

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012025\
 Data File : VY020877.D
 Acq On : 20 Jan 2025 13:25
 Operator : SY/MD
 Sample : Q1134-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 21 00:41:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

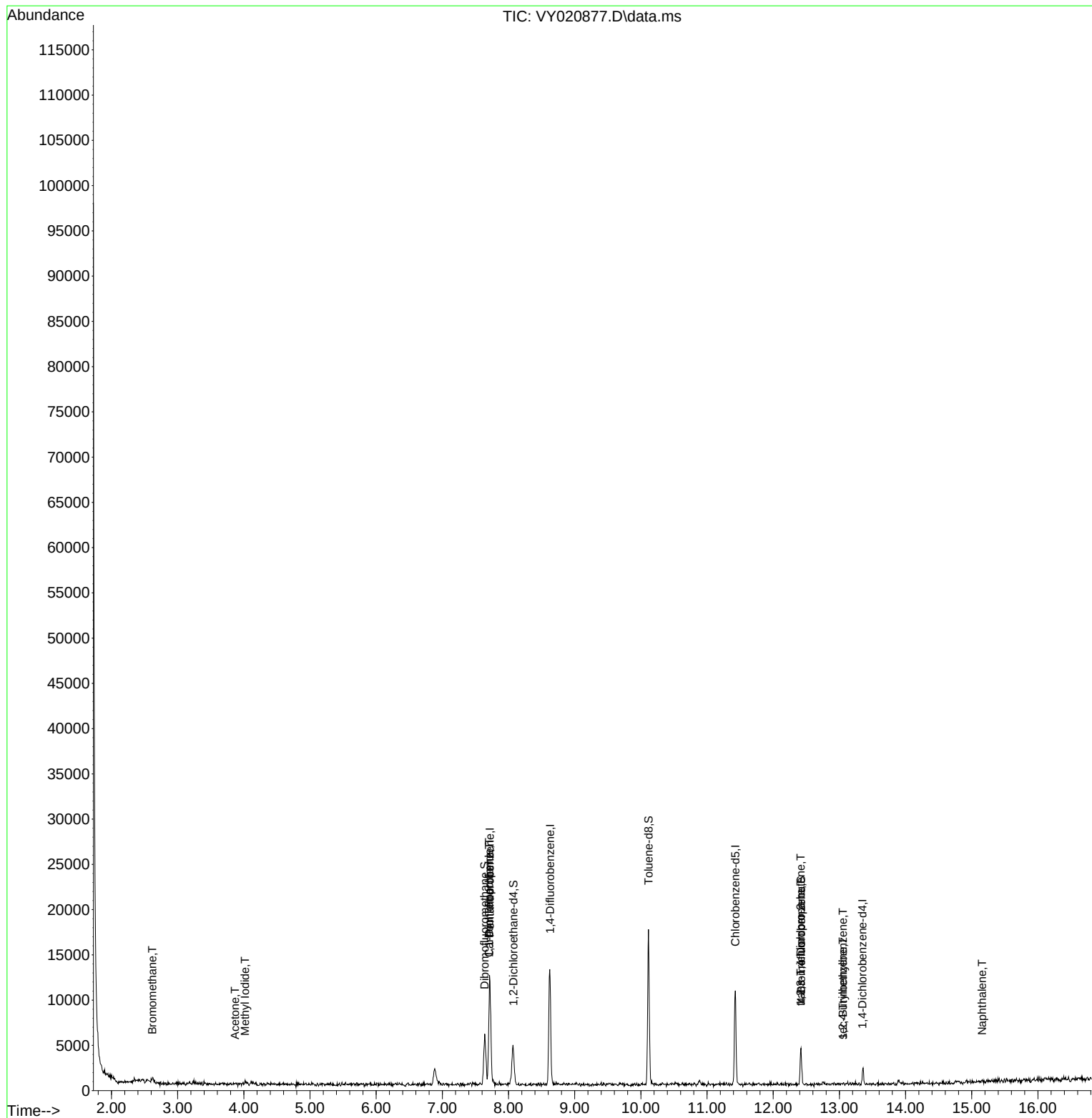
Internal Standards						
1) Pentafluorobenzene	7.719	168	10192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	12973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	6649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	3391	39.144	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	78.280%		
35) Dibromofluoromethane	7.640	113	4028	49.560	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.120%		
50) Toluene-d8	10.115	98	12211	43.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	86.200%		
62) 4-Bromofluorobenzene	12.420	95	1445	13.811	ug/l	0.01
Spiked Amount 50.000	Range 29 - 146		Recovery =	27.620%#		
Target Compounds						Qvalue
5) Bromomethane	2.617	94	173	5.548	ug/l #	67
10) Methyl Iodide	4.019	142	518	5.327	ug/l #	66
16) Acetone	3.866	43	187	15.180	ug/l #	41
36) 1,1-Dichloropropene	7.707	75	618	5.961	ug/l #	40
38) Carbon Tetrachloride	7.707	117	995	6.895	ug/l #	12
76) 1,2,3-Trichloropropane	12.414	75	619	102.677	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	619	216.498	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.054	105	132	3.051	ug/l #	31
85) sec-Butylbenzene	13.054	105	132	2.281	ug/l #	55
95) Naphthalene	15.157	128	53	2.614	ug/l #	69

