

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011725\
 Data File : VY020859.D
 Acq On : 17 Jan 2025 16:44
 Operator : SY/MD
 Sample : Q1115-03RE
 Misc : 3.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 23:28:15 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)

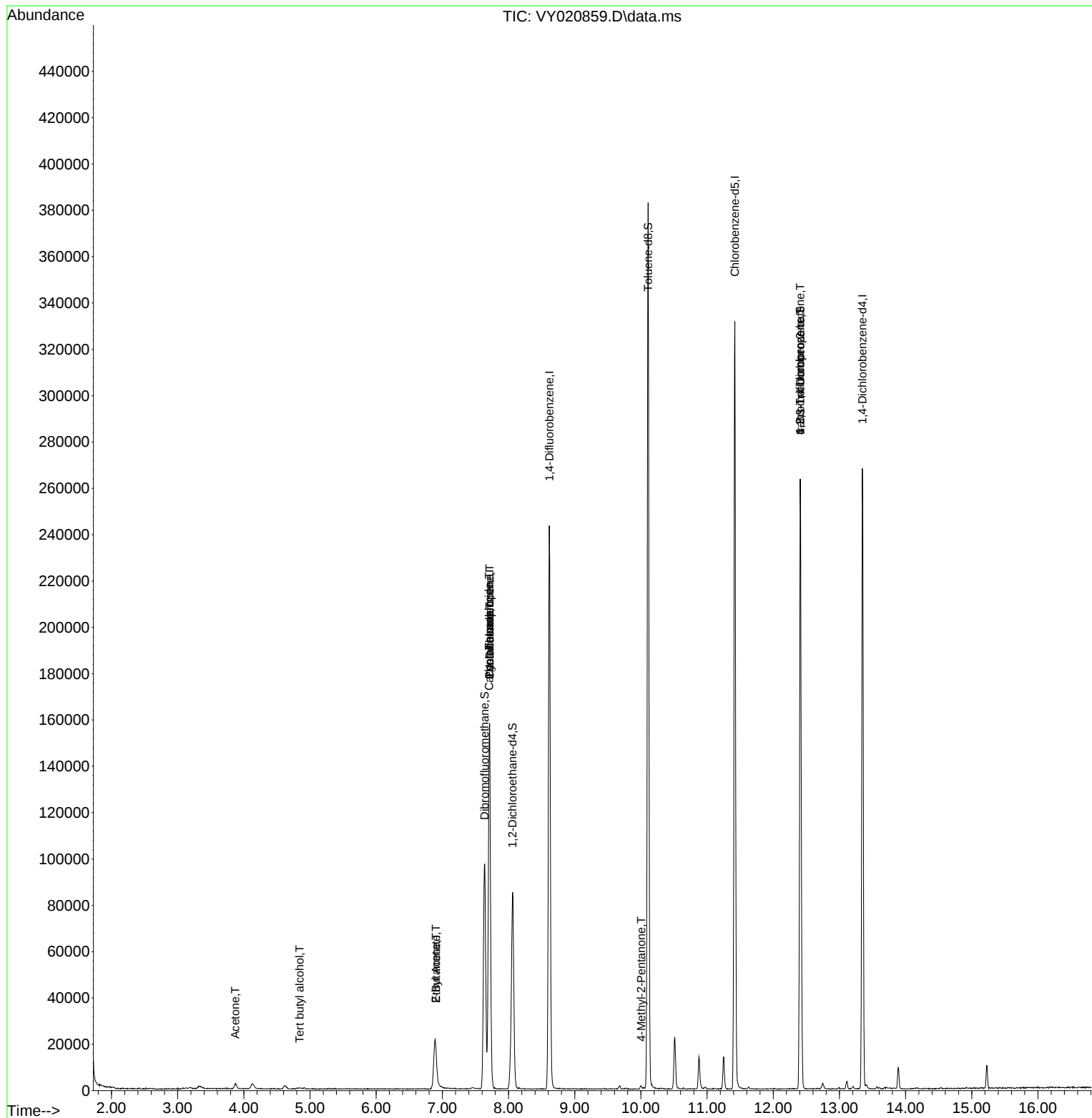
Internal Standards						
1) Pentafluorobenzene	7.713	168	129550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	217636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	187828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	73847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	61856	56.175	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.340%	
35) Dibromofluoromethane	7.640	113	71424	52.384	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.760%	
50) Toluene-d8	10.109	98	253225	53.276	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.560%	
62) 4-Bromofluorobenzene	12.408	95	74956	42.704	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 85.400%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.842	59	349	4.194	ug/l #	73
16) Acetone	3.873	43	3757	23.994	ug/l	95
25) 2-Butanone	6.903	43	1707	6.636	ug/l #	70
31) Cyclohexane	7.713	56	2154	1.344	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	9090	5.227	ug/l #	49
37) Ethyl Acetate	6.903	43	1707	2.466	ug/l #	14
38) Carbon Tetrachloride	7.707	117	12381	5.114	ug/l #	17
51) 4-Methyl-2-Pentanone	10.006	43	1081	1.537	ug/l	97
76) 1,2,3-Trichloropropane	12.408	75	37473	57.995	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	37473	122.284	ug/l #	14

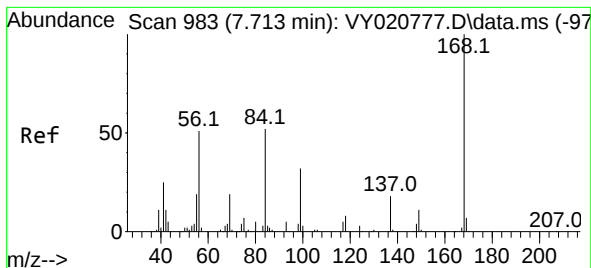
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 07 01:31:46 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

