

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
 Data File : VY022377.D
 Acq On : 21 May 2025 19:02
 Operator : SY/MD
 Sample : Q2102-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0077

Quant Time: May 22 00:15:42 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)

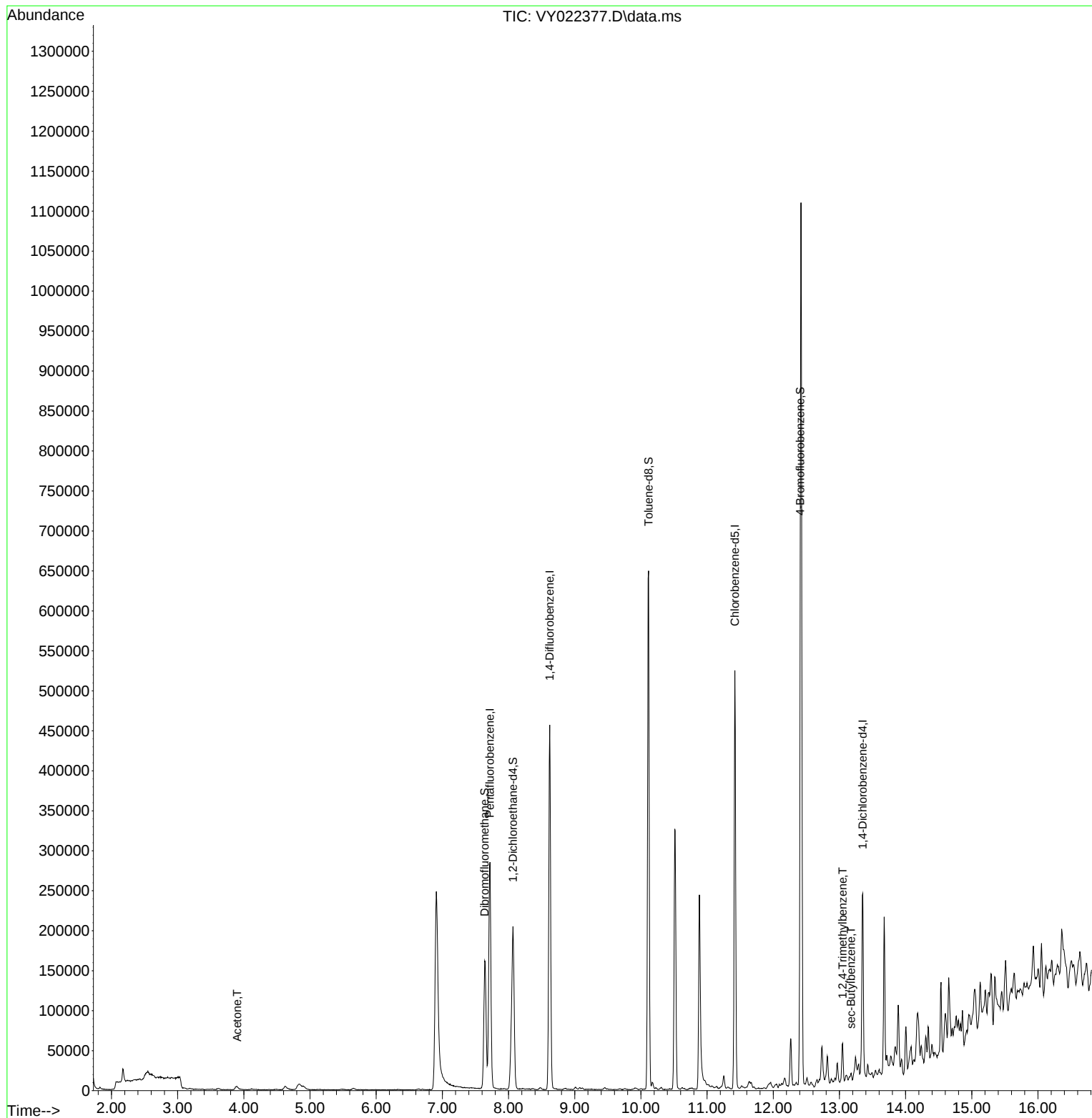
Internal Standards						
1) Pentafluorobenzene	7.719	168	217359	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	377540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	252642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	54768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	118353	49.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.640%
35) Dibromofluoromethane	7.640	113	112328	49.849	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.700%
50) Toluene-d8	10.115	98	411005	44.535	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.060%
62) 4-Bromofluorobenzene	12.408	95	88092	30.115	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	60.220%
Target Compounds						
					Qvalue	
16) Acetone	3.897	43	8738	19.617	ug/l	93
84) 1,2,4-Trimethylbenzene	13.048	105	24871	6.841	ug/l	96
85) sec-Butylbenzene	13.176	105	5440	1.126	ug/l	89

