

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020846.D
 Acq On : 17 Jan 2025 11:39
 Operator : SY/MD
 Sample : Q1098-01
 Misc : 4.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:23:16 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)

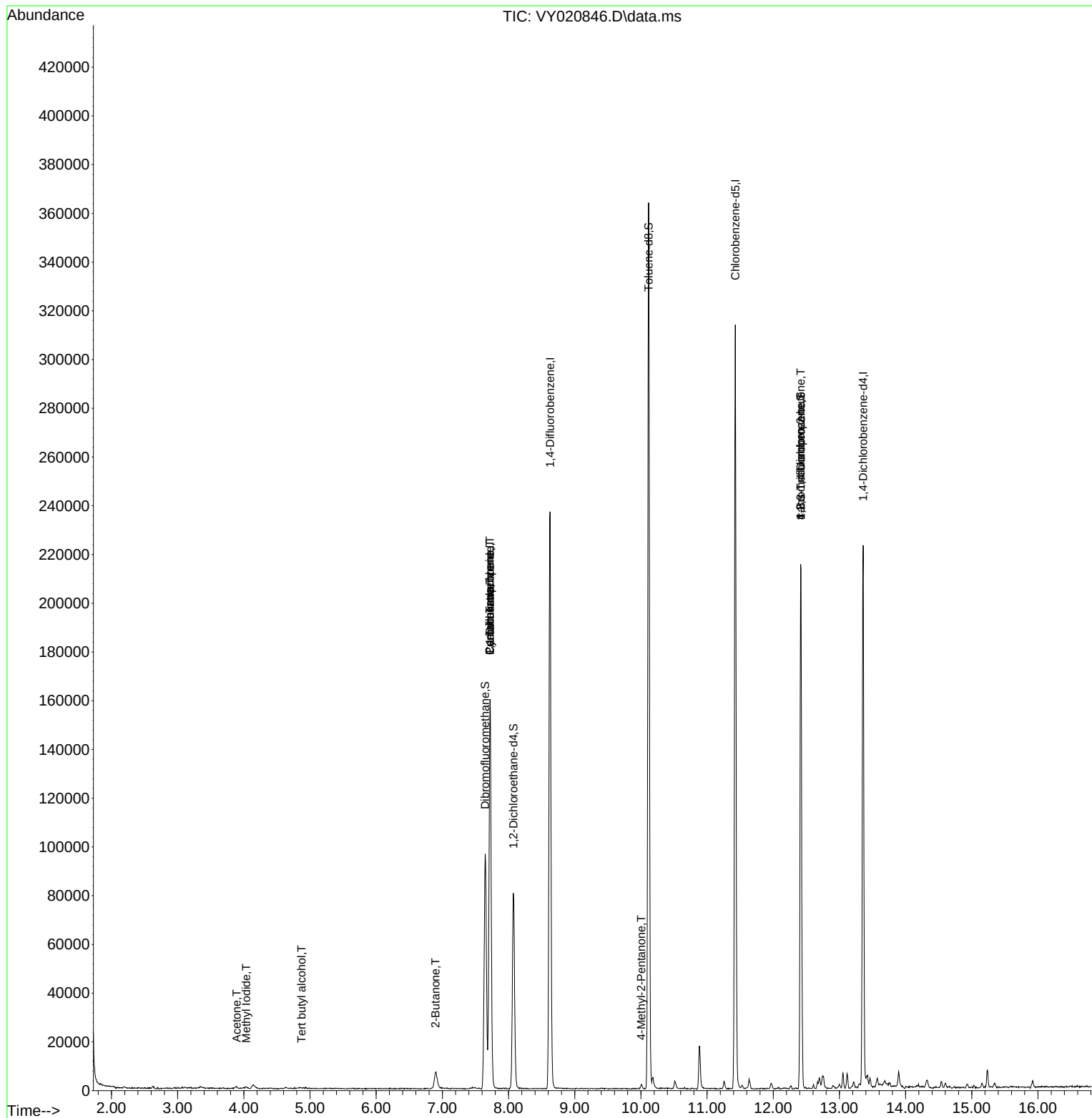
Internal Standards						
1) Pentafluorobenzene	7.719	168	131068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	217941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	174376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	61562	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	66367	59.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.140%	
35) Dibromofluoromethane	7.646	113	70676	51.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.520%	
50) Toluene-d8	10.115	98	244678	51.406	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.820%	
62) 4-Bromofluorobenzene	12.414	95	67992	38.683	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 77.360%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.037	142	1275	1.020	ug/l #	83
11) Tert butyl alcohol	4.872	59	764	9.076	ug/l #	73
16) Acetone	3.891	43	1218	7.689	ug/l	94
25) 2-Butanone	6.896	43	286	1.099	ug/l #	45
31) Cyclohexane	7.719	56	2179	1.344	ug/l #	1
36) 1,1-Dichloropropene	7.719	75	8862	5.089	ug/l #	51
38) Carbon Tetrachloride	7.719	117	12364	5.100	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	1171	1.663	ug/l	87
76) 1,2,3-Trichloropropane	12.414	75	33481	62.157	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	33481	131.060	ug/l #	14

