

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)

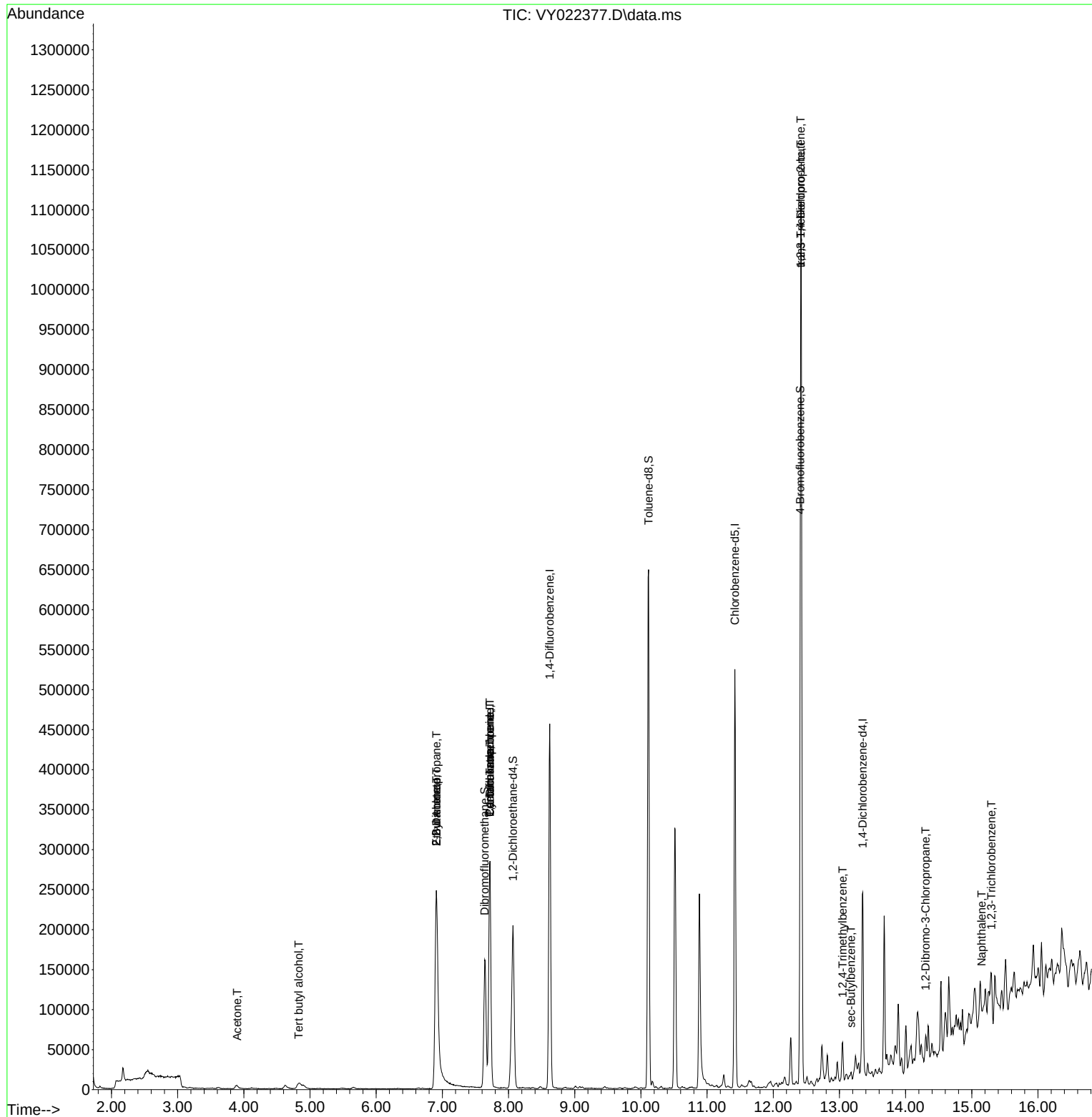
Internal Standards						
1) Pentafluorobenzene	7.719	168	217359	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	377540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	252642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	54768	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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
11) Tert butyl alcohol	4.830	59	5995	33.048	ug/l #	100
16) Acetone	3.897	43	8738	19.617	ug/l	93
25) 2-Butanone	6.909	43	15985	21.454	ug/l #	72
26) 2,2-Dichloropropane	6.909	77	21280	4.974	ug/l #	53
31) Cyclohexane	7.719	56	6192	1.288	ug/l #	36
36) 1,1-Dichloropropene	7.719	75	18492	4.982	ug/l #	52
37) Ethyl Acetate	6.909	43	15985	8.951	ug/l #	1
38) Carbon Tetrachloride	7.719	117	22086	5.749	ug/l #	17
76) 1,2,3-Trichloropropane	12.414	75	59653	107.511	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	59653	217.789	ug/l #	14
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
92) 1,2-Dibromo-3-Chloropr...	14.304	75	147	1.306	ug/l #	1
95) Naphthalene	15.151	128	8538	4.687	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.297	180	2614	3.210	ug/l #	13

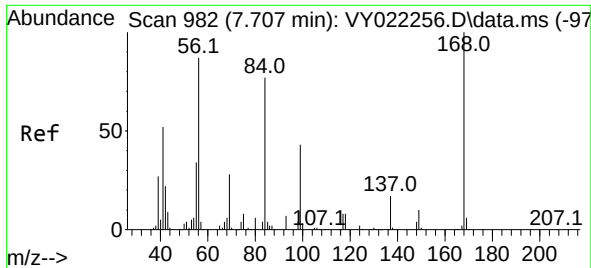
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052125\
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Operator : SY/MD
Sample : Q2102-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
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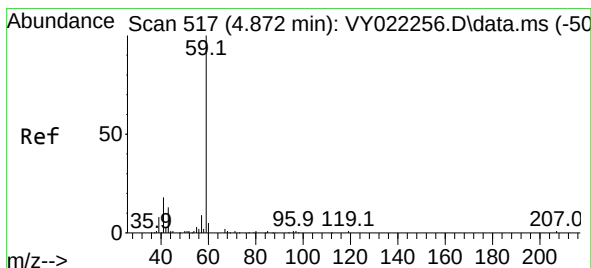
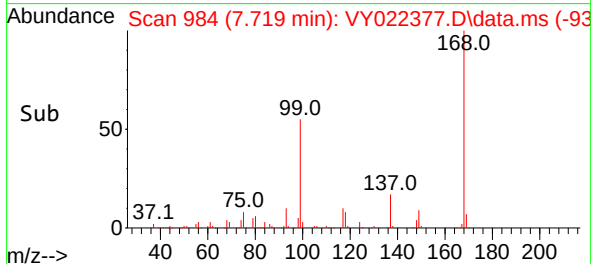
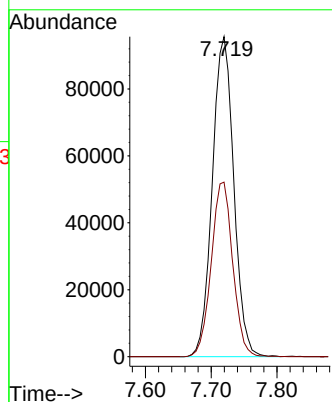
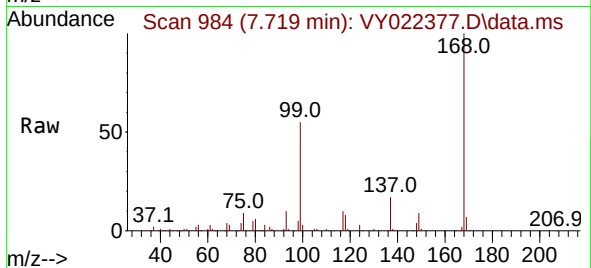




