

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120924\
 Data File : VY020551.D
 Acq On : 09 Dec 2024 13:23
 Operator : SY/MD
 Sample : P5174-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 10 04:00:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 01:39:23 2024
 Response via : Initial Calibration

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

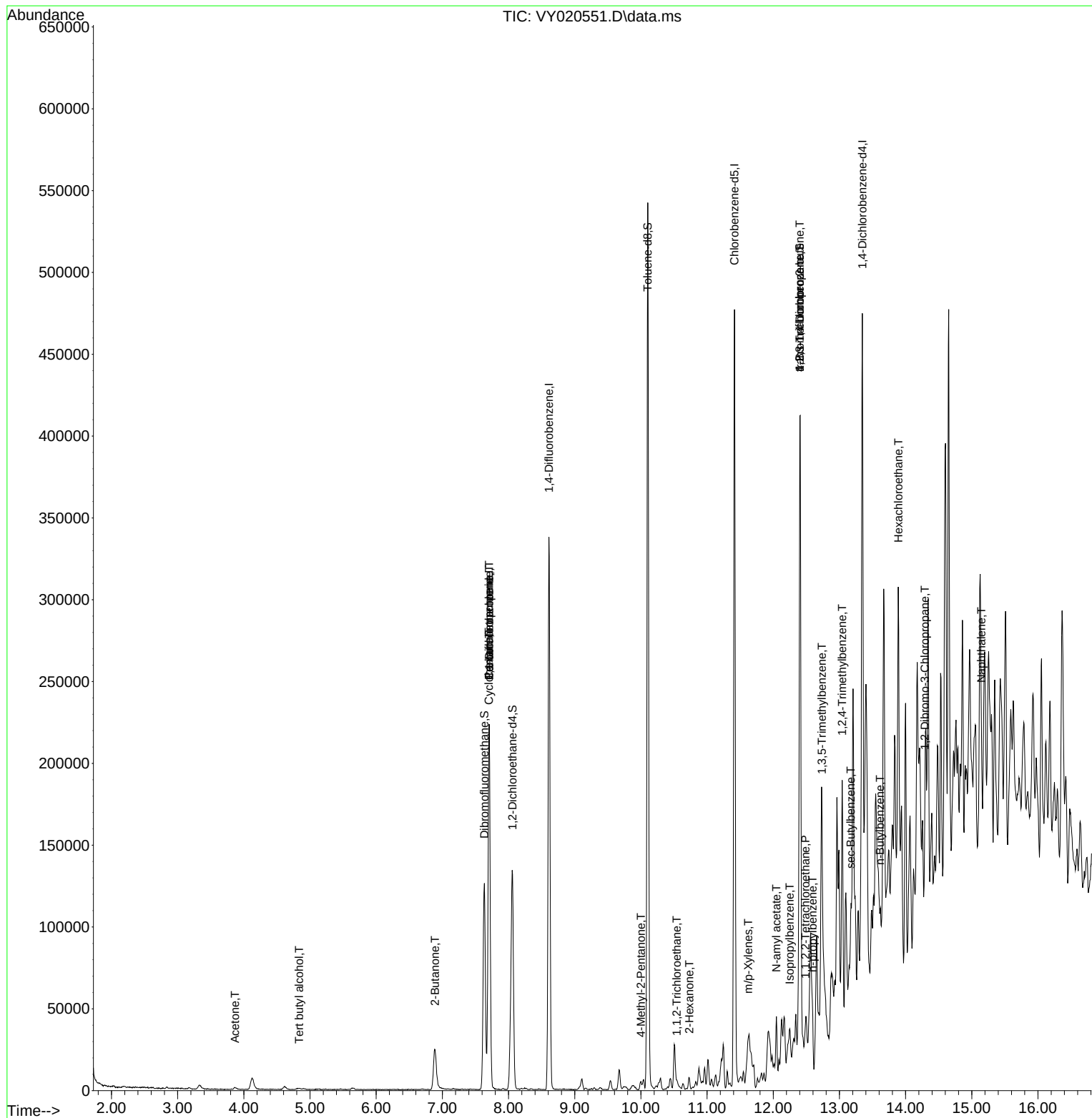
Internal Standards						
1) Pentafluorobenzene	7.707	168	165810	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	282170	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	244501	50.000	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	102972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	92472	54.837	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.680%			
35) Dibromofluoromethane	7.634	113	87822	49.438	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.880%			
50) Toluene-d8	10.103	98	341243	50.448	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.900%			
62) 4-Bromofluorobenzene	12.401	95	109166	46.144	ug/l	-0.01
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.280%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.836	59	841	7.688	ug/l #	73