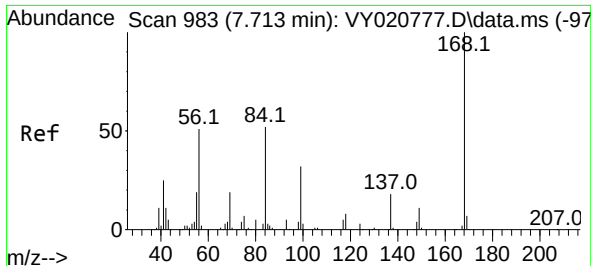
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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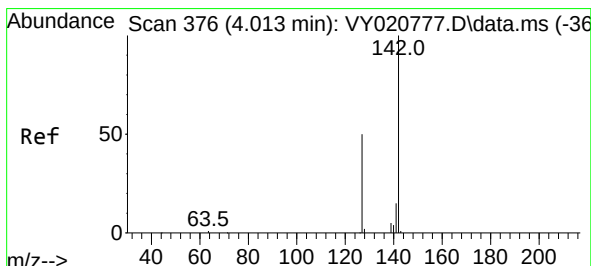
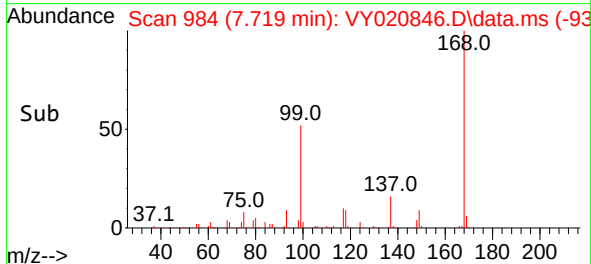
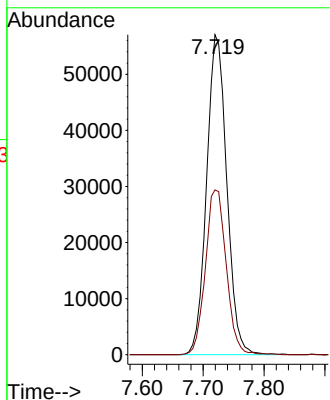
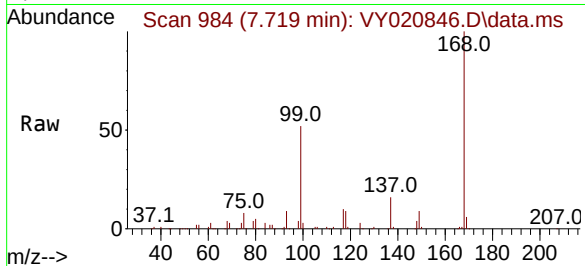




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

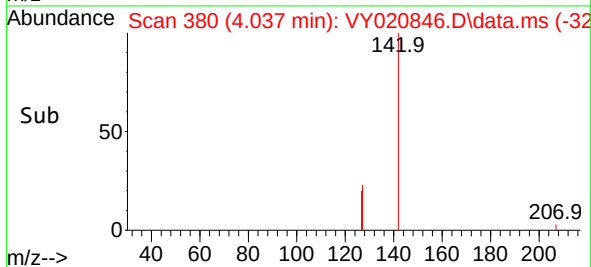
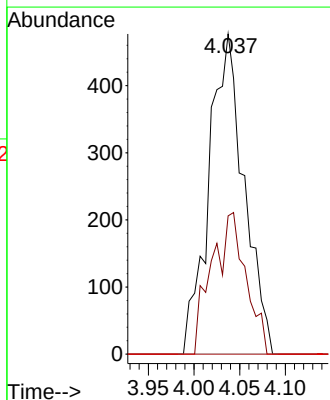
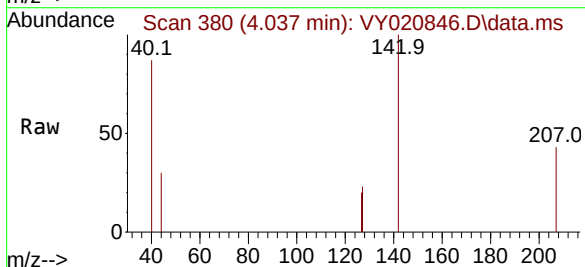
Instrument :
MSVOA_Y
ClientSampleId :

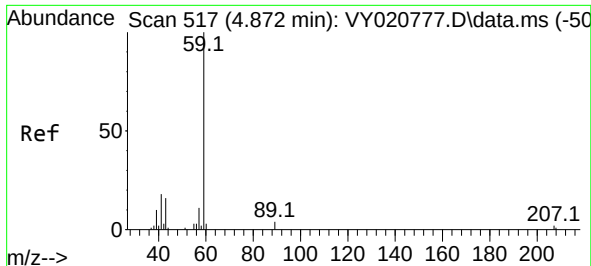
Tgt Ion:168 Resp: 131068
Ion Ratio Lower Upper
168 100
99 51.5 44.3 66.5



#10
Methyl Iodide
Concen: 1.020 ug/l
RT: 4.037 min Scan# 380
Delta R.T. 0.024 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Tgt Ion:142 Resp: 1275
Ion Ratio Lower Upper
142 100
127 43.1 41.0 61.6
141 0.0 11.6 17.4#





#11

Tert butyl alcohol

Concen: 9.076 ug/l

RT: 4.872 min Scan# 517

Delta R.T. 0.000 min

Lab File: VY020846.D

Acq: 17 Jan 2025 11:39

Instrument :