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

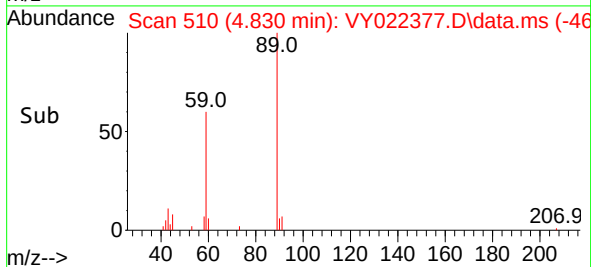
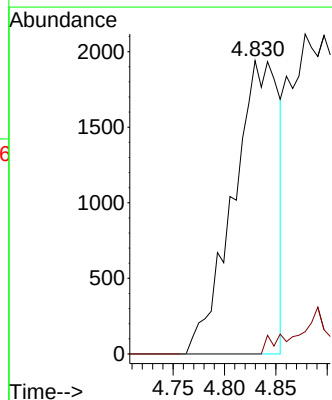
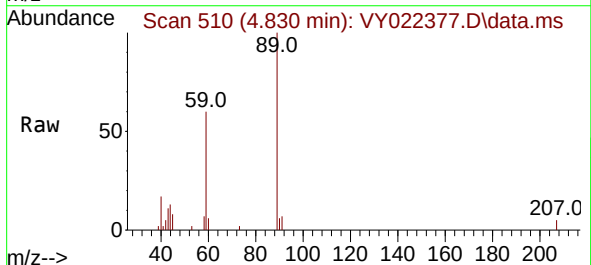
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

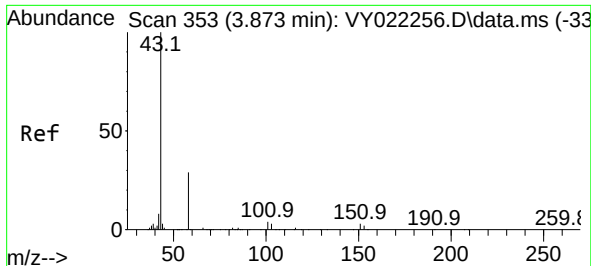
Tgt Ion:168 Resp: 217359
Ion Ratio Lower Upper
168 100
99 54.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 33.048 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.043 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

Tgt Ion: 59 Resp: 5995
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

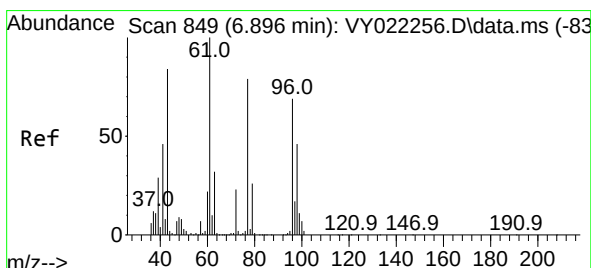
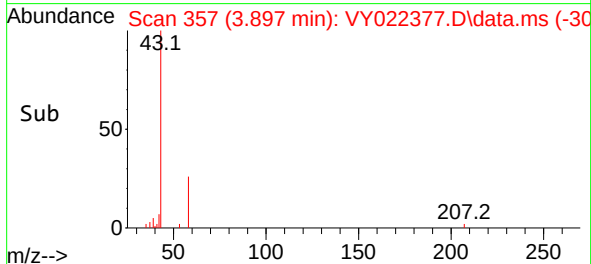
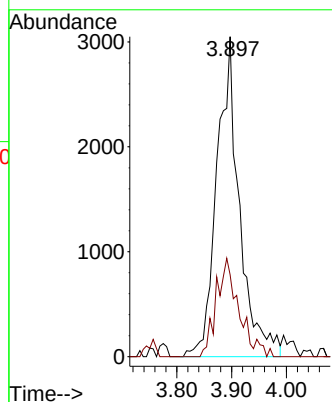
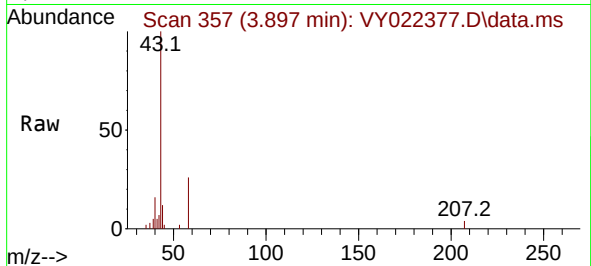




#16
Acetone
Concen: 19.617 ug/l
RT: 3.897 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

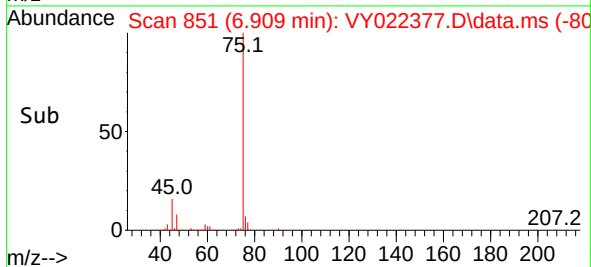
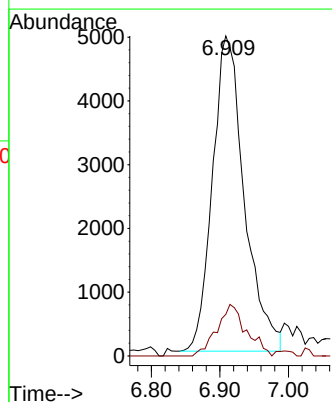
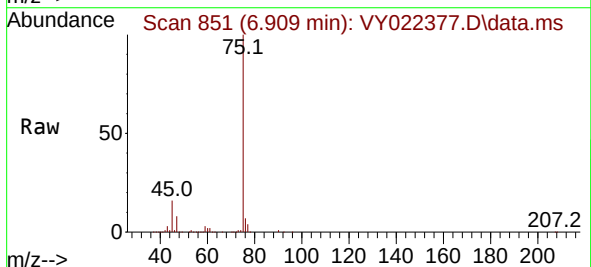
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