16) Acetone	3.866	43	2377	5.669	ug/l	89
25) 2-Butanone	6.890	43	1686	3.184	ug/l #	71
31) Cyclohexane	7.701	56	3915	1.178	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	13389	4.463	ug/l #	52
38) Carbon Tetrachloride	7.707	117	17557	4.904	ug/l #	15
51) 4-Methyl-2-Pentanone	9.999	43	3813	3.217	ug/l	90
55) 1,1,2-Trichloroethane	10.542	97	1550	1.134	ug/l #	22
59) 2-Hexanone	10.731	43	2840	3.322	ug/l #	27
68) m/p-Xylenes	11.621	106	5688	1.352	ug/l	98
73) Isopropylbenzene	12.249	105	10430	1.047	ug/l	92
74) N-amyl acetate	12.048	43	8090	4.143	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.487	83	1561	1.089	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	60109	57.303	ug/l #	100
78) n-propylbenzene	12.596	91	22237	1.885	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	21341	2.673	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.401	75	60109	117.578	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.041	105	70798	9.123	ug/l	99
85) sec-Butylbenzene	13.170	105	20768	2.008	ug/l	85
89) n-Butylbenzene	13.615	91	17981	2.268	ug/l #	74
90) Hexachloroethane	13.889	117	6437	3.864	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.291	75	257	1.185	ug/l #	23
95) Naphthalene	15.145	128	12043	3.922	ug/l #	76