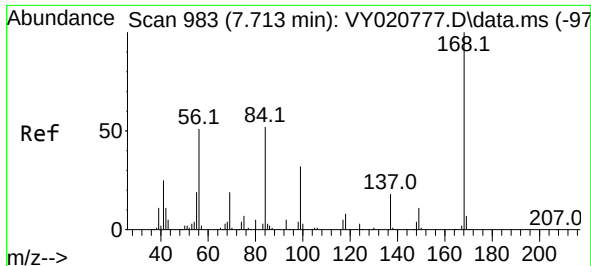
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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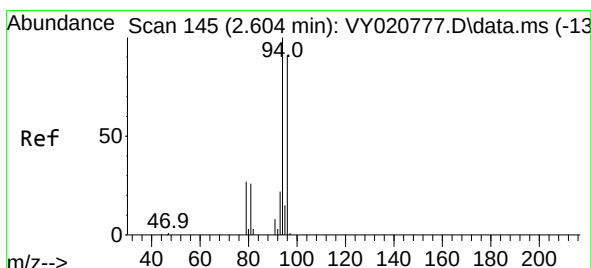
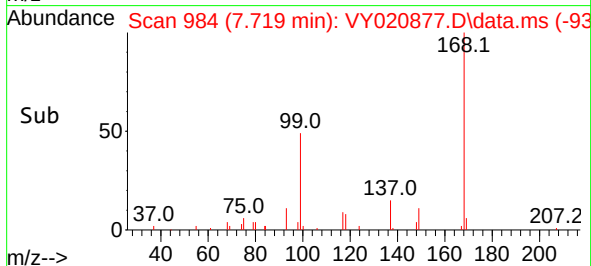
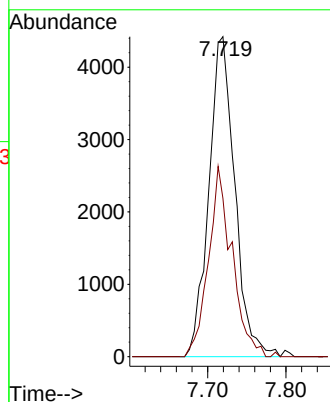
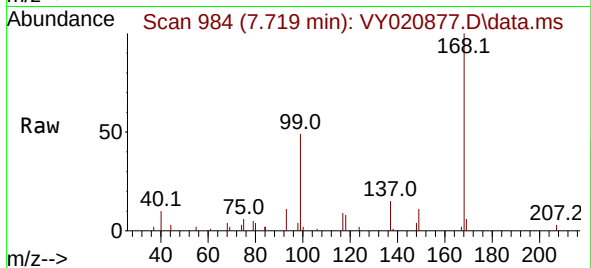




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

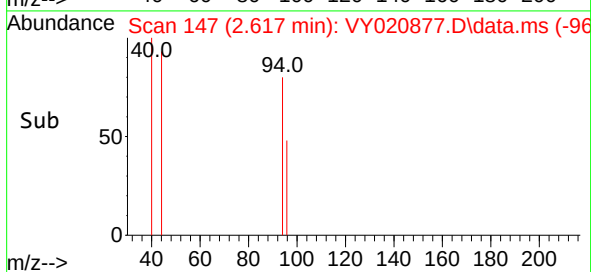
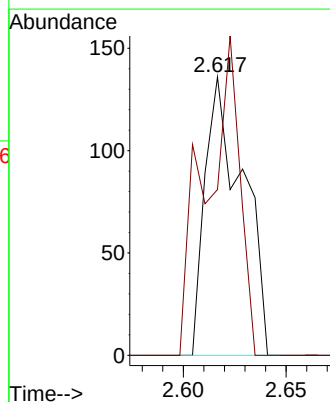
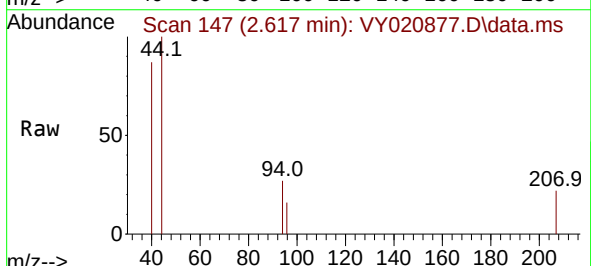
Instrument :
MSVOA_Y
ClientSampleId :

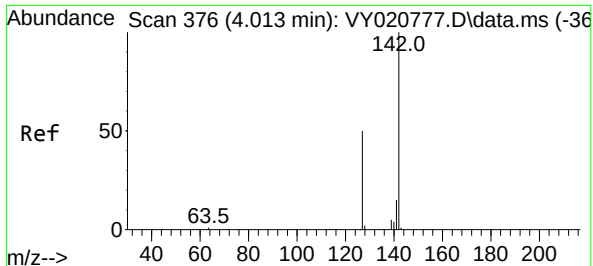
Tgt Ion:168 Resp: 10192
Ion Ratio Lower Upper
168 100
99 49.5 44.3 66.5



#5
Bromomethane
Concen: 5.548 ug/l
RT: 2.617 min Scan# 147
Delta R.T. 0.012 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 59.6 72.6 109.0#





#10

Methyl Iodide

Concen: 5.327 ug/l

RT: 4.019 min Scan# 31

Delta R.T. 0.006 min

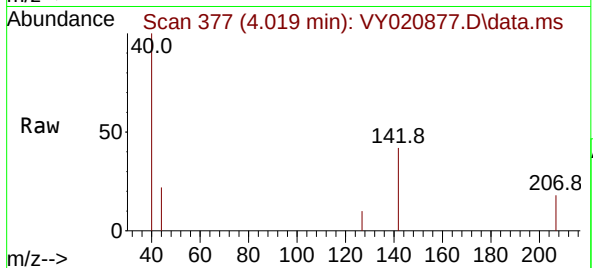
Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

