

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021252.D
 Acq On : 20 Feb 2025 16:19
 Operator : SY/MD
 Sample : Q1383-03
 Misc : 5.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:42:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

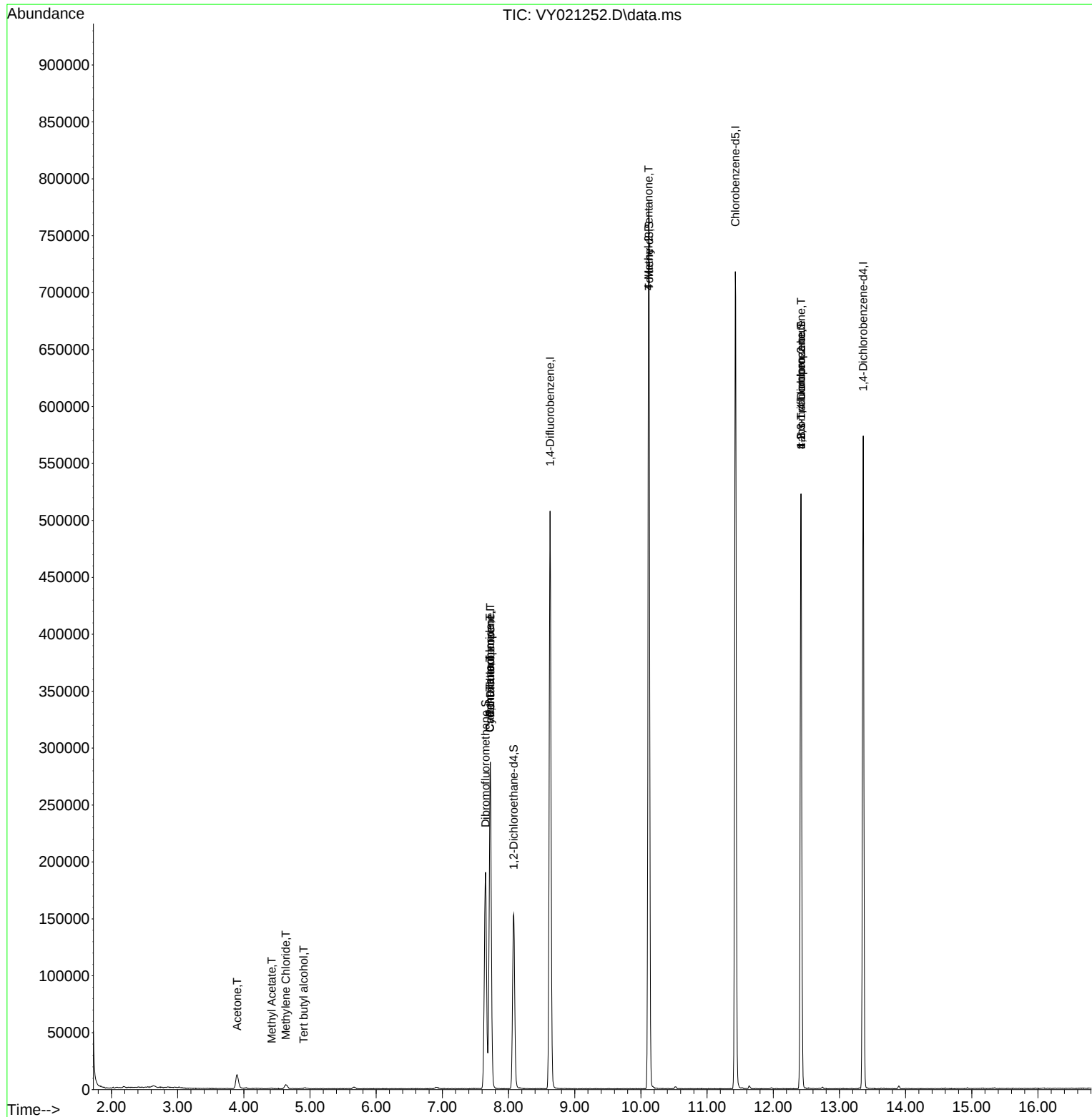
Internal Standards						
1) Pentafluorobenzene	7.725	168	215254	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.628	114	413905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	372163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.358	152	138237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.079	65	126212	57.227	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.460%	
35) Dibromofluoromethane	7.652	113	133780	50.434	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.860%	
50) Toluene-d8	10.121	98	503890	49.897	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.800%	
62) 4-Bromofluorobenzene	12.420	95	154558	46.848	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.903	59	412	2.757	ug/l #	75
16) Acetone	3.897	43	24326	70.728	ug/l	98
18) Methyl Acetate	4.421	43	1229	1.018	ug/l #	74
20) Methylene Chloride	4.634	84	2723	1.274	ug/l	96
31) Cyclohexane	7.719	56	4945	1.315	ug/l #	10
36) 1,1-Dichloropropene	7.725	75	17690	4.502	ug/l #	51
38) Carbon Tetrachloride	7.719	117	22224	4.841	ug/l #	17
51) 4-Methyl-2-Pentanone	10.115	43	2443	1.419	ug/l #	1
76) 1,2,3-Trichloropropane	12.420	75	85241	67.976	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.420	75	85241	138.704	ug/l #	12