MSVOA_Y

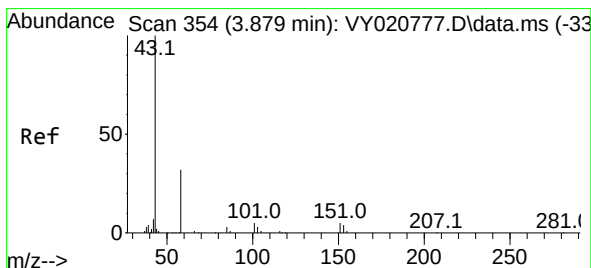
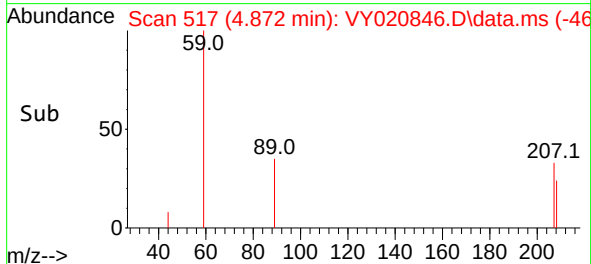
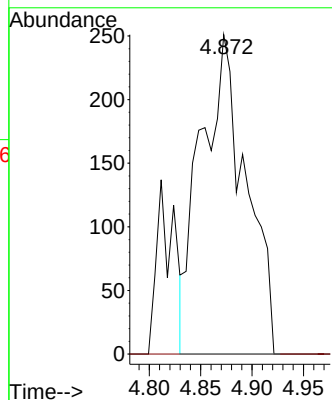
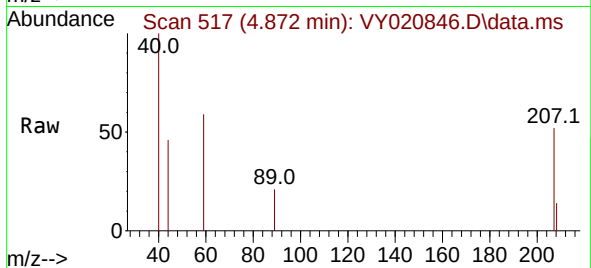
ClientSampleId :

Tgt Ion: 59 Resp: 764

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#16

Acetone

Concen: 7.689 ug/l

RT: 3.891 min Scan# 356

Delta R.T. 0.012 min

Lab File: VY020846.D

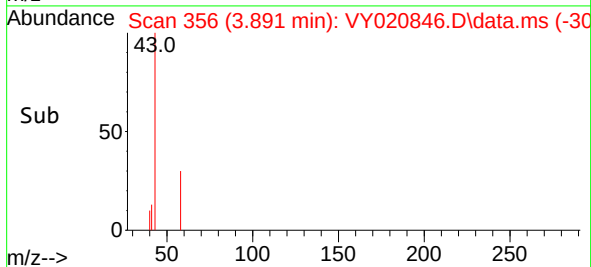
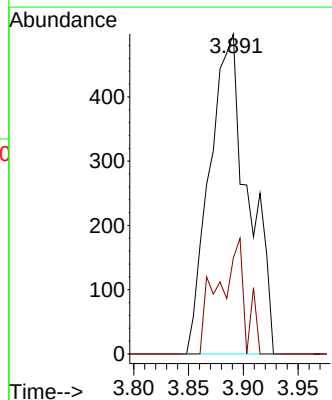
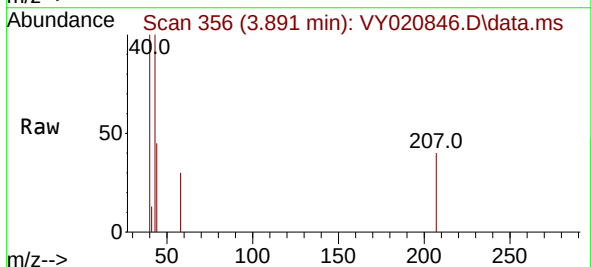
Acq: 17 Jan 2025 11:39

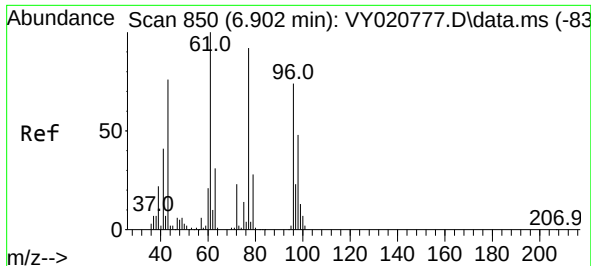
Tgt Ion: 43 Resp: 1218

Ion Ratio Lower Upper

43 100

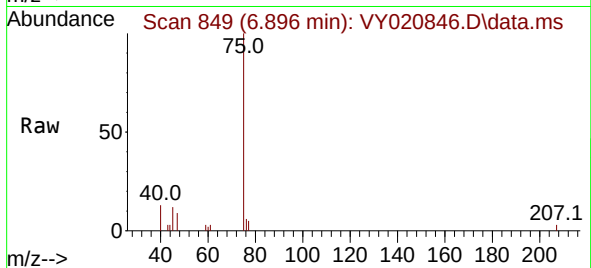
58 29.9 26.7 40.1



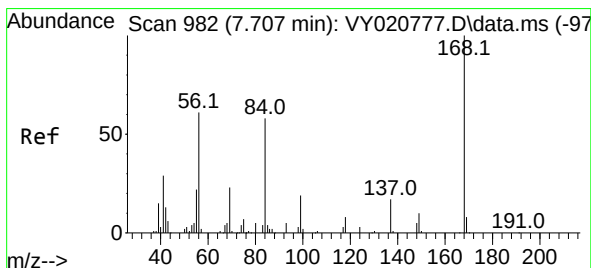
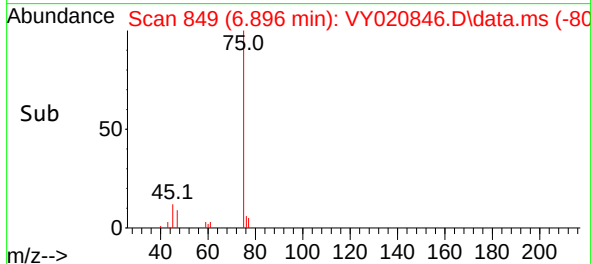
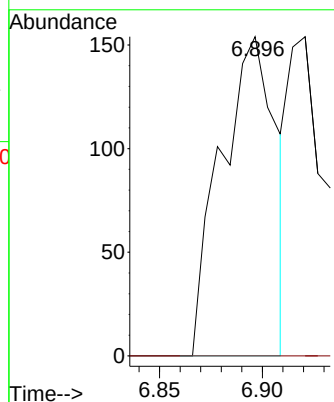