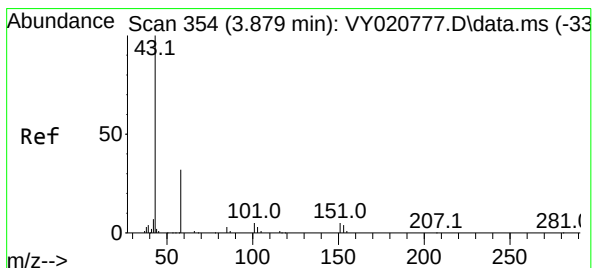
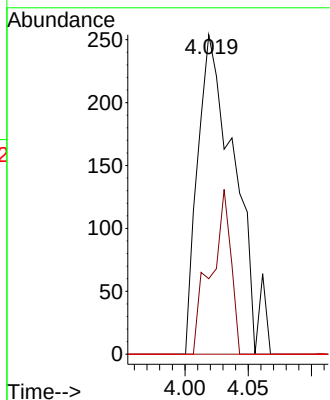
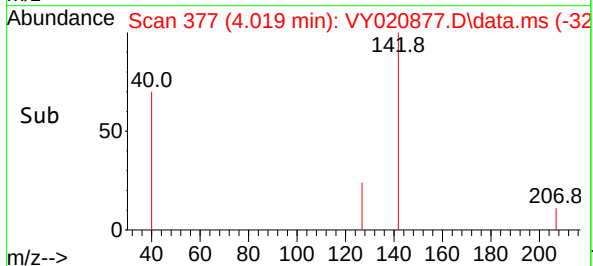
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	142	Resp:	518
Ion	Ratio	Lower	Upper
142	100		
127	28.0	41.0	61.6#
141	0.0	11.6	17.4#



#16

Acetone

Concen: 15.180 ug/l

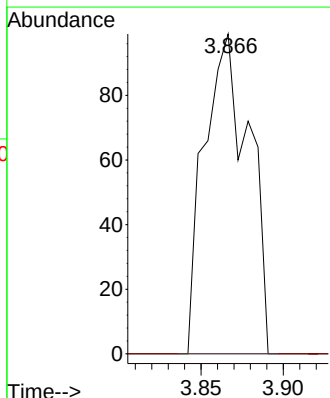
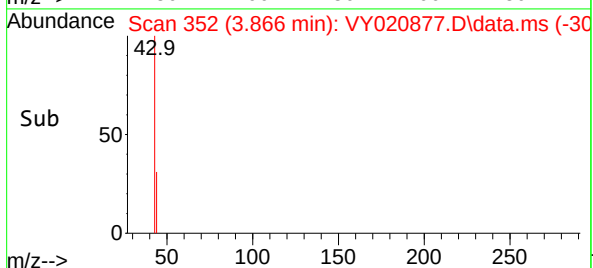
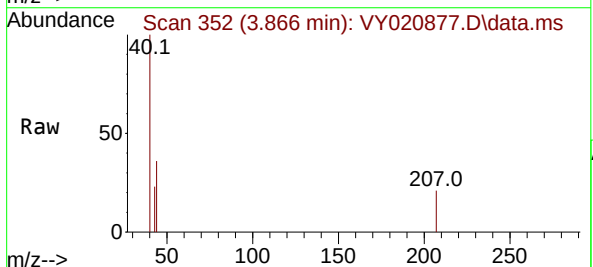
RT: 3.866 min Scan# 352

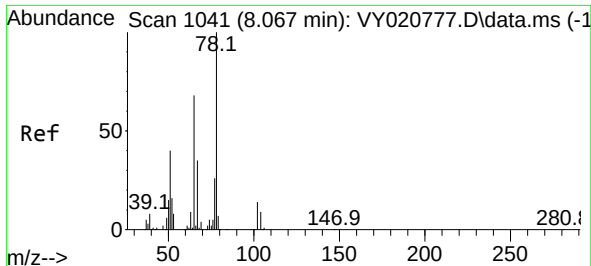
Delta R.T. -0.012 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

Tgt Ion:	43	Resp:	187
Ion	Ratio	Lower	Upper
43	100		
58	0.0	26.7	40.1#





#33

1,2-Dichloroethane-d4

Concen: 39.144 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

Instrument :

MSVOA_Y

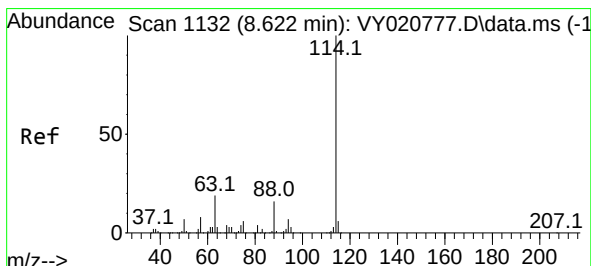
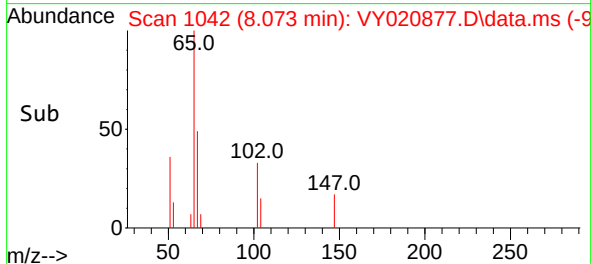
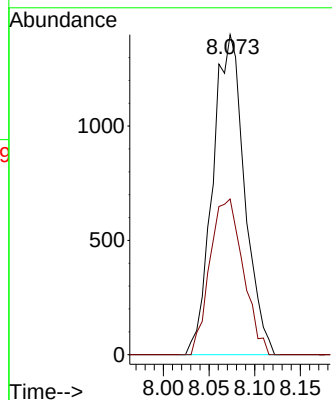
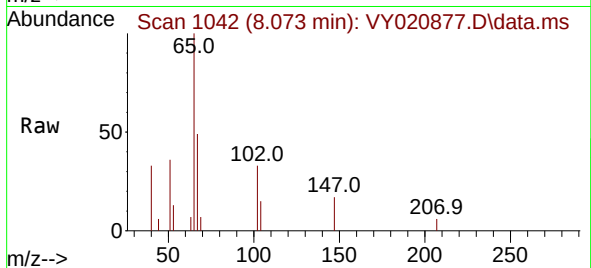
ClientSampleId :

