

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012225\
 Data File : VY020902.D
 Acq On : 22 Jan 2025 16:28
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 23 00:47:03 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	7.726	168	217126	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.628	114	369732	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.426	117	321882	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.359	152	121125	50.000	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	105049	56.922	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.840%
35) Dibromofluoromethane	7.652	113	115739	49.966	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.940%
50) Toluene-d8	10.115	98	436177	54.017	ug/l	-0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	=	108.040%
62) 4-Bromofluorobenzene	12.414	95	135908	45.578	ug/l	-0.01
Spiked Amount	50.000	Range	29 - 146	Recovery	=	91.160%

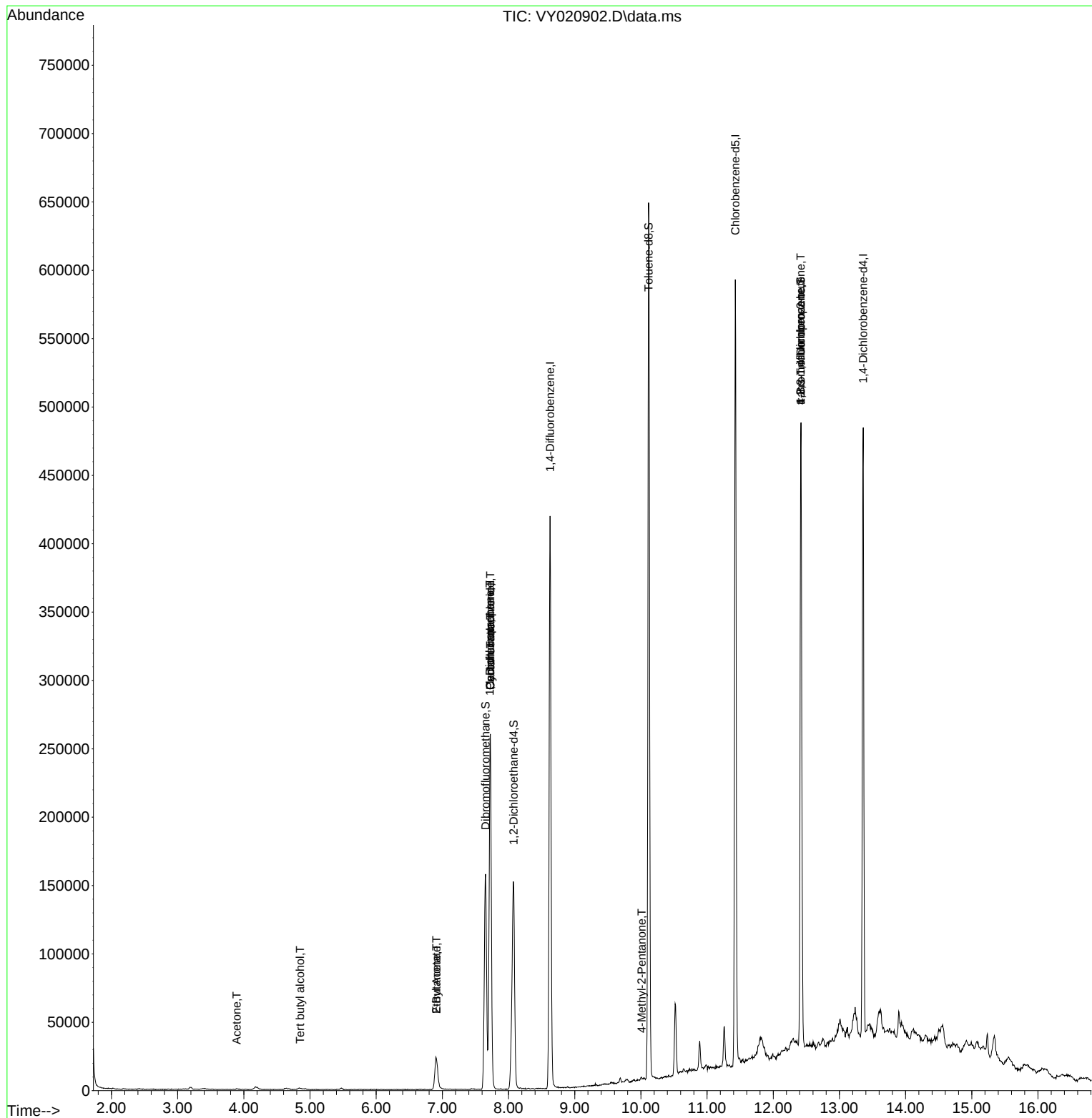
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.848	59	874	6.267	ug/l #	73
16) Acetone	3.891	43	1099	4.188	ug/l #	41
25) 2-Butanone	6.909	43	1284	2.978	ug/l #	87
31) Cyclohexane	7.726	56	3801	1.415	ug/l #	1
36) 1,1-Dichloropropene	7.720	75	14600	4.942	ug/l #	50
37) Ethyl Acetate	6.909	43	1284	1.092	ug/l #	1
38) Carbon Tetrachloride	7.726	117	20348	4.948	ug/l #	15
51) 4-Methyl-2-Pentanone	10.012	43	1363	1.141	ug/l	100
76) 1,2,3-Trichloropropane	12.414	75	68012	64.173	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	68012	135.312	ug/l #	14