Instrument :

MSVOA_Y

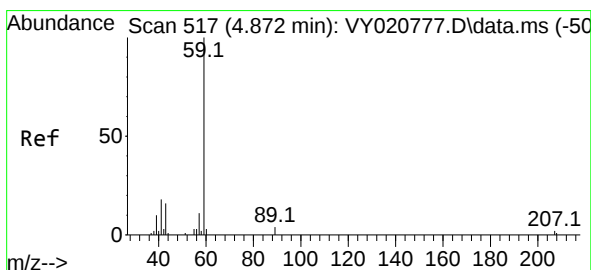
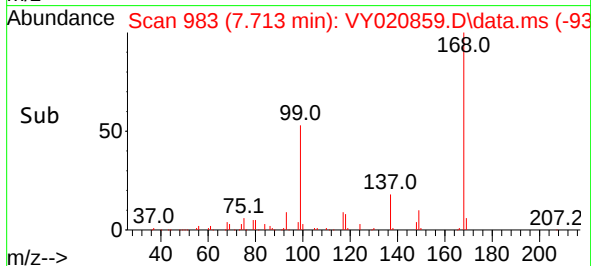
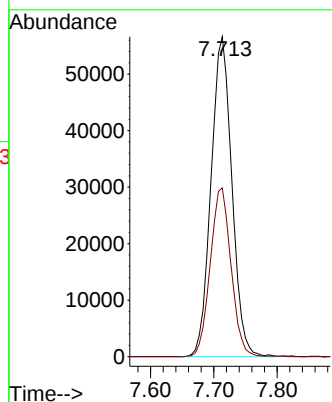
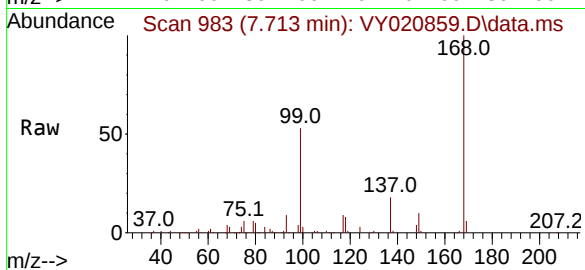
ClientSampleId :

Tgt Ion:168 Resp: 129550

Ion Ratio Lower Upper

168 100

99 52.8 44.3 66.5



#11

Tert butyl alcohol

Concen: 4.194 ug/l

RT: 4.842 min Scan# 512

Delta R.T. -0.030 min

Lab File: VY020859.D

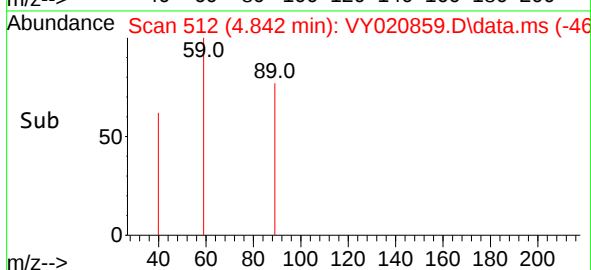
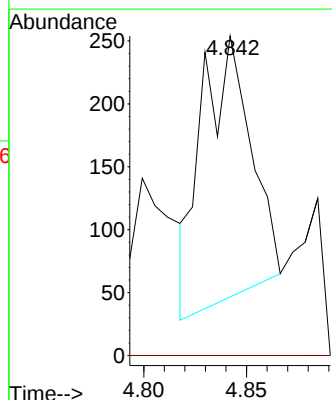
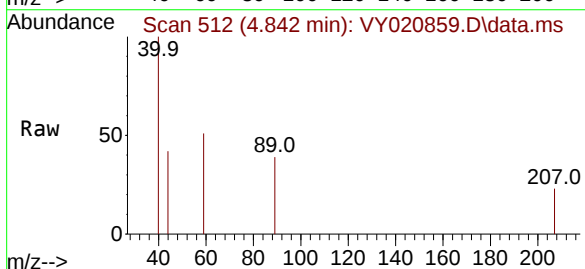
Acq: 17 Jan 2025 16:44

Tgt Ion: 59 Resp: 349

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#

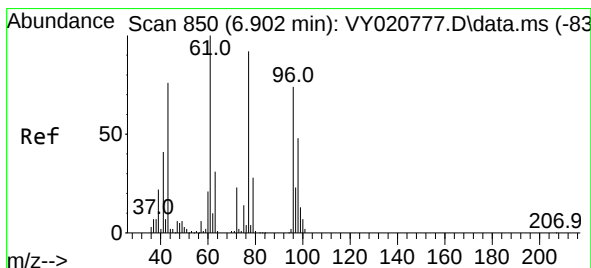
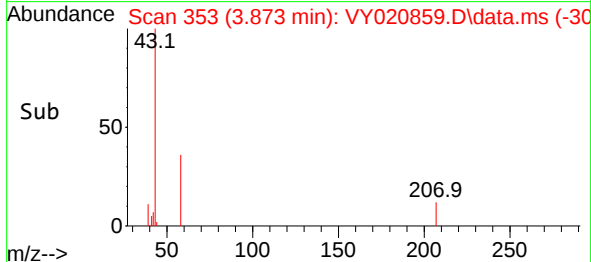
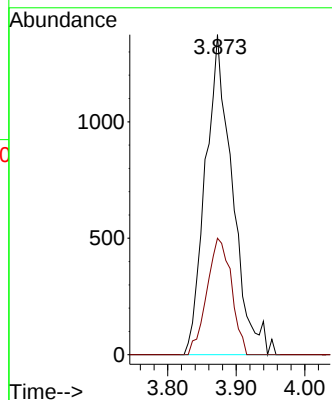
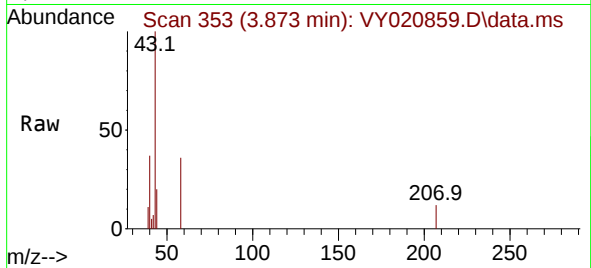