Tgt Ion: 65 Resp: 3391

Ion Ratio Lower Upper

65 100

67 50.9 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

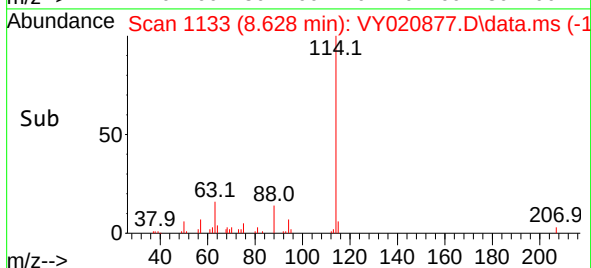
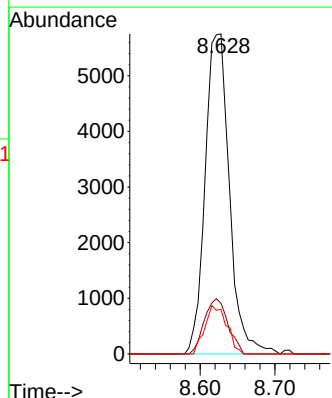
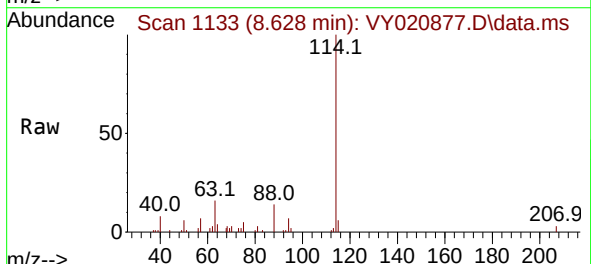
Tgt Ion: 114 Resp: 12973

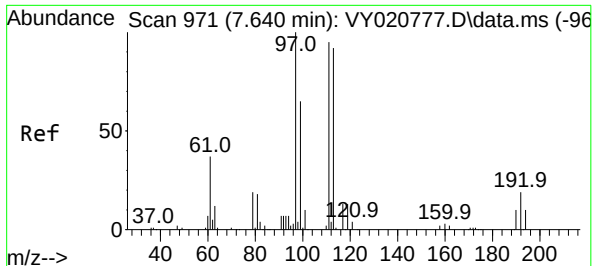
Ion Ratio Lower Upper

114 100

63 15.8 0.0 38.4

88 13.9 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.560 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

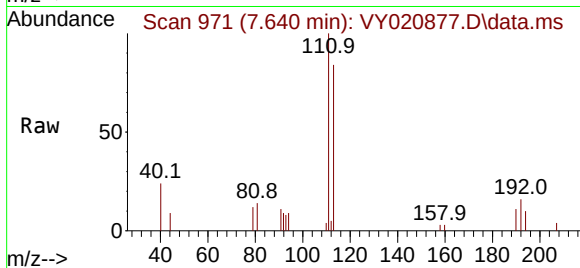
Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :



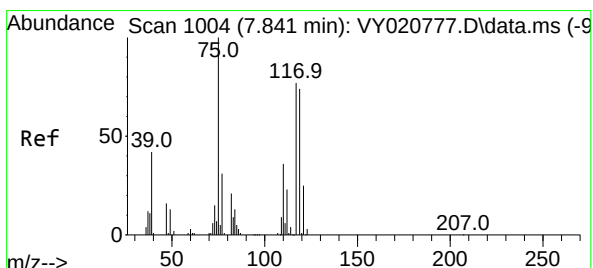
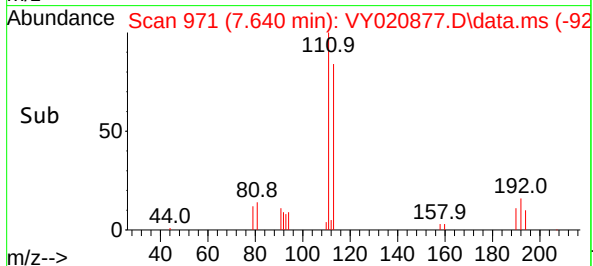
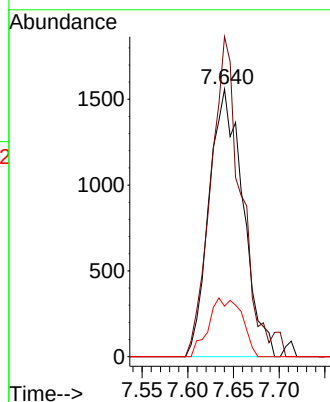
Tgt Ion:113 Resp: 4028

Ion Ratio Lower Upper

113 100

111 107.7 81.7 122.5

192 21.4 16.7 25.1



#36

1,1-Dichloropropene

Concen: 5.961 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

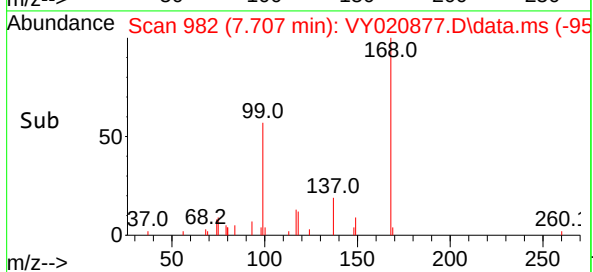
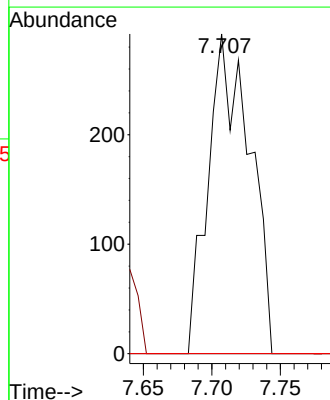
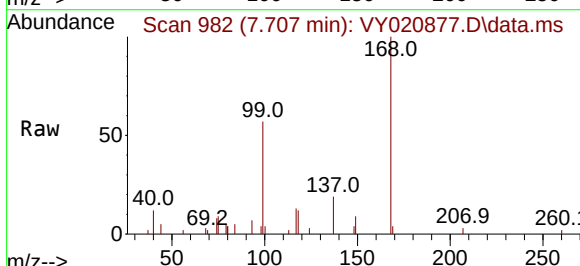
Tgt Ion: 75 Resp: 618