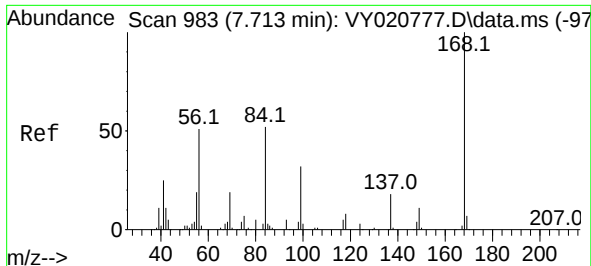
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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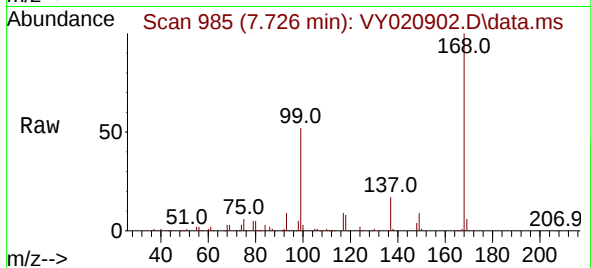
Quant Time: Jan 23 00:47:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 00:38:42 2025
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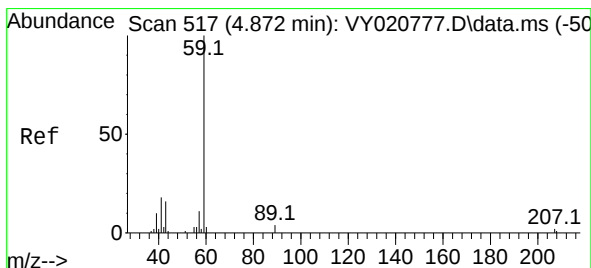
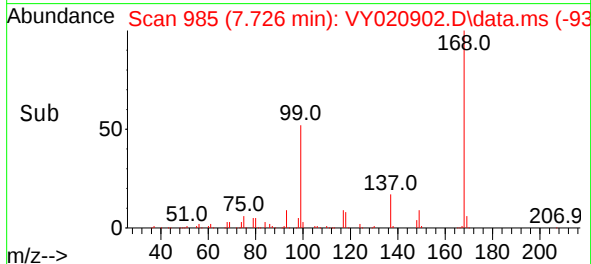
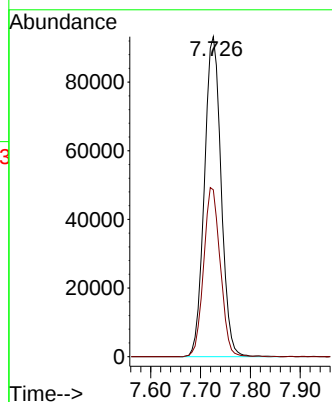


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.726 min Scan# 91
Delta R.T. -0.011 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :

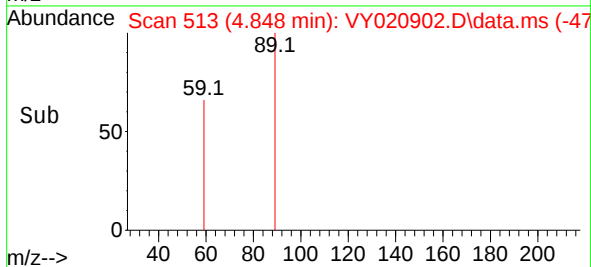
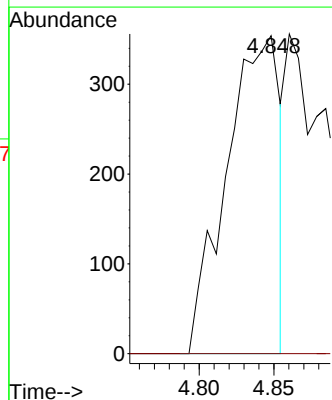
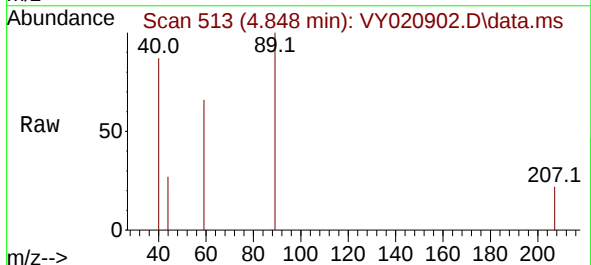


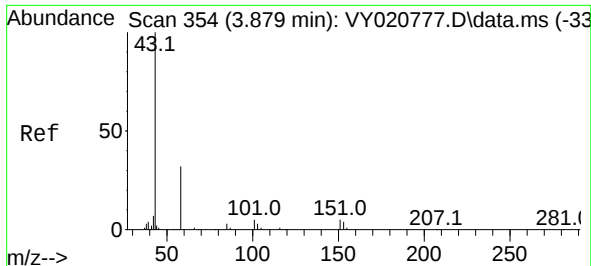
Tgt Ion:168 Resp: 217126
Ion Ratio Lower Upper
168 100
99 52.2 44.3 66.5



#11
Tert butyl alcohol
Concen: 6.267 ug/l
RT: 4.848 min Scan# 513
Delta R.T. -0.079 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