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

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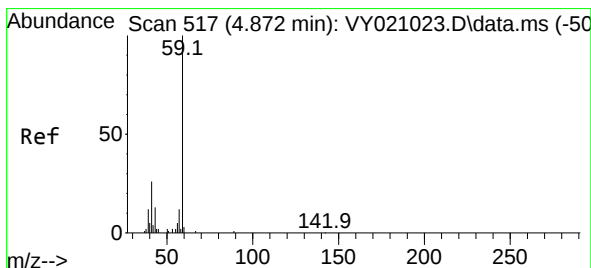
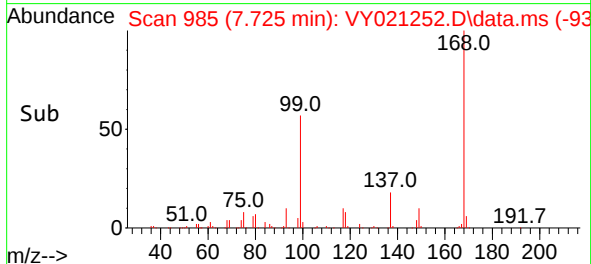
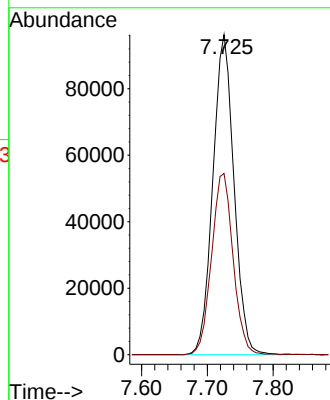
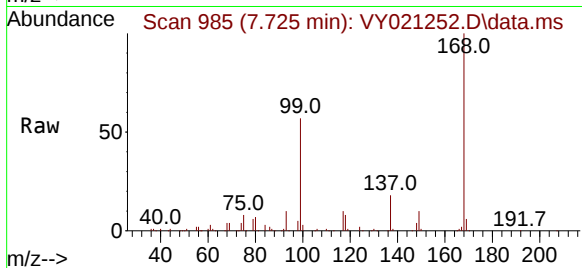




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.725 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

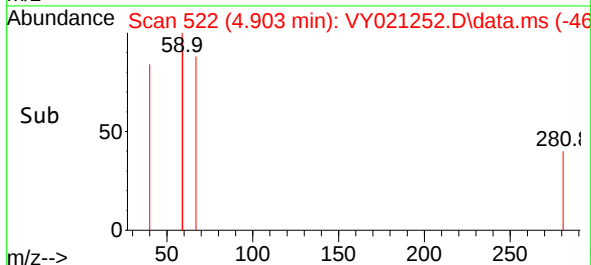
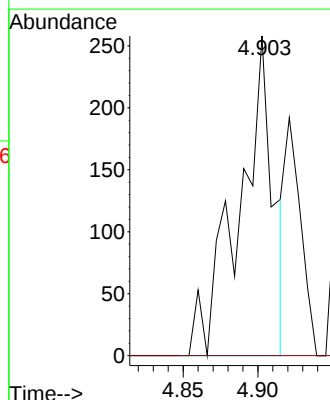
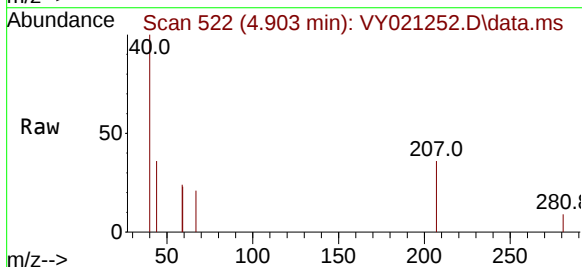
Instrument :
MSVOA_Y
ClientSampleId :

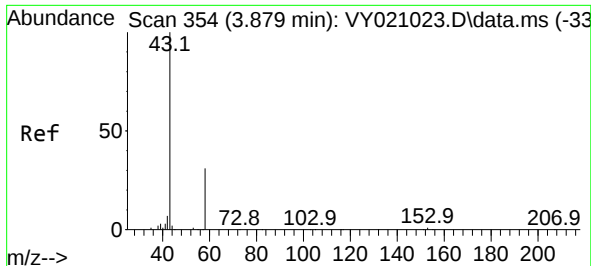
Tgt Ion:168 Resp: 215254
Ion Ratio Lower Upper
168 100
99 56.6 44.2 66.4



#11
Tert butyl alcohol
Concen: 2.757 ug/l
RT: 4.903 min Scan# 522
Delta R.T. 0.030 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

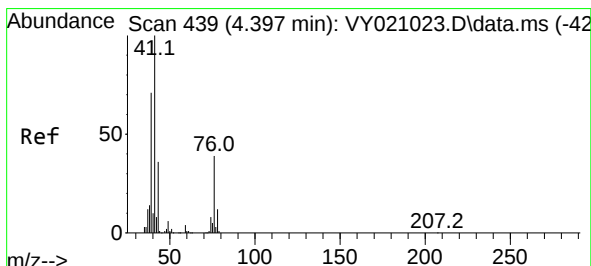
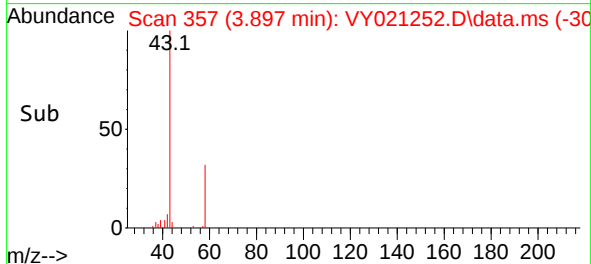
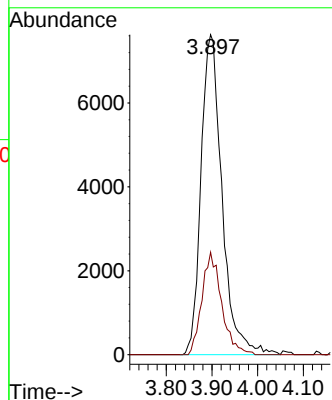
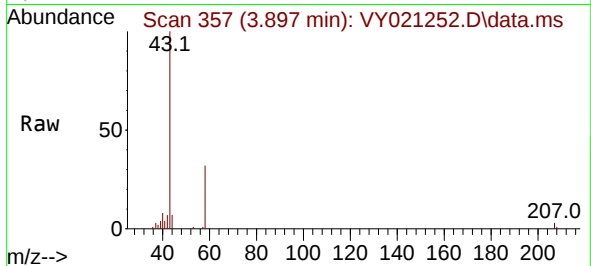