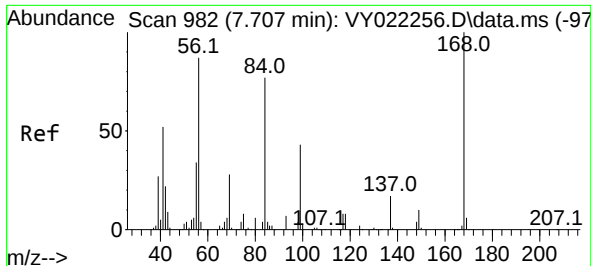
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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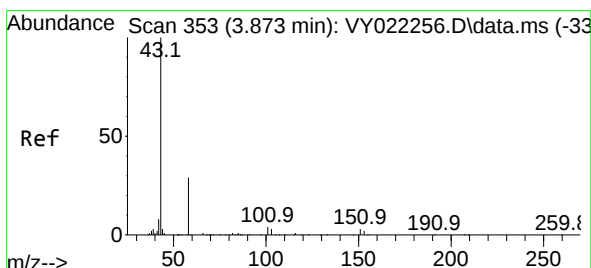
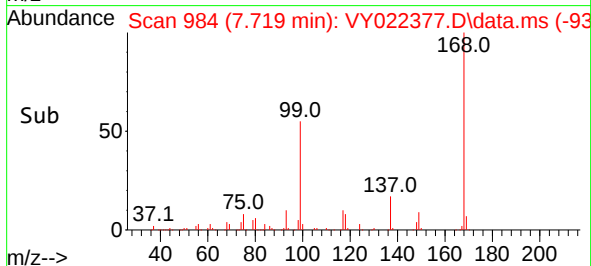
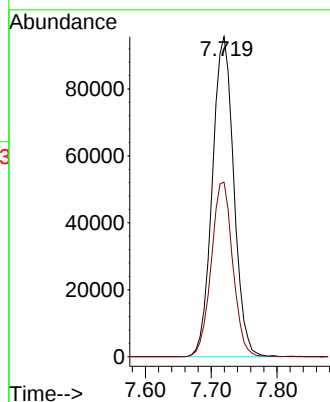
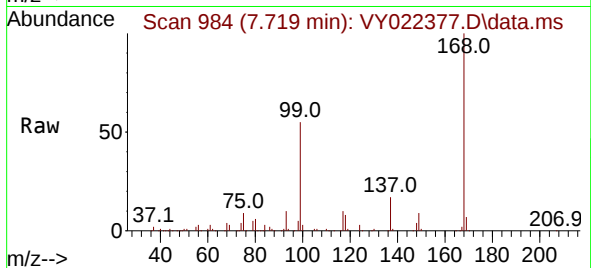




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

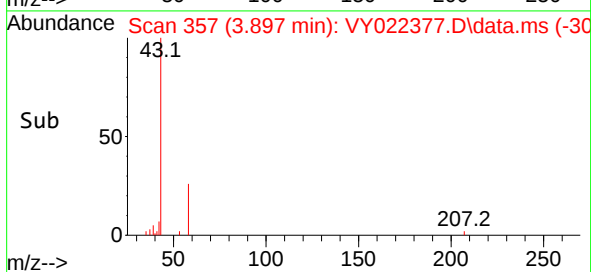
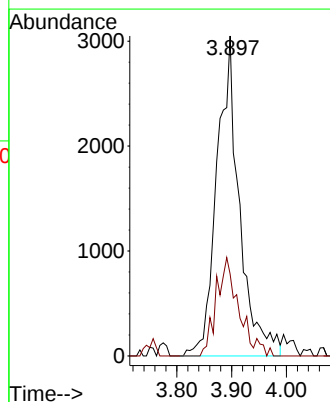
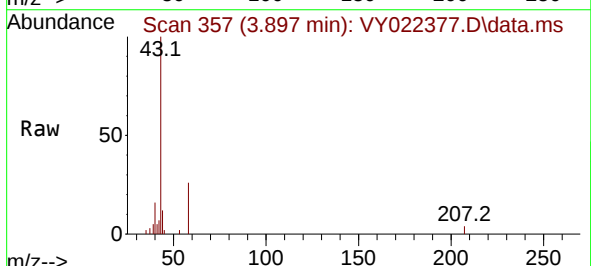
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

