

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012325\
 Data File : VY020912.D
 Acq On : 23 Jan 2025 13:53
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 24 00:18:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 00:38:42 2025
 Response via : Initial Calibration

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

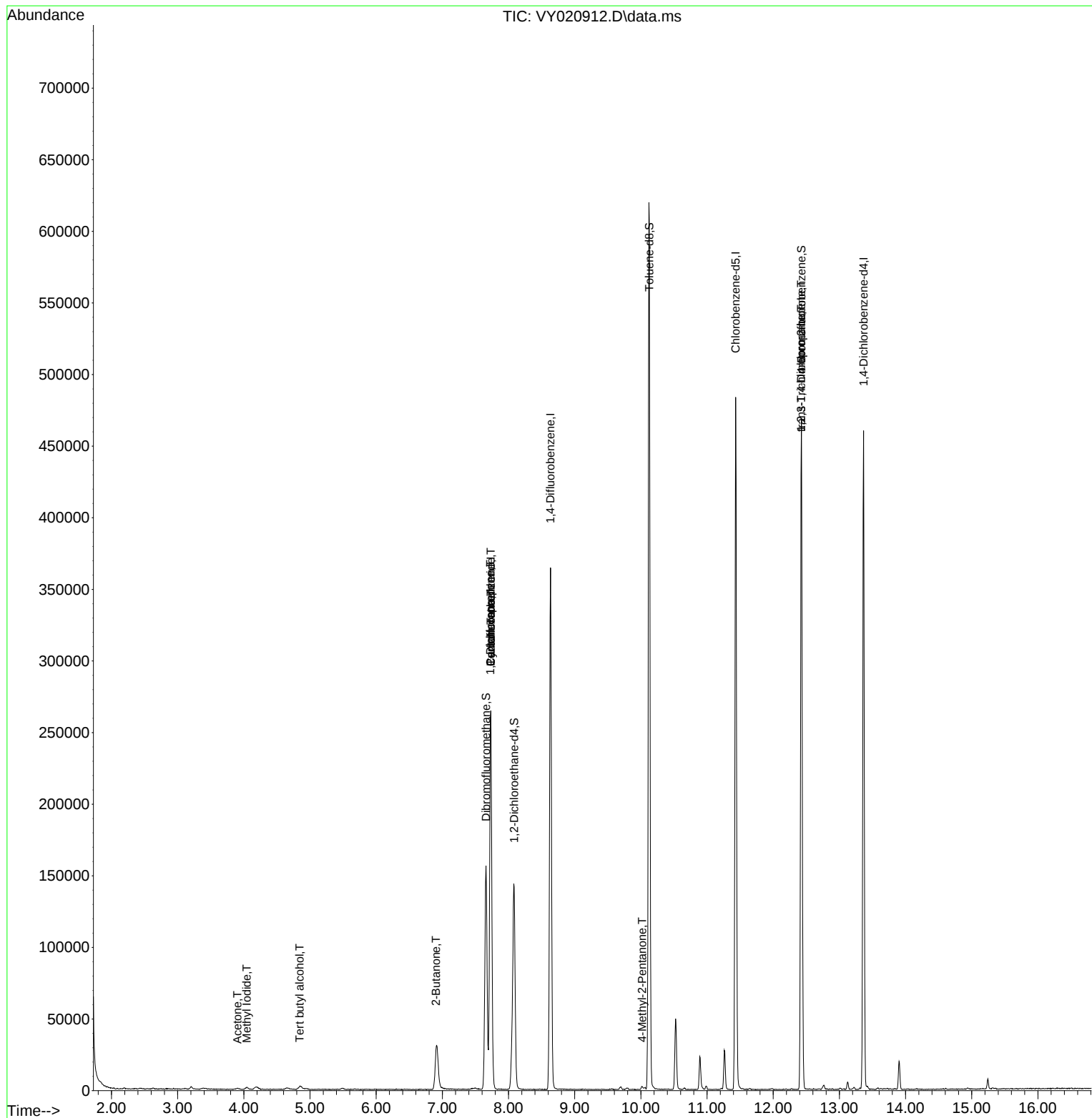
Internal Standards						
1) Pentafluorobenzene	7.732	168	217566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.634	114	328222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.432	117	268870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.365	152	121890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.085	65	104522	56.522	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 113.040%	
35) Dibromofluoromethane	7.658	113	112601	54.759	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.520%	
50) Toluene-d8	10.128	98	423138	59.030	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 118.060%	
62) 4-Bromofluorobenzene	12.426	95	128584	48.575	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 97.160%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.043	142	2499	1.204	ug/l	88
11) Tert butyl alcohol	4.842	59	1254	8.974	ug/l #	73
16) Acetone	3.903	43	1490	5.666	ug/l	96
25) 2-Butanone	6.902	43	1589	3.679	ug/l #	69
31) Cyclohexane	7.732	56	3736	1.388	ug/l #	1
36) 1,1-Dichloropropene	7.726	75	15172	5.785	ug/l #	50
38) Carbon Tetrachloride	7.732	117	20618	5.647	ug/l #	17
51) 4-Methyl-2-Pentanone	10.018	43	1734	1.635	ug/l #	85
76) 1,2,3-Trichloropropane	12.420	75	63337	59.387	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	63337	125.220	ug/l #	14