#16
Acetone
Concen: 70.728 ug/l
RT: 3.897 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

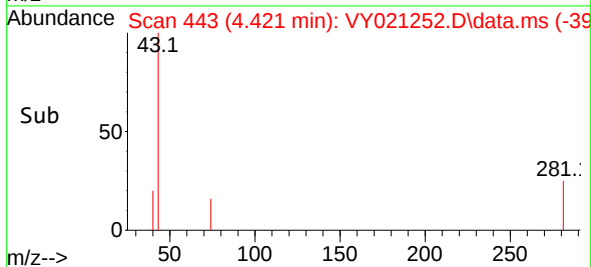
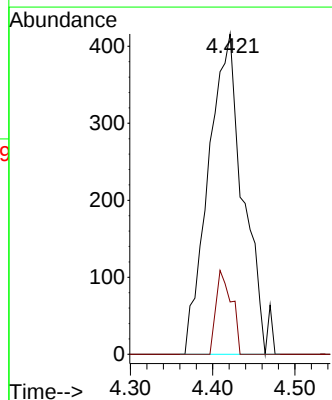
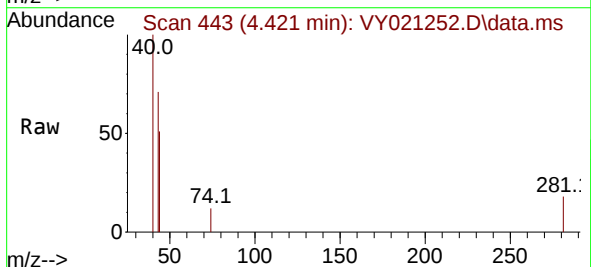
Instrument :
MSVOA_Y
ClientSampleId :

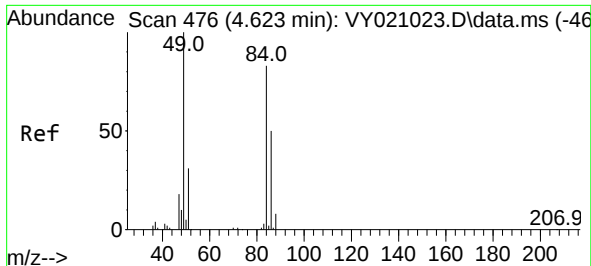
Tgt Ion: 43 Resp: 24326
Ion Ratio Lower Upper
43 100
58 32.0 26.6 39.8



#18
Methyl Acetate
Concen: 1.018 ug/l
RT: 4.421 min Scan# 443
Delta R.T. 0.024 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

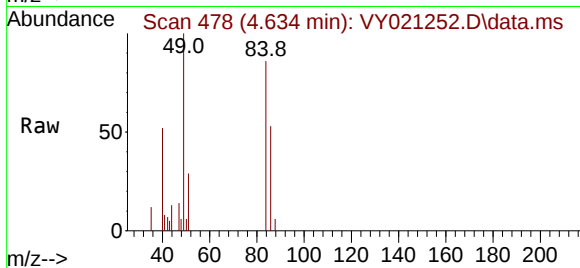
Tgt Ion: 43 Resp: 1229
Ion Ratio Lower Upper
43 100
74 11.7 19.8 29.6#



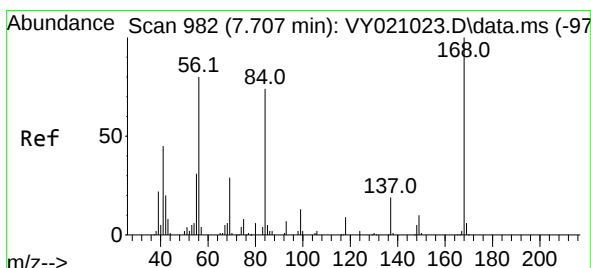
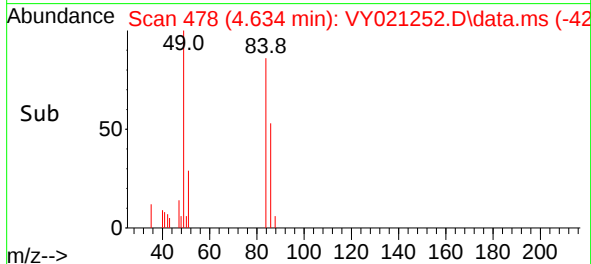
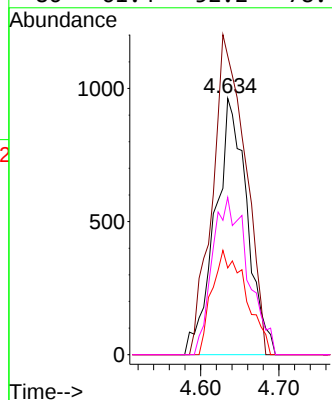


#20
Methylene Chloride
Concen: 1.274 ug/l
RT: 4.634 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

Instrument :
MSVOA_Y
ClientSampleId :