#25
2-Butanone
Concen: 1.099 ug/l
RT: 6.896 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :

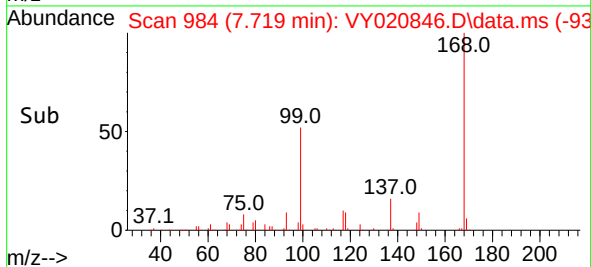
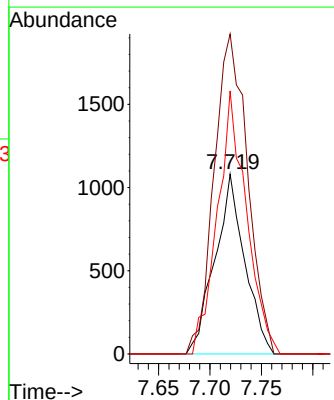
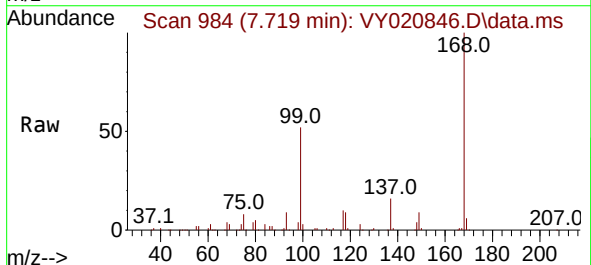


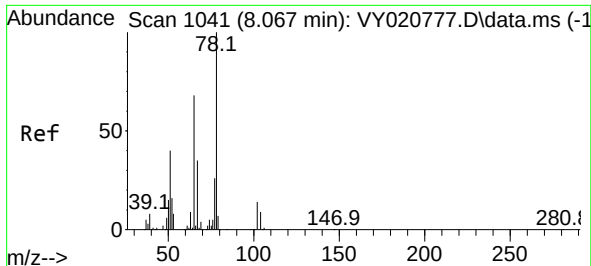
Tgt Ion: 43 Resp: 286
Ion Ratio Lower Upper
43 100
72 0.0 24.0 36.0#



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Tgt Ion: 56 Resp: 2179
Ion Ratio Lower Upper
56 100
69 177.9 30.5 45.7#
84 146.3 76.6 115.0#





#33

1,2-Dichloroethane-d4

Concen: 59.574 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY020846.D

Acq: 17 Jan 2025 11:39

Instrument :

MSVOA_Y

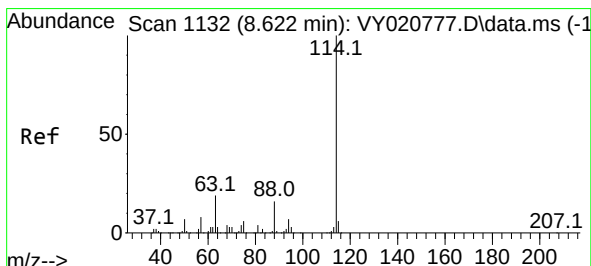
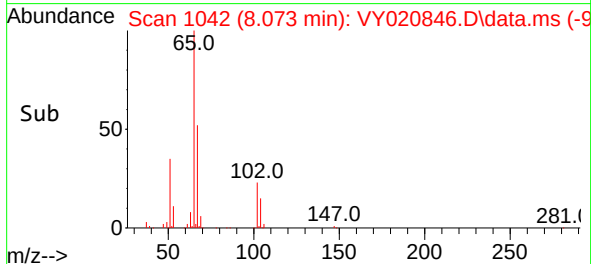
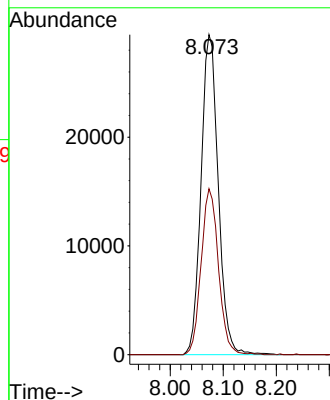
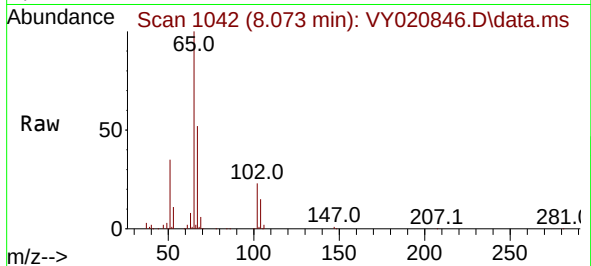
ClientSampleId :