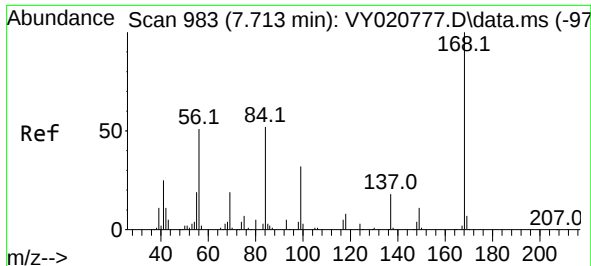
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 23 00:38:42 2025
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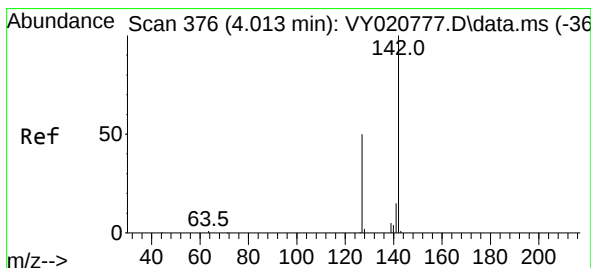
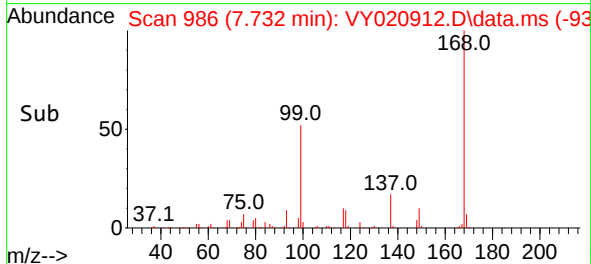
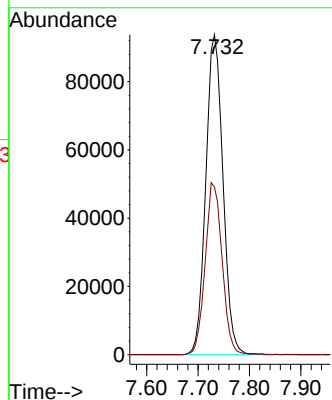
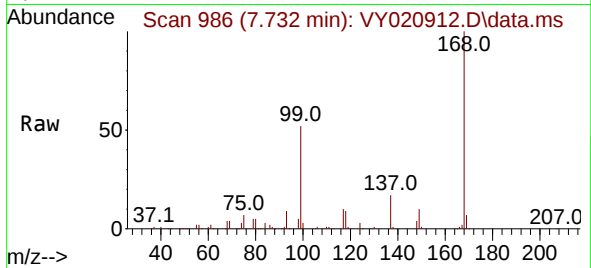




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.732 min Scan# 91
Delta R.T. -0.005 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

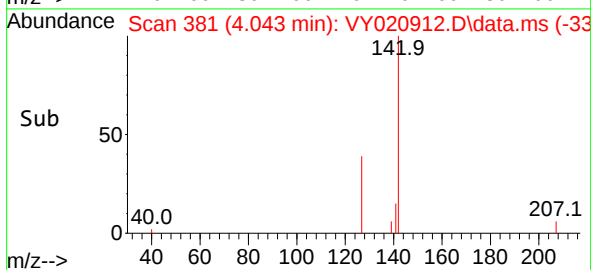
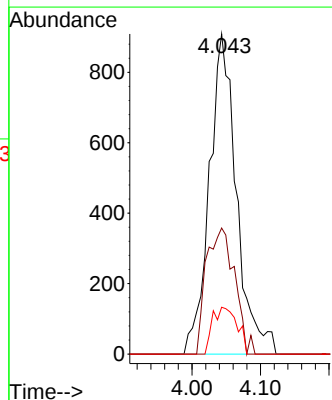
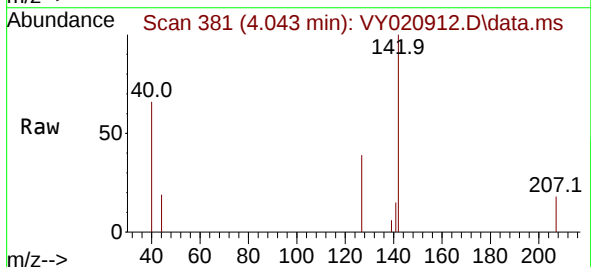
Instrument :
MSVOA_Y
ClientSampleId :

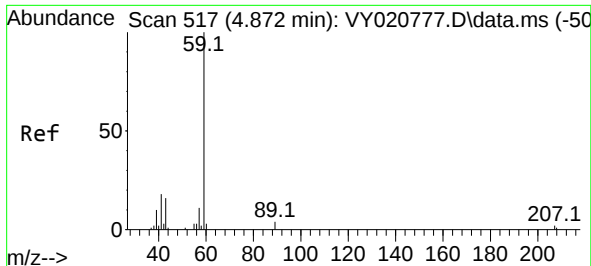
Tgt Ion:168 Resp: 217566
Ion Ratio Lower Upper
168 100
99 52.4 44.3 66.5



#10
Methyl Iodide
Concen: 1.204 ug/l
RT: 4.043 min Scan# 381
Delta R.T. 0.000 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

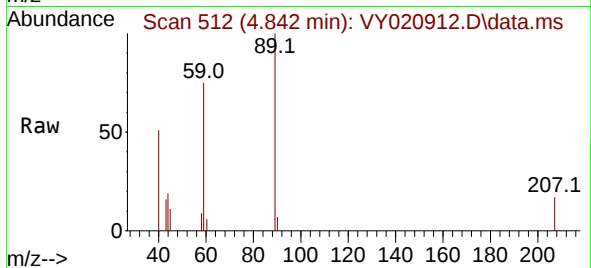
Tgt Ion:142 Resp: 2499
Ion Ratio Lower Upper
142 100
127 41.2 41.0 61.6
141 13.2 11.6 17.4