#16
Acetone
Concen: 23.994 ug/l
RT: 3.873 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY020859.D
Acq: 17 Jan 2025 16:44

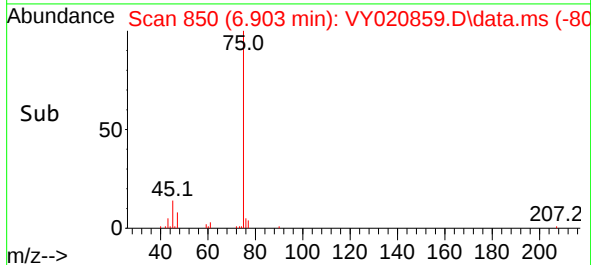
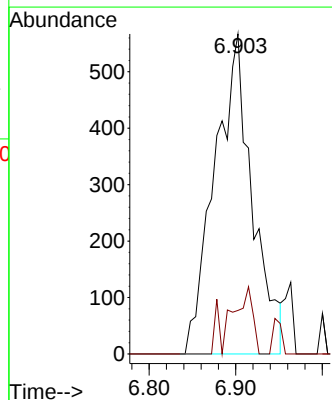
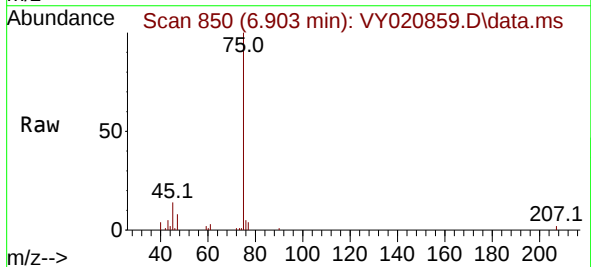
Instrument :
MSVOA_Y
ClientSampleId :

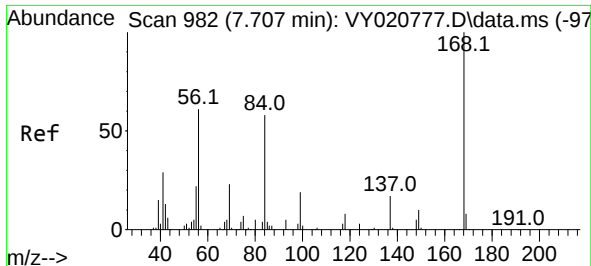
Tgt Ion: 43 Resp: 3757
Ion Ratio Lower Upper
43 100
58 36.4 26.7 40.1



#25
2-Butanone
Concen: 6.636 ug/l
RT: 6.903 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY020859.D
Acq: 17 Jan 2025 16:44

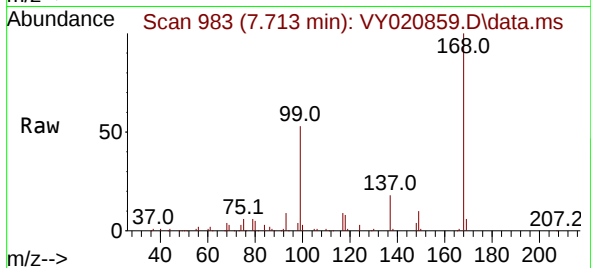
Tgt Ion: 43 Resp: 1707
Ion Ratio Lower Upper
43 100
72 13.6 24.0 36.0#



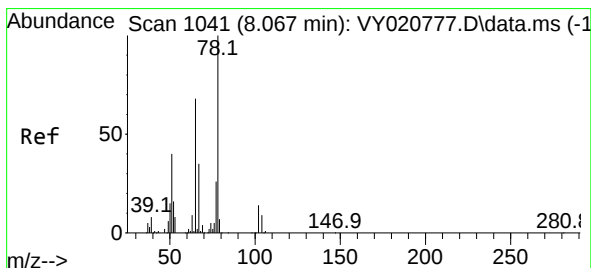
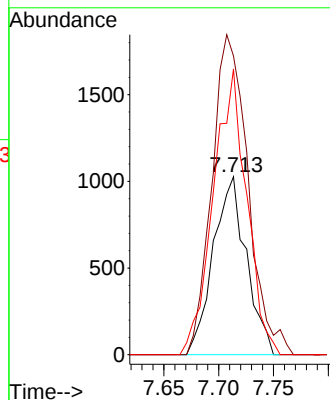
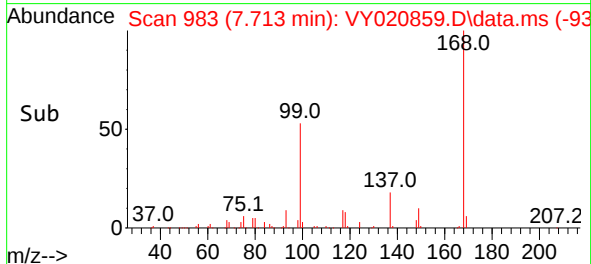


