

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020525\
 Data File : VY021088.D
 Acq On : 05 Feb 2025 15:01
 Operator : SY/MD
 Sample : Q1289-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 06 00:35:59 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)

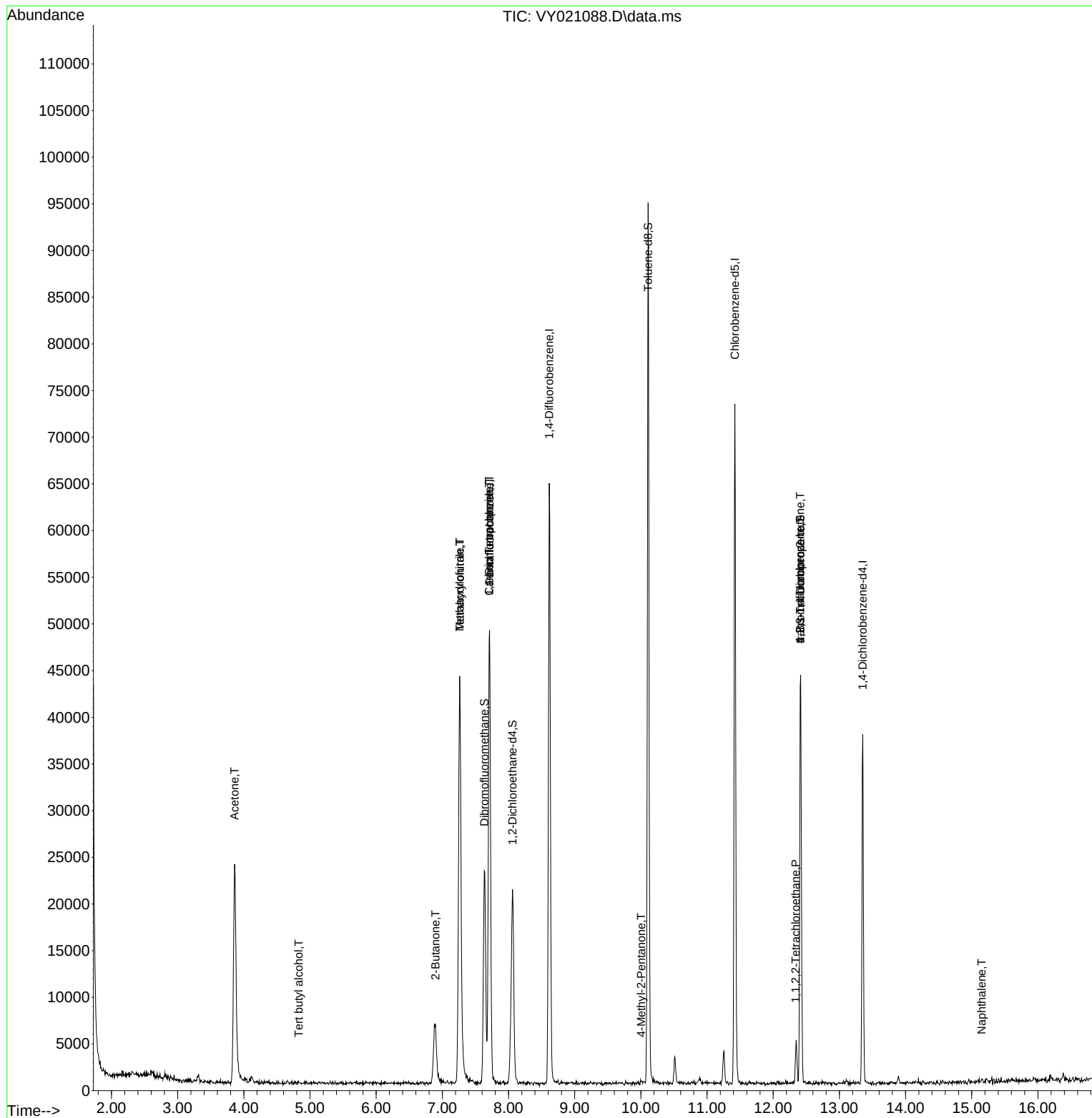
Internal Standards						
1) Pentafluorobenzene	7.713	168	39630	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	55839	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	38130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	9302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	14612	35.986	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	71.980%
35) Dibromofluoromethane	7.634	113	16729	46.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.500%
50) Toluene-d8	10.109	98	60736	44.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.160%
62) 4-Bromofluorobenzene	12.408	95	12518	28.125	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	56.260%
Target Compounds						Qvalue
11) Tert butyl alcohol	4.830	59	195	7.087	ug/l #	75
16) Acetone	3.860	43	42480	670.865	ug/l	95
25) 2-Butanone	6.897	43	2405	23.113	ug/l	95
29) Tetrahydrofuran	7.262	42	35472	503.795	ug/l	97
36) 1,1-Dichloropropene	7.707	75	3206	6.049	ug/l #	46
38) Carbon Tetrachloride	7.707	117	4080	6.588	ug/l #	15
41) Methacrylonitrile	7.262	41	20914	155.467	ug/l #	46
51) 4-Methyl-2-Pentanone	10.006	43	325	1.399	ug/l #	35
75) 1,1,2,2-Tetrachloroethane	12.341	83	152	1.258	ug/l #	25
76) 1,2,3-Trichloropropane	12.408	75	7076	83.858	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	7076	171.111	ug/l #	12
95) Naphthalene	15.151	128	270	1.079	ug/l #	69

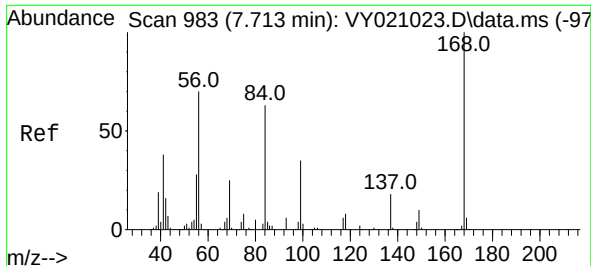
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