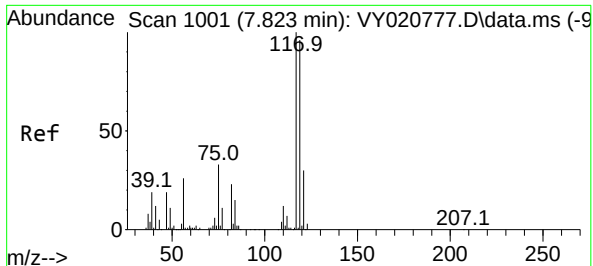
Ion Ratio Lower Upper

75 100

110 0.0 18.5 55.5#

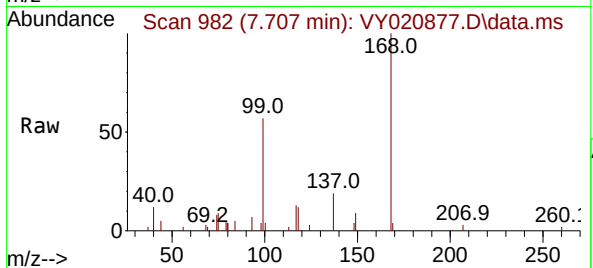
77 0.0 25.0 37.4#



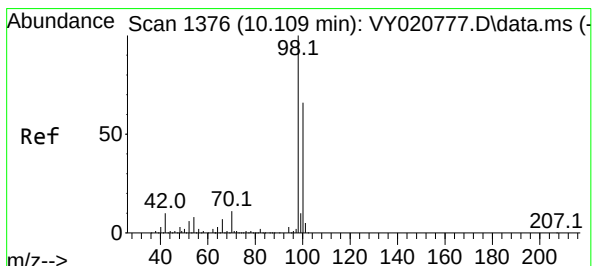
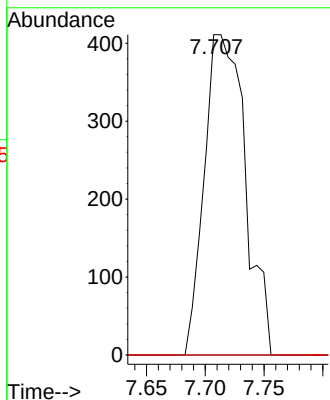
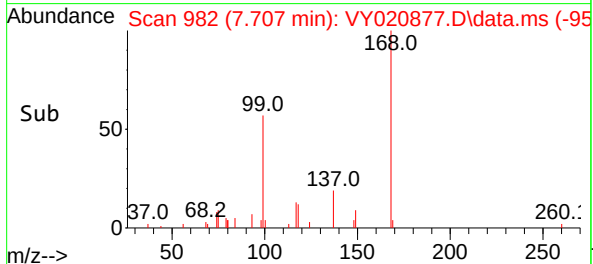


#38
Carbon Tetrachloride
Concen: 6.895 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :

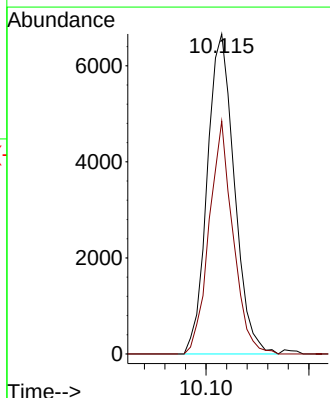
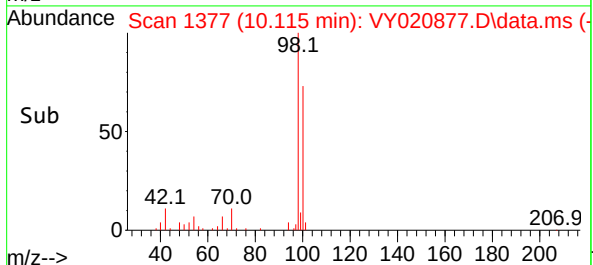
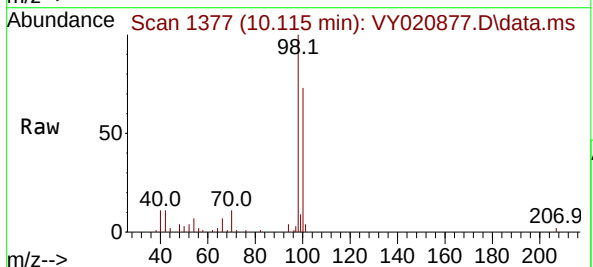


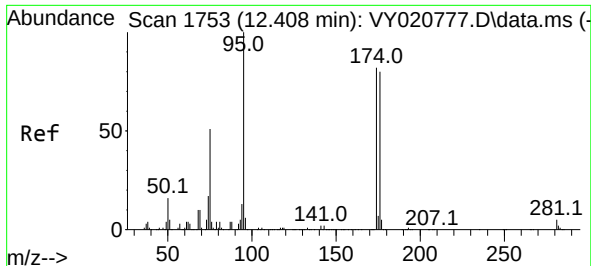
Tgt Ion:117 Resp: 995
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 43.099 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