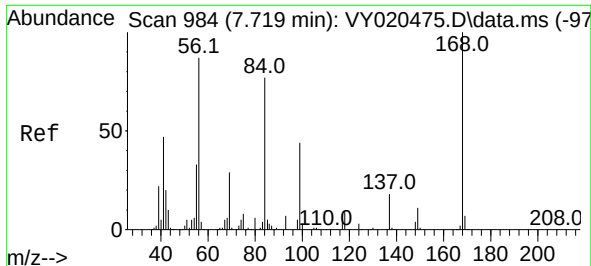
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 01:39:23 2024
Response via : Initial Calibration

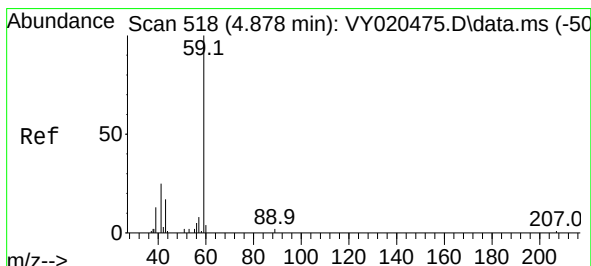
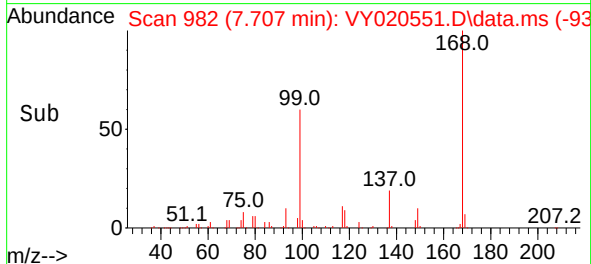
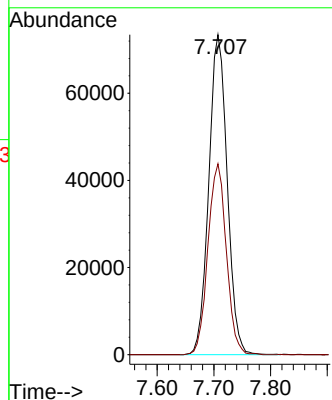
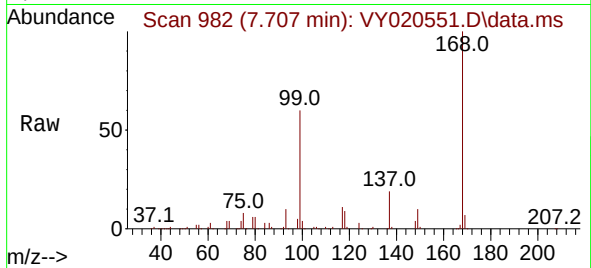




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

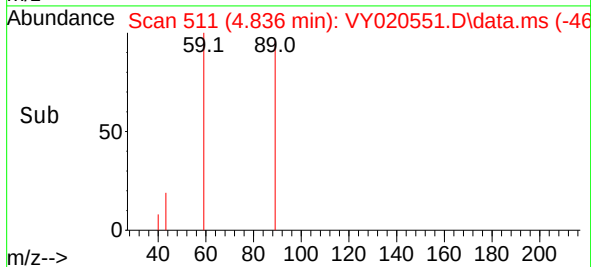
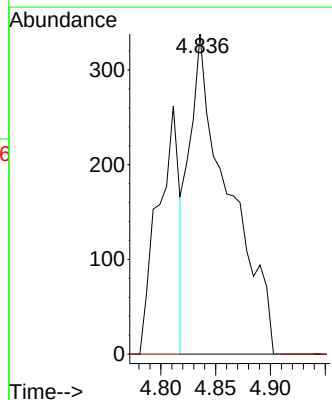
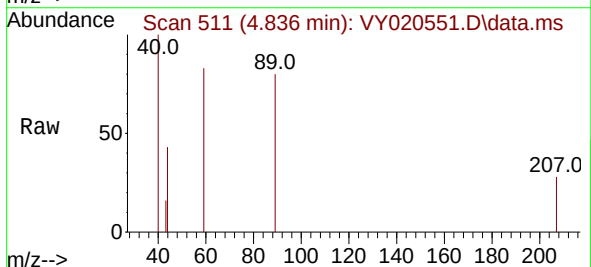
Instrument :
MSVOA_Y
ClientSampleId :

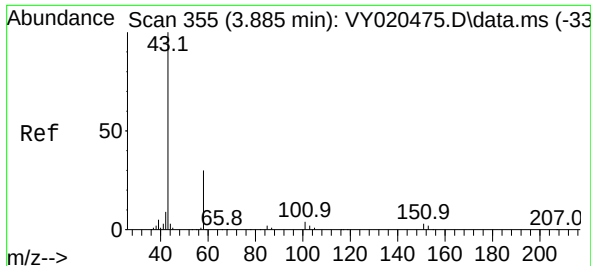
Tgt Ion:168 Resp: 165810
Ion Ratio Lower Upper
168 100
99 59.6 46.6 69.8



#11
Tert butyl alcohol
Concen: 7.688 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.043 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Tgt Ion: 59 Resp: 841
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#





#16

Acetone

Concen: 5.669 ug/l

RT: 3.866 min Scan# 3

Delta R.T. -0.018 min

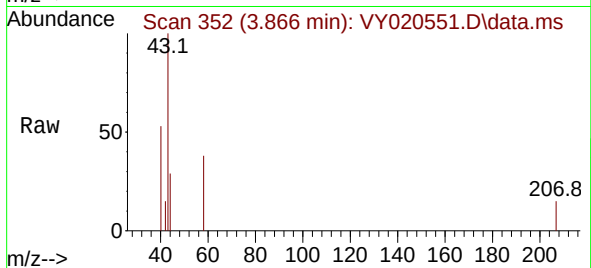
Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