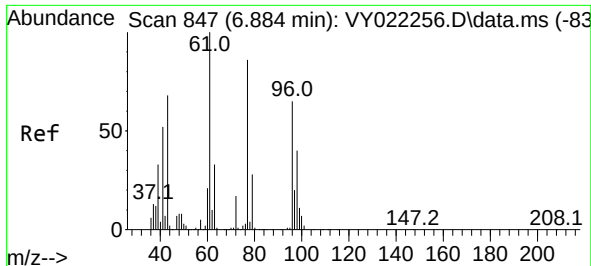
Tgt Ion: 43 Resp: 8738
Ion Ratio Lower Upper
43 100
58 25.6 23.6 35.4



#25
2-Butanone
Concen: 21.454 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.012 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

Tgt Ion: 43 Resp: 15985
Ion Ratio Lower Upper
43 100
72 13.2 22.1 33.1#





#26

2,2-Dichloropropane

Concen: 4.974 ug/l

RT: 6.909 min Scan# 81

Delta R.T. 0.024 min

Lab File: VY022377.D

Acq: 21 May 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

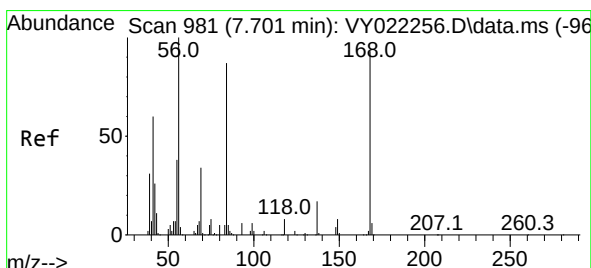
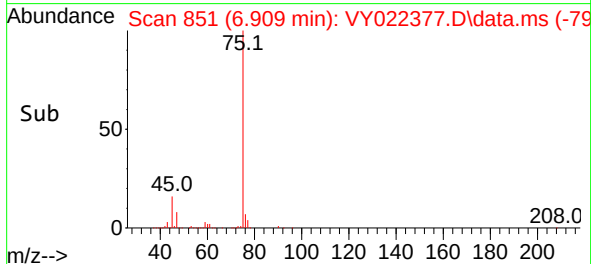
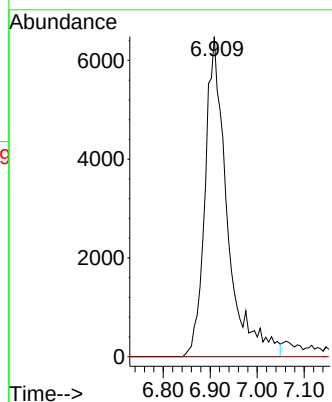
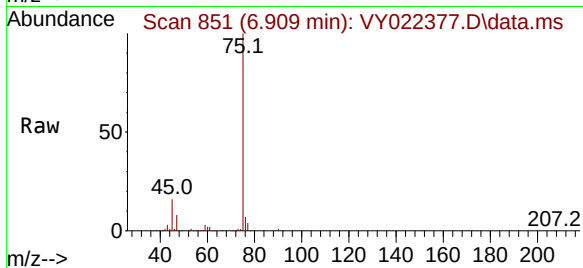
LAW-25-0077

Tgt Ion: 77 Resp: 21280

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#



#31

Cyclohexane

Concen: 1.288 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.018 min

Lab File: VY022377.D

Acq: 21 May 2025 19:02

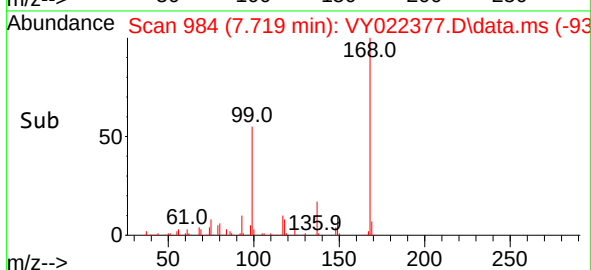
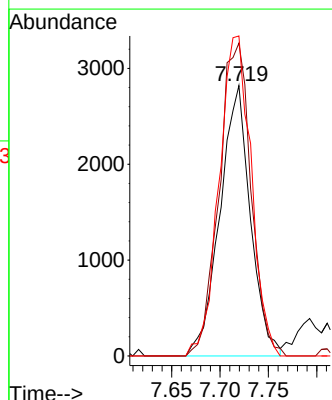
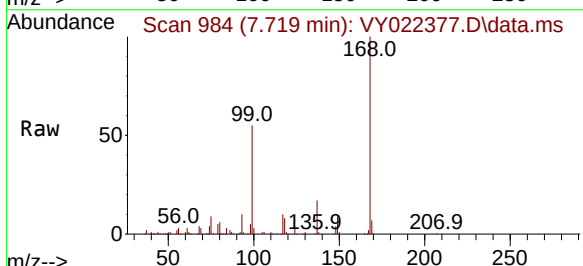
Tgt Ion: 56 Resp: 6192

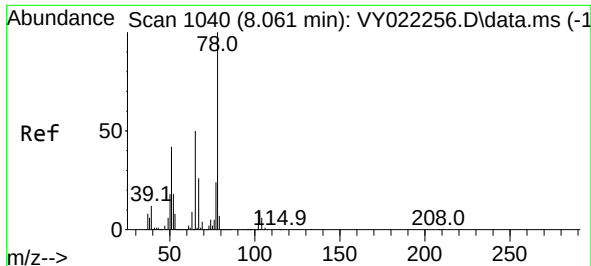
Ion Ratio Lower Upper

56 100

69 115.7 27.4 41.2#

84 118.3 70.0 105.0#





#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 :

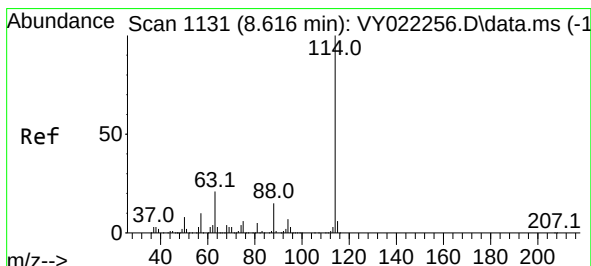
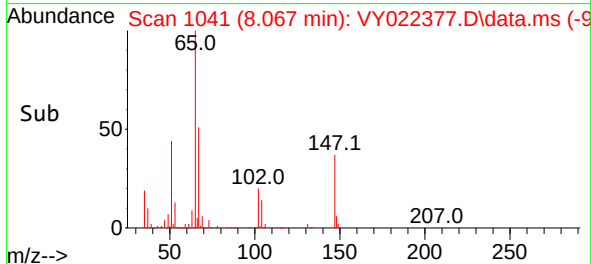
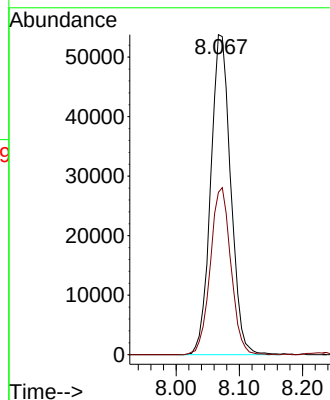
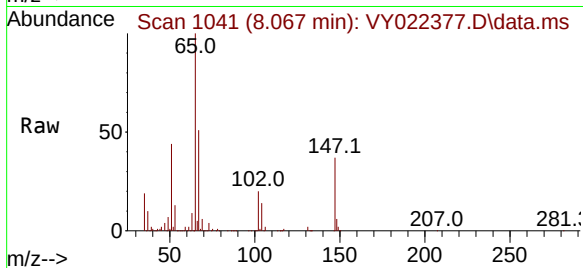
LAW-25-0077