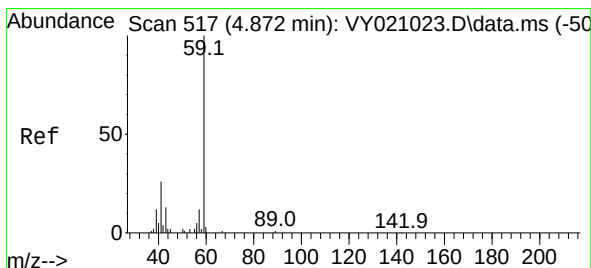
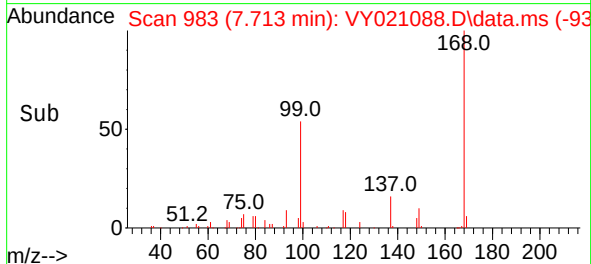
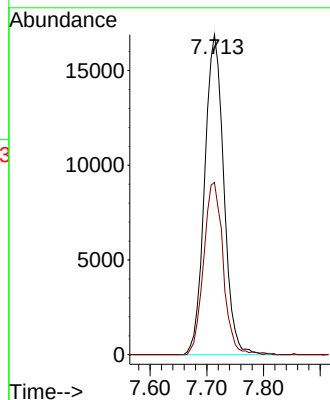
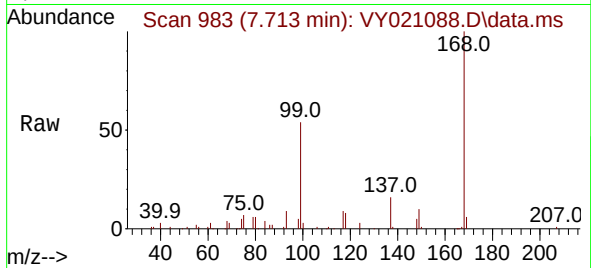




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

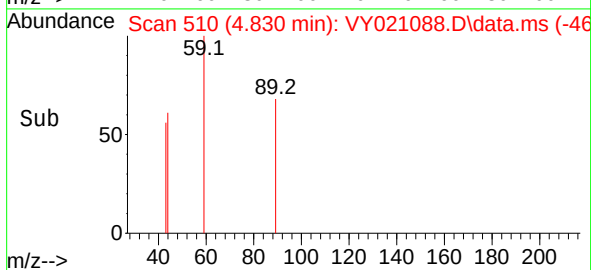
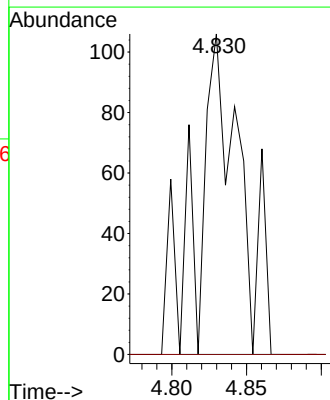
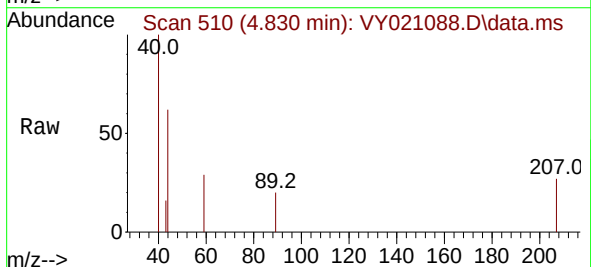
Instrument :
MSVOA_Y
ClientSampleId :

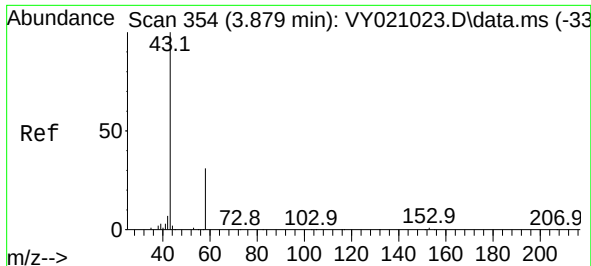
Tgt Ion:168 Resp: 39630
Ion Ratio Lower Upper
168 100
99 53.9 44.2 66.4



#11
Tert butyl alcohol
Concen: 7.087 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.043 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

Tgt Ion: 59 Resp: 195
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 670.865 ug/l

RT: 3.860 min Scan# 3

Delta R.T. -0.018 min

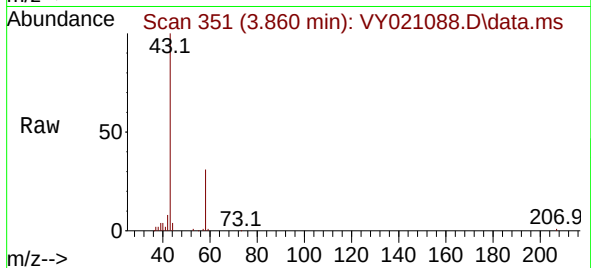
Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

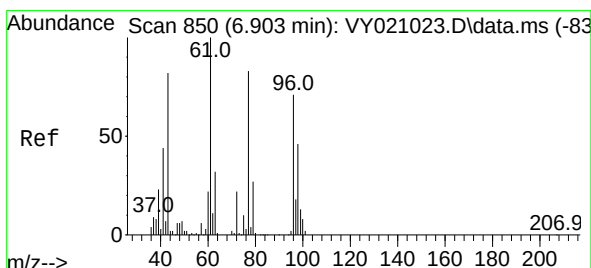
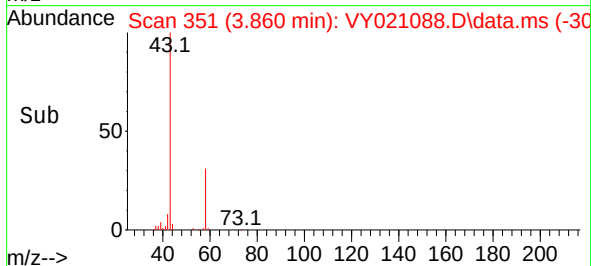
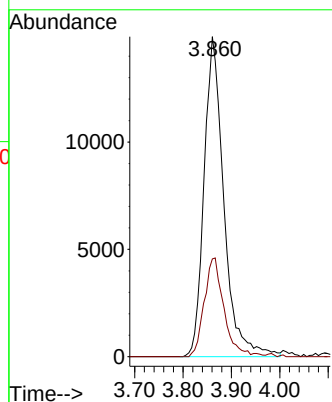