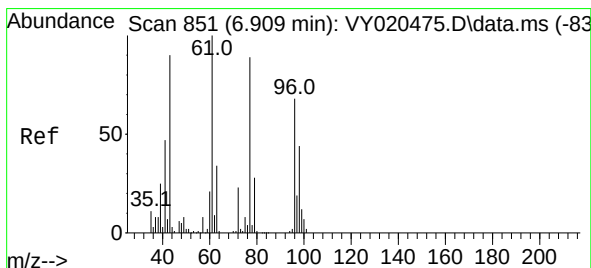
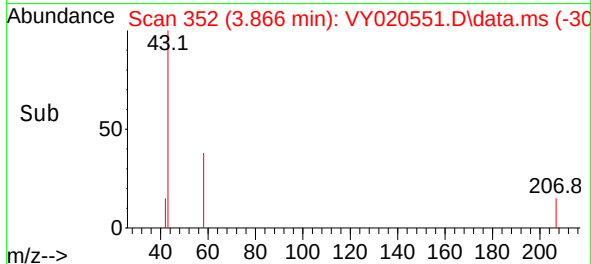
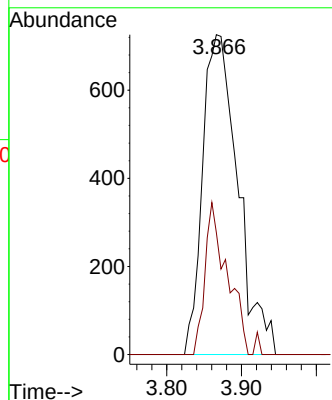


Tgt Ion: 43 Resp: 2377

Ion Ratio Lower Upper

43 100

58 38.2 25.7 38.5



#25

2-Butanone

Concen: 3.184 ug/l

RT: 6.890 min Scan# 848

Delta R.T. -0.018 min

Lab File: VY020551.D

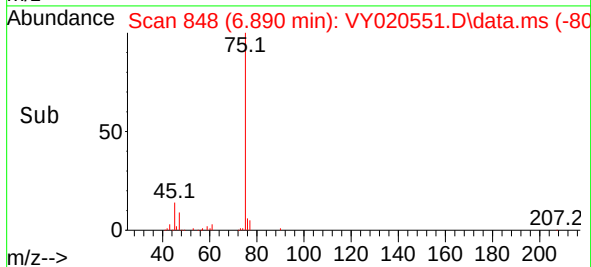
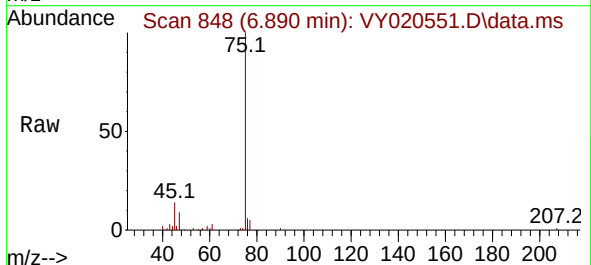
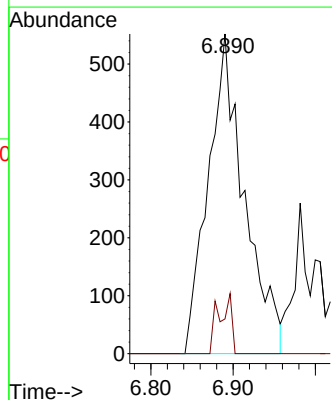
Acq: 09 Dec 2024 13:23