#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020859.D
Acq: 17 Jan 2025 16:44

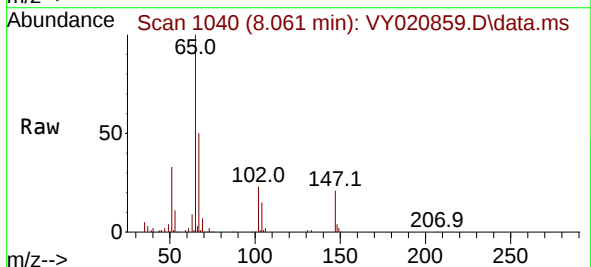
Instrument :
MSVOA_Y
ClientSampleId :



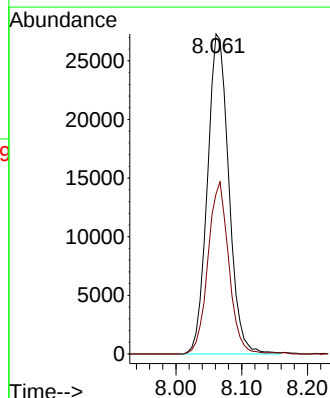
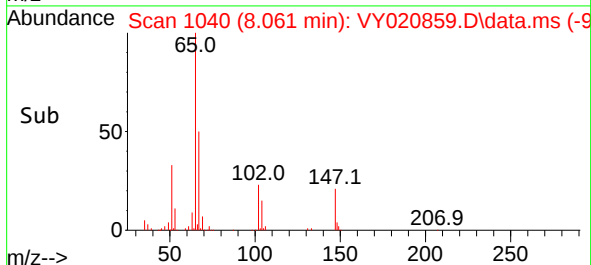
Tgt Ion: 56 Resp: 2154
Ion Ratio Lower Upper
56 100
69 167.8 30.5 45.7#
84 160.6 76.6 115.0#

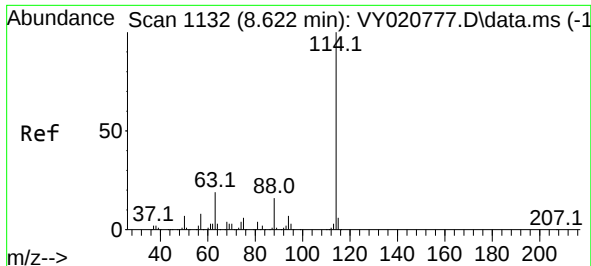


#33
1,2-Dichloroethane-d4
Concen: 56.175 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY020859.D
Acq: 17 Jan 2025 16:44



Tgt Ion: 65 Resp: 61856
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

Instrument :

MSVOA_Y

ClientSampleId :

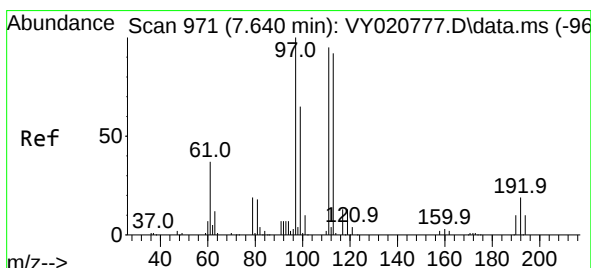
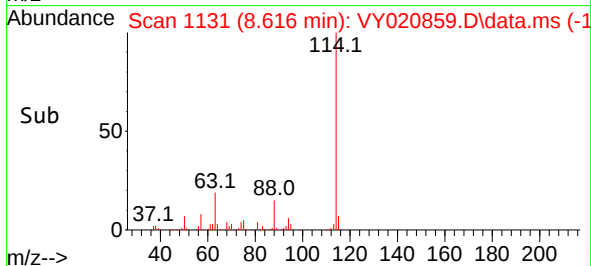
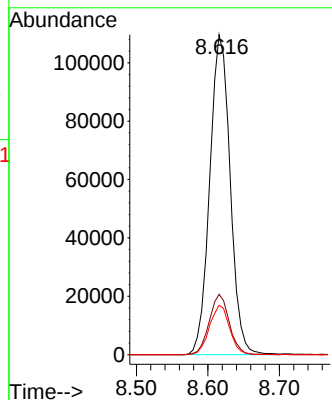
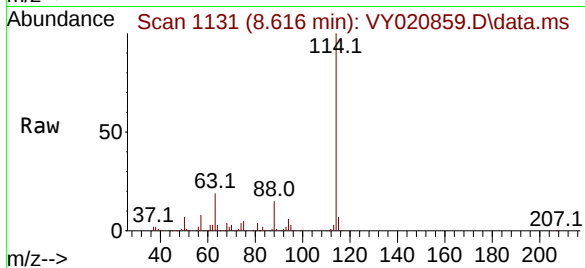
Tgt Ion:114 Resp: 217636

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.4

88 15.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 52.384 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.000 min

Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

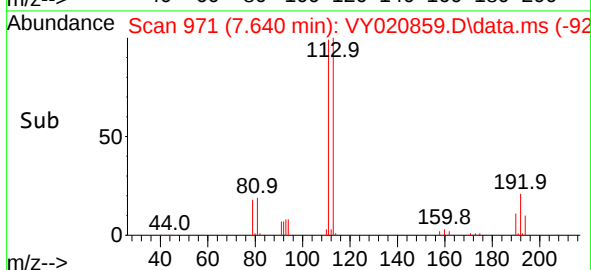
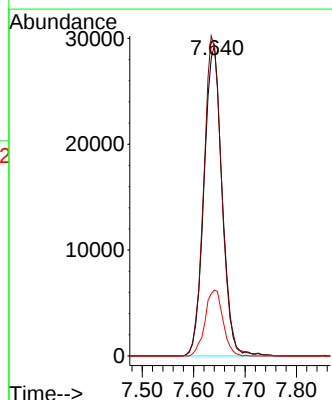
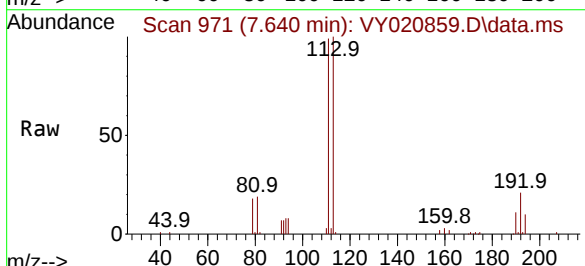
Tgt Ion:113 Resp: 71424

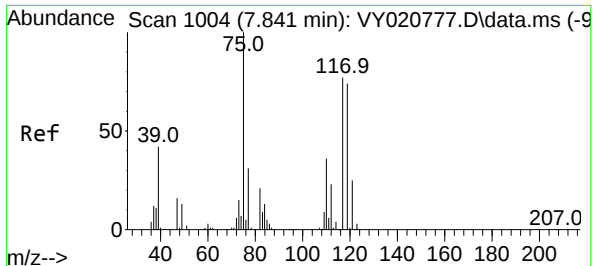
Ion Ratio Lower Upper

113 100

111 102.3 81.7 122.5

192 21.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.227 ug/l

RT: 7.713 min Scan# 90

Delta R.T. -0.128 min

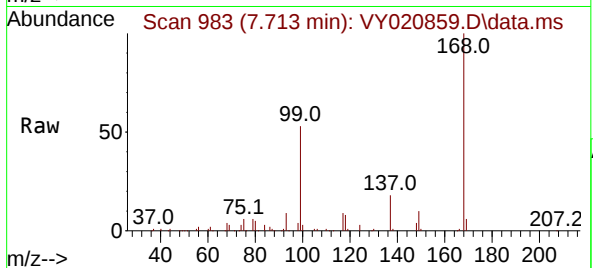
Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

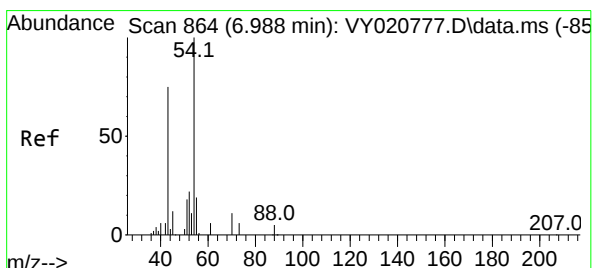
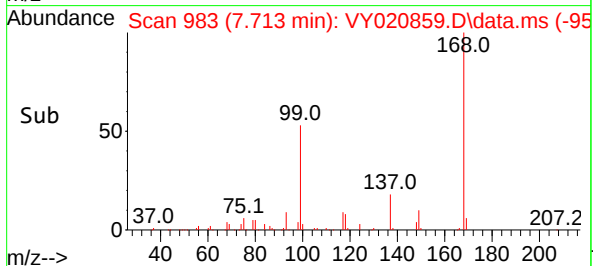
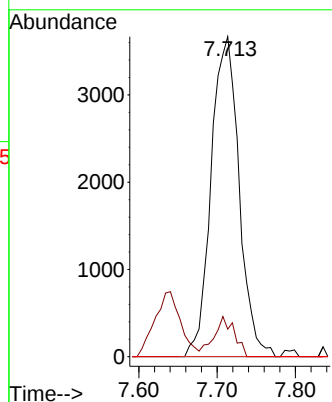
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	9090
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.5	55.5#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 2.466 ug/l

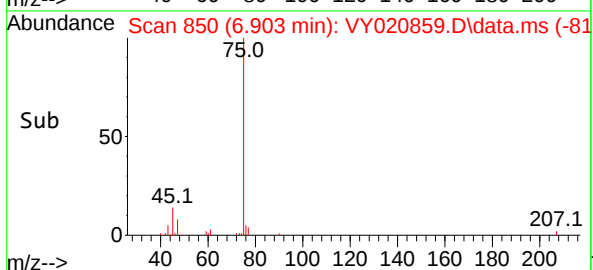
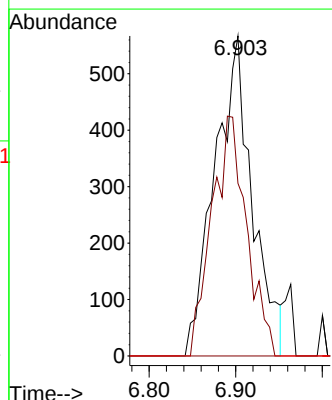
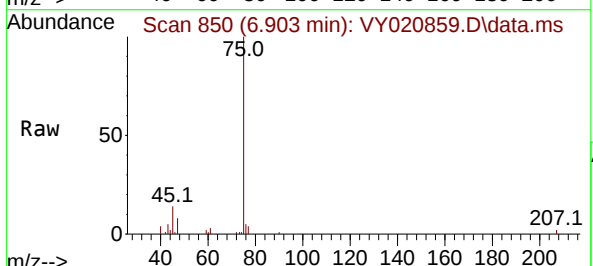
RT: 6.903 min Scan# 850