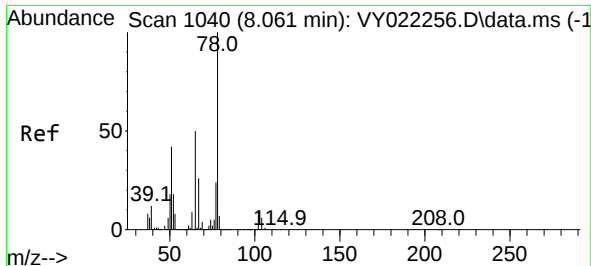
Tgt Ion:168 Resp: 217359
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#16
Acetone
Concen: 19.617 ug/l
RT: 3.897 min Scan# 357
Delta R.T. 0.024 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

Tgt Ion: 43 Resp: 8738
Ion Ratio Lower Upper
43 100
58 25.6 23.6 35.4





#33

1,2-Dichloroethane-d4

Concen: 49.822 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY022377.D

Acq: 21 May 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

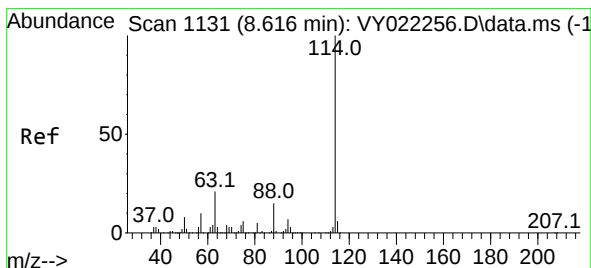
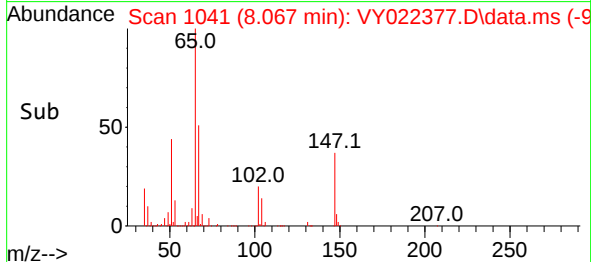
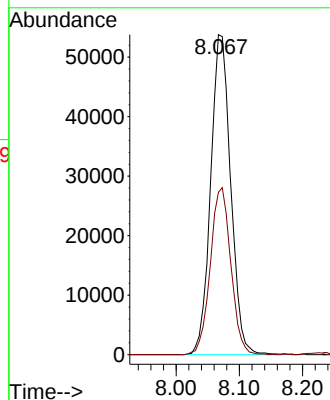
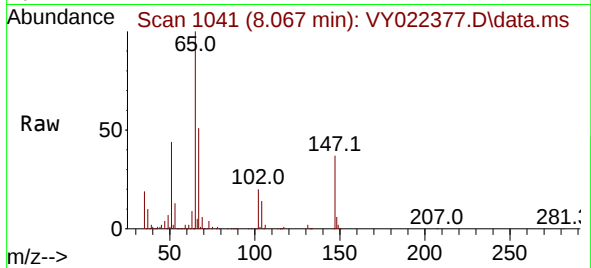
LAW-25-0077