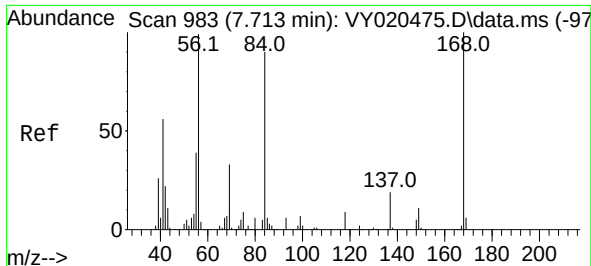
Tgt Ion: 43 Resp: 1686

Ion Ratio Lower Upper

43 100

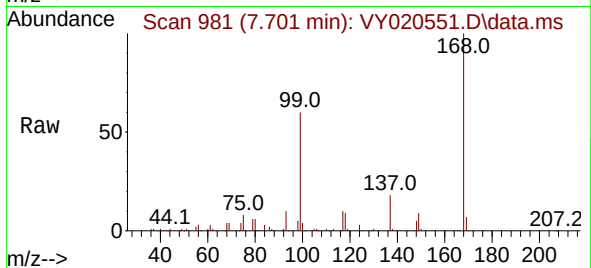
72 10.9 20.4 30.6#



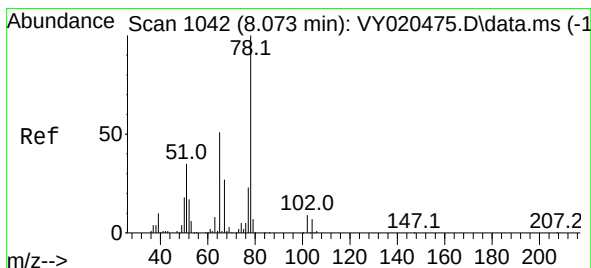
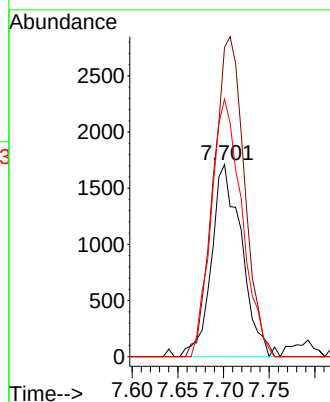
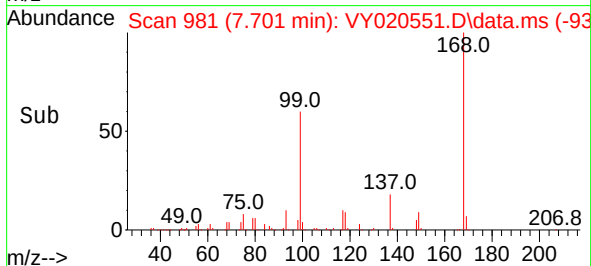


#31
Cyclohexane
Concen: 1.178 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

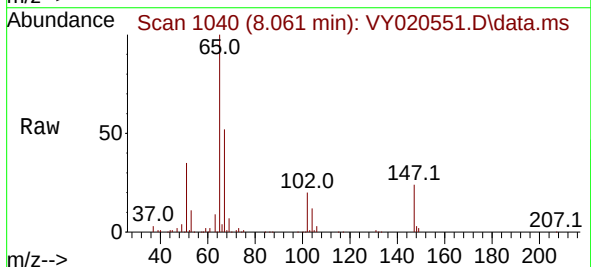
Instrument :
MSVOA_Y
ClientSampleId :