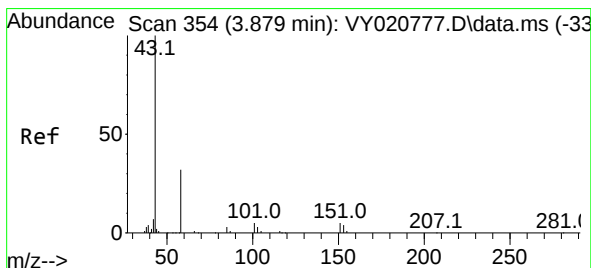
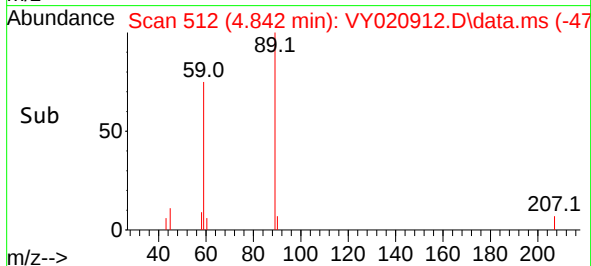
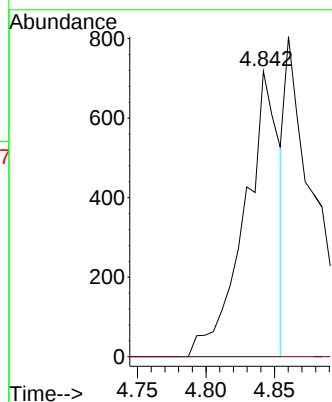


#11
Tert butyl alcohol
Concen: 8.974 ug/l
RT: 4.842 min Scan# 517
Delta R.T. -0.085 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

Instrument :
MSVOA_Y
ClientSampleId :

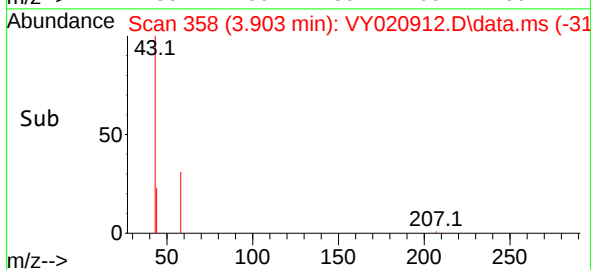
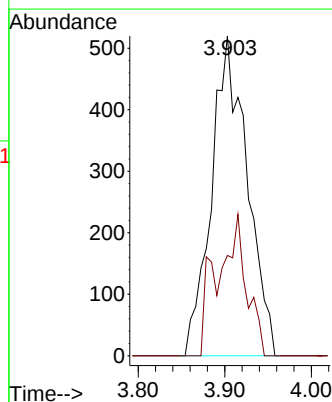
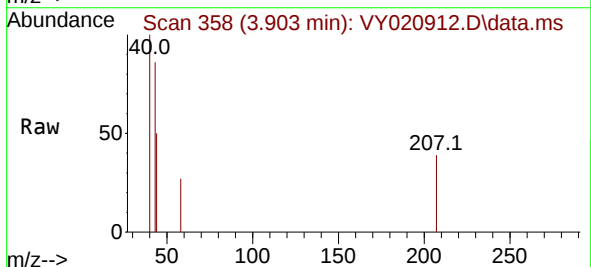


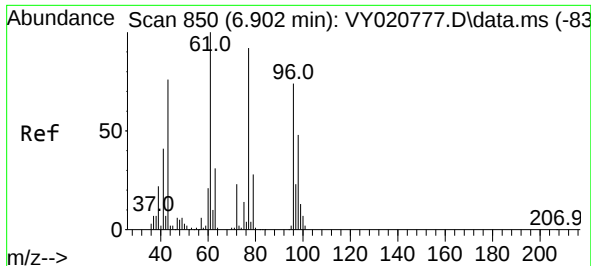
Tgt Ion: 59 Resp: 1254
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 5.666 ug/l
RT: 3.903 min Scan# 358
Delta R.T. -0.012 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
58 31.3 26.7 40.1





#25

2-Butanone

Concen: 3.679 ug/l

RT: 6.902 min Scan# 81

Delta R.T. -0.030 min

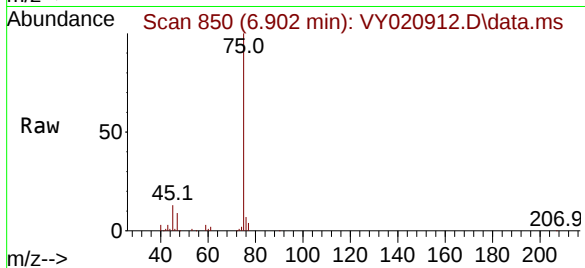
Lab File: VY020912.D

Acq: 23 Jan 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

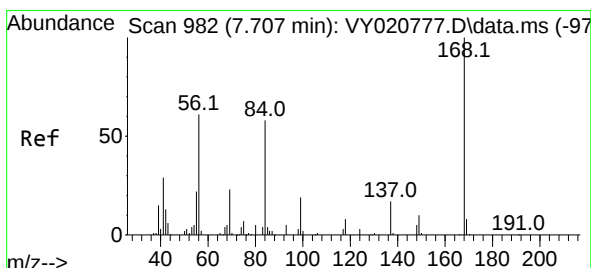
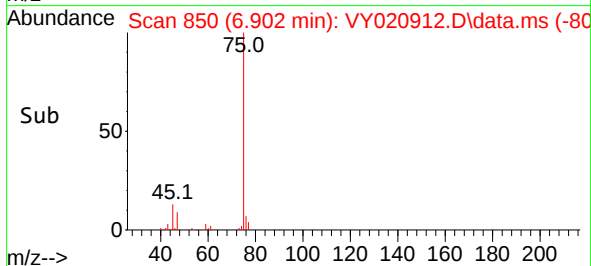
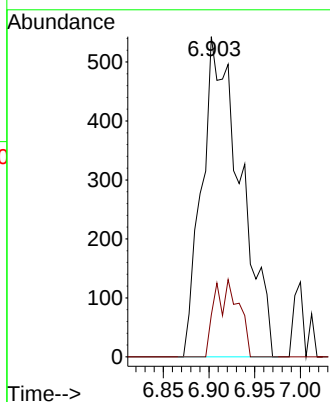