Tgt Ion: 65 Resp: 66367

Ion Ratio Lower Upper

65 100

67 52.3 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: VY020846.D

Acq: 17 Jan 2025 11:39

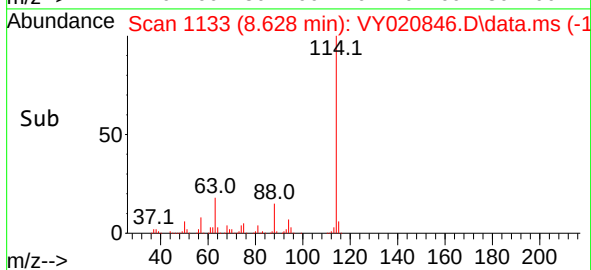
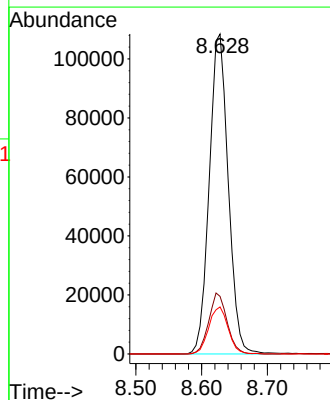
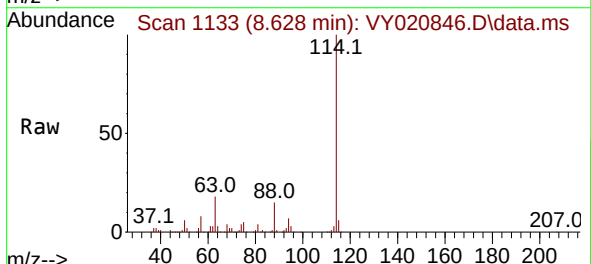
Tgt Ion: 114 Resp: 217941

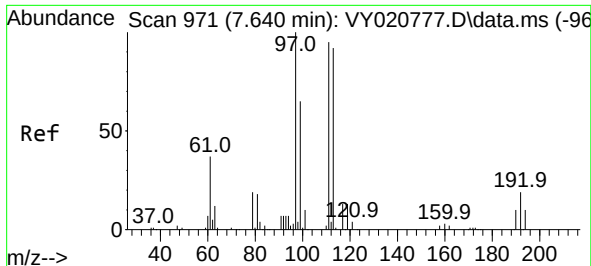
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

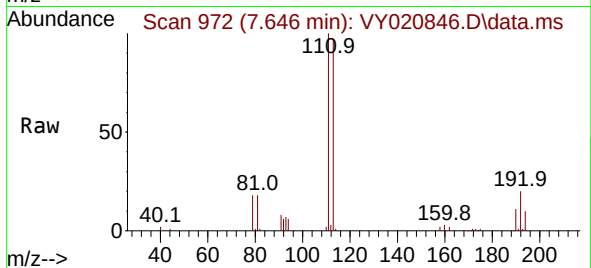
88 14.7 0.0 31.2



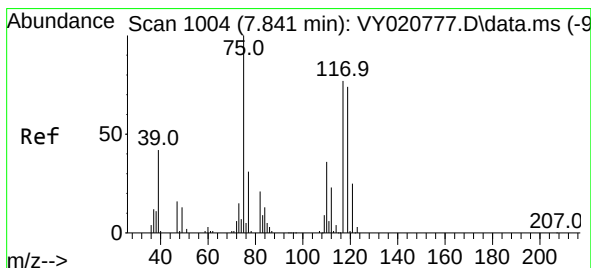
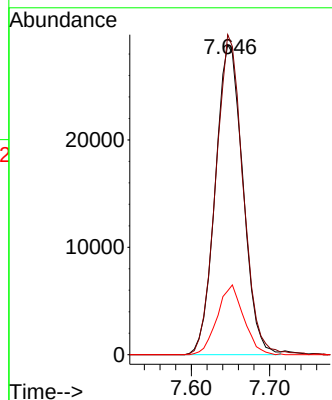
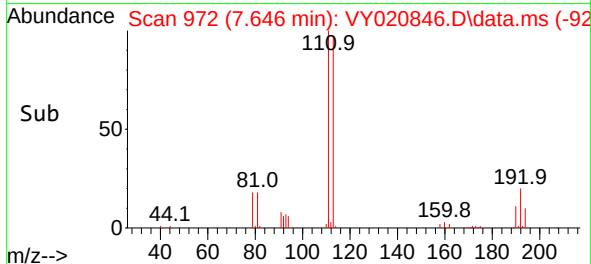


#35
Dibromofluoromethane
Concen: 51.763 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :

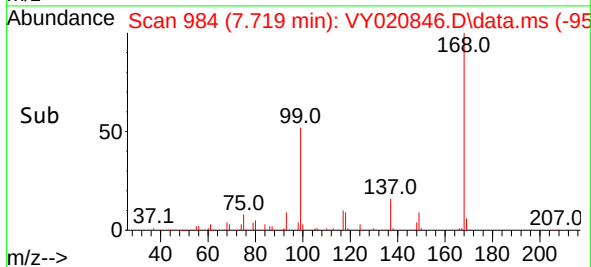
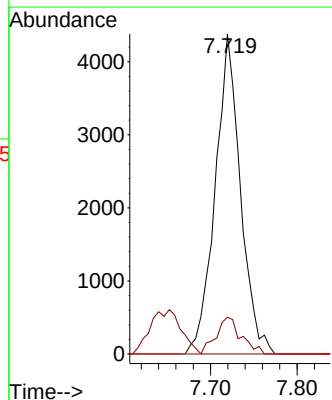
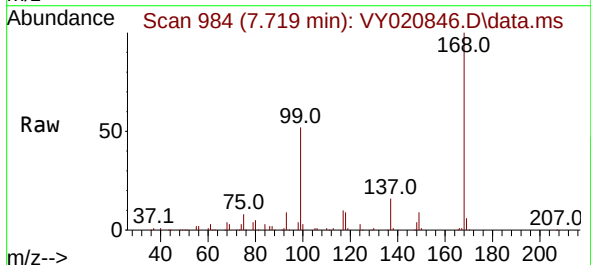