Tgt Ion: 59 Resp: 874
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

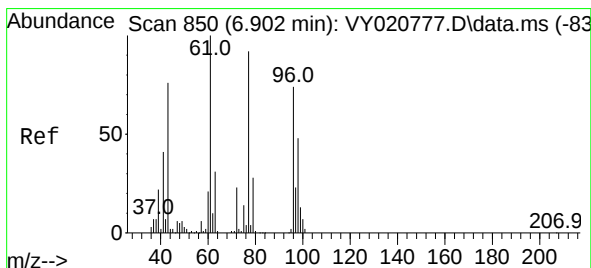
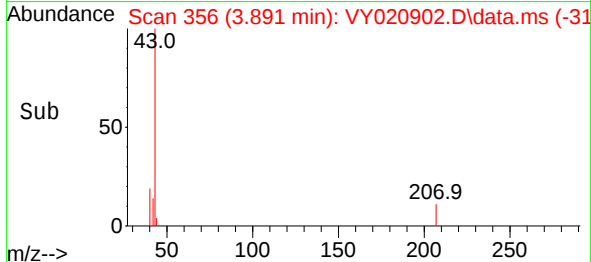
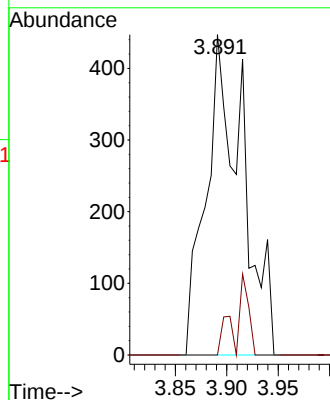
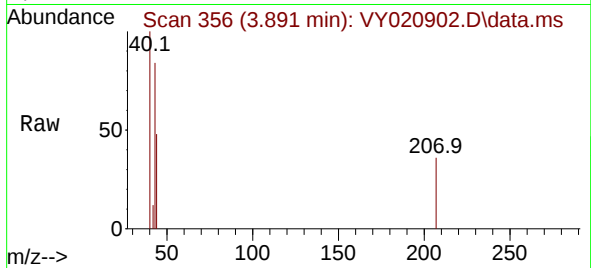




#16
Acetone
Concen: 4.188 ug/l
RT: 3.891 min Scan# 31
Delta R.T. -0.024 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

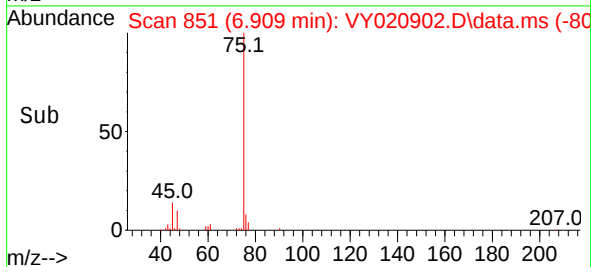
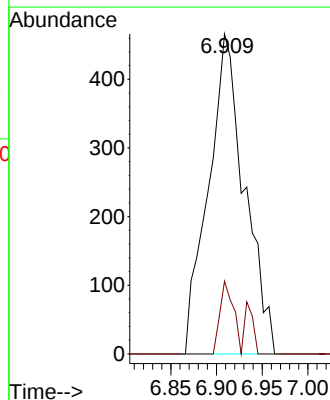
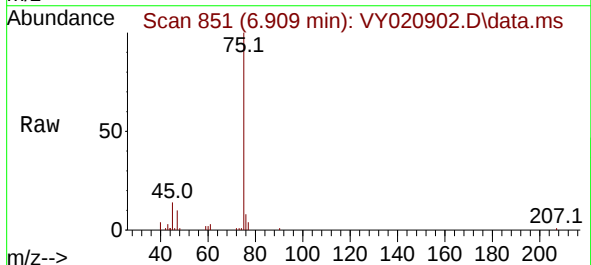
Instrument :
MSVOA_Y
ClientSampleId :

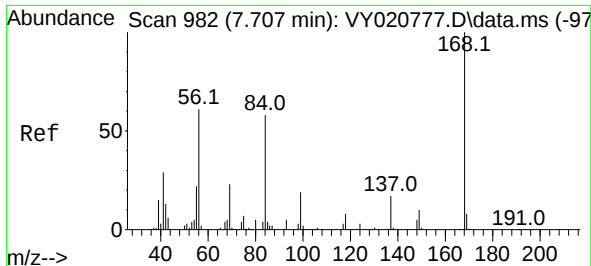
Tgt Ion: 43 Resp: 1099
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#25
2-Butanone
Concen: 2.978 ug/l
RT: 6.909 min Scan# 851
Delta R.T. -0.024 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

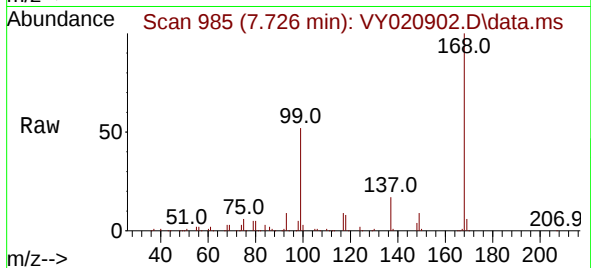
Tgt Ion: 43 Resp: 1284
Ion Ratio Lower Upper
43 100
72 22.7 24.0 36.0#



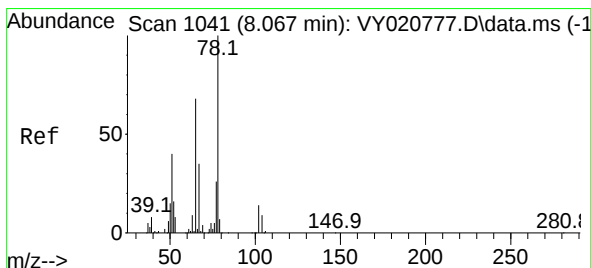
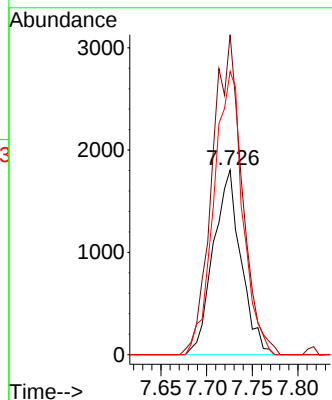
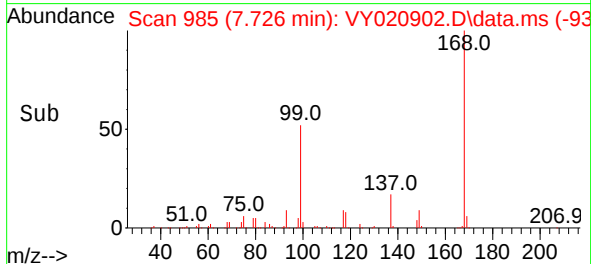