Tgt Ion: 43 Resp: 1589

Ion Ratio Lower Upper

43 100

72 13.1 24.0 36.0#



#31

Cyclohexane

Concen: 1.388 ug/l

RT: 7.732 min Scan# 986

Delta R.T. -0.006 min

Lab File: VY020912.D

Acq: 23 Jan 2025 13:53

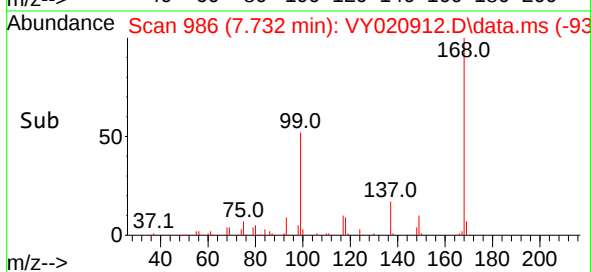
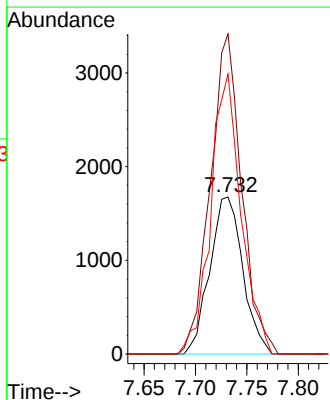
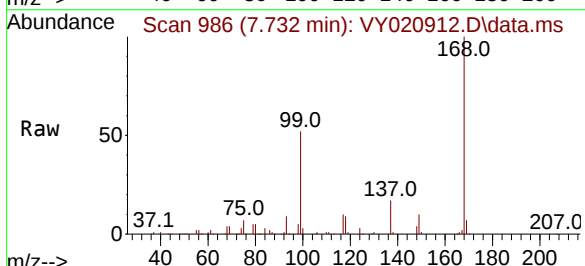
Tgt Ion: 56 Resp: 3736

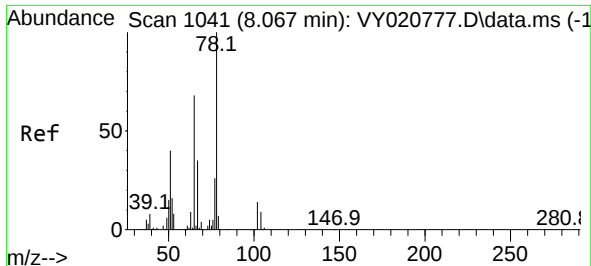
Ion Ratio Lower Upper

56 100

69 203.9 30.5 45.7#

84 178.4 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 56.522 ug/l

RT: 8.085 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VY020912.D

Acq: 23 Jan 2025 13:53

Instrument :

MSVOA_Y

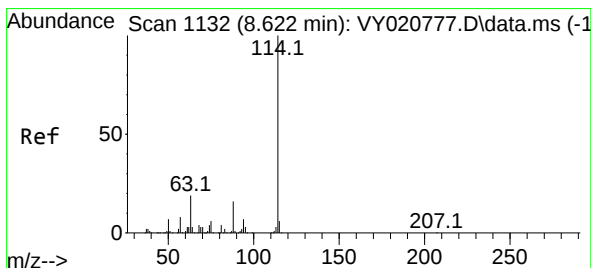
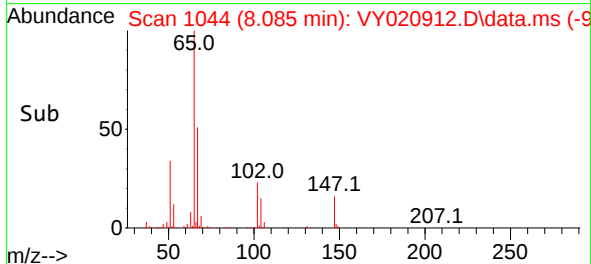
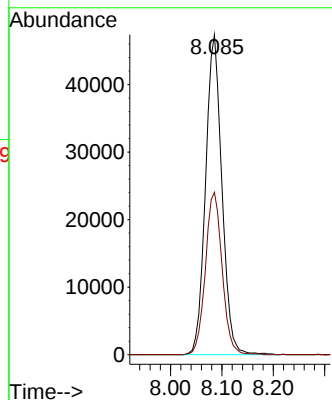
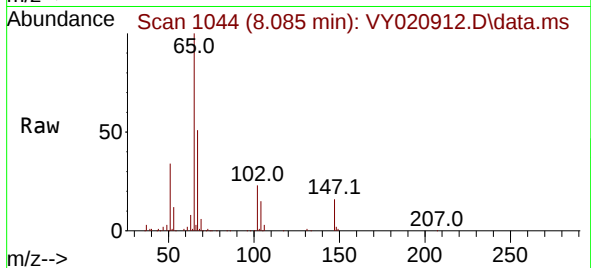
ClientSampleId :