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

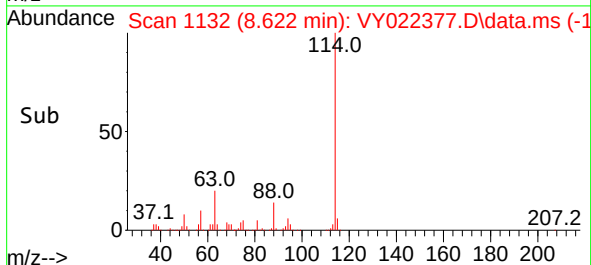
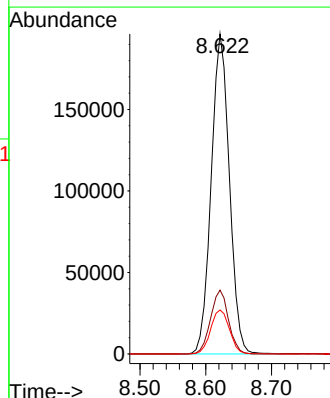
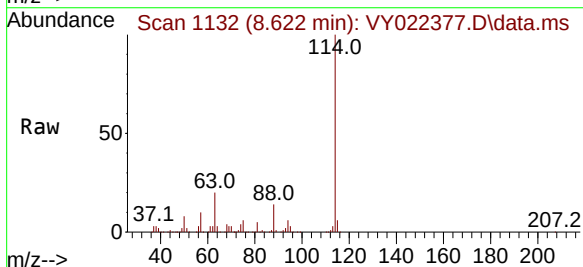
Tgt Ion: 114 Resp: 377540

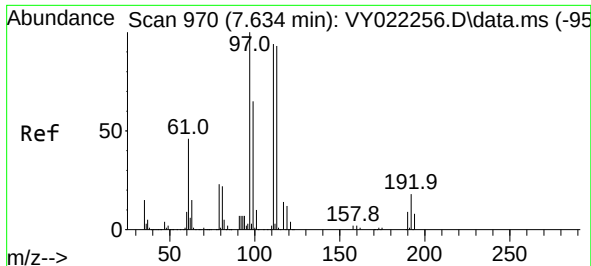
Ion Ratio Lower Upper

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

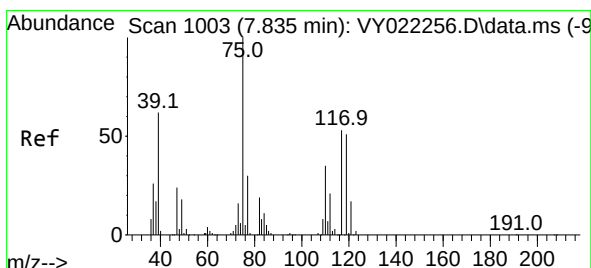
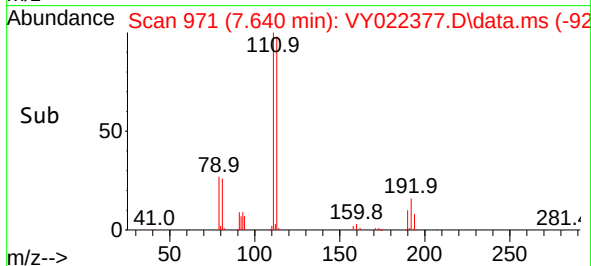
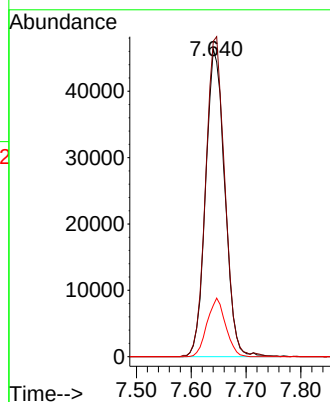
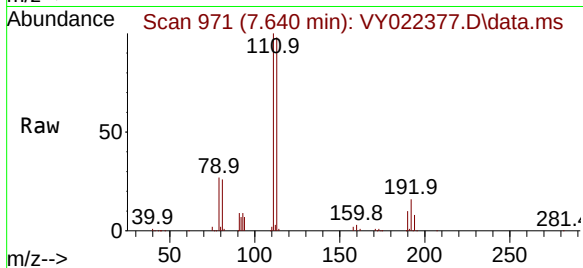
Tgt Ion:113 Resp: 112328

Ion Ratio Lower Upper

113 100

111 103.1 82.6 123.8

192 18.4 15.2 22.8



#36

1,1-Dichloropropene

Concen: 4.982 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.116 min

Lab File: VY022377.D

Acq: 21 May 2025 19:02

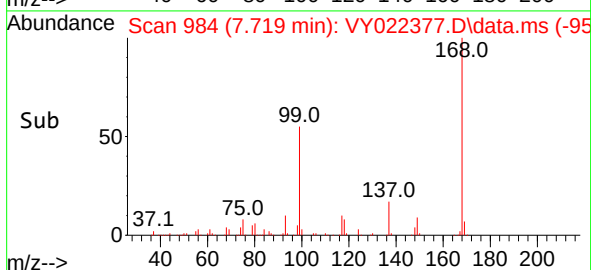
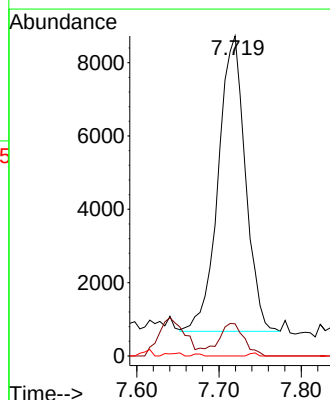
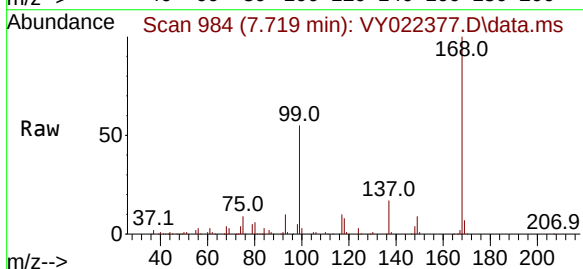
Tgt Ion: 75 Resp: 18492