#31
Cyclohexane
Concen: 1.415 ug/l
RT: 7.726 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :

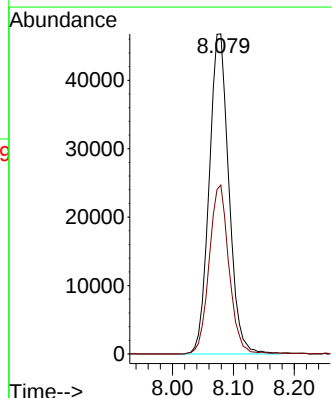
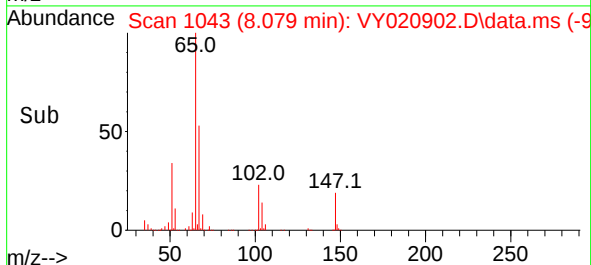
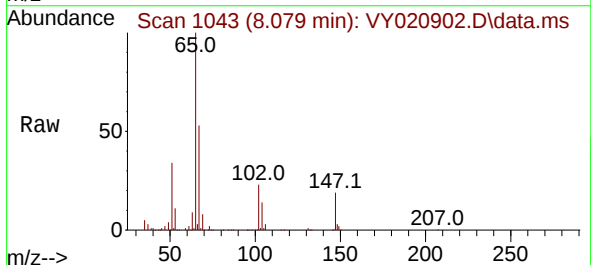


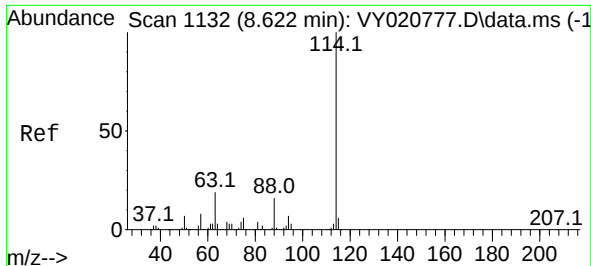
Tgt Ion: 56 Resp: 3801
Ion Ratio Lower Upper
56 100
69 173.3 30.5 45.7#
84 153.4 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 56.922 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.012 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

Tgt Ion: 65 Resp: 105049
Ion Ratio Lower Upper
65 100
67 53.0 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1132

Delta R.T. -0.012 min

Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

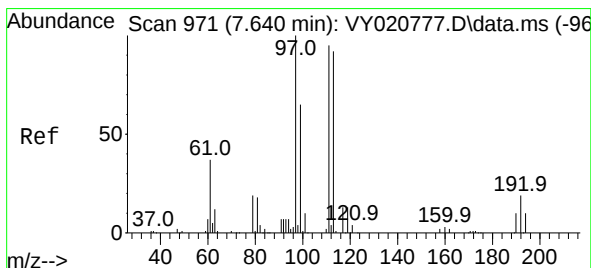
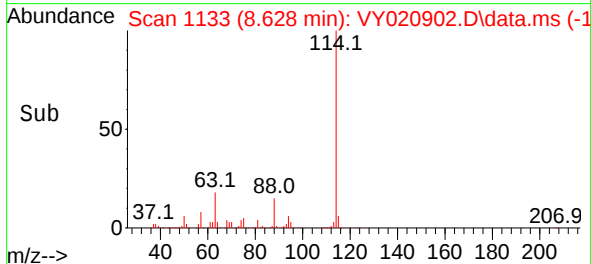
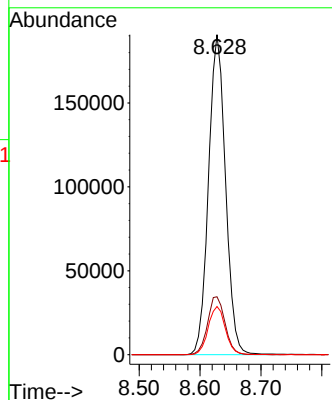
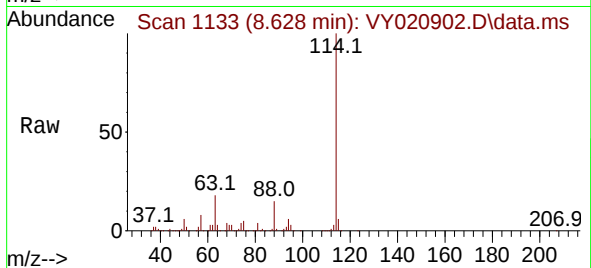
Tgt Ion:114 Resp: 369732