Tgt Ion: 98 Resp: 12211
Ion Ratio Lower Upper
98 100
100 64.1 52.5 78.7





#62

4-Bromofluorobenzene

Concen: 13.811 ug/l

RT: 12.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

Instrument :

MSVOA_Y

ClientSampleId :

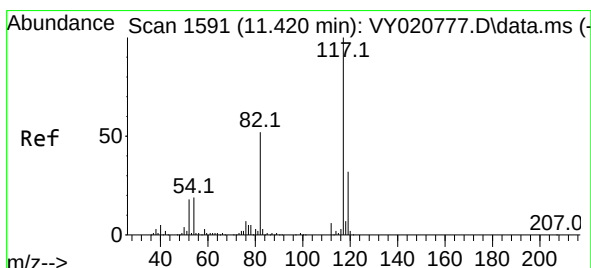
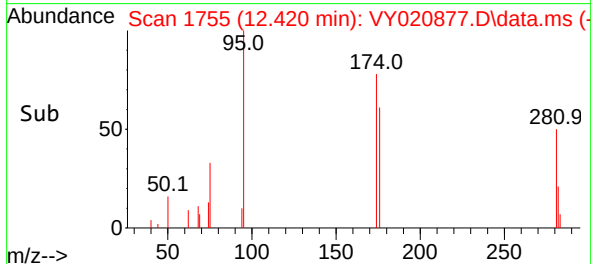
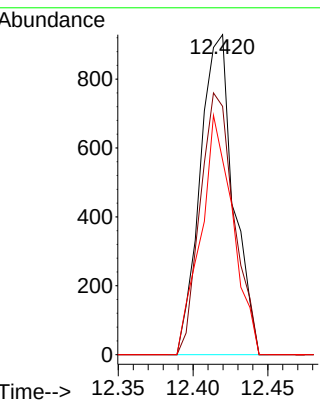
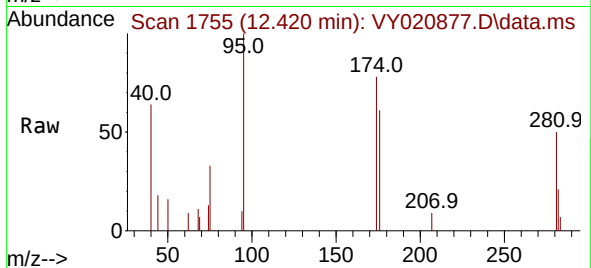
Tgt Ion: 95 Resp: 1445

Ion Ratio Lower Upper

95 100

174 82.8 0.0 178.0

176 71.7 0.0 172.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1592

Delta R.T. 0.006 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

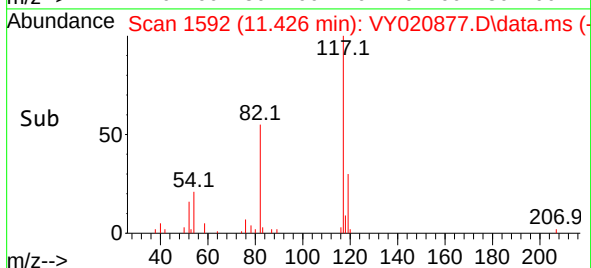
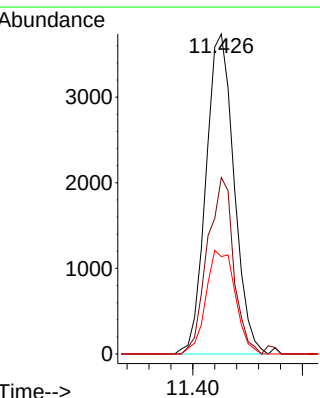
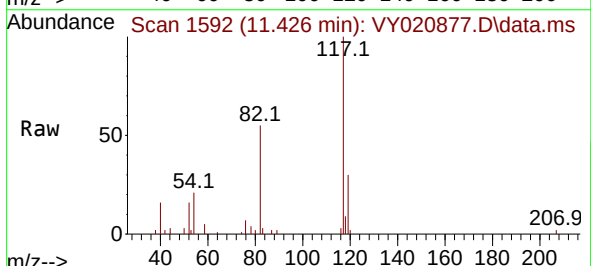
Tgt Ion: 117 Resp: 6649