Tgt Ion: 65 Resp: 104522

Ion Ratio Lower Upper

65 100

67 52.1 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.634 min Scan# 1134

Delta R.T. -0.006 min

Lab File: VY020912.D

Acq: 23 Jan 2025 13:53

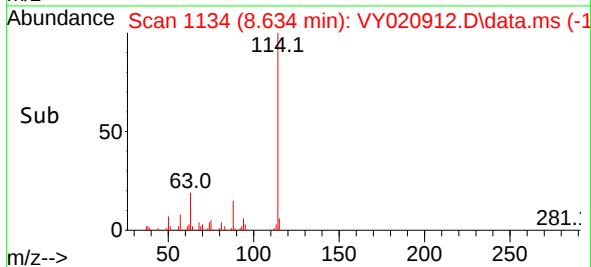
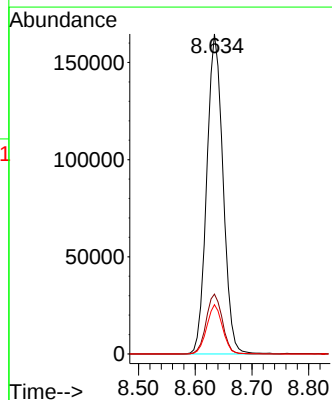
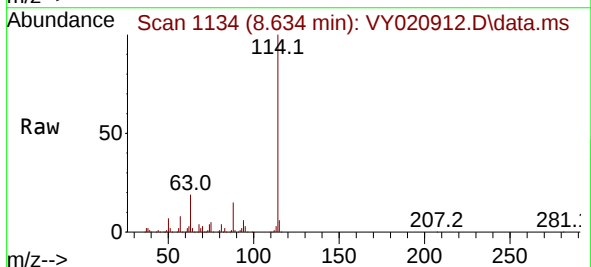
Tgt Ion:114 Resp: 328222

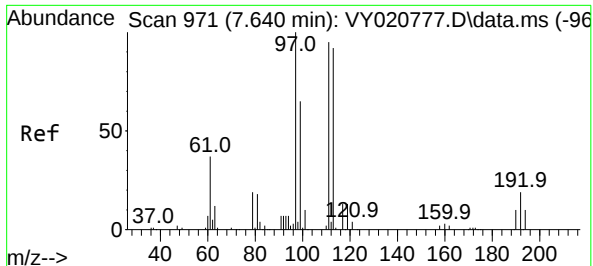
Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.4

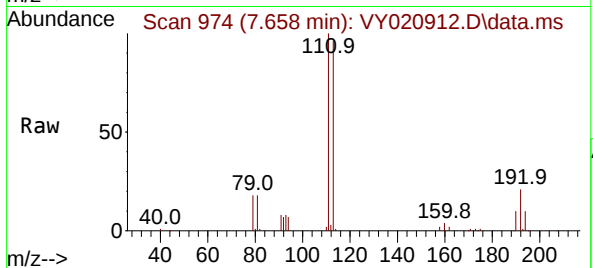
88 15.4 0.0 31.2



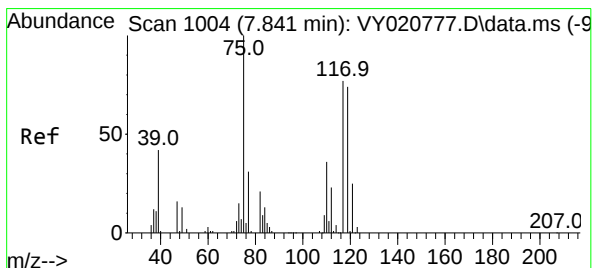
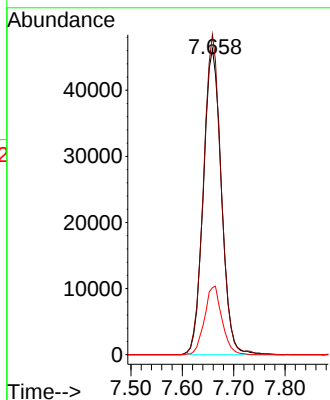
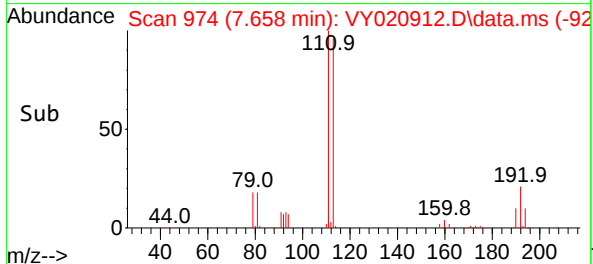


#35
Dibromofluoromethane
Concen: 54.759 ug/l
RT: 7.658 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

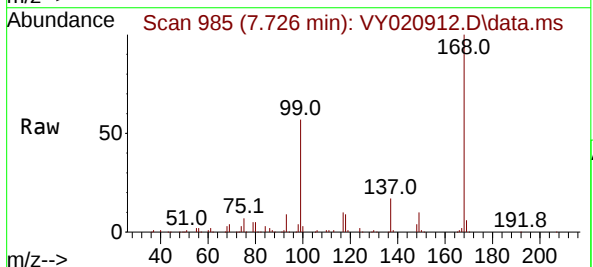
Instrument :
MSVOA_Y
ClientSampleId :



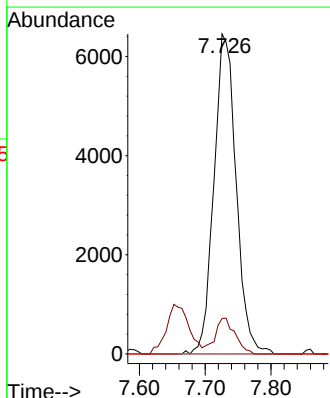
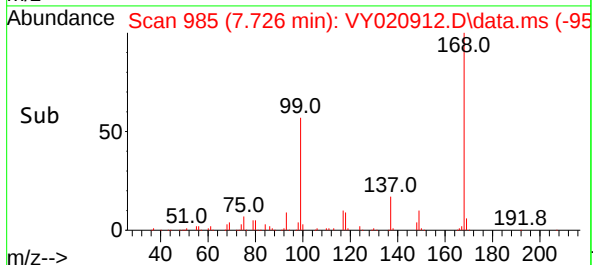
Tgt Ion:113 Resp: 112601
Ion Ratio Lower Upper
113 100
111 102.1 81.7 122.5
192 21.7 16.7 25.1