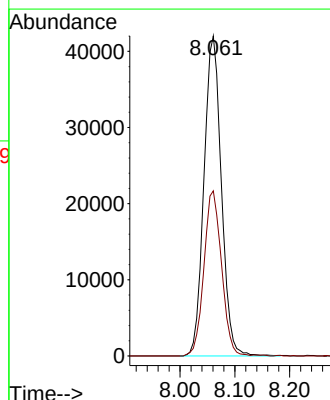
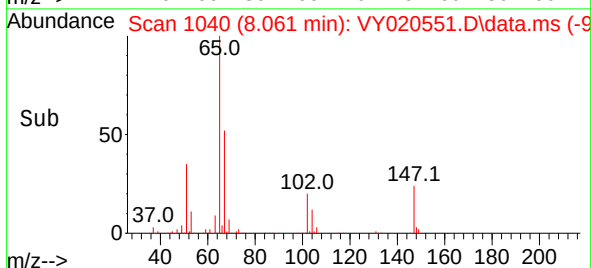
Tgt Ion: 56 Resp: 3915
Ion Ratio Lower Upper
56 100
69 161.0 25.3 37.9#
84 134.0 66.9 100.3#

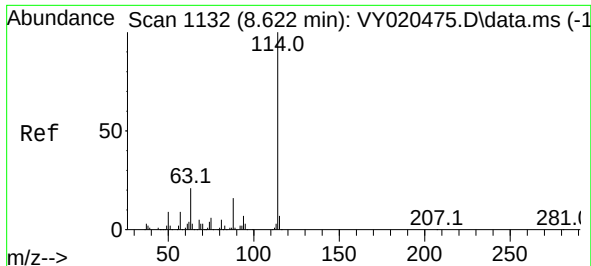


#33
1,2-Dichloroethane-d4
Concen: 54.837 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23



Tgt Ion: 65 Resp: 92472
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.8

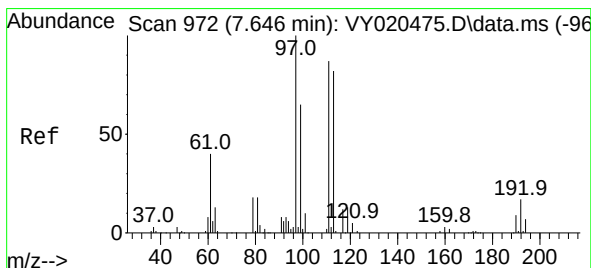
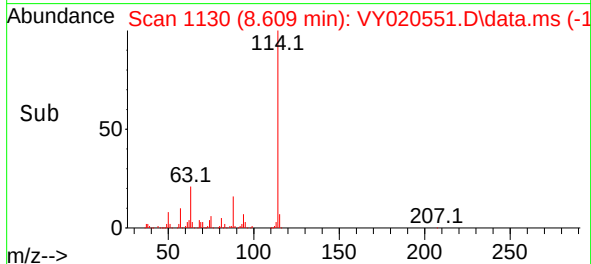
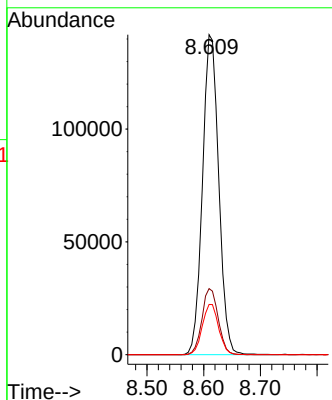
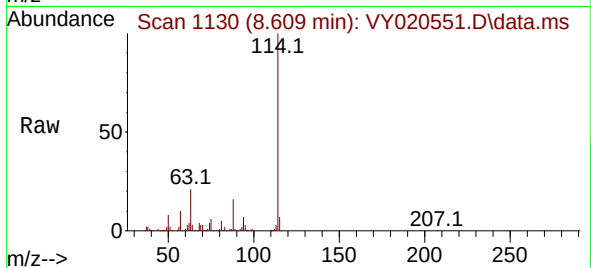




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1132
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