Tgt Ion: 43 Resp: 42480

Ion Ratio Lower Upper

43 100

58 30.6 26.6 39.8



#25

2-Butanone

Concen: 23.113 ug/l

RT: 6.897 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY021088.D

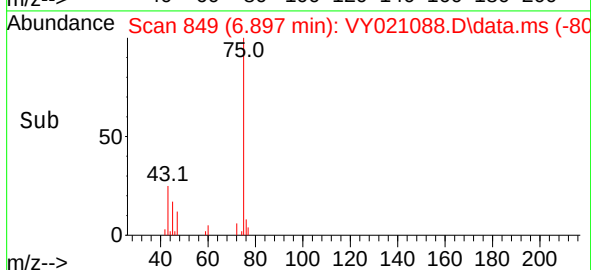
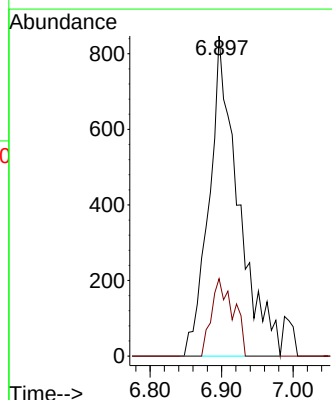
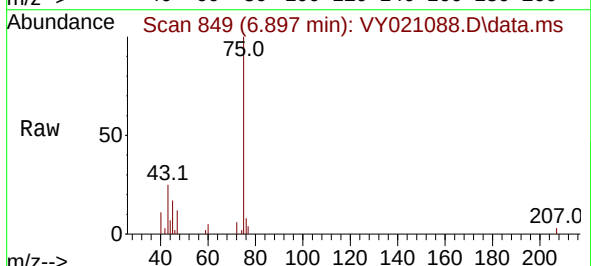
Acq: 05 Feb 2025 15:01

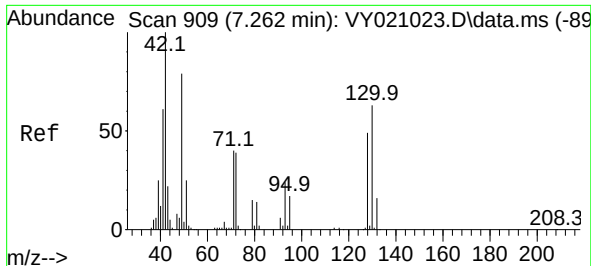
Tgt Ion: 43 Resp: 2405

Ion Ratio Lower Upper

43 100

72 24.2 21.4 32.2





#29

Tetrahydrofuran

Concen: 503.795 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

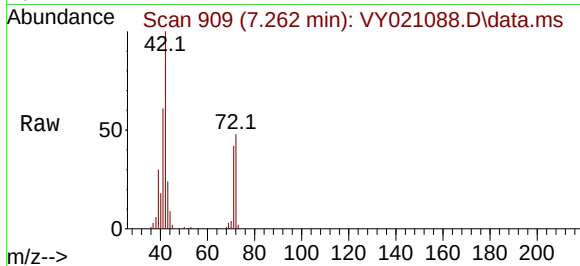
Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

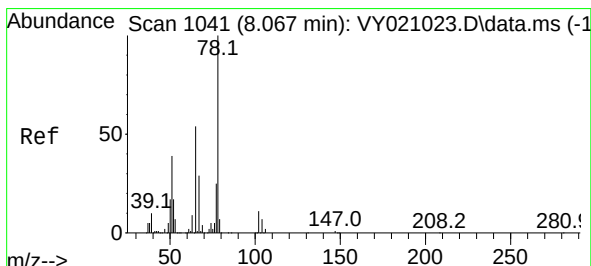
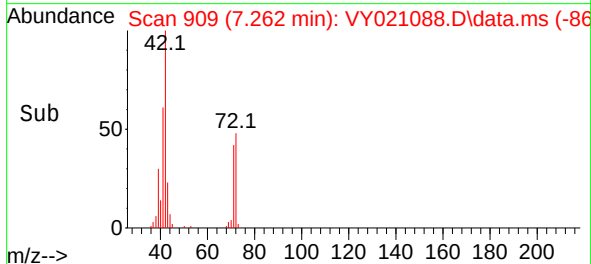
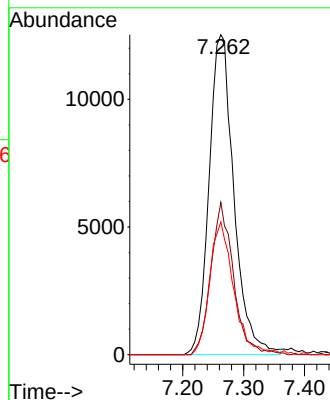
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	35472
Ion Ratio	Lower	Upper	
42	100		
72	43.5	36.6	54.8
71	40.1	33.8	50.6



#33

1,2-Dichloroethane-d4

Concen: 35.986 ug/l

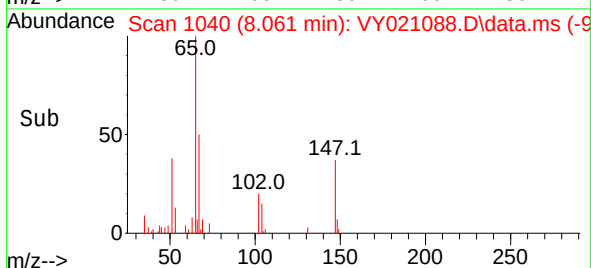
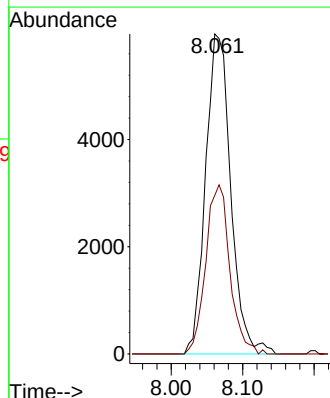
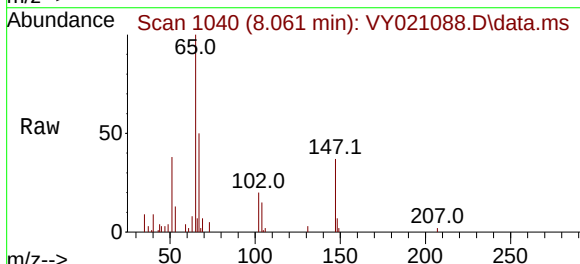
RT: 8.061 min Scan# 1040