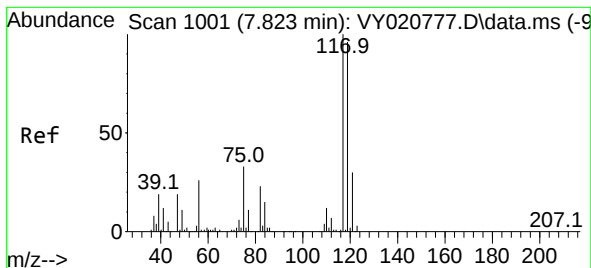
Delta R.T. -0.085 min

Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

Tgt Ion:	43	Resp:	1707
Ion	Ratio	Lower	Upper
43	100		
61	69.2	11.8	17.6#
70	0.0	9.8	14.8#





#38

Carbon Tetrachloride

Concen: 5.114 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.116 min

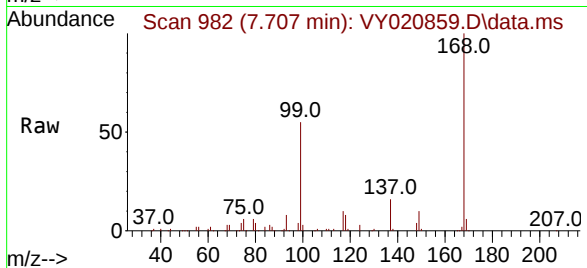
Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

Instrument :

MSVOA_Y

ClientSampleId :



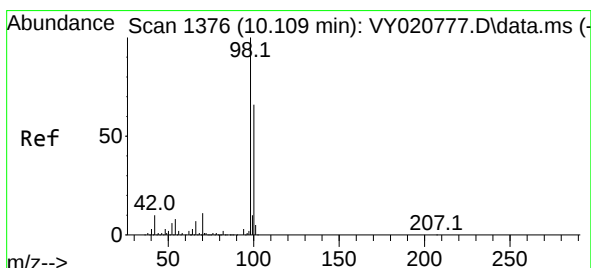
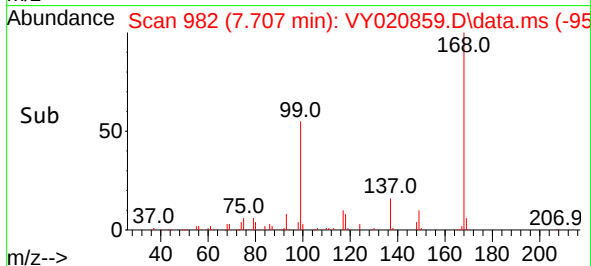
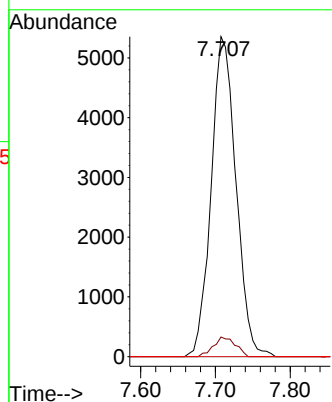
Tgt Ion:117 Resp: 12381

Ion Ratio Lower Upper

117 100

119 6.1 76.5 114.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 53.276 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY020859.D

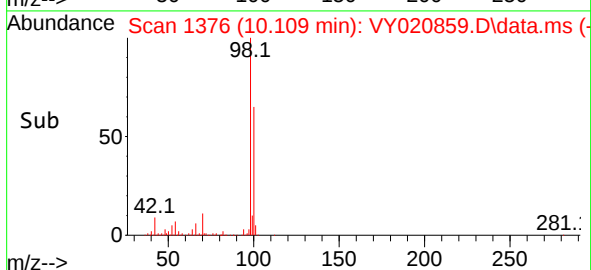
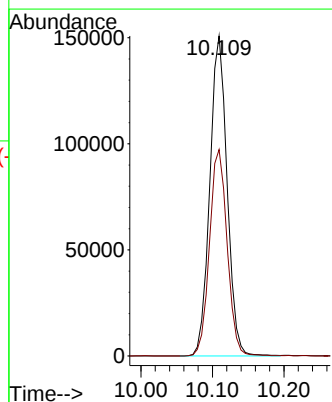
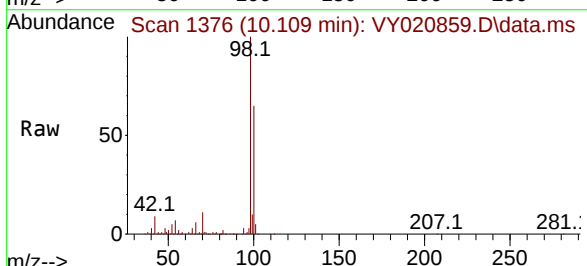
Acq: 17 Jan 2025 16:44

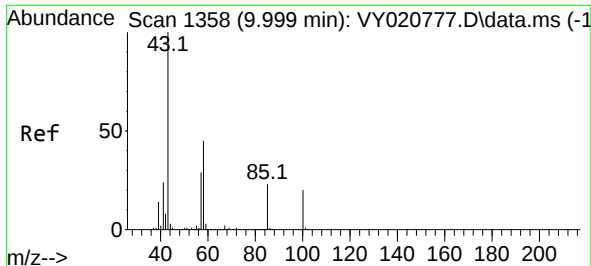
Tgt Ion: 98 Resp: 253225

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.537 ug/l

RT: 10.006 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

Instrument :