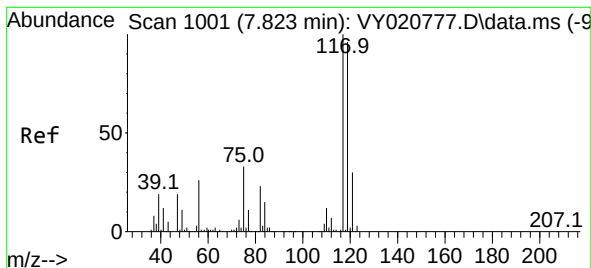
Tgt Ion:113 Resp: 70676
Ion Ratio Lower Upper
113 100
111 101.8 81.7 122.5
192 21.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.089 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Tgt Ion: 75 Resp: 8862
Ion Ratio Lower Upper
75 100
110 11.3 18.5 55.5#
77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.100 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY020846.D

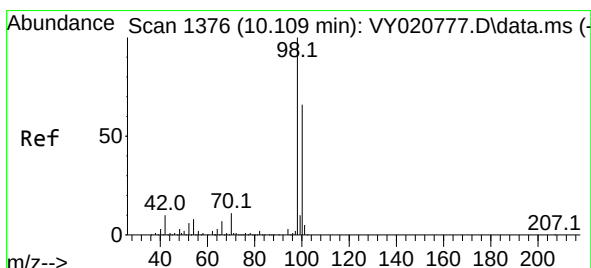
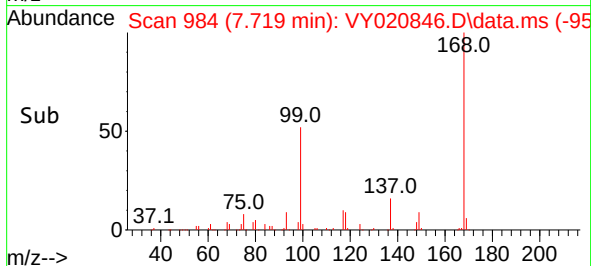
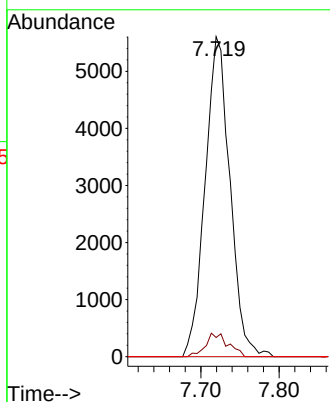
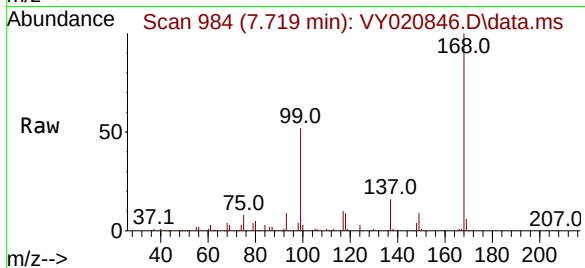
Acq: 17 Jan 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	12364
Ion Ratio	Lower	Upper
117	100	
119	6.0	76.5 114.7#
121	0.0	24.3 36.5#



#50

Toluene-d8

Concen: 51.406 ug/l

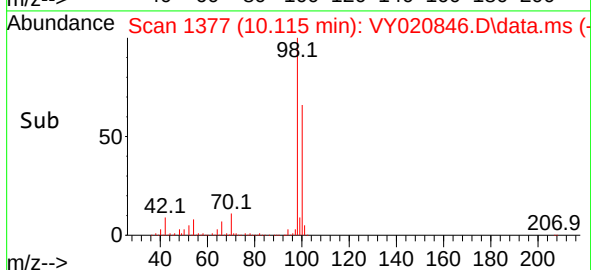
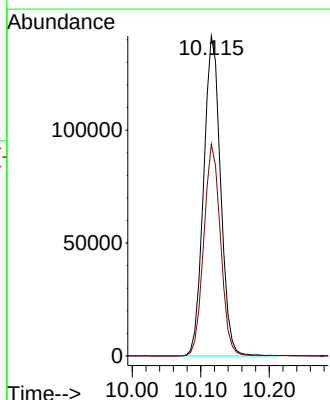
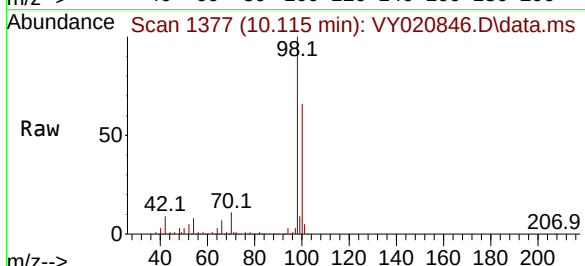
RT: 10.115 min Scan# 1377