Tgt Ion: 65 Resp: 118353

Ion Ratio Lower Upper

65 100

67 53.5 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: VY022377.D

Acq: 21 May 2025 19:02

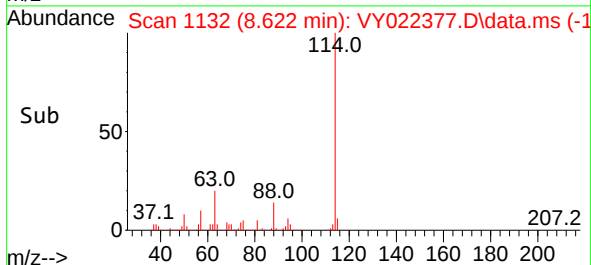
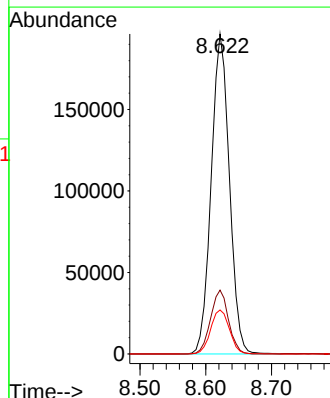
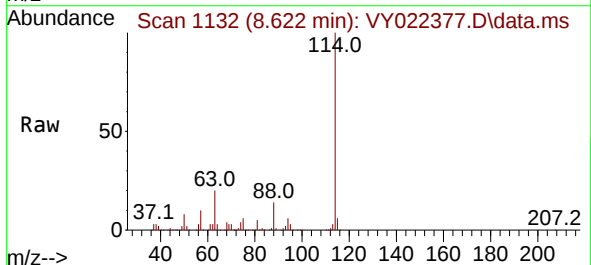
Tgt Ion: 114 Resp: 377540

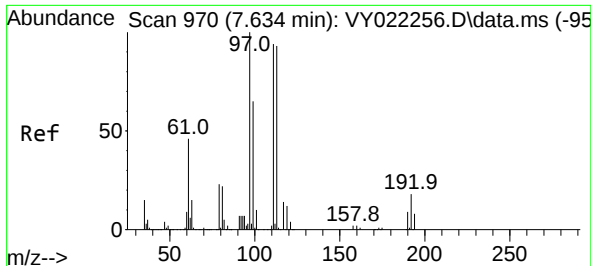
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.0

88 13.8 0.0 29.4

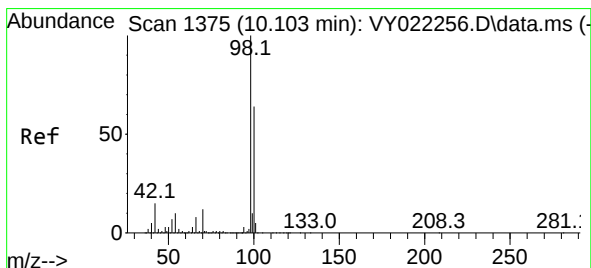
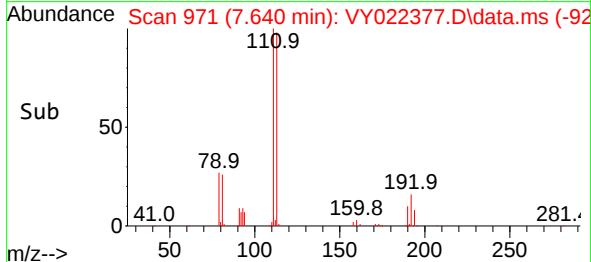
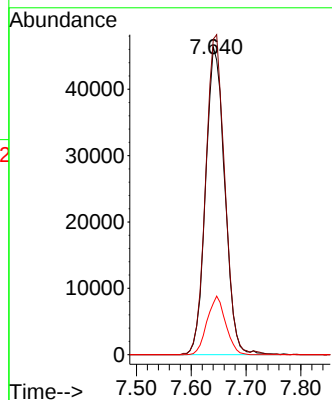
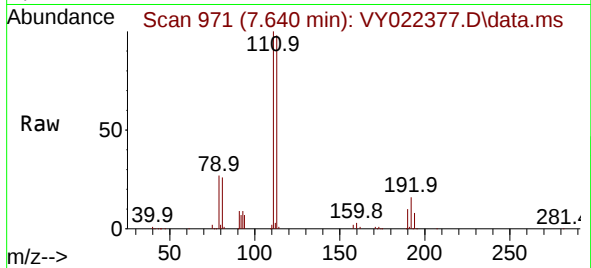




#35
Dibromofluoromethane
Concen: 49.849 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