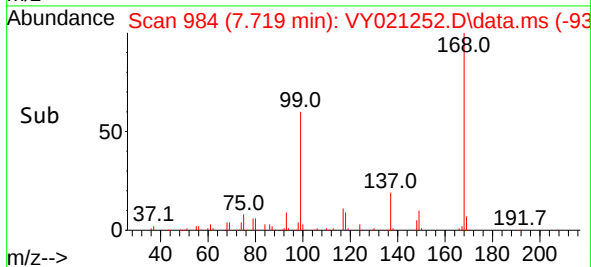
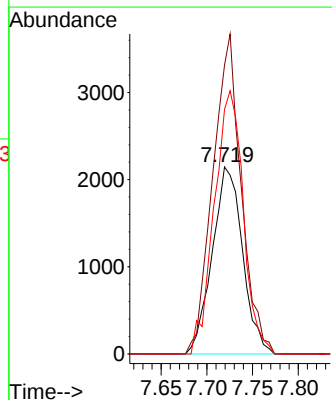
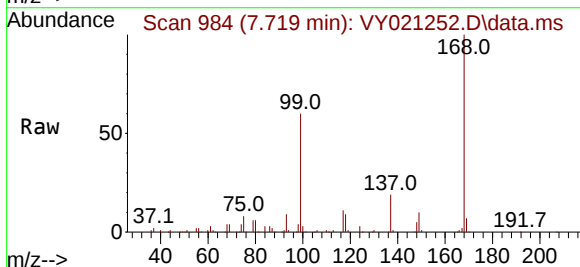


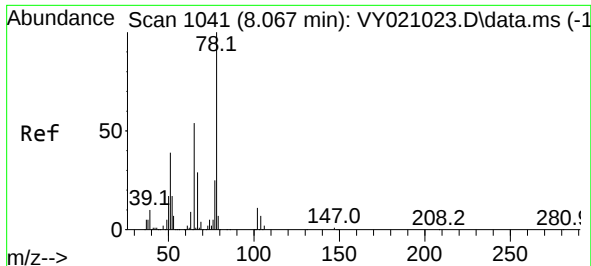
Tgt Ion:	84	Resp:	2723
Ion	Ratio	Lower	Upper
84	100		
49	116.5	95.2	142.8
51	33.9	29.9	44.9
86	61.4	52.2	78.4



#31
Cyclohexane
Concen: 1.315 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.012 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

Tgt Ion:	56	Resp:	4945
Ion	Ratio	Lower	Upper
56	100		
69	154.5	27.0	40.6#
84	130.8	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 57.227 ug/l

RT: 8.079 min Scan# 1104

Delta R.T. 0.012 min

Lab File: VY021252.D

Acq: 20 Feb 2025 16:19

Instrument :

MSVOA_Y

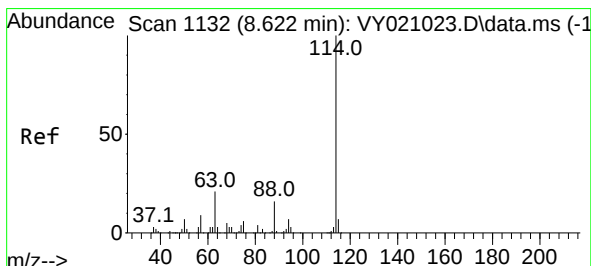
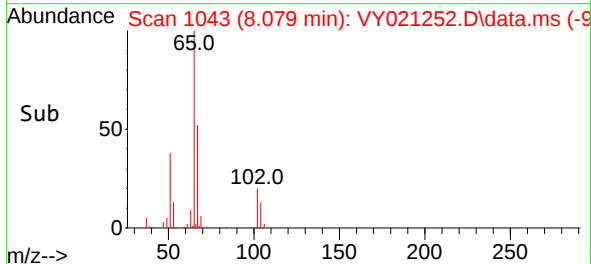
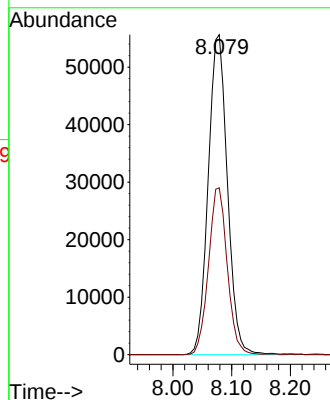
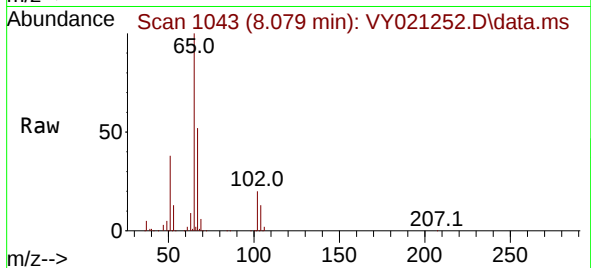
ClientSampleId :

Tgt Ion: 65 Resp: 126212

Ion Ratio Lower Upper

65 100

67 51.0 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VY021252.D

Acq: 20 Feb 2025 16:19

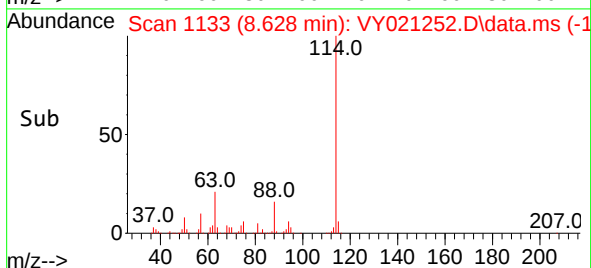
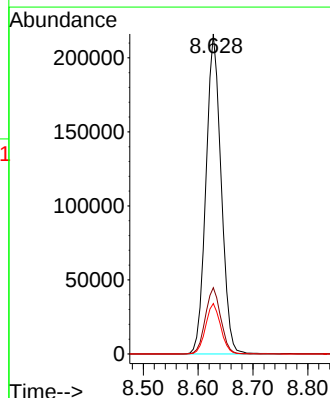
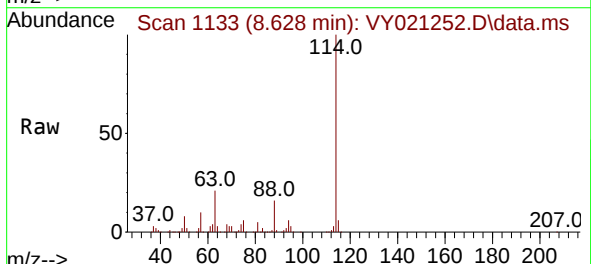
Tgt Ion:114 Resp: 413905