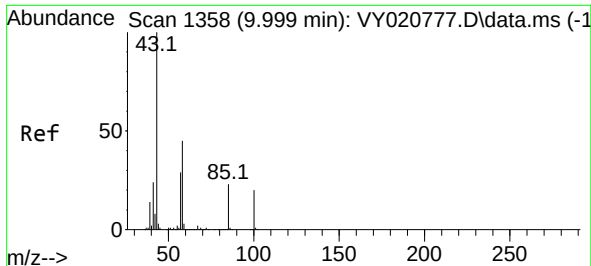
Delta R.T. 0.006 min

Lab File: VY020846.D

Acq: 17 Jan 2025 11:39

Tgt Ion: 98	Resp:	244678
Ion Ratio	Lower	Upper
98	100	
100	65.4	52.5 78.7

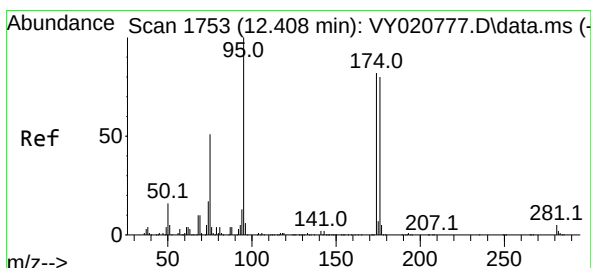
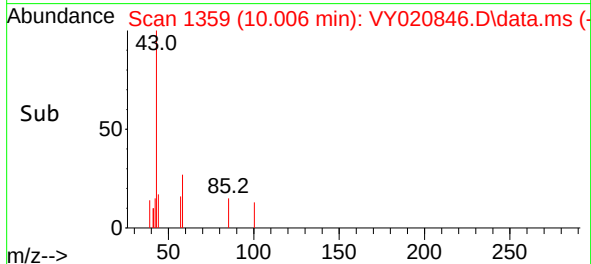
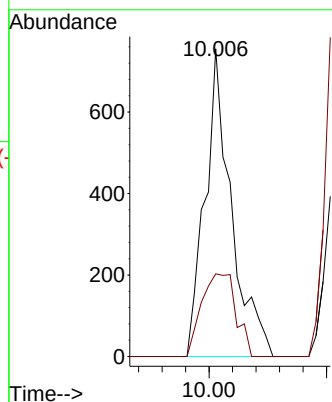
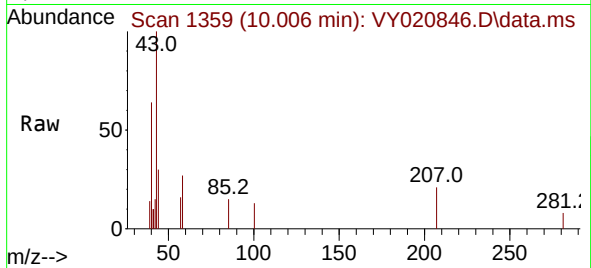




#51
4-Methyl-2-Pentanone
Concen: 1.663 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.006 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

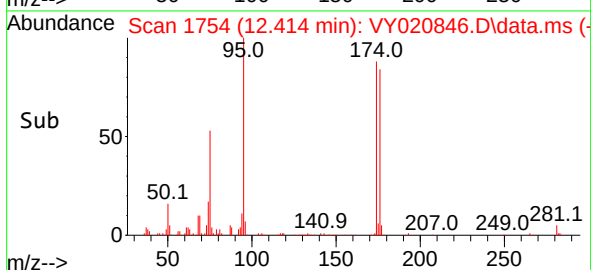
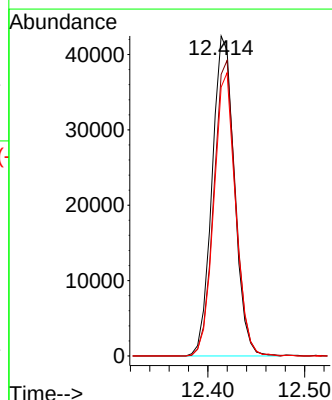
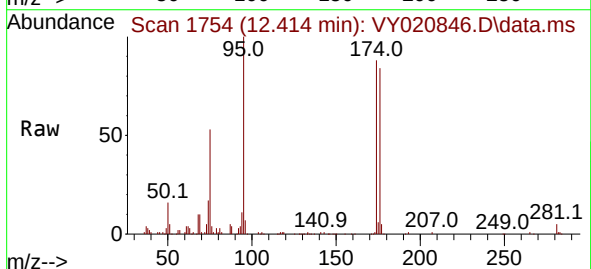
Instrument :
MSVOA_Y
ClientSampleId :

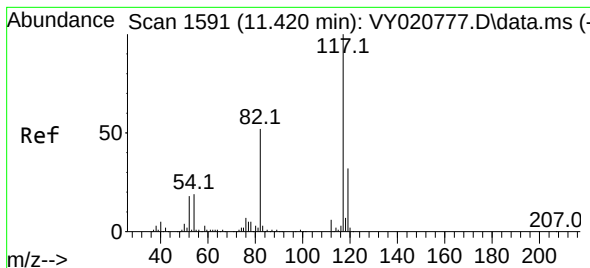
Tgt Ion: 43 Resp: 1171
Ion Ratio Lower Upper
43 100
58 35.2 34.8 52.2



#62
4-Bromofluorobenzene
Concen: 38.683 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Tgt Ion: 95 Resp: 67992
Ion Ratio Lower Upper
95 100
174 90.4 0.0 178.0
176 86.2 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY020846.D

Acq: 17 Jan 2025 11:39

Instrument :

MSVOA_Y

ClientSampleId :

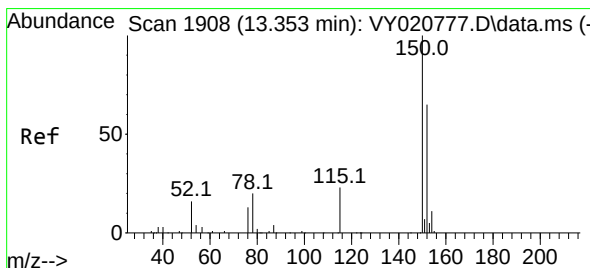
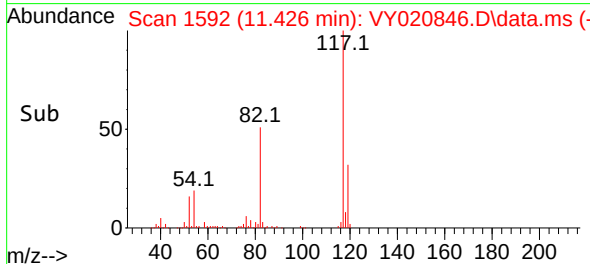
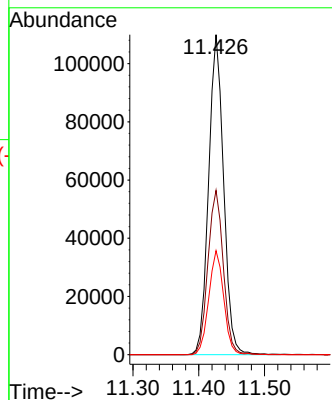
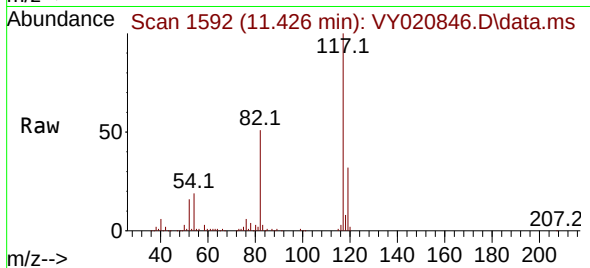
Tgt Ion:117 Resp: 174376