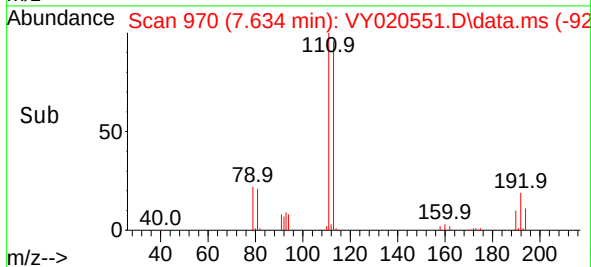
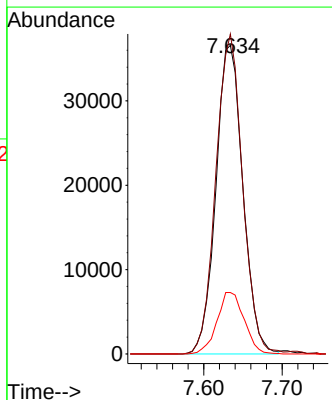
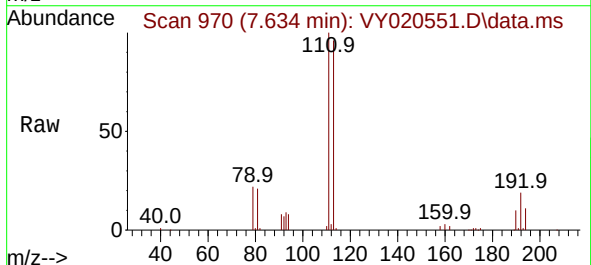
Instrument :
MSVOA_Y
ClientSampleId :

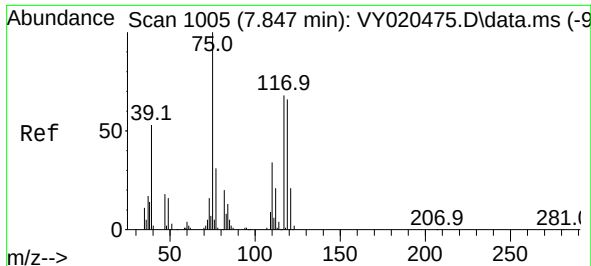
Tgt Ion:114 Resp: 282170
Ion Ratio Lower Upper
114 100
63 20.7 0.0 44.8
88 15.7 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.438 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Tgt Ion:113 Resp: 87822
Ion Ratio Lower Upper
113 100
111 102.4 81.4 122.0
192 20.0 15.1 22.7

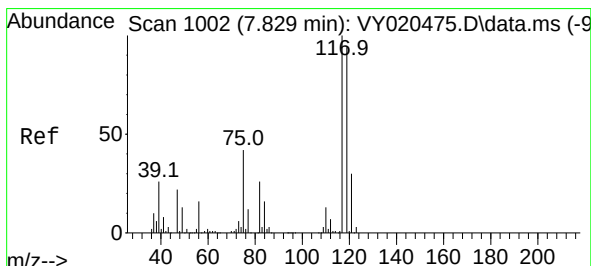
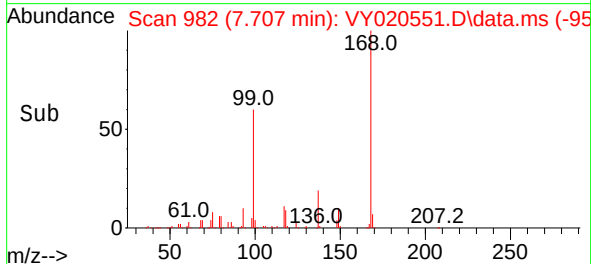
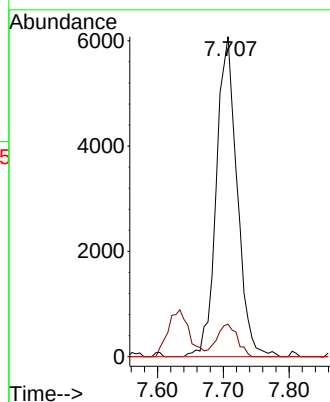
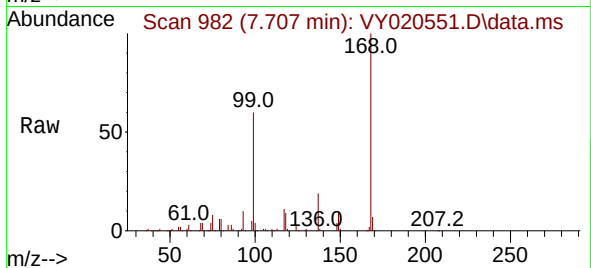