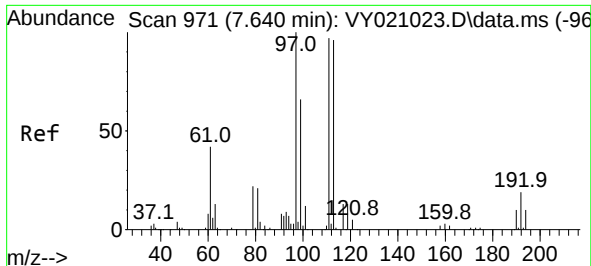
Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

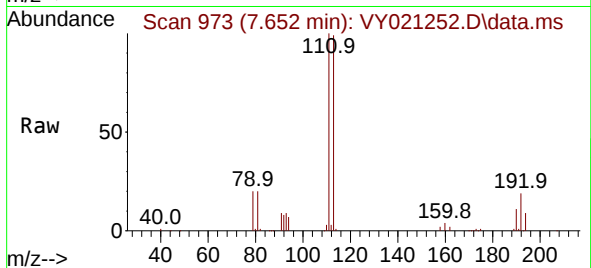
88 15.8 0.0 29.0



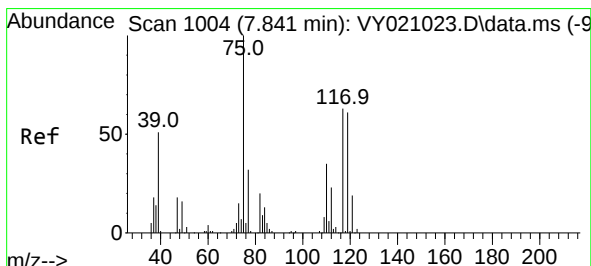
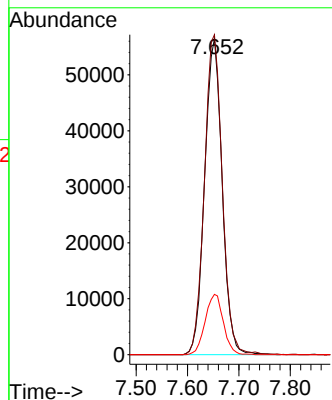
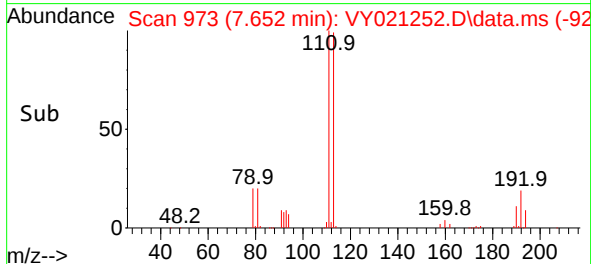


#35
Dibromofluoromethane
Concen: 50.434 ug/l
RT: 7.652 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

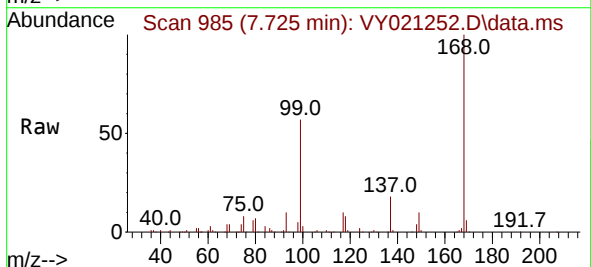
Instrument :
MSVOA_Y
ClientSampleId :



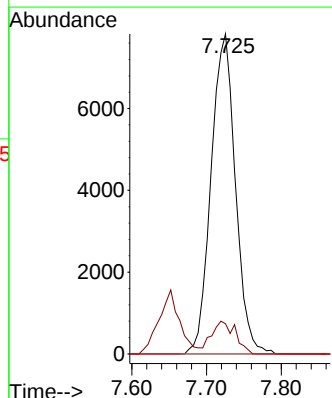
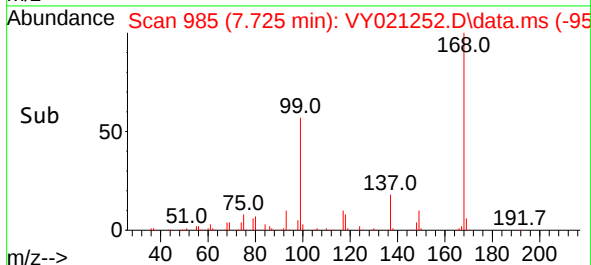
Tgt Ion:113 Resp: 133780
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.6
192 19.7 14.5 21.7

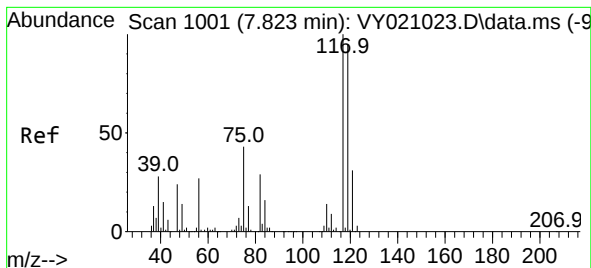


#36
1,1-Dichloropropene
Concen: 4.502 ug/l
RT: 7.725 min Scan# 985
Delta R.T. -0.116 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19