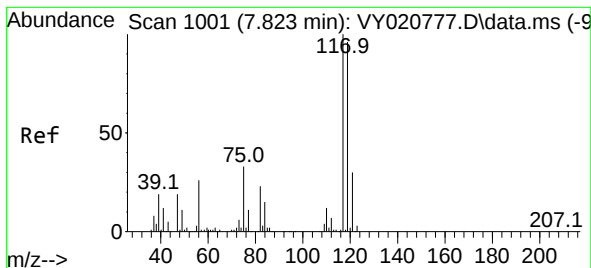


#36
1,1-Dichloropropene
Concen: 5.785 ug/l
RT: 7.726 min Scan# 985
Delta R.T. -0.140 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53



Tgt Ion: 75 Resp: 15172
Ion Ratio Lower Upper
75 100
110 10.2 18.5 55.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.647 ug/l

RT: 7.732 min Scan# 91

Delta R.T. -0.116 min

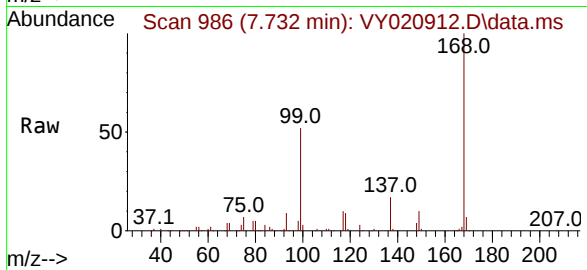
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Acq: 23 Jan 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :



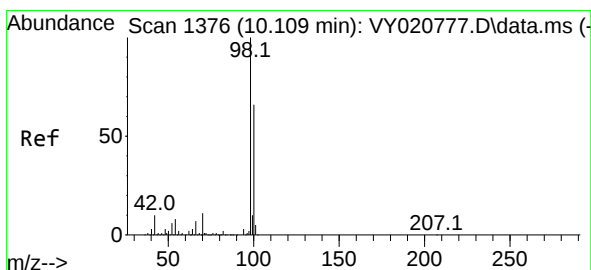
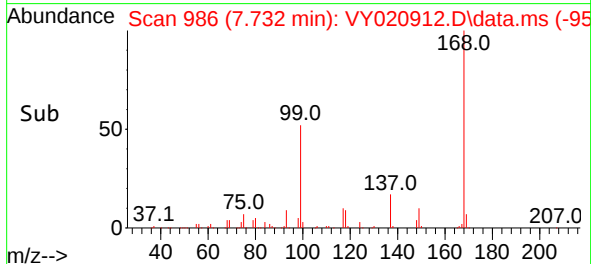
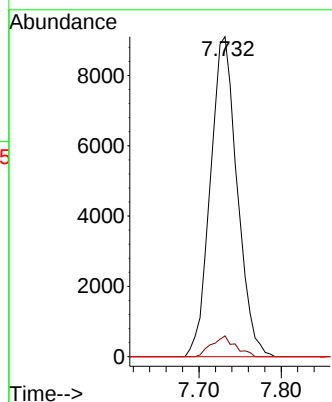
Tgt Ion:117 Resp: 20618

Ion Ratio Lower Upper

117 100

119 6.5 76.5 114.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 59.030 ug/l

RT: 10.128 min Scan# 1379

Delta R.T. -0.006 min

Lab File: VY020912.D

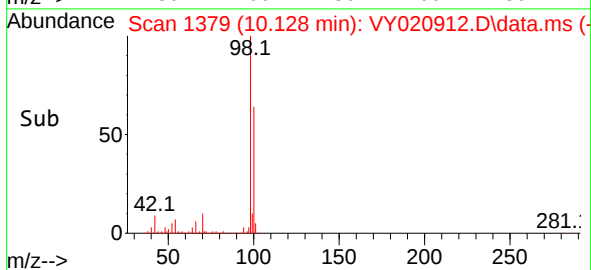
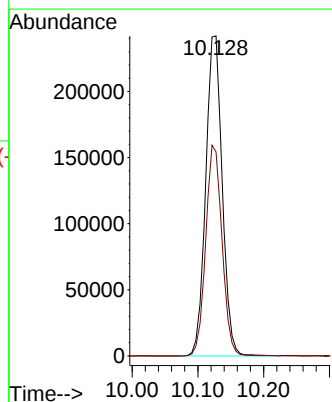
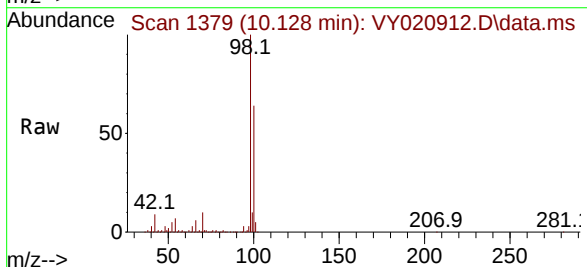
Acq: 23 Jan 2025 13:53