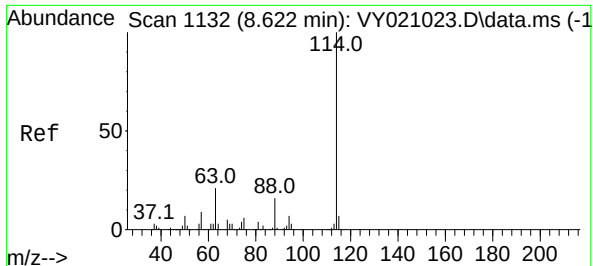
Delta R.T. -0.006 min

Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

Tgt Ion:	65	Resp:	14612
Ion Ratio	Lower	Upper	
65	100		
67	50.7	0.0	109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

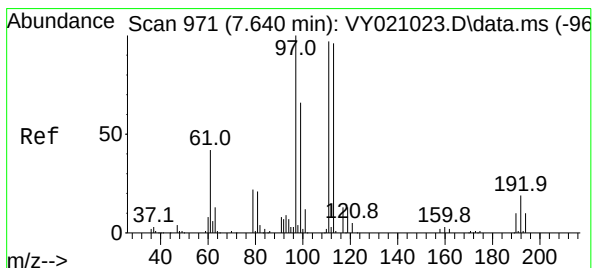
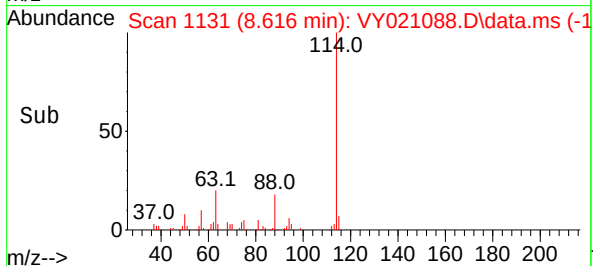
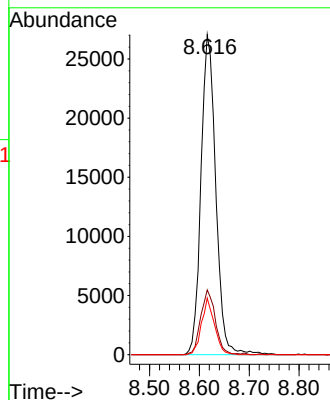
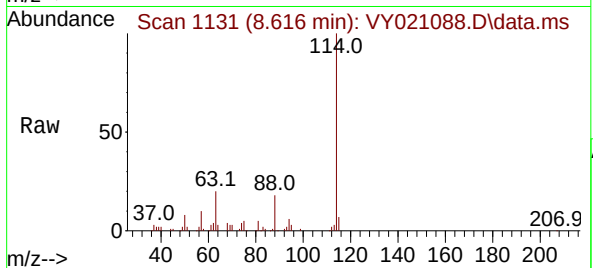
Tgt Ion:114 Resp: 55839

Ion Ratio Lower Upper

114 100

63 20.3 0.0 37.4

88 17.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 46.748 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

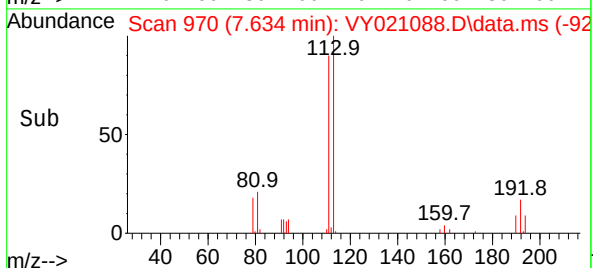
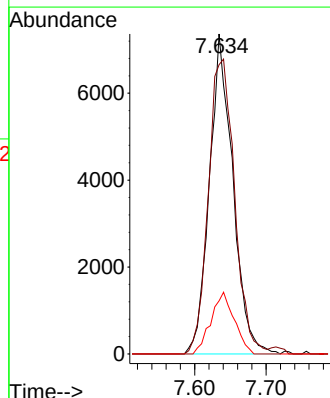
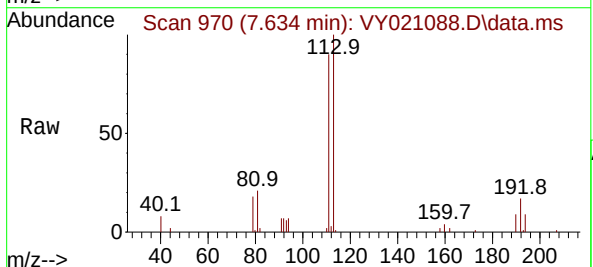
Tgt Ion:113 Resp: 16729