Tgt Ion: 75 Resp: 17690
Ion Ratio Lower Upper
75 100
110 10.3 17.4 52.3#
77 0.0 24.7 37.1#





#38

Carbon Tetrachloride

Concen: 4.841 ug/l

RT: 7.719 min Scan# 91

Delta R.T. -0.104 min

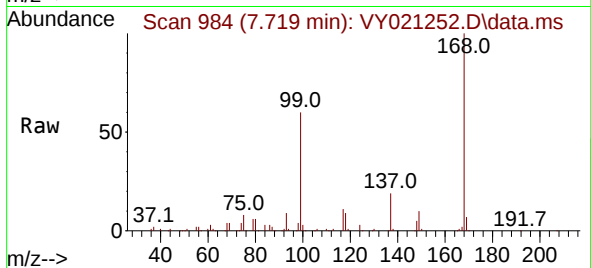
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Acq: 20 Feb 2025 16:19

Instrument :

MSVOA_Y

ClientSampleId :



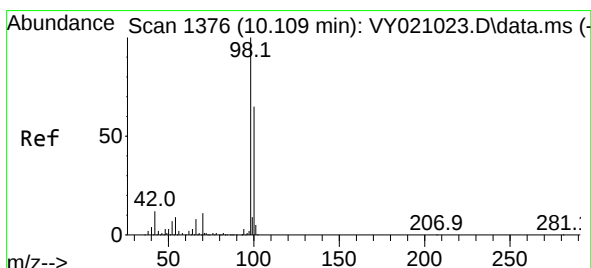
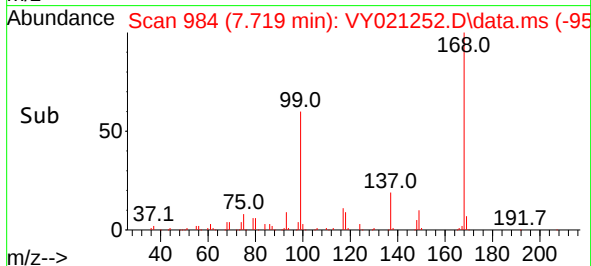
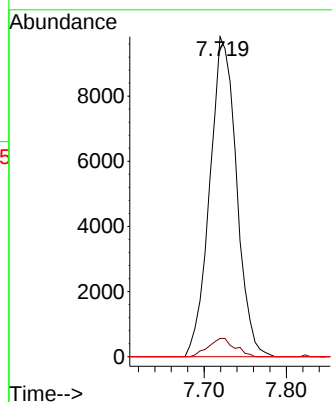
Tgt Ion:117 Resp: 22224

Ion Ratio Lower Upper

117 100

119 5.7 76.0 114.0#

121 0.0 24.2 36.2#



#50

Toluene-d8

Concen: 49.897 ug/l

RT: 10.121 min Scan# 1378

Delta R.T. 0.012 min

Lab File: VY021252.D

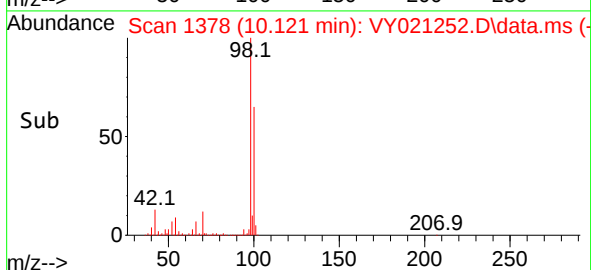
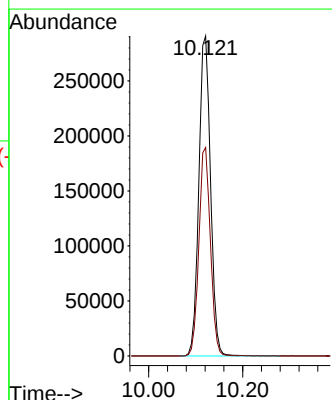
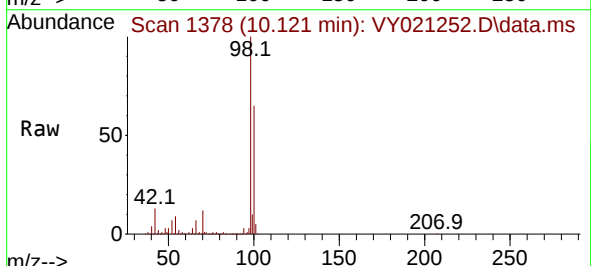
Acq: 20 Feb 2025 16:19