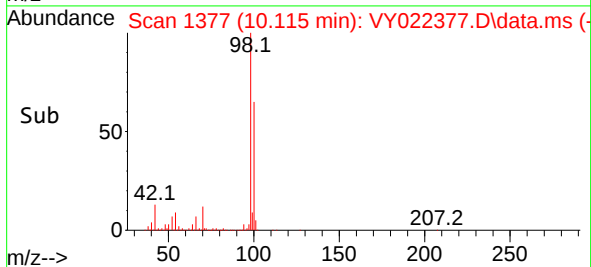
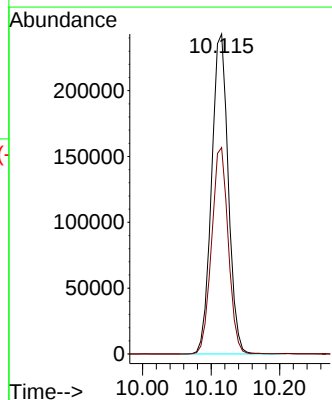
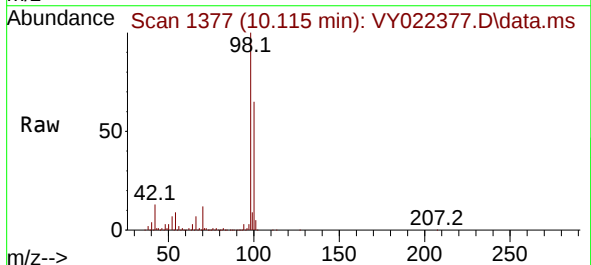
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

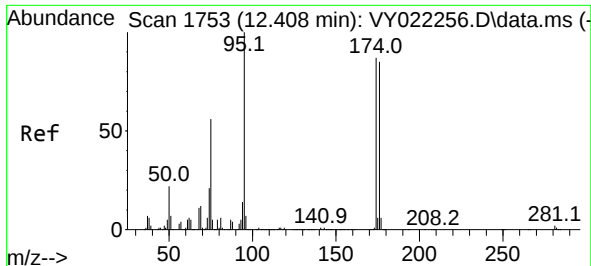
Tgt Ion:113 Resp: 112328
Ion Ratio Lower Upper
113 100
111 103.1 82.6 123.8
192 18.4 15.2 22.8



#50
Toluene-d8
Concen: 44.535 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

Tgt Ion: 98 Resp: 411005
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8

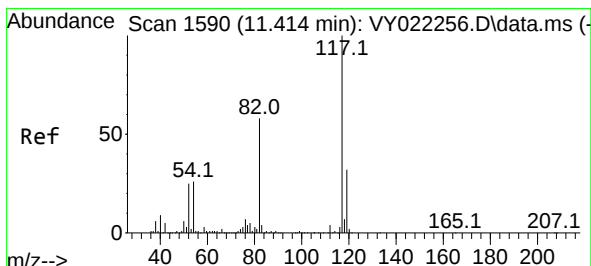
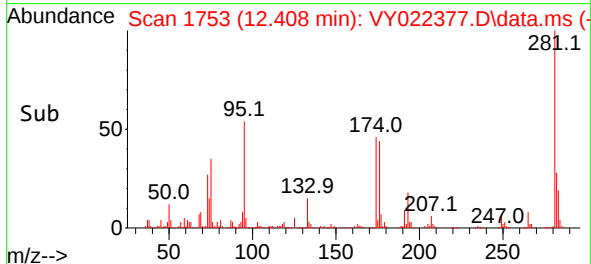
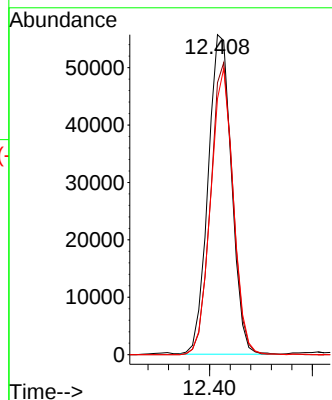
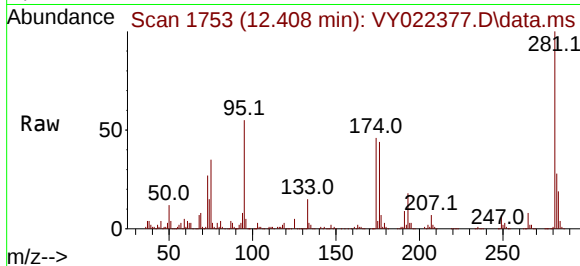