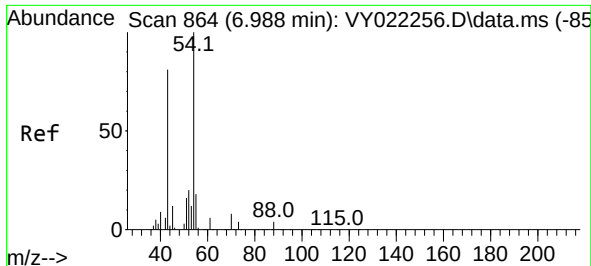
Ion Ratio Lower Upper

75 100

110 10.1 16.6 49.8#

77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 8.951 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.079 min

Lab File: VY022377.D

Acq: 21 May 2025 19:02

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0077

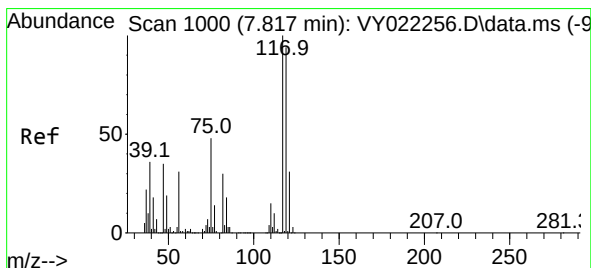
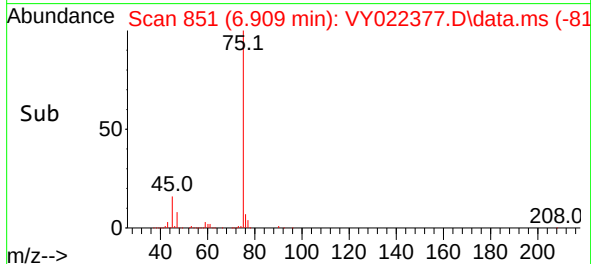
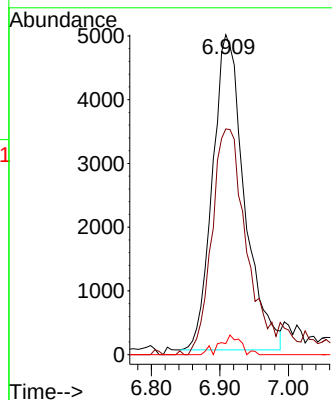
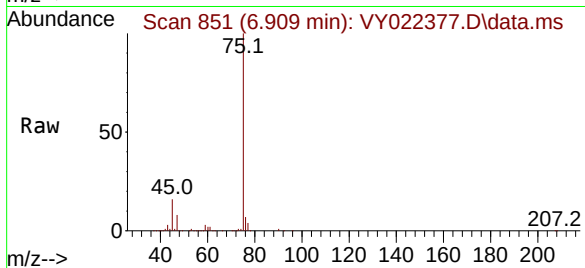
Tgt Ion: 43 Resp: 15985

Ion Ratio Lower Upper

43 100

61 76.7 10.2 15.2#

70 4.1 7.6 11.4#



#38

Carbon Tetrachloride

Concen: 5.749 ug/l

RT: 7.719 min Scan# 984

Delta R.T. -0.098 min

Lab File: VY022377.D

Acq: 21 May 2025 19:02

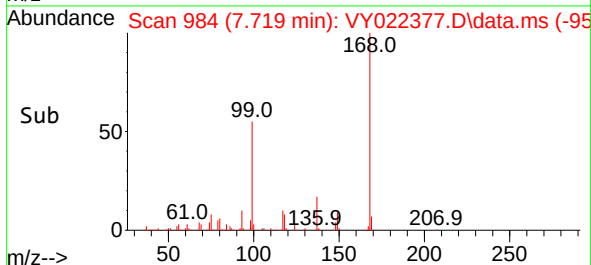
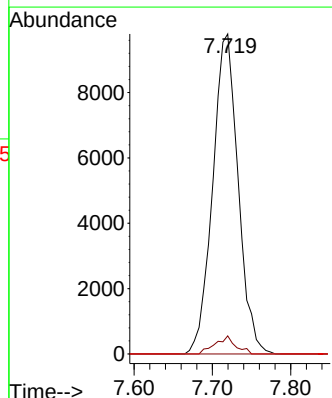
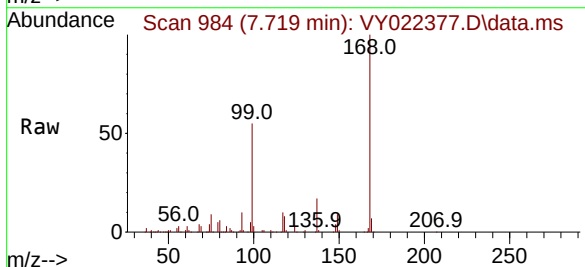
Tgt Ion: 117 Resp: 22086

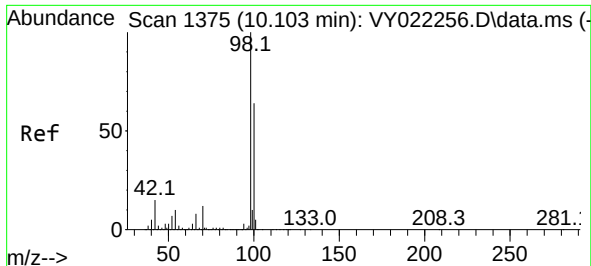
Ion Ratio Lower Upper

117 100

119 5.7 75.3 112.9#

121 0.0 24.7 37.1#

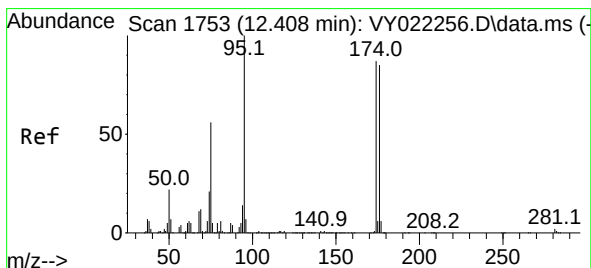
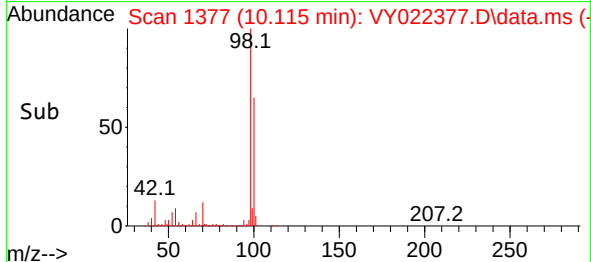
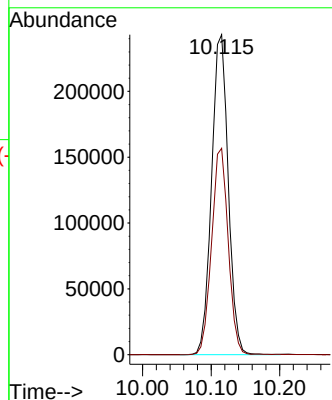
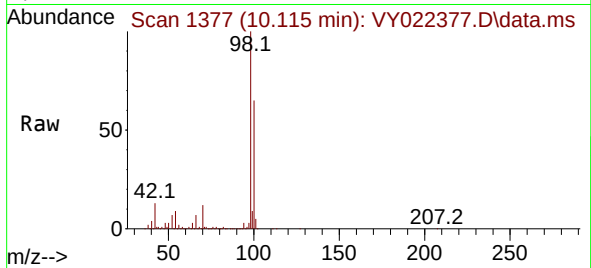