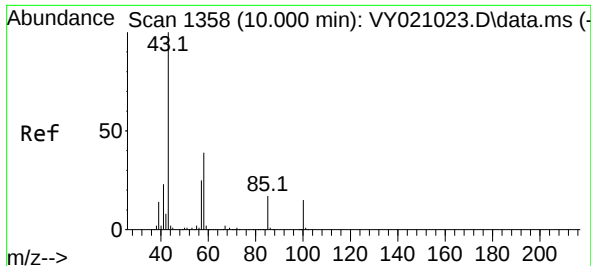
Tgt Ion: 98 Resp: 503890

Ion Ratio Lower Upper

98 100

100 64.3 52.3 78.5

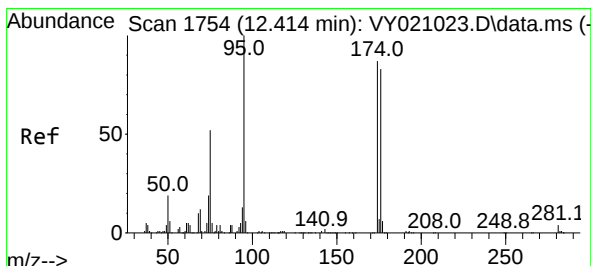
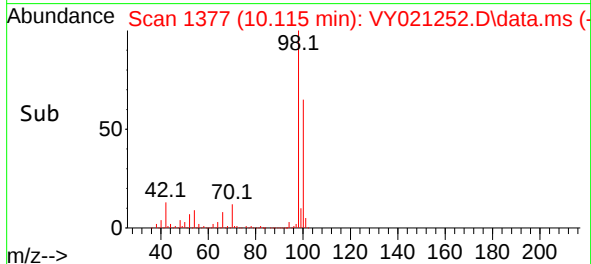
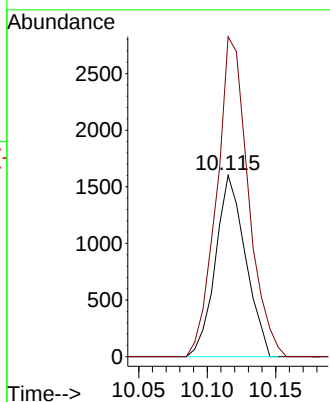
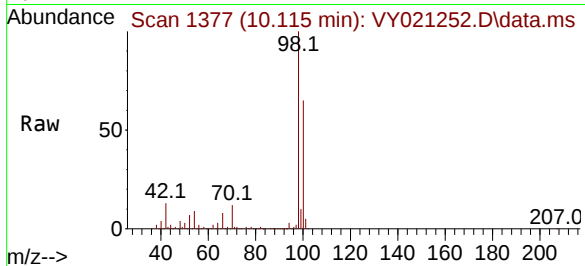




#51
4-Methyl-2-Pentanone
Concen: 1.419 ug/l
RT: 10.115 min Scan# 1358
Delta R.T. 0.116 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

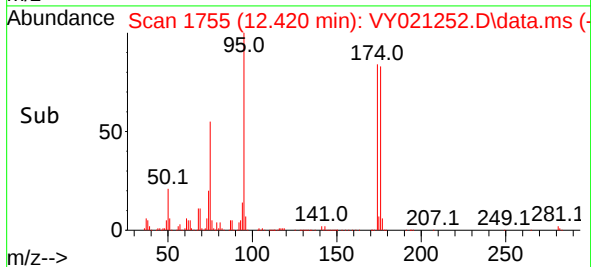
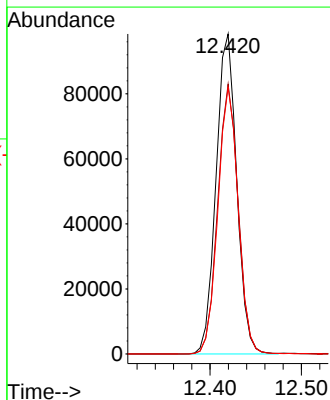
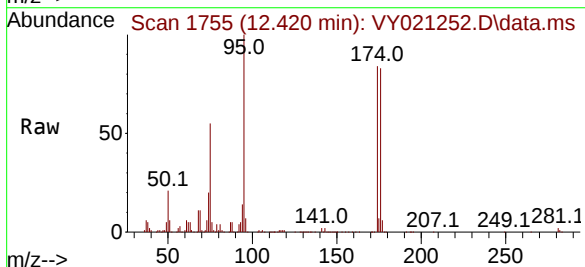
Instrument :
MSVOA_Y
ClientSampleId :

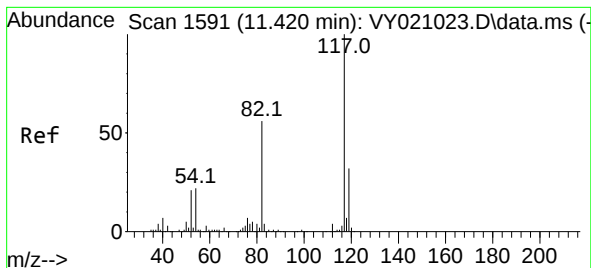
Tgt Ion: 43 Resp: 2443
Ion Ratio Lower Upper
43 100
58 185.9 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 46.848 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.006 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

Tgt Ion: 95 Resp: 154558
Ion Ratio Lower Upper
95 100
174 83.7 0.0 160.0
176 82.1 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY021252.D

Acq: 20 Feb 2025 16:19

Instrument :

MSVOA_Y

ClientSampleId :

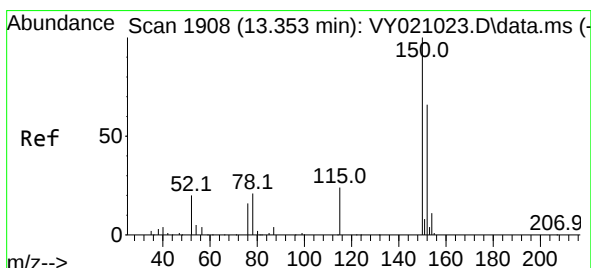
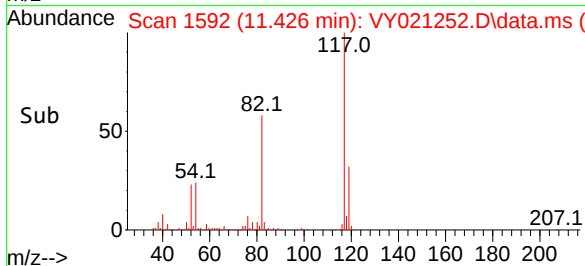
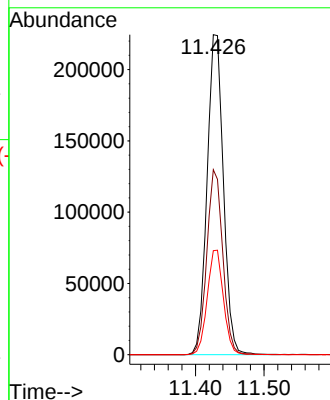
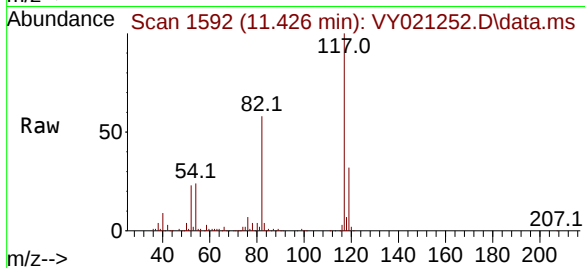
Tgt Ion:117 Resp: 372163