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.6

119 32.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY020846.D

Acq: 17 Jan 2025 11:39

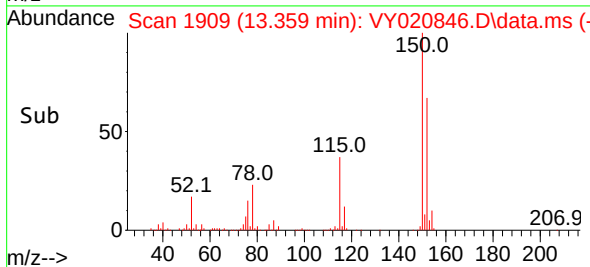
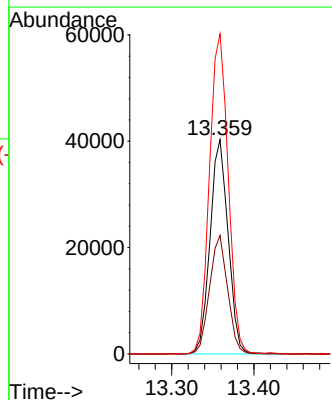
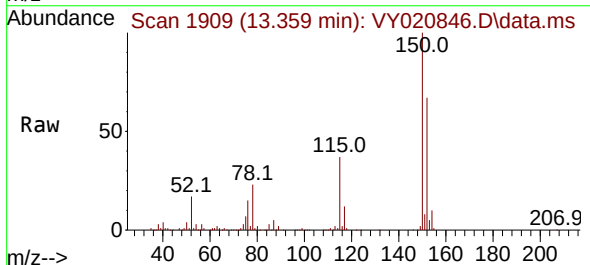
Tgt Ion:152 Resp: 61562

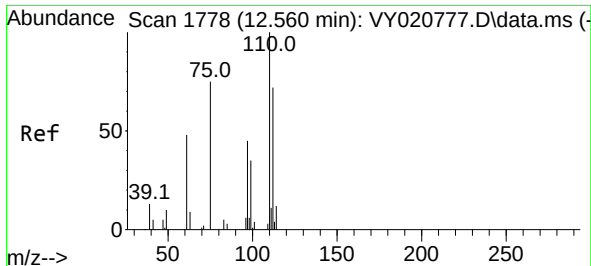
Ion Ratio Lower Upper

152 100

115 55.4 29.0 87.0

150 154.4 0.0 347.4

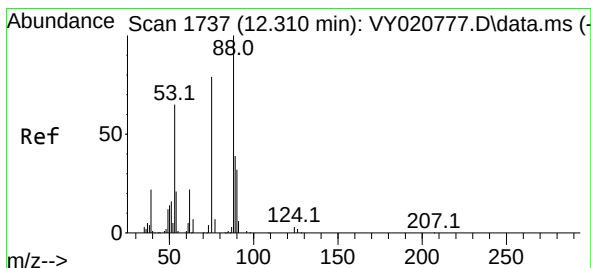
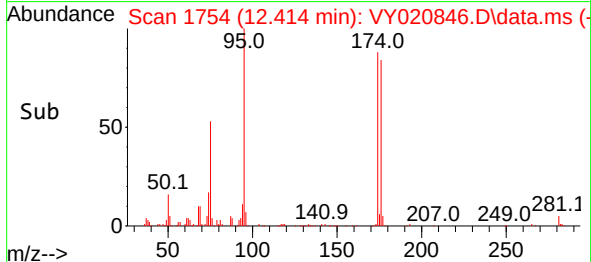
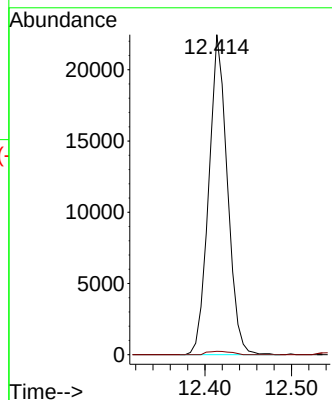
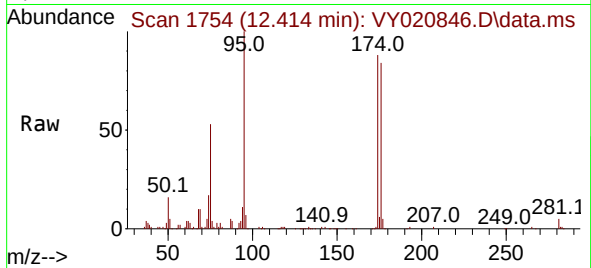




#76
1,2,3-Trichloropropane
Concen: 62.157 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 33481
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.060 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020846.D
Acq: 17 Jan 2025 11:39

Tgt Ion: 75 Resp: 33481
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.0 39.6 59.4#