#50
Toluene-d8
Concen: 44.535 ug/l
RT: 10.115 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

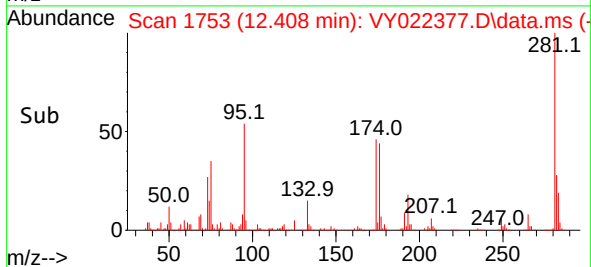
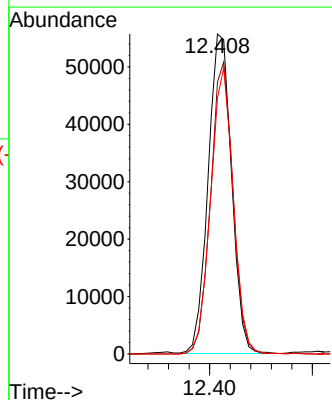
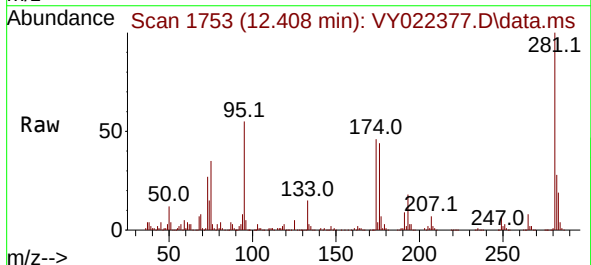
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LAW-25-0077

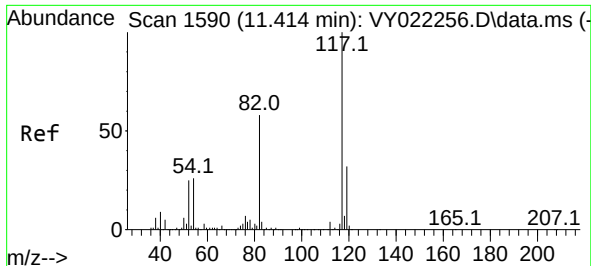
Tgt Ion: 98 Resp: 411005
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#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

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

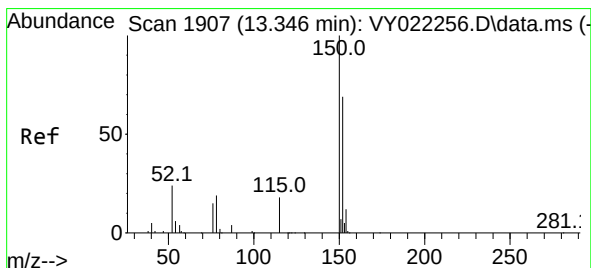
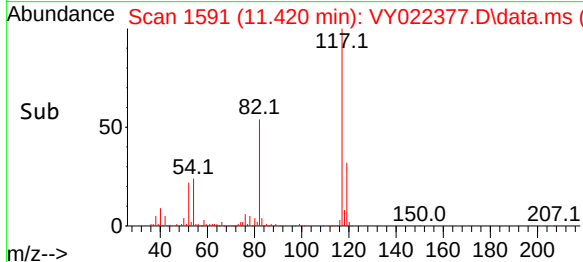
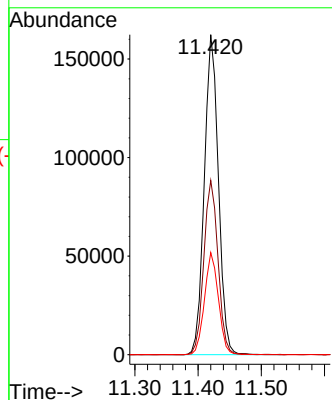
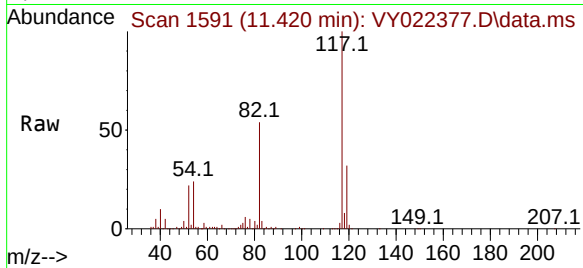




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

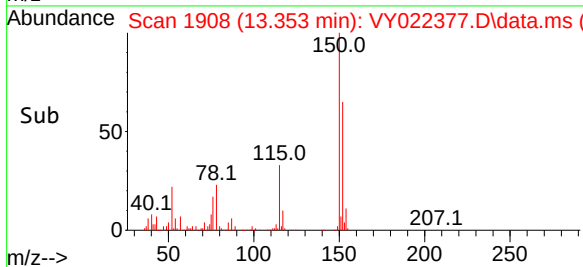
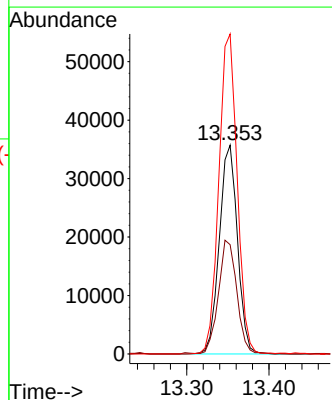
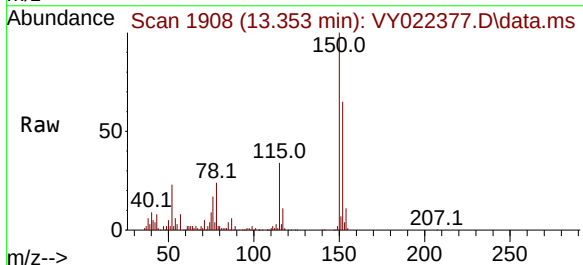
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

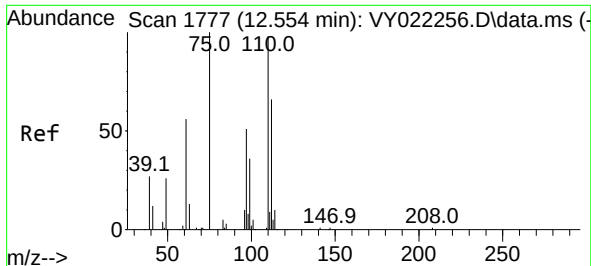
Tgt Ion:117 Resp: 252642
Ion Ratio Lower Upper
117 100
82 54.5 46.6 70.0
119 31.9 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