Ion Ratio Lower Upper

117 100

82 57.8 43.8 65.8

119 32.5 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.358 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021252.D

Acq: 20 Feb 2025 16:19

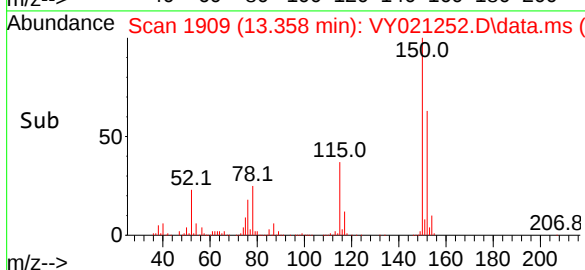
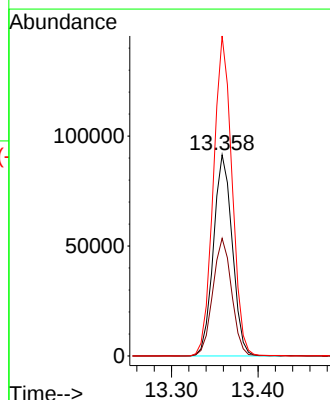
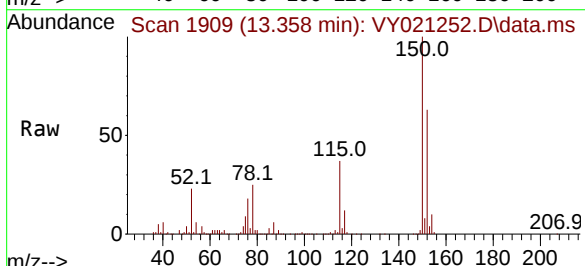
Tgt Ion:152 Resp: 138237

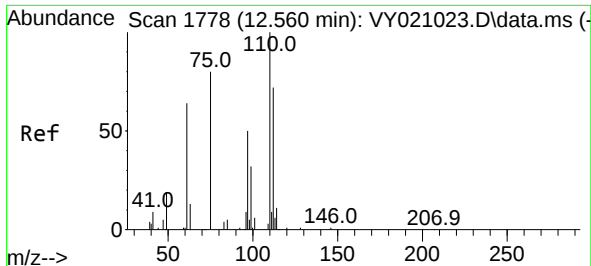
Ion Ratio Lower Upper

152 100

115 58.5 30.0 90.0

150 157.6 0.0 344.6

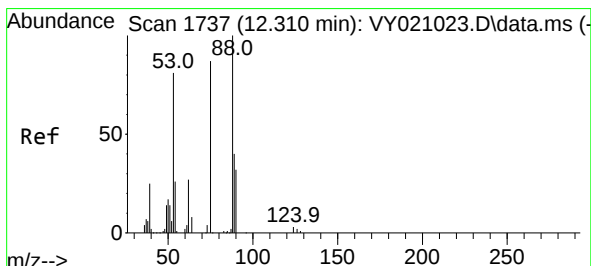
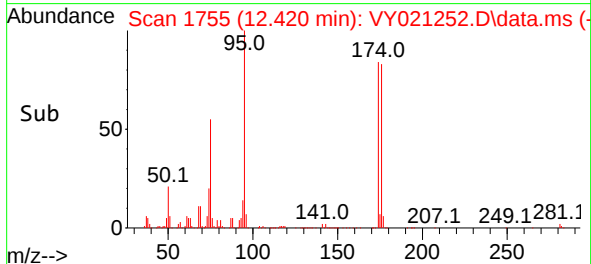
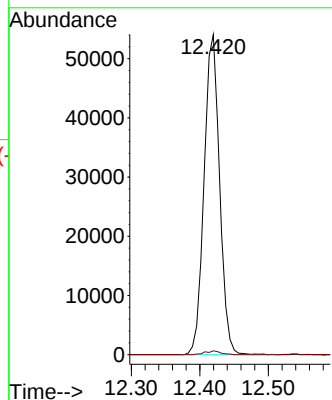
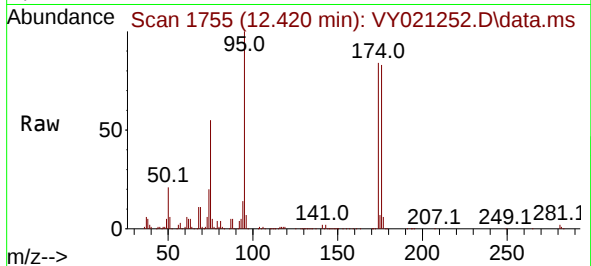




#76
1,2,3-Trichloropropane
Concen: 67.976 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. -0.141 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 85241
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.704 ug/l
RT: 12.420 min Scan# 1755
Delta R.T. 0.109 min
Lab File: VY021252.D
Acq: 20 Feb 2025 16:19

Tgt Ion: 75 Resp: 85241
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#