#62
4-Bromofluorobenzene
Concen: 30.115 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

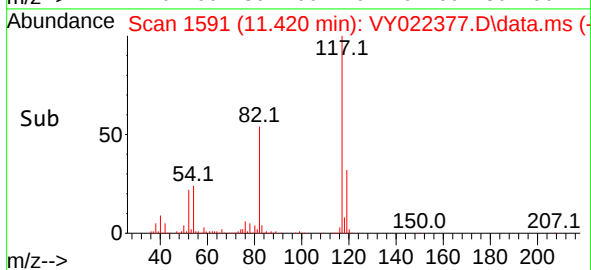
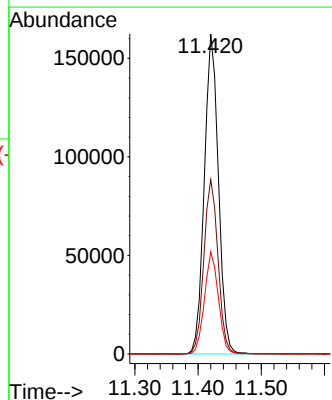
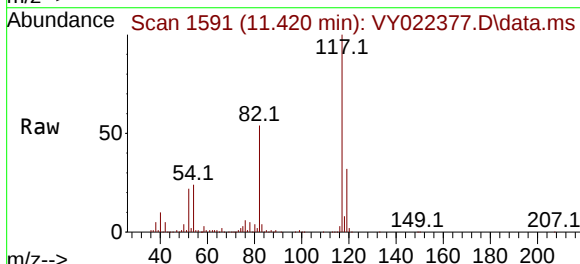
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

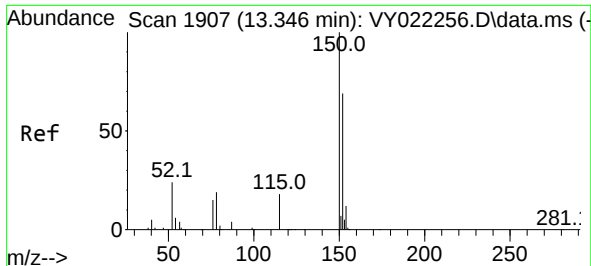
Tgt Ion:	95	Resp:	88092
Ion Ratio	Lower	Upper	
95	100		
174	87.4	0.0	166.8
176	86.2	0.0	160.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

Tgt Ion:	117	Resp:	252642
Ion Ratio	Lower	Upper	
117	100		
82	54.5	46.6	70.0
119	31.9	25.8	38.6

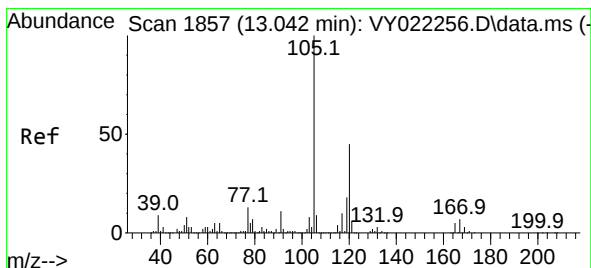
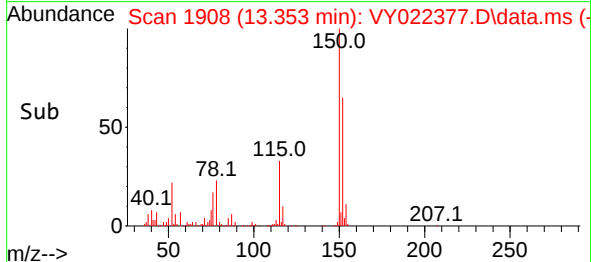
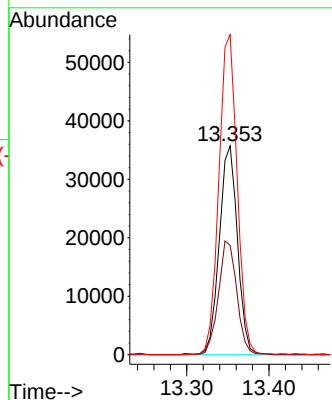
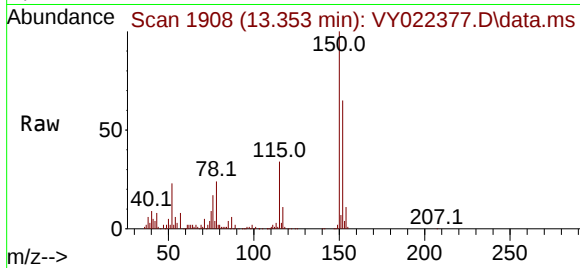