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

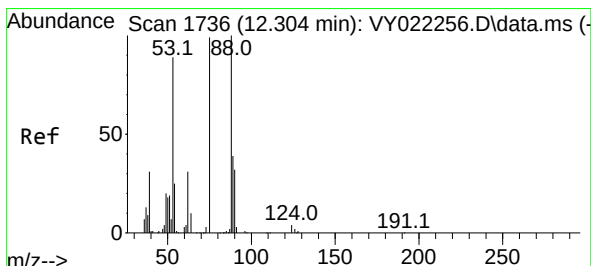
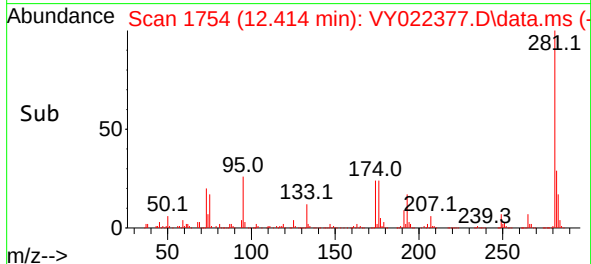
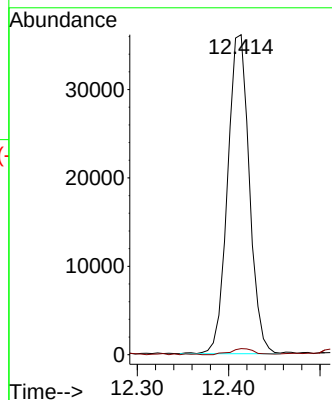
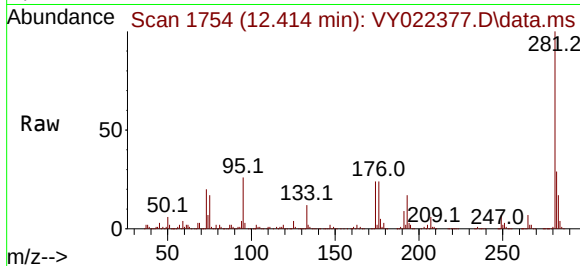




#76
1,2,3-Trichloropropane
Concen: 107.511 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.140 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

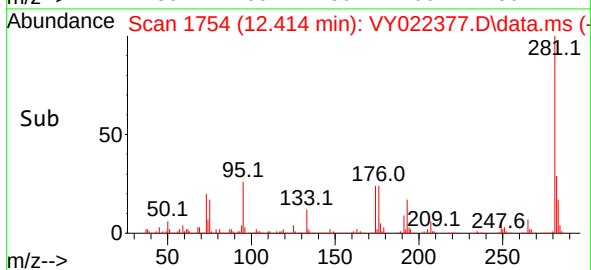
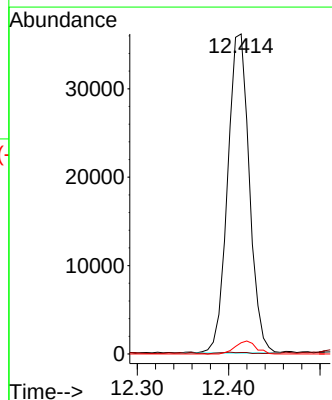
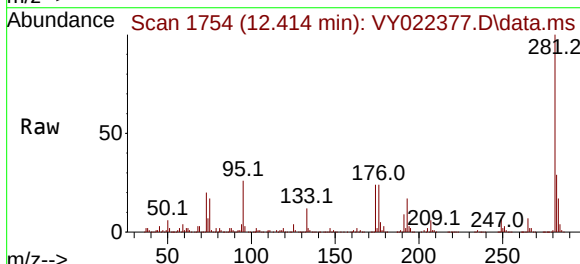
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

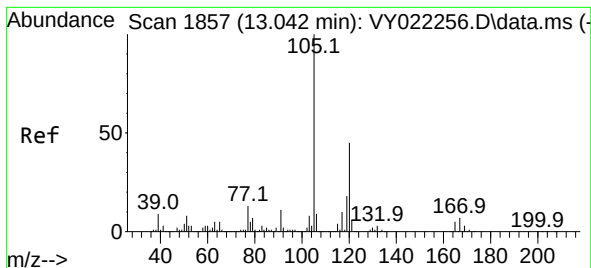
Tgt Ion: 75 Resp: 59653
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 217.789 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

Tgt Ion: 75 Resp: 59653
Ion Ratio Lower Upper
75 100
53 0.8 75.8 113.8#
89 3.8 36.2 54.2#





#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

Instrument :

MSVOA_Y

ClientSampleId :

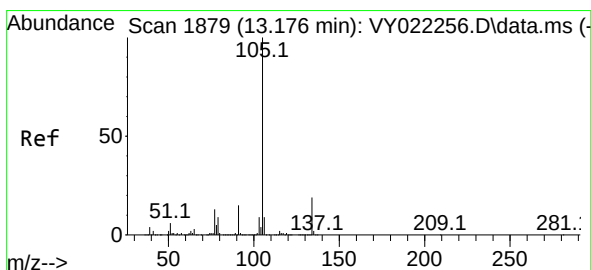
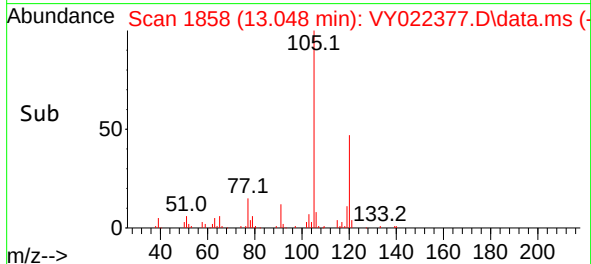
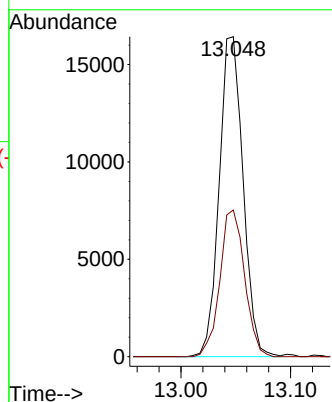
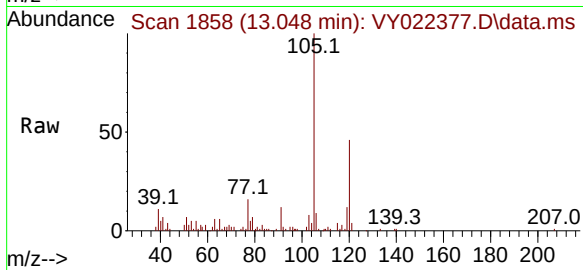
LAW-25-0077