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 15.0 0.0 31.2



#35

Dibromofluoromethane

Concen: 49.966 ug/l

RT: 7.652 min Scan# 973

Delta R.T. -0.012 min

Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

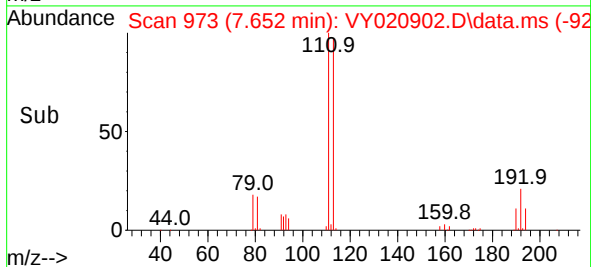
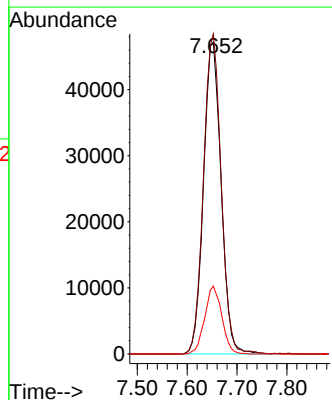
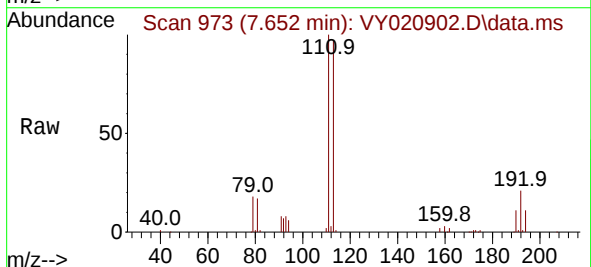
Tgt Ion:113 Resp: 115739

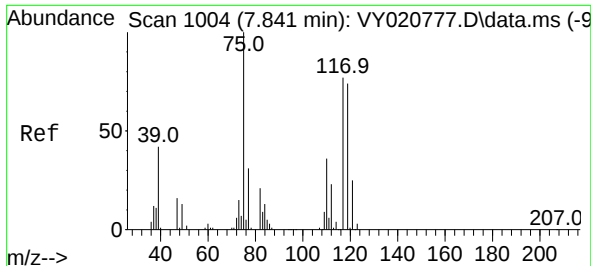
Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

192 21.1 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.942 ug/l

RT: 7.720 min Scan# 91

Delta R.T. -0.146 min

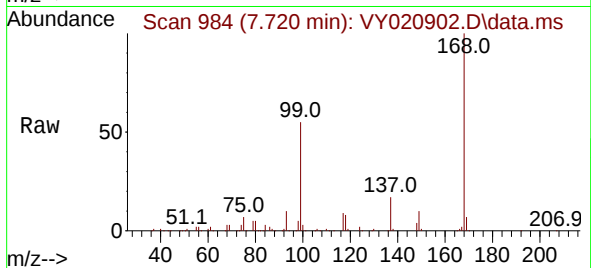
Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

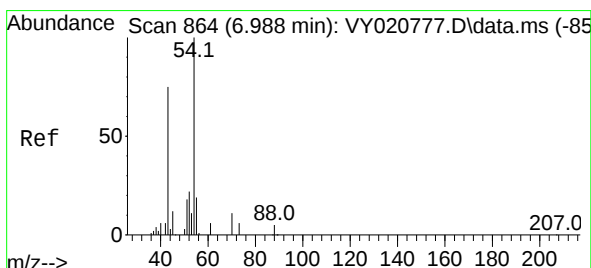
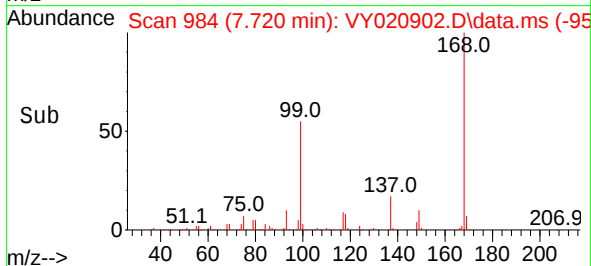
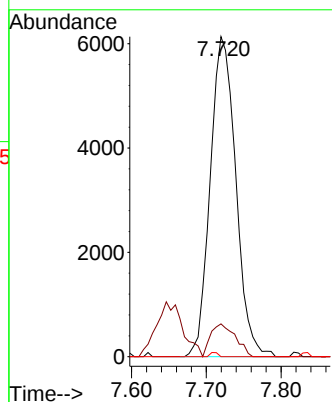
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 14600
Ion Ratio	Lower Upper
75	100
110	9.9 18.5 55.5#
77	0.4 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.092 ug/l

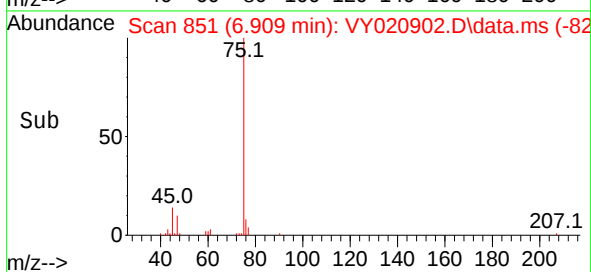
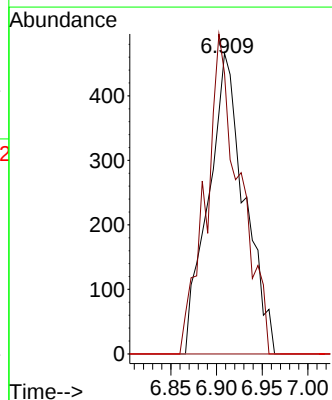
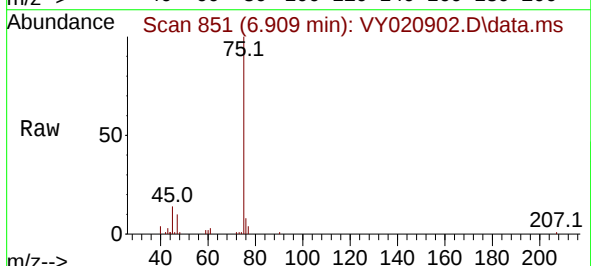
RT: 6.909 min Scan# 851