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.353 min Scan# 1907
 Delta R.T. 0.006 min
 Lab File: VY022377.D
 Acq: 21 May 2025 19:02

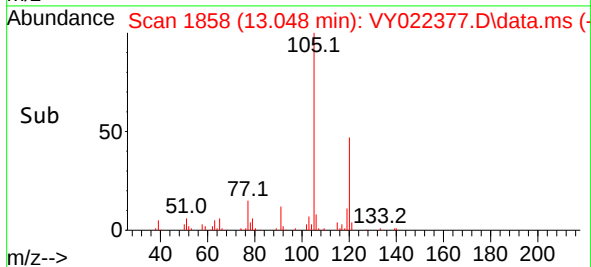
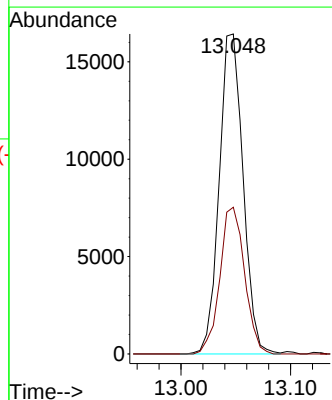
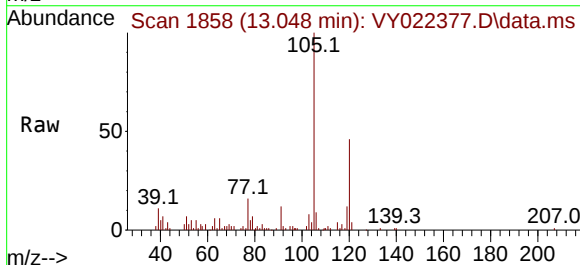
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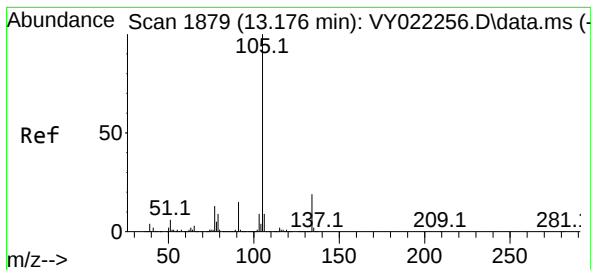
Tgt Ion:152 Resp: 54768
 Ion Ratio Lower Upper
 152 100
 115 55.2 29.4 88.2
 150 154.4 0.0 353.8



#84
 1,2,4-Trimethylbenzene
 Concen: 6.841 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. 0.006 min
 Lab File: VY022377.D
 Acq: 21 May 2025 19:02

Tgt Ion:105 Resp: 24871
 Ion Ratio Lower Upper
 105 100
 120 47.5 22.3 66.9





#85

sec-Butylbenzene

Concen: 1.126 ug/l

RT: 13.176 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022377.D

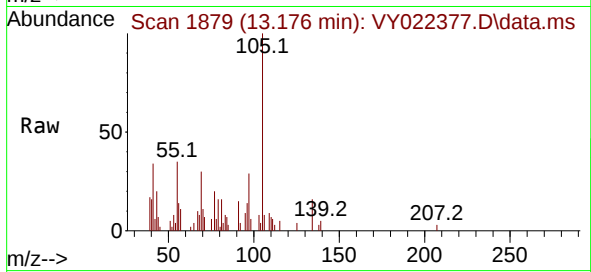
Acq: 21 May 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0077



Tgt Ion:105 Resp: 5440

Ion Ratio Lower Upper

105 100

134 24.7 9.8 29.5