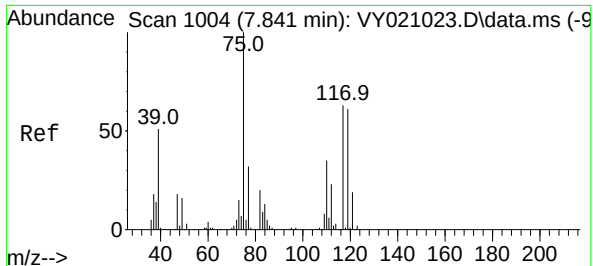
Ion Ratio Lower Upper

113 100

111 103.2 83.8 125.6

192 19.2 14.5 21.7

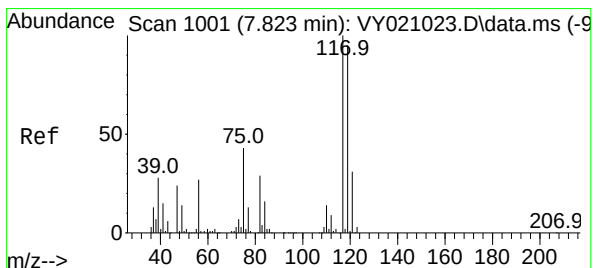
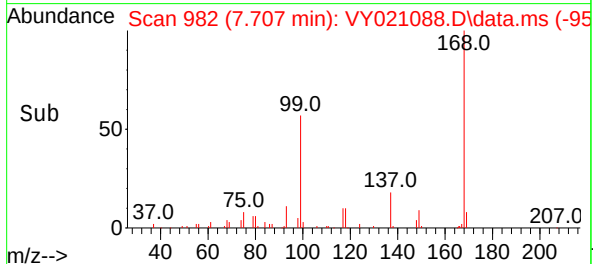
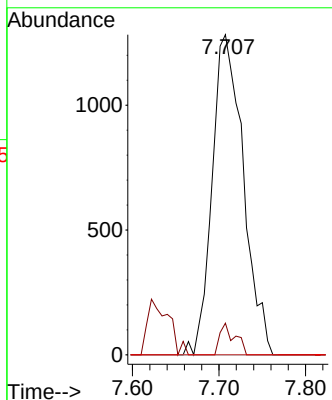
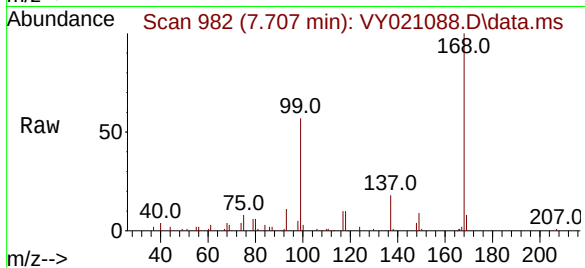




#36
1,1-Dichloropropene
Concen: 6.049 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

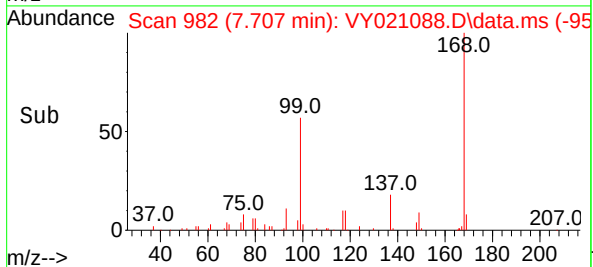
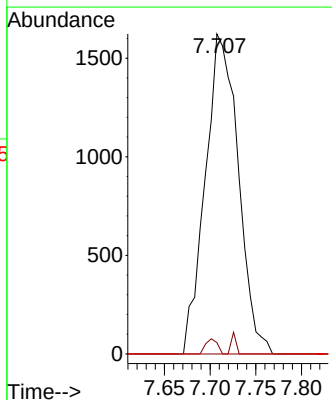
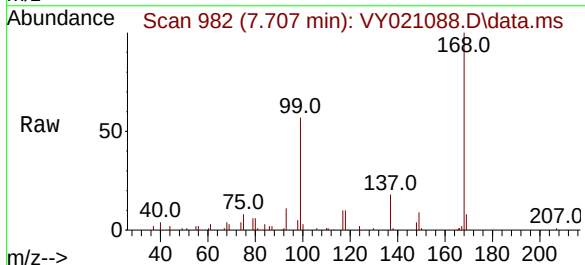
Instrument :
MSVOA_Y
ClientSampleId :

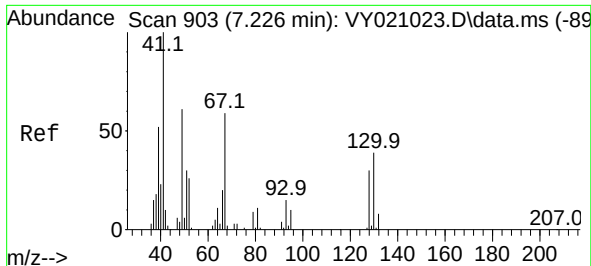
Tgt Ion: 75 Resp: 3206
Ion Ratio Lower Upper
75 100
110 4.8 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.588 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

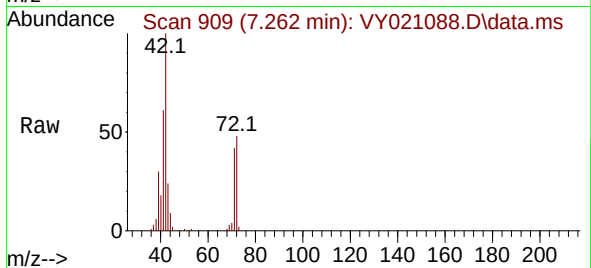
Tgt Ion: 117 Resp: 4080
Ion Ratio Lower Upper
117 100
119 3.5 76.0 114.0#
121 0.0 24.2 36.2#



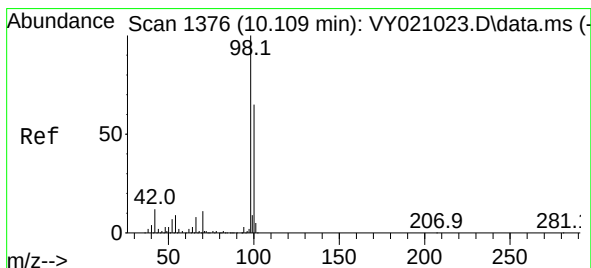
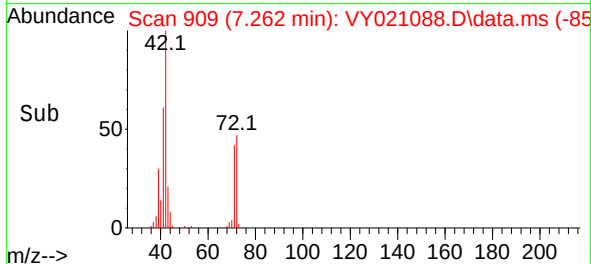
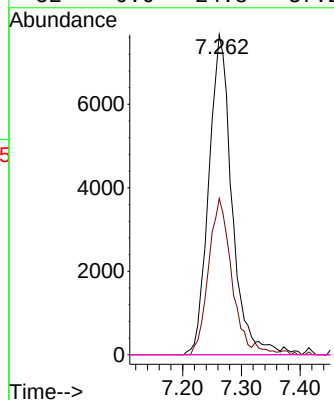


#41
Methacrylonitrile
Concen: 155.467 ug/l
RT: 7.262 min Scan# 903
Delta R.T. 0.037 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :

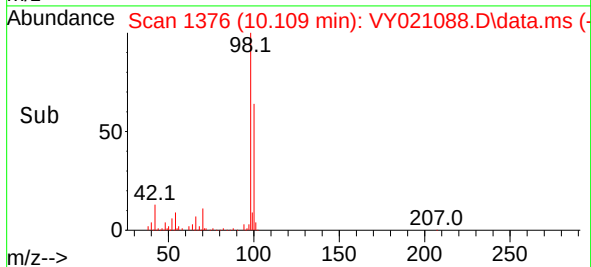
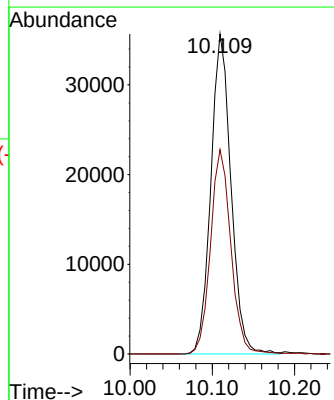
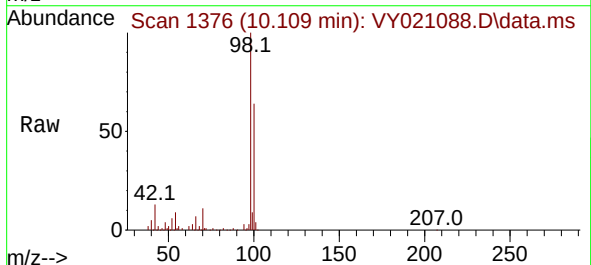


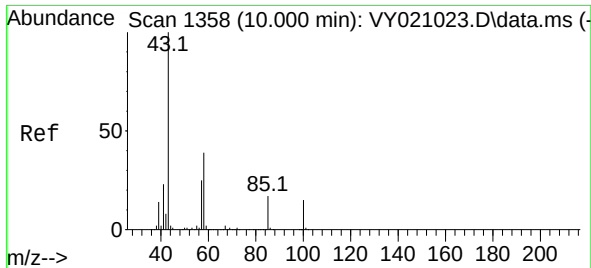
Tgt Ion: 41	Resp: 20914
Ion Ratio	Lower Upper
41	100
39	49.4 41.9 62.9
67	0.0 59.8 89.6#
52	0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.581 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

Tgt Ion: 98	Resp: 60736
Ion Ratio	Lower Upper
98	100
100	64.5 52.3 78.5

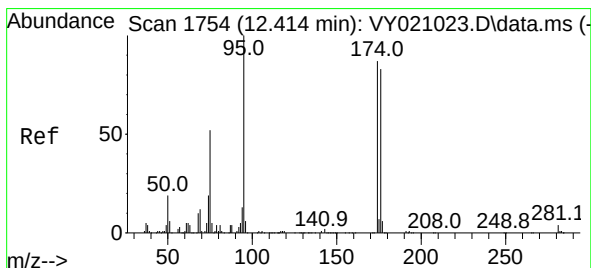
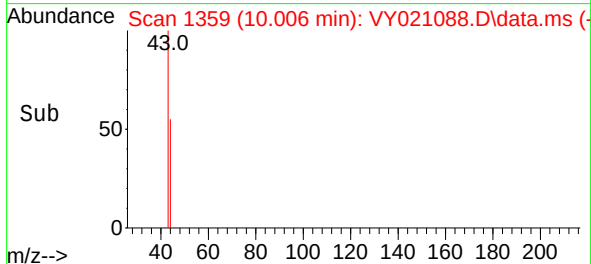
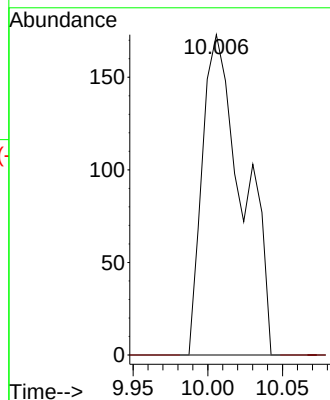
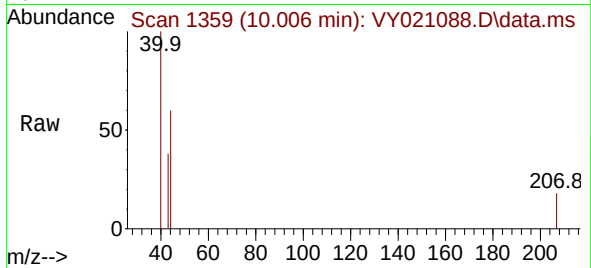




#51
4-Methyl-2-Pentanone
Concen: 1.399 ug/l
RT: 10.006 min Scan# 1358
Delta R.T. 0.006 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

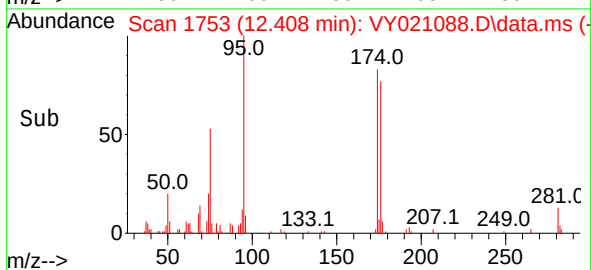
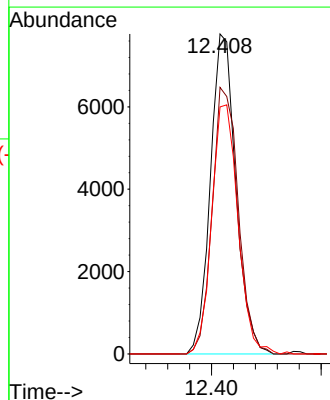
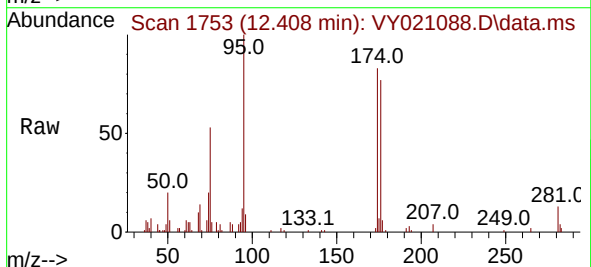
Instrument :
MSVOA_Y
ClientSampleId :