MSVOA_Y

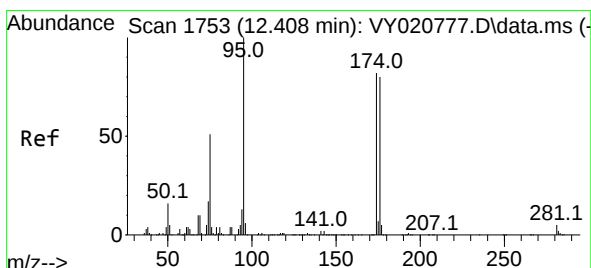
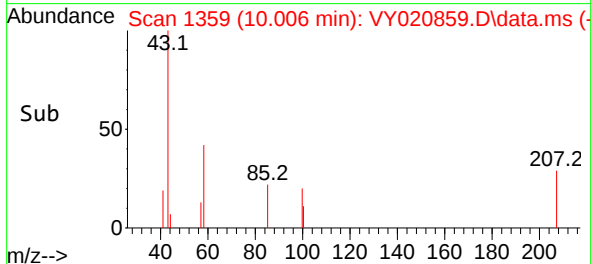
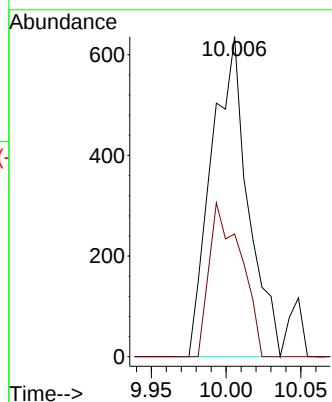
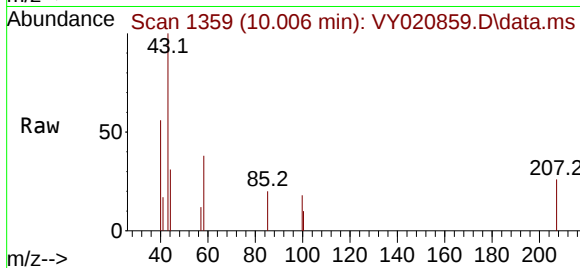
ClientSampleId :

Tgt Ion: 43 Resp: 1081

Ion Ratio Lower Upper

43 100

58 41.8 34.8 52.2



#62

4-Bromofluorobenzene

Concen: 42.704 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.000 min

Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

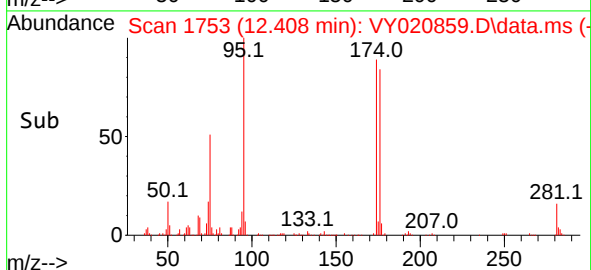
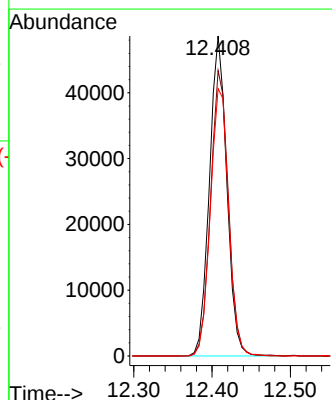
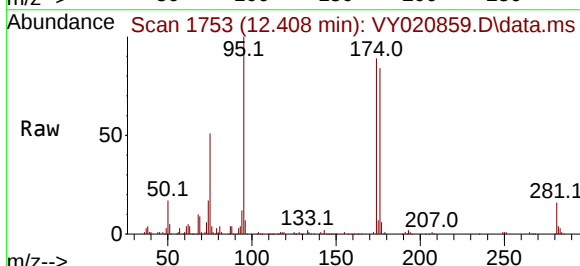
Tgt Ion: 95 Resp: 74956

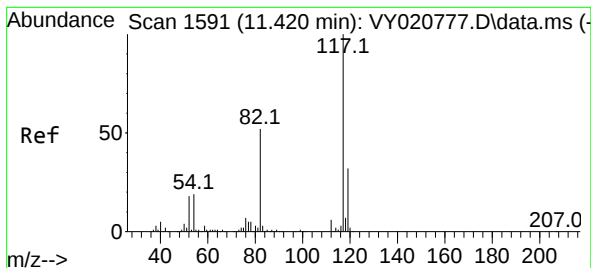
Ion Ratio Lower Upper

95 100

174 91.2 0.0 178.0

176 87.7 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

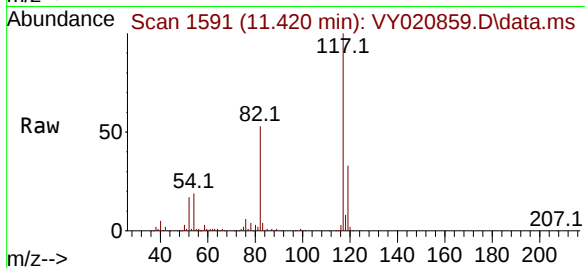
Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

Instrument :

MSVOA_Y

ClientSampleId :



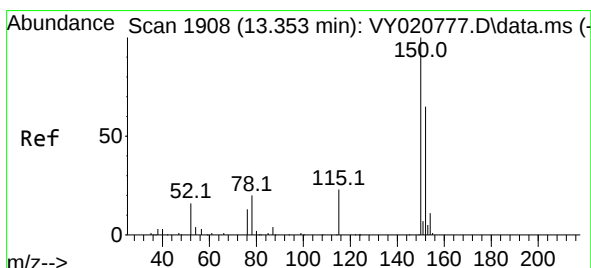
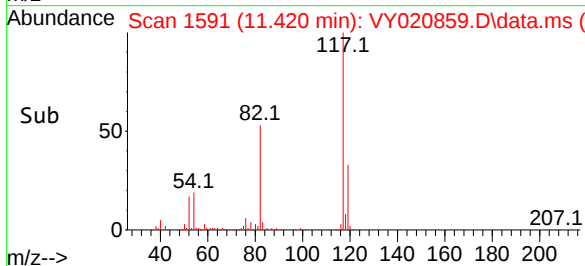
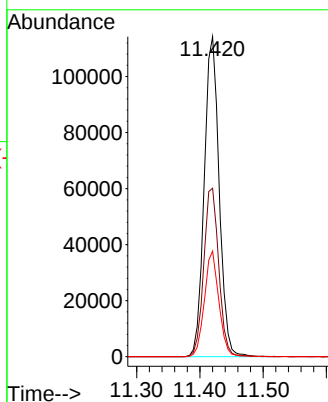
Tgt Ion:117 Resp: 187828