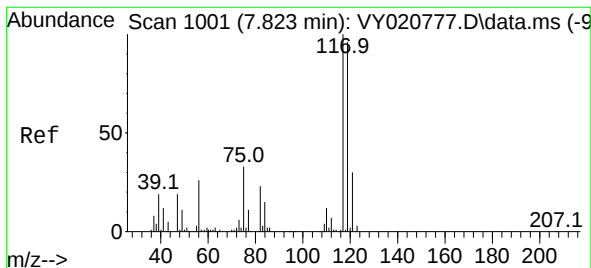
Delta R.T. -0.109 min

Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

Tgt Ion: 43	Resp: 1284
Ion Ratio	Lower Upper
43	100
61	100.2 11.8 17.6#
70	0.0 9.8 14.8#





#38

Carbon Tetrachloride

Concen: 4.948 ug/l

RT: 7.726 min Scan# 91

Delta R.T. -0.122 min

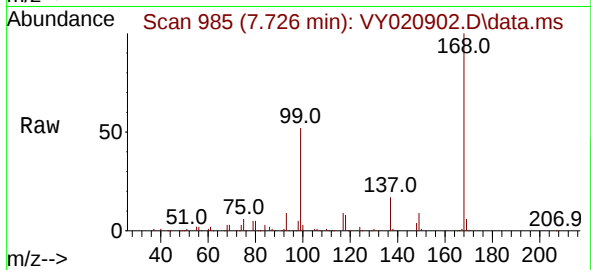
Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :



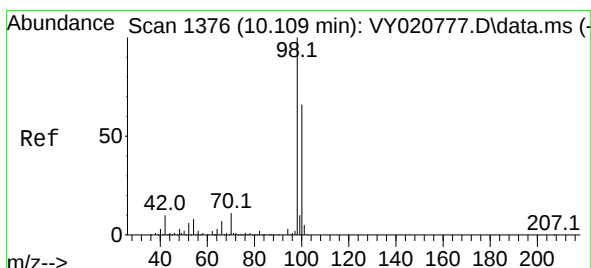
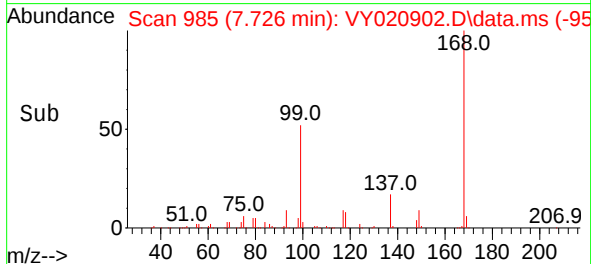
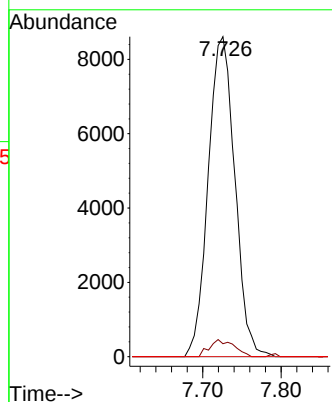
Tgt Ion:117 Resp: 20348

Ion Ratio Lower Upper

117 100

119 4.0 76.5 114.7#

121 0.0 24.3 36.5#



#50

Toluene-d8

Concen: 54.017 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. -0.018 min

Lab File: VY020902.D

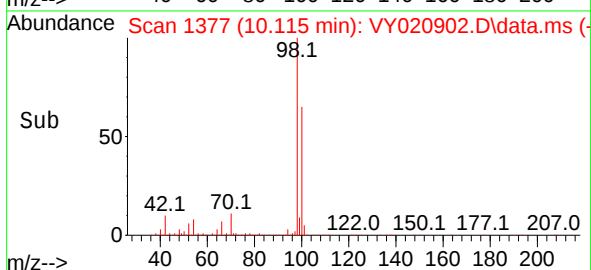
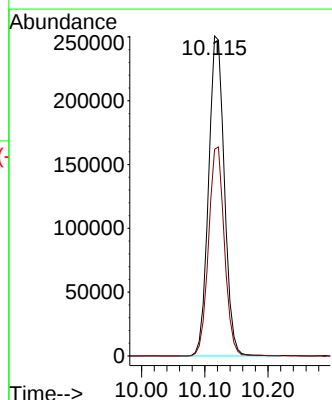
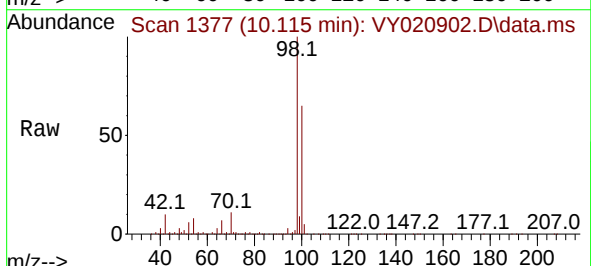
Acq: 22 Jan 2025 16:28

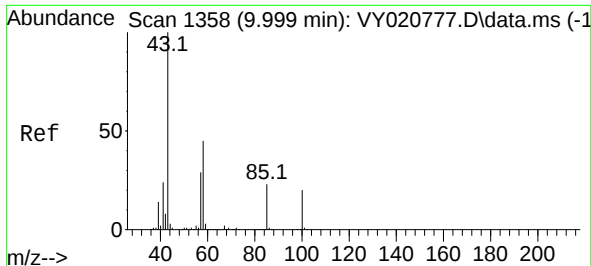
Tgt Ion: 98 Resp: 436177

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.141 ug/l

RT: 10.012 min Scan# 1360

Delta R.T. -0.006 min

Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

Instrument :