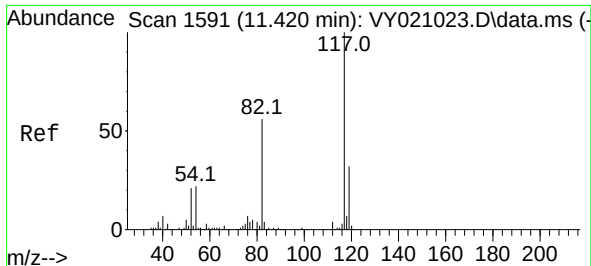
Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
58 0.0 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 28.125 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

Tgt Ion: 95 Resp: 12518
Ion Ratio Lower Upper
95 100
174 85.6 0.0 160.0
176 80.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

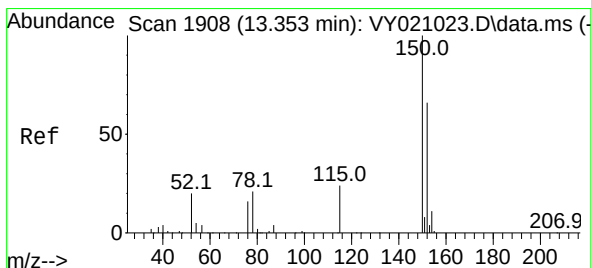
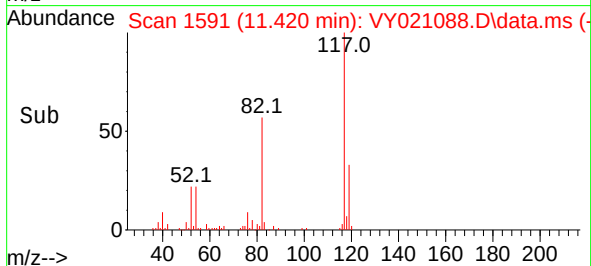
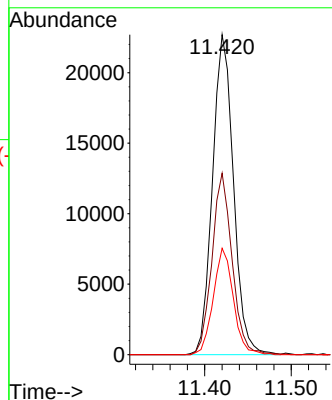
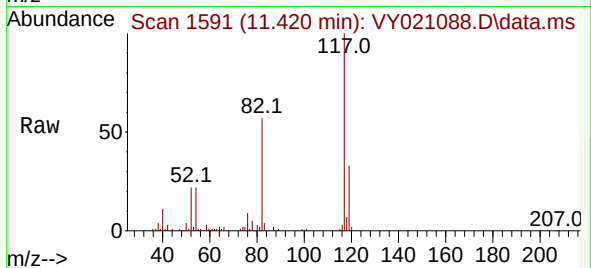
Tgt Ion:117 Resp: 38130

Ion Ratio Lower Upper

117 100

82 56.7 43.8 65.8

119 33.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.353 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

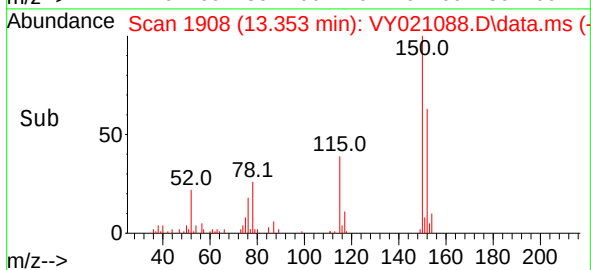
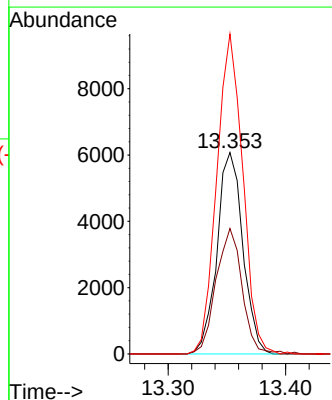
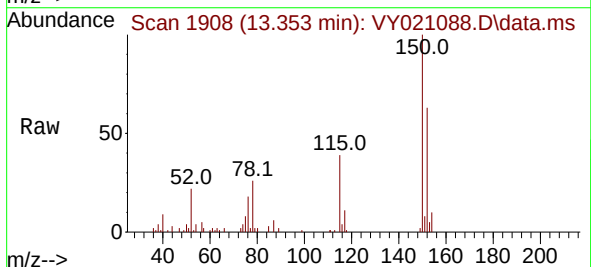
Tgt Ion:152 Resp: 9302

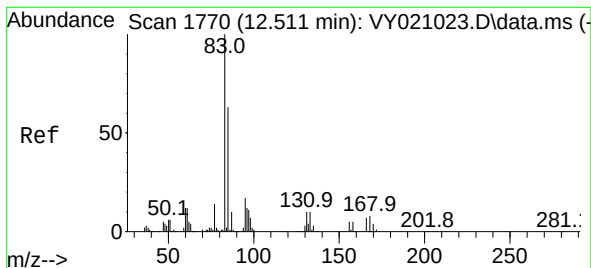
Ion Ratio Lower Upper

152 100

115 62.7 30.0 90.0

150 159.5 0.0 344.6





#75

1,1,2-Tetrachloroethane

Concen: 1.258 ug/l

RT: 12.341 min Scan# 1

Delta R.T. -0.171 min

Lab File: VY021088.D

Acq: 05 Feb 2025 15:01

Instrument :

MSVOA_Y

ClientSampleId :