Ion Ratio Lower Upper

117 100

82 52.7 41.8 62.6

119 33.0 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY020859.D

Acq: 17 Jan 2025 16:44

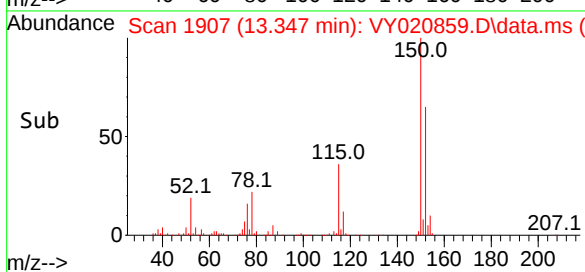
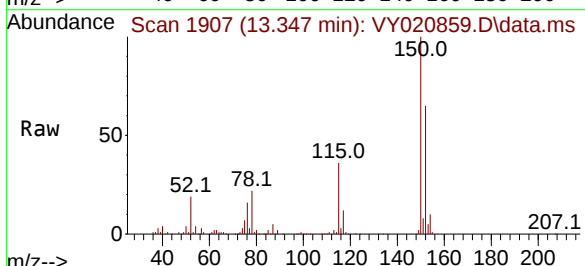
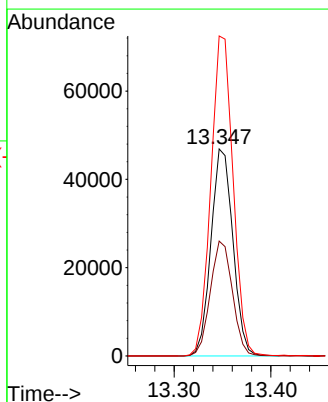
Tgt Ion:152 Resp: 73847

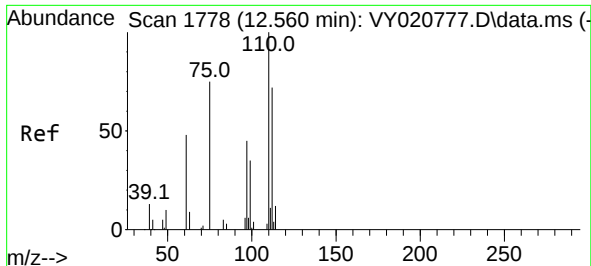
Ion Ratio Lower Upper

152 100

115 55.9 29.0 87.0

150 156.4 0.0 347.4

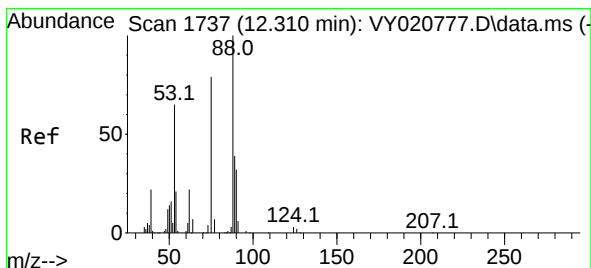
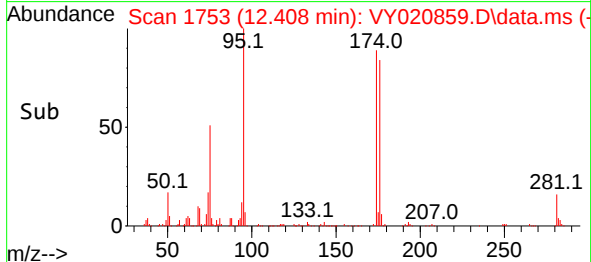
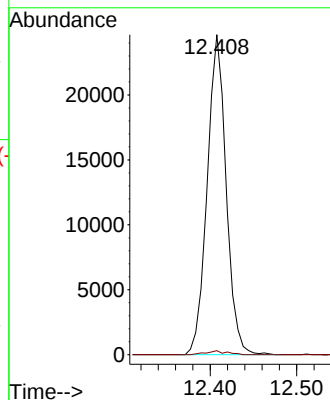
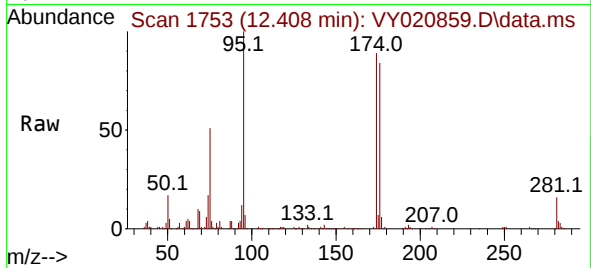




#76
1,2,3-Trichloropropane
Concen: 57.995 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.152 min
Lab File: VY020859.D
Acq: 17 Jan 2025 16:44

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 37473
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.284 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY020859.D
Acq: 17 Jan 2025 16:44

Tgt Ion: 75 Resp: 37473
Ion Ratio Lower Upper
75 100
53 0.1 69.4 104.0#
89 0.4 39.6 59.4#

