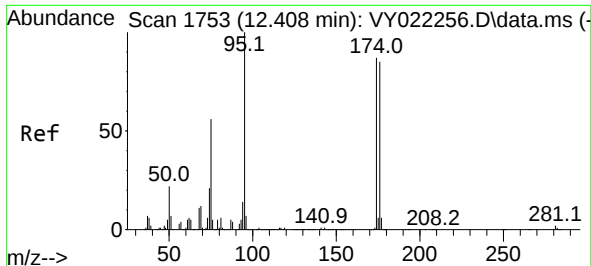
Tgt Ion:113 Resp: 110971
Ion Ratio Lower Upper
113 100
111 104.5 82.6 123.8
192 19.1 15.2 22.8



#50
Toluene-d8
Concen: 46.719 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

Tgt Ion: 98 Resp: 442550
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.8

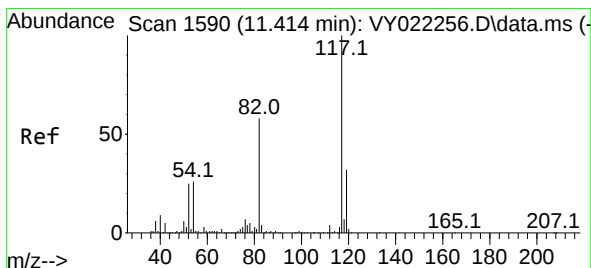
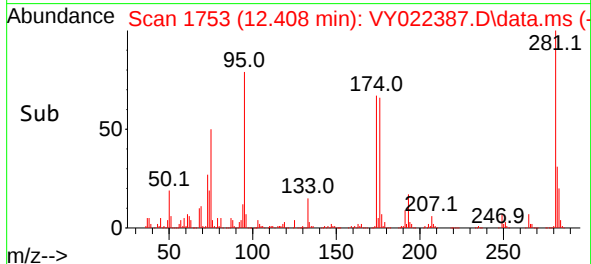
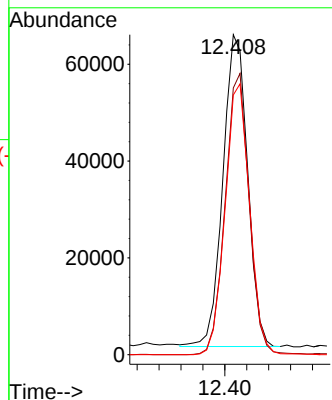
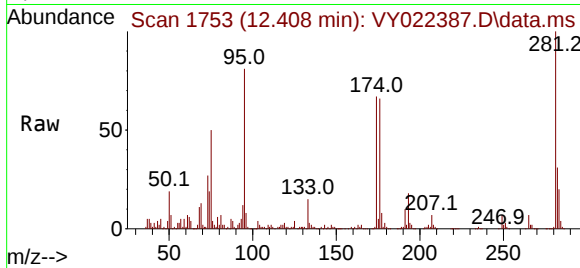




#62
4-Bromofluorobenzene
Concen: 33.590 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