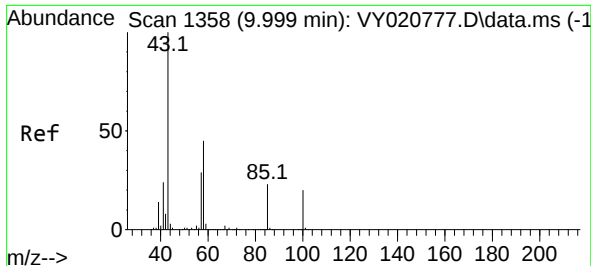
Tgt Ion: 98 Resp: 423138

Ion Ratio Lower Upper

98 100

100 65.1 52.5 78.7

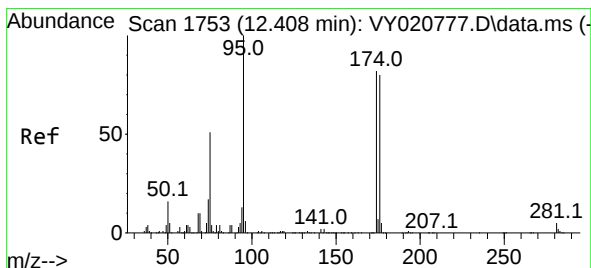
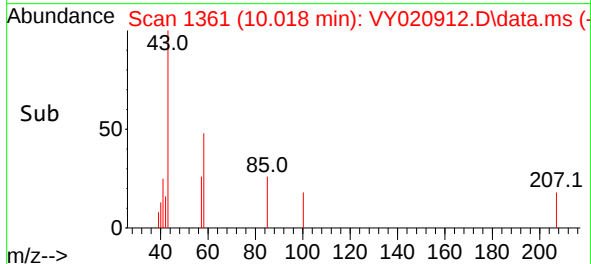
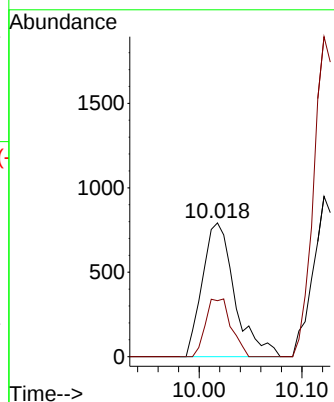
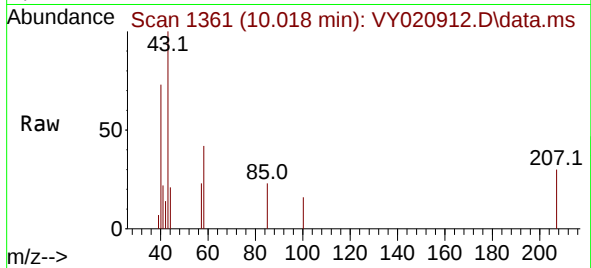




#51
4-Methyl-2-Pentanone
Concen: 1.635 ug/l
RT: 10.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

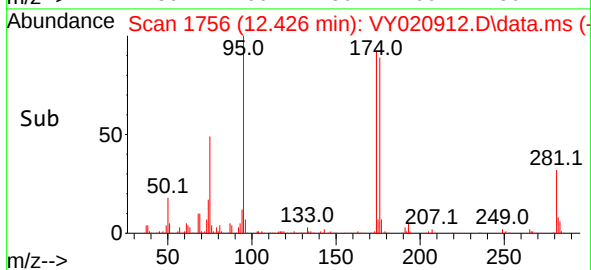
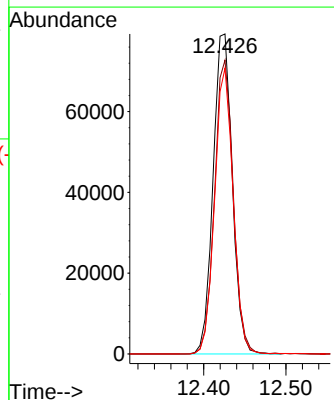
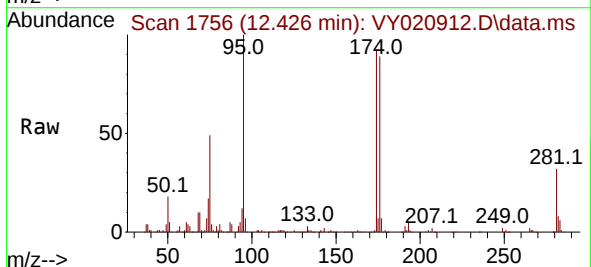
Instrument :
MSVOA_Y
ClientSampleId :

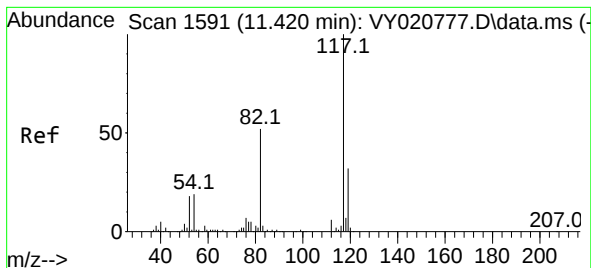
Tgt Ion: 43 Resp: 1734
Ion Ratio Lower Upper
43 100
58 34.1 34.8 52.2#



#62
4-Bromofluorobenzene
Concen: 48.575 ug/l
RT: 12.426 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

Tgt Ion: 95 Resp: 128584
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.0
176 86.1 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.432 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY020912.D

Acq: 23 Jan 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

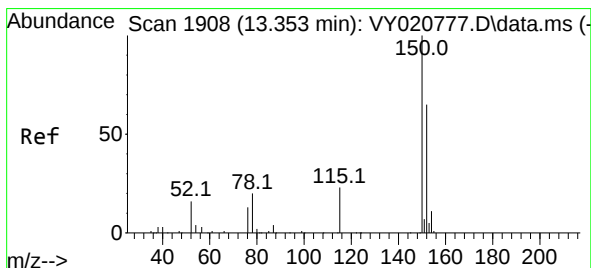
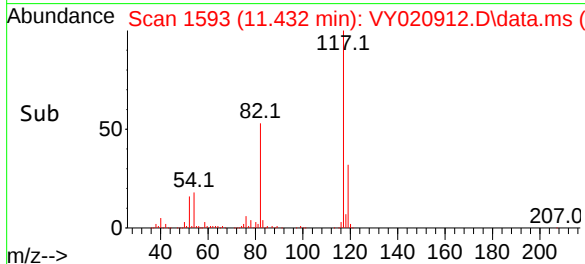
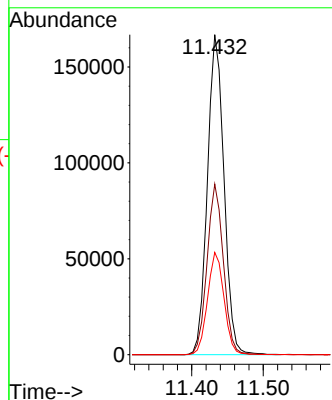
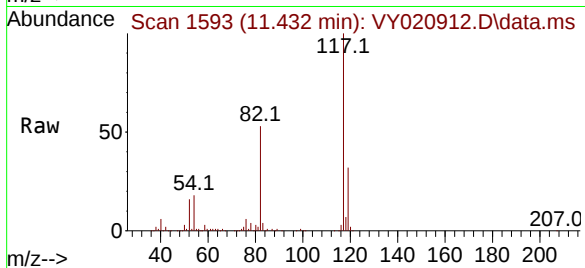
Tgt Ion:117 Resp: 268870