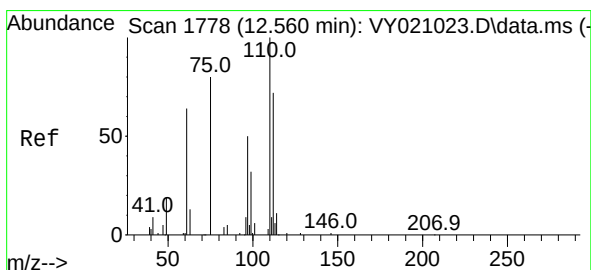
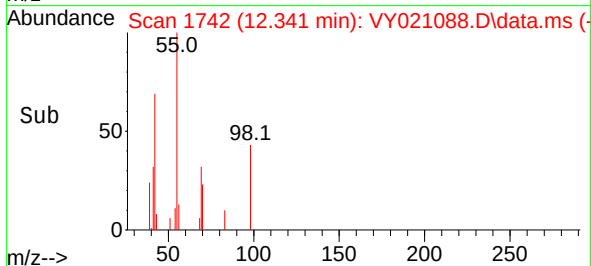
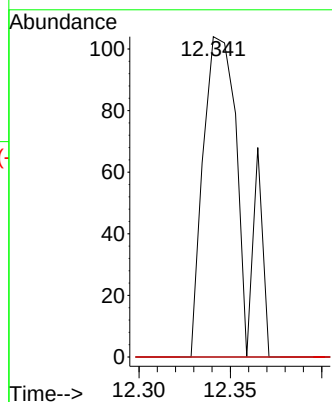
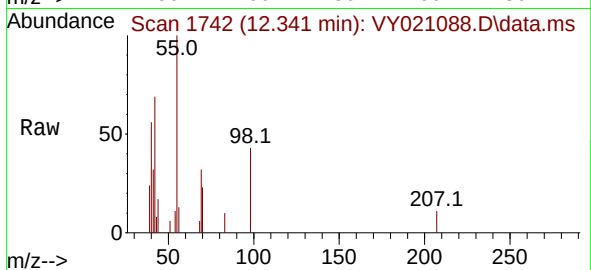
Tgt Ion: 83 Resp: 152

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.6#

85 0.0 32.6 98.0#



#76

1,2,3-Trichloropropane

Concen: 83.858 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.152 min

Lab File: VY021088.D

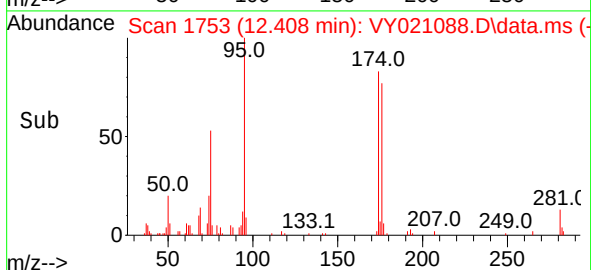
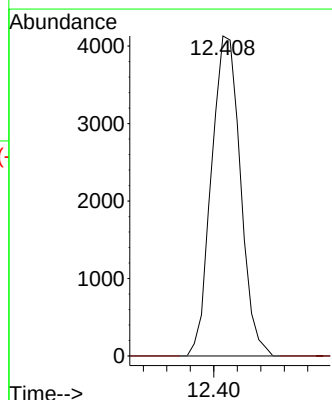
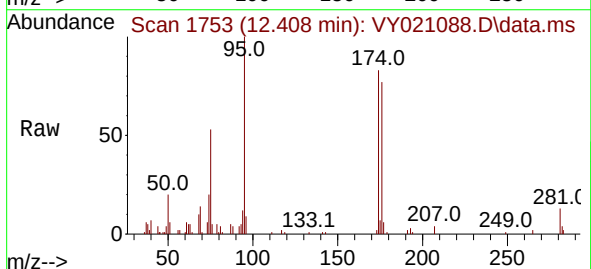
Acq: 05 Feb 2025 15:01

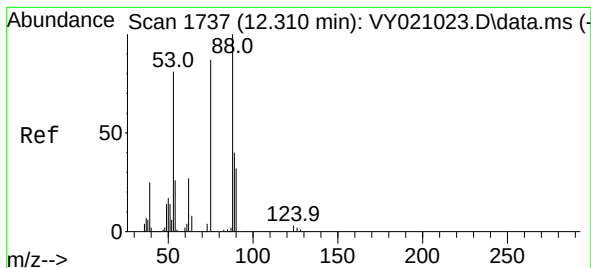
Tgt Ion: 75 Resp: 7076

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

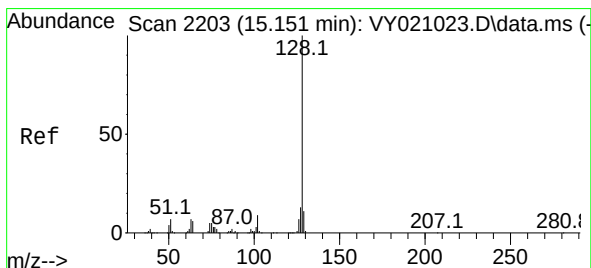
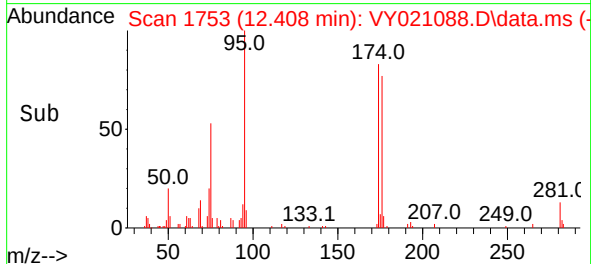
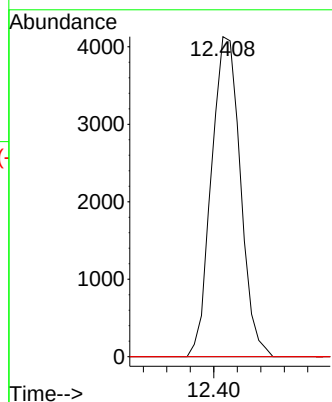
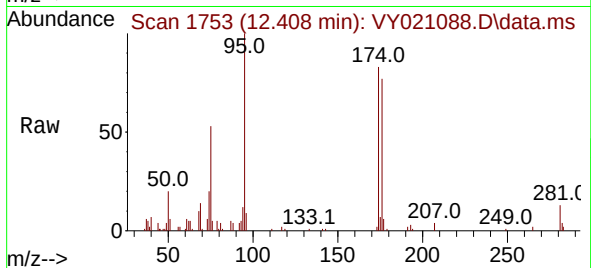




#81
trans-1,4-Dichloro-2-butene
Concen: 171.111 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.098 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 7076
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#



#95
Naphthalene
Concen: 1.079 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.000 min
Lab File: VY021088.D
Acq: 05 Feb 2025 15:01

Tgt Ion:128 Resp: 270
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