MSVOA_Y

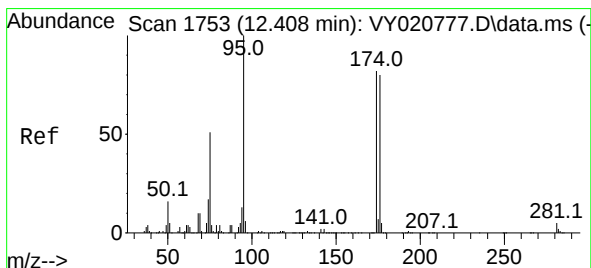
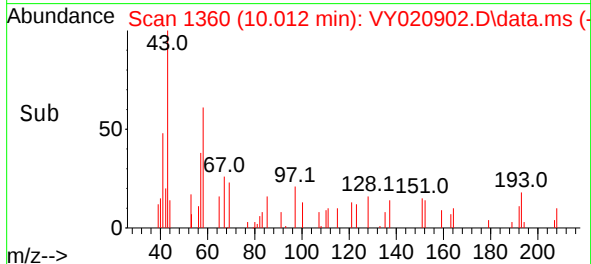
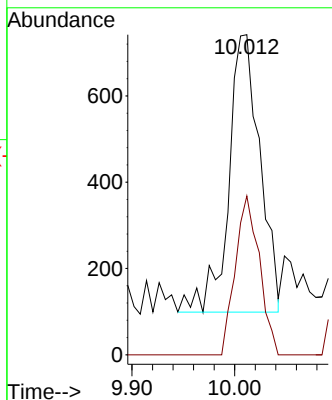
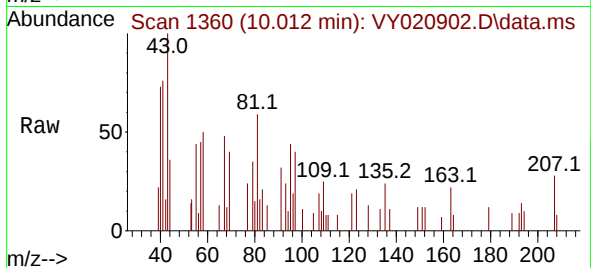
ClientSampleId :

Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

43 100

58 43.8 34.8 52.2



#62

4-Bromofluorobenzene

Concen: 45.578 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.012 min

Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

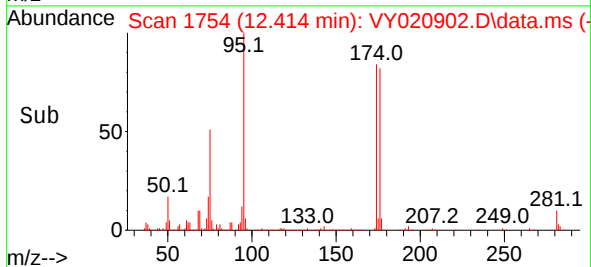
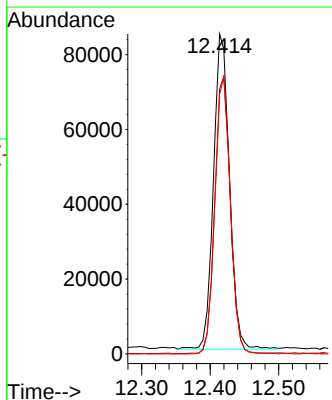
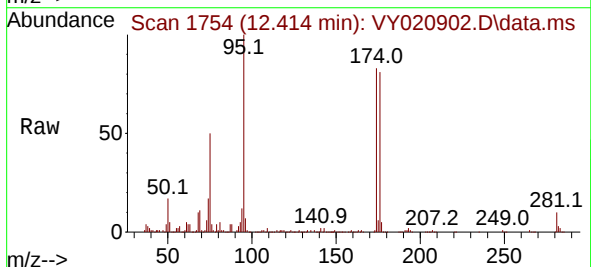
Tgt Ion: 95 Resp: 135908

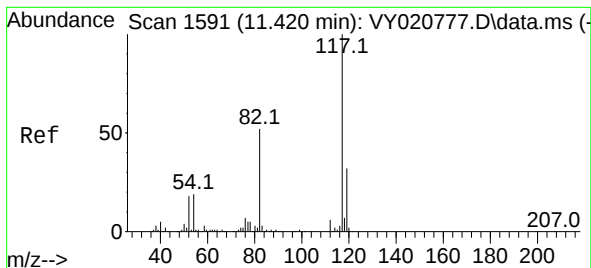
Ion Ratio Lower Upper

95 100

174 86.2 0.0 178.0

176 84.9 0.0 172.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

Instrument :

MSVOA_Y

ClientSampleId :

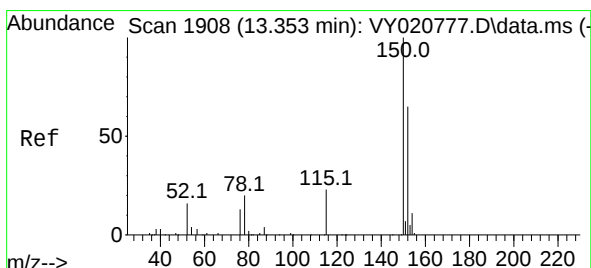
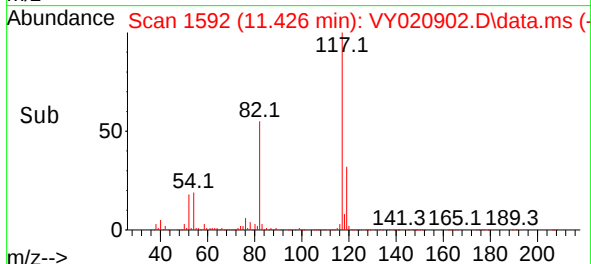
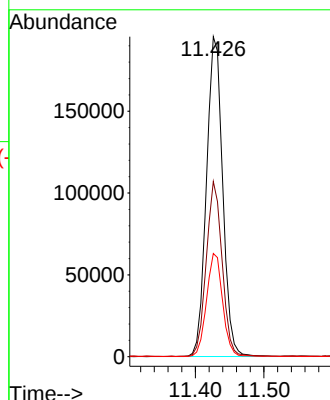
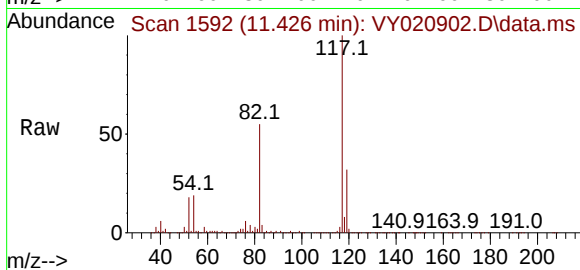
Tgt Ion:117 Resp: 321882