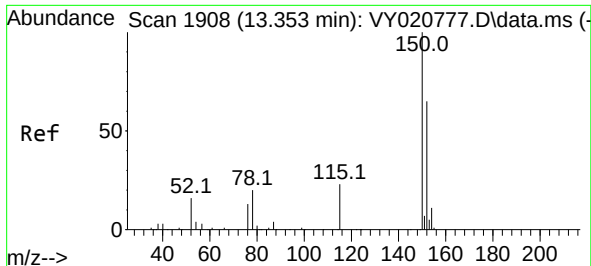
Ion Ratio Lower Upper

117 100

82 55.1 41.8 62.6

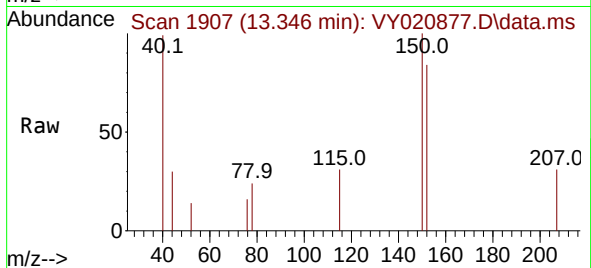
119 30.4 25.8 38.8



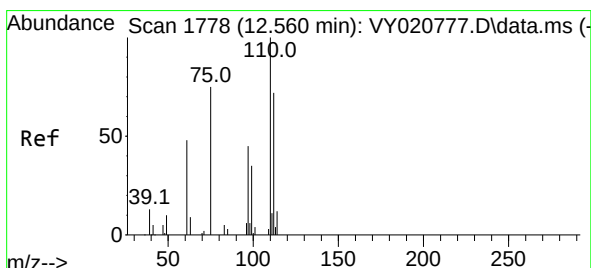
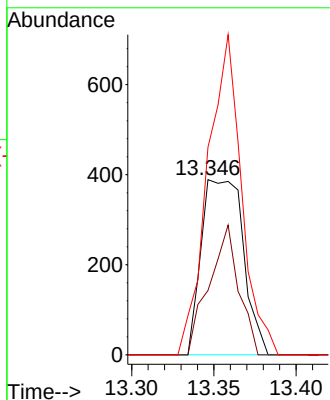
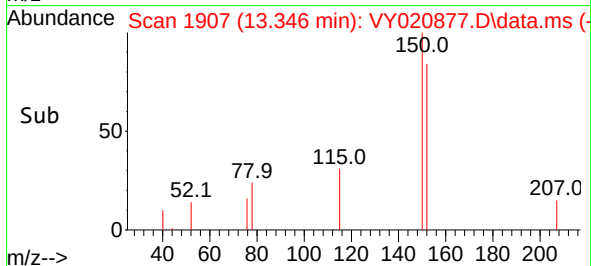


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

Instrument :
MSVOA_Y
ClientSampleId :

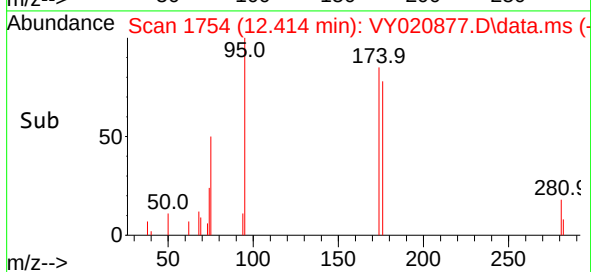
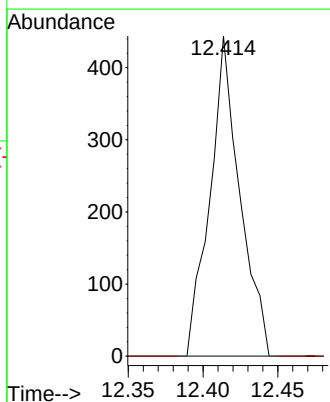
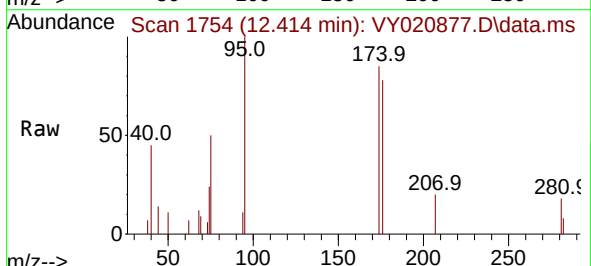


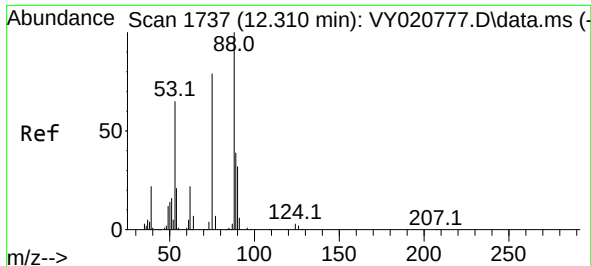
Tgt Ion:152 Resp: 689
Ion Ratio Lower Upper
152 100
115 52.5 29.0 87.0
150 147.8 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 102.677 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

Tgt Ion: 75 Resp: 619
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

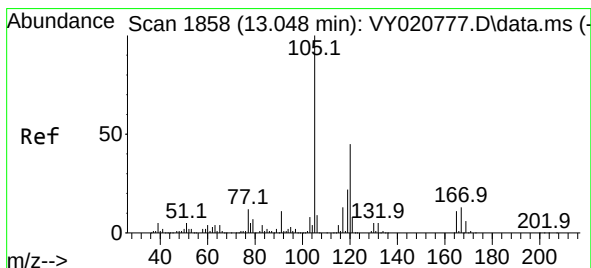
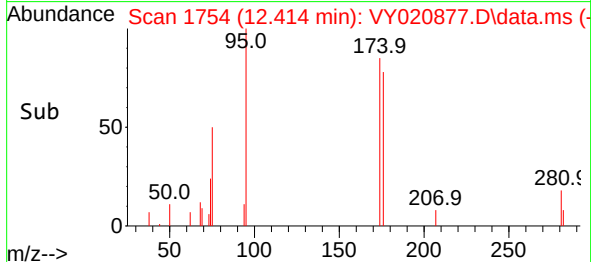
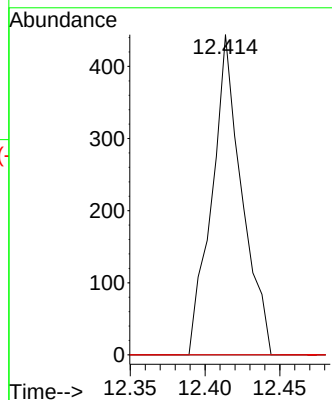
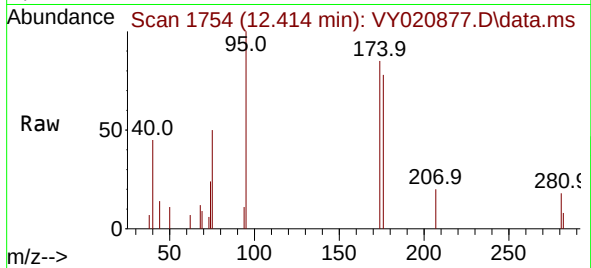