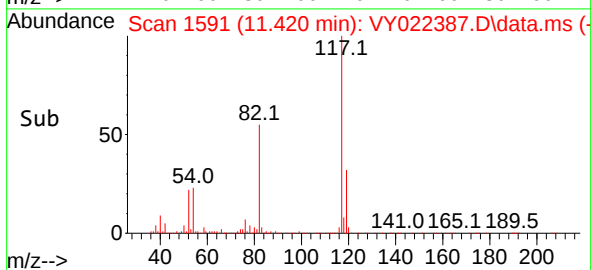
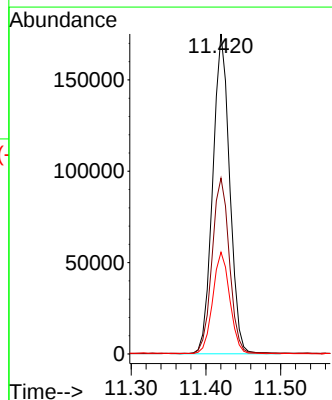
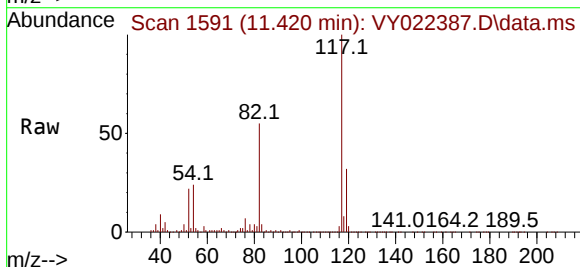
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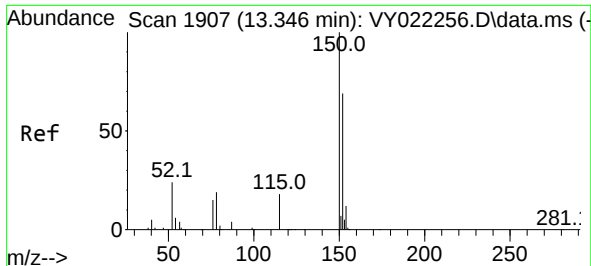
Tgt Ion: 95 Resp: 100855
Ion Ratio Lower Upper
95 100
174 87.5 0.0 166.8
176 86.1 0.0 160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

Tgt Ion: 117 Resp: 274774
Ion Ratio Lower Upper
117 100
82 54.8 46.6 70.0
119 31.7 25.8 38.6

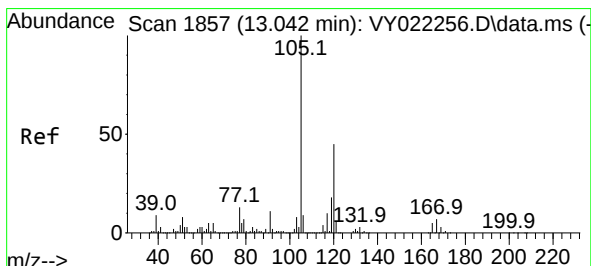
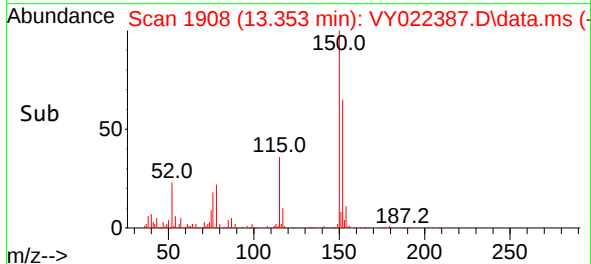
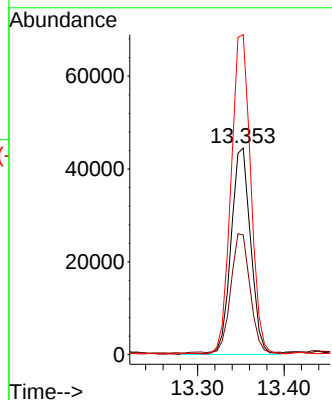
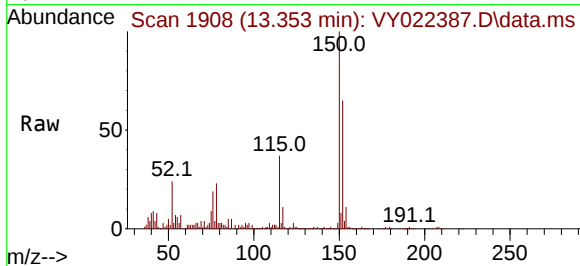




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

Tgt Ion:152 Resp: 69919
Ion Ratio Lower Upper
152 100
115 57.7 29.4 88.2
150 154.7 0.0 353.8



#84
1,2,4-Trimethylbenzene
Concen: 4.797 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY022387.D
Acq: 22 May 2025 11:48

Tgt Ion:105 Resp: 22267
Ion Ratio Lower Upper
105 100
120 46.5 22.3 66.9