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# 1879

Delta R.T. 0.000 min

Lab File: VY022377.D

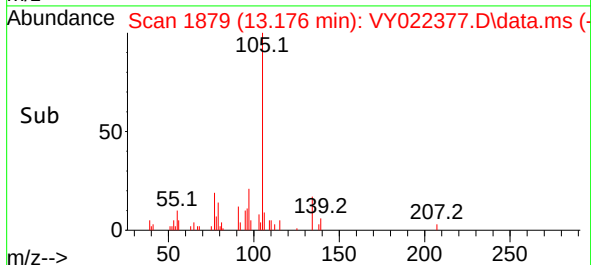
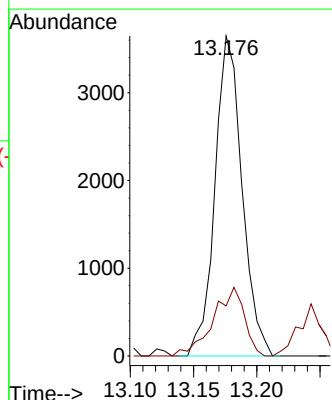
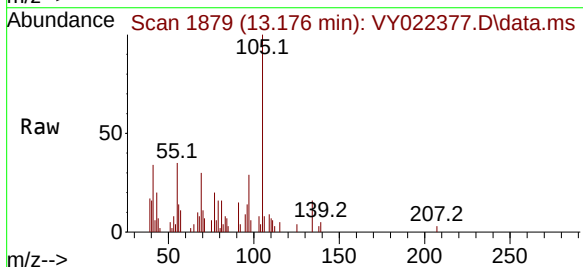
Acq: 21 May 2025 19:02

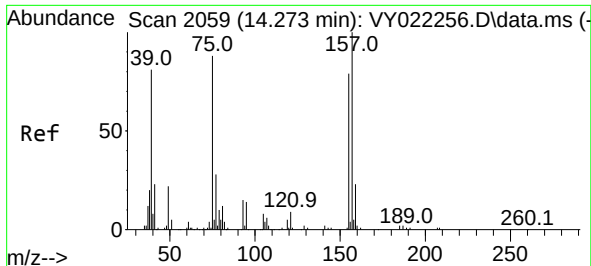
Tgt Ion:105 Resp: 5440

Ion Ratio Lower Upper

105 100

134 24.7 9.8 29.5

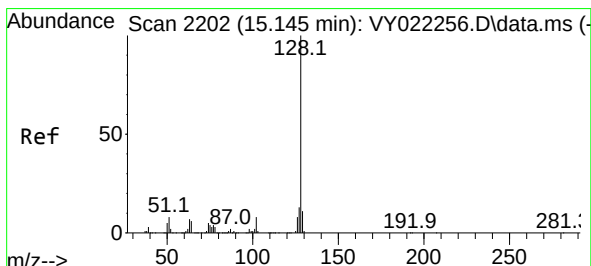
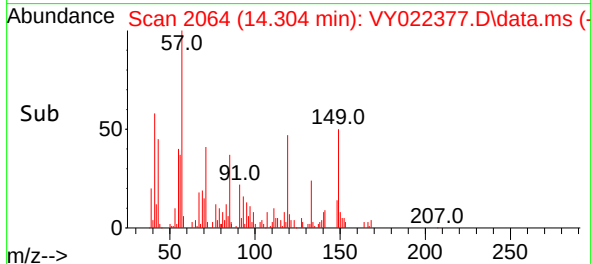
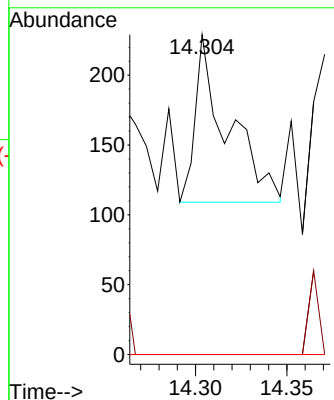
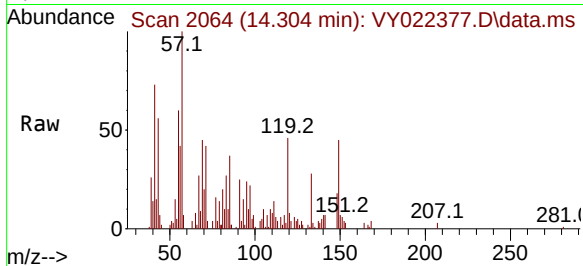




#92
1,2-Dibromo-3-Chloropropane
Concen: 1.306 ug/l
RT: 14.304 min Scan# 2059
Delta R.T. 0.031 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

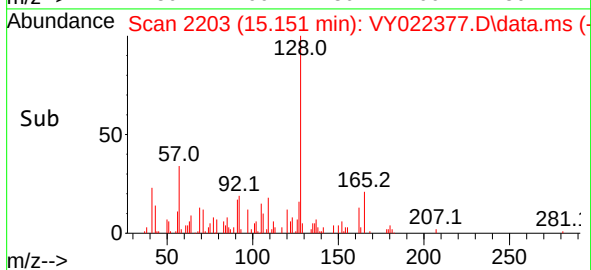
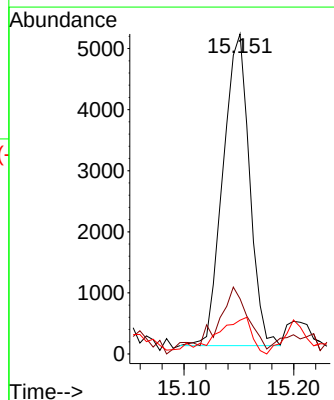
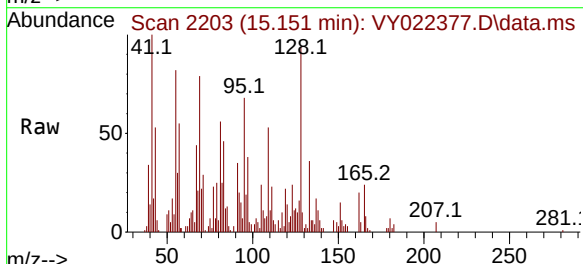
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0077

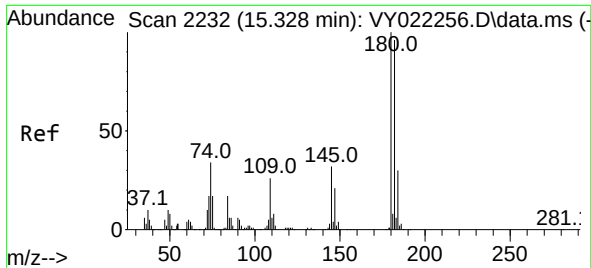
Tgt Ion: 75 Resp: 147
Ion Ratio Lower Upper
75 100
155 0.0 43.4 130.1#
157 0.0 54.6 163.9#



#95
Naphthalene
Concen: 4.687 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY022377.D
Acq: 21 May 2025 19:02

Tgt Ion: 128 Resp: 8538
Ion Ratio Lower Upper
128 100
127 27.1 10.2 15.2#
129 16.2 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.210 ug/l
 RT: 15.297 min Scan# 21
 Delta R.T. -0.030 min
 Lab File: VY022377.D
 Acq: 21 May 2025 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0077

Tgt Ion:180 Resp: 2614
 Ion Ratio Lower Upper
 180 100
 182 5.5 47.1 141.3#
 145 72.7 15.9 47.6#