Ion Ratio Lower Upper

117 100

82 54.6 41.8 62.6

119 32.2 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. -0.012 min

Lab File: VY020902.D

Acq: 22 Jan 2025 16:28

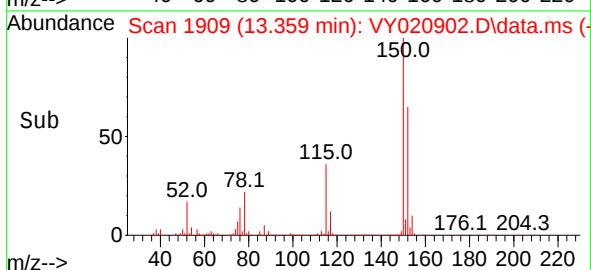
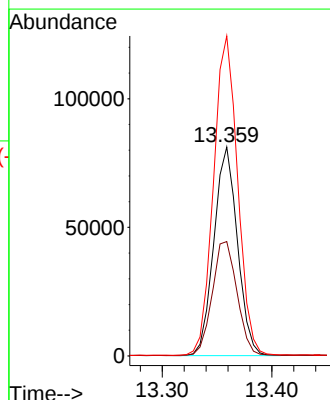
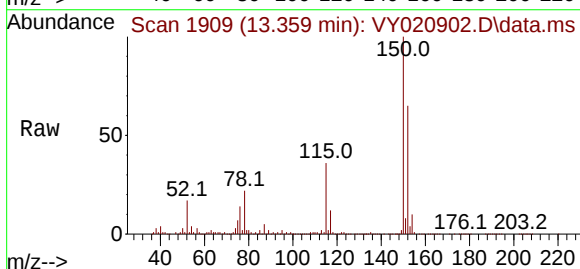
Tgt Ion:152 Resp: 121125

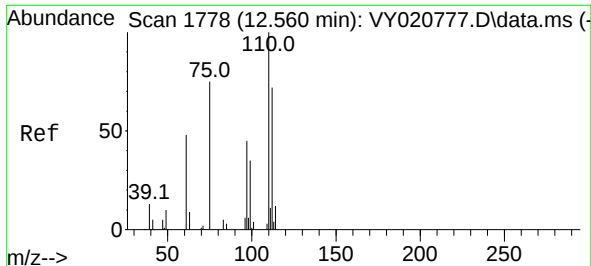
Ion Ratio Lower Upper

152 100

115 57.7 29.0 87.0

150 156.8 0.0 347.4

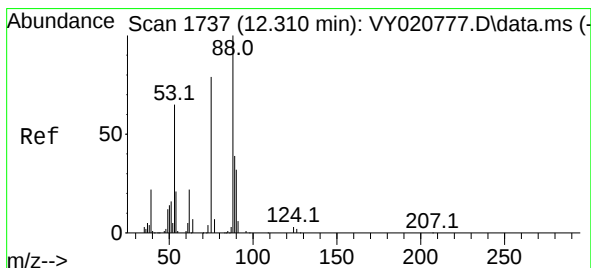
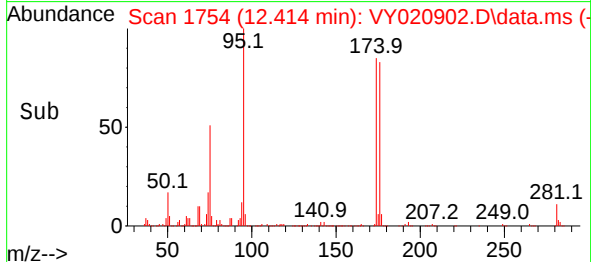
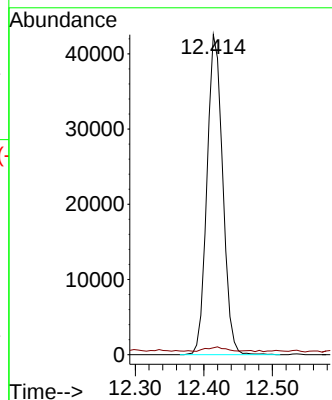
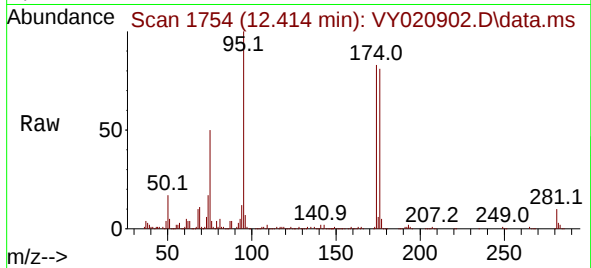




#76
1,2,3-Trichloropropane
Concen: 64.173 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.164 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 68012
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.312 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.086 min
Lab File: VY020902.D
Acq: 22 Jan 2025 16:28

Tgt Ion: 75 Resp: 68012
Ion Ratio Lower Upper
75 100
53 0.0 69.4 104.0#
89 0.1 39.6 59.4#