Ion Ratio Lower Upper

117 100

82 53.3 41.8 62.6

119 32.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.365 min Scan# 1910

Delta R.T. -0.006 min

Lab File: VY020912.D

Acq: 23 Jan 2025 13:53

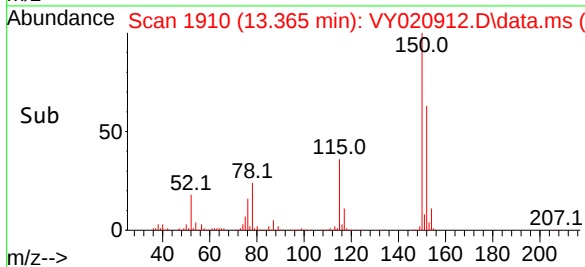
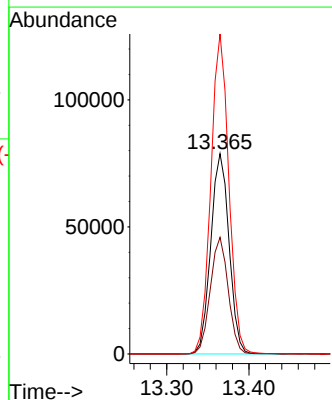
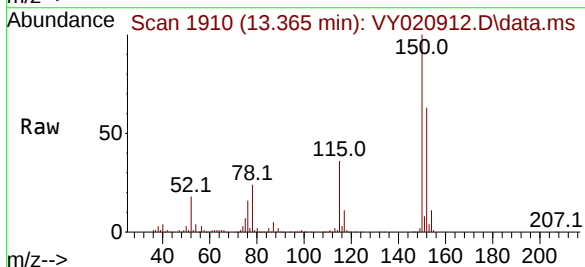
Tgt Ion:152 Resp: 121890

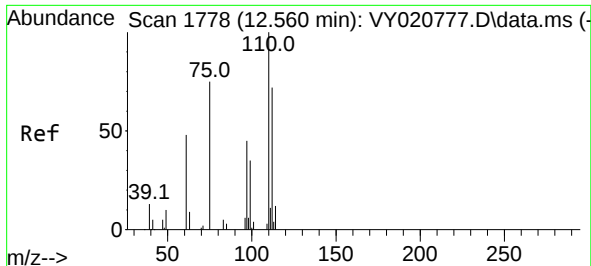
Ion Ratio Lower Upper

152 100

115 57.3 29.0 87.0

150 156.9 0.0 347.4

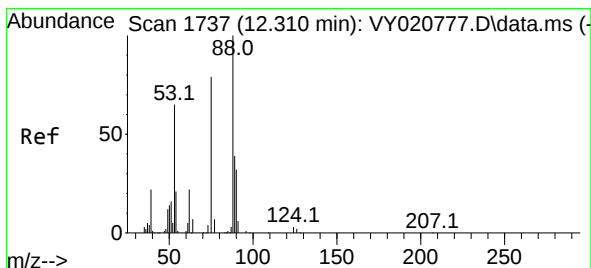
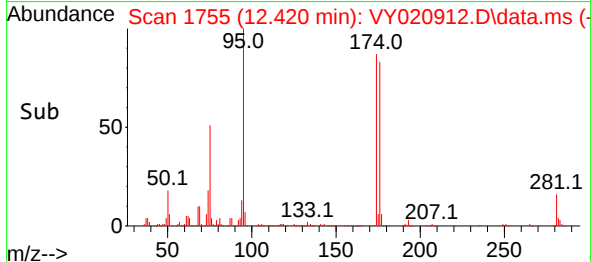
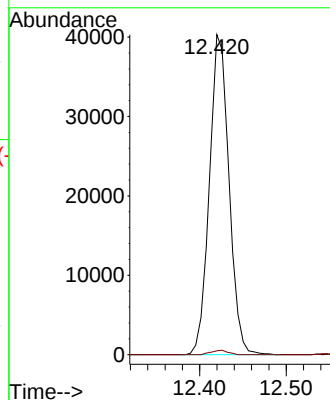
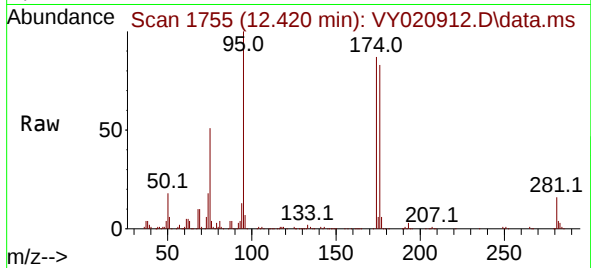




#76
1,2,3-Trichloropropane
Concen: 59.387 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. -0.158 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 63337
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.220 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.092 min
Lab File: VY020912.D
Acq: 23 Jan 2025 13:53

Tgt Ion: 75 Resp: 63337
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.1 39.6 59.4#