#81
trans-1,4-Dichloro-2-butene
Concen: 216.498 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

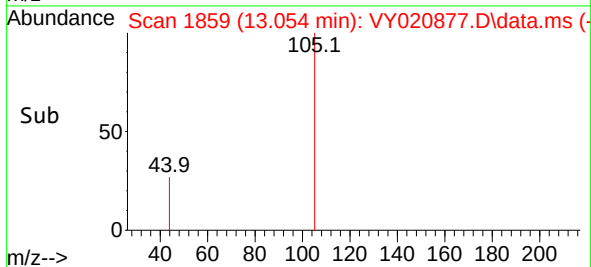
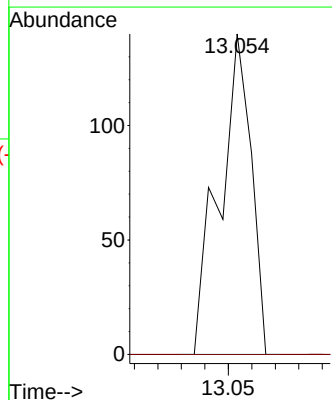
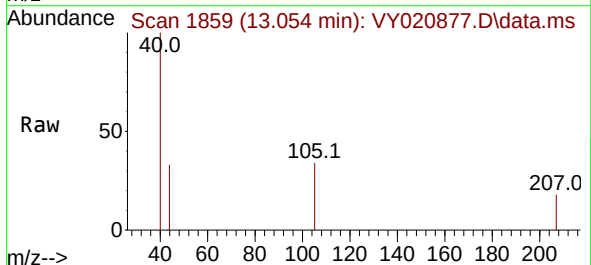
Instrument :
MSVOA_Y
ClientSampleId :

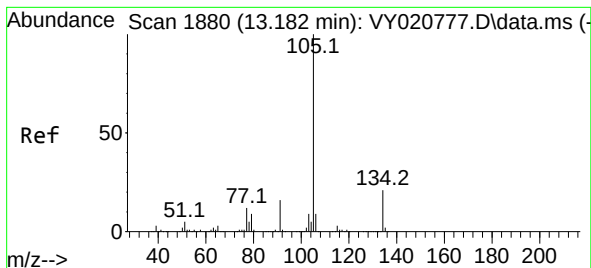
Tgt Ion: 75 Resp: 619
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#



#84
1,2,4-Trimethylbenzene
Concen: 3.051 ug/l
RT: 13.054 min Scan# 1859
Delta R.T. 0.006 min
Lab File: VY020877.D
Acq: 20 Jan 2025 13:25

Tgt Ion: 105 Resp: 132
Ion Ratio Lower Upper
105 100
120 0.0 22.4 67.2#





#85

sec-Butylbenzene

Concen: 2.281 ug/l

RT: 13.054 min Scan# 1859

Delta R.T. -0.128 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

Instrument :

MSVOA_Y

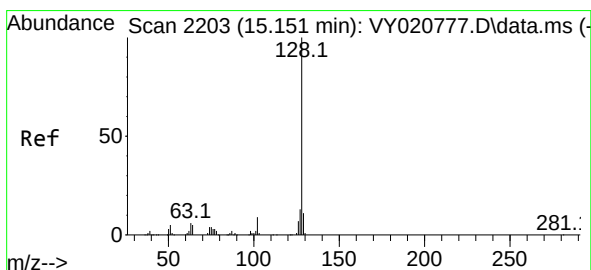
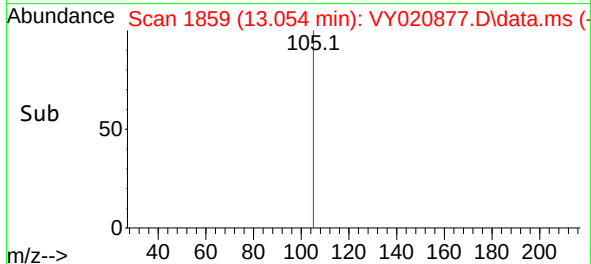
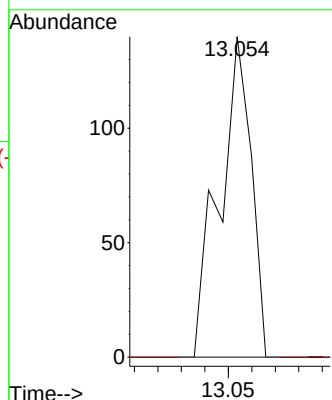
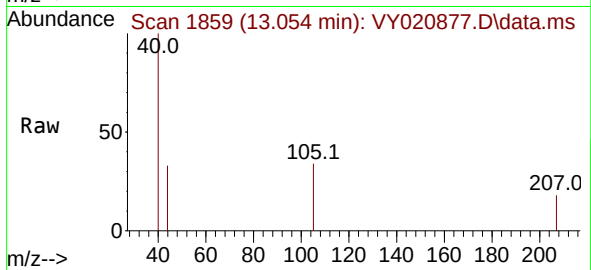
ClientSampleId :

Tgt Ion:105 Resp: 132

Ion Ratio Lower Upper

105 100

134 0.0 10.5 31.5#



#95

Naphthalene

Concen: 2.614 ug/l

RT: 15.157 min Scan# 2204

Delta R.T. 0.006 min

Lab File: VY020877.D

Acq: 20 Jan 2025 13:25

Tgt Ion:128 Resp: 53

Ion Ratio Lower Upper

128 100

127 0.0 10.5 15.7#

129 0.0 8.6 12.8#