#36
1,1-Dichloropropene
Concen: 4.463 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.140 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

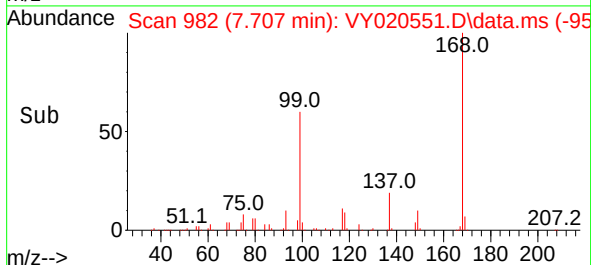
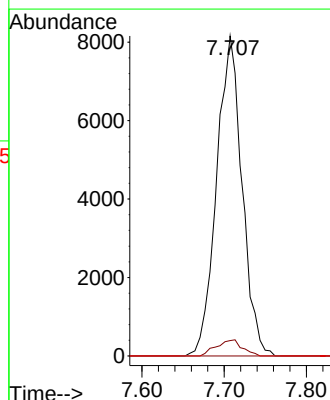
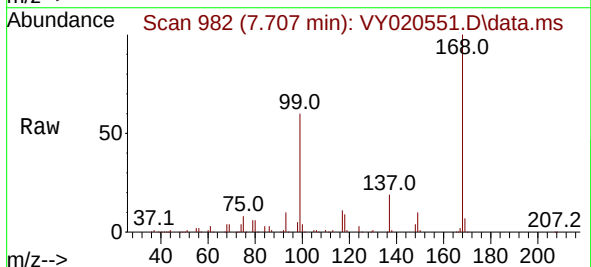
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MSVOA_Y
ClientSampleId :

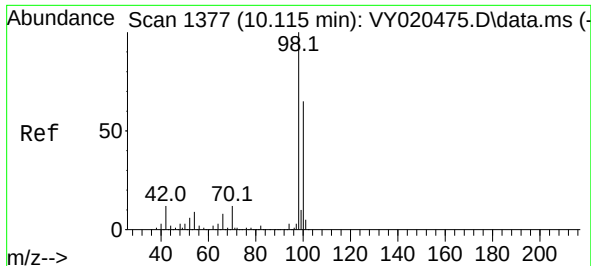
Tgt Ion: 75 Resp: 13389
Ion Ratio Lower Upper
75 100
110 10.2 16.7 50.0#
77 0.0 24.6 36.8#



#38
Carbon Tetrachloride
Concen: 4.904 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Tgt Ion: 117 Resp: 17557
Ion Ratio Lower Upper
117 100
119 4.8 77.8 116.6#
121 0.0 24.6 37.0#





#50

Toluene-d8

Concen: 50.448 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.012 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Instrument :

MSVOA_Y

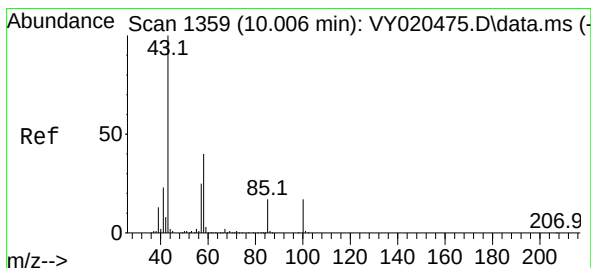
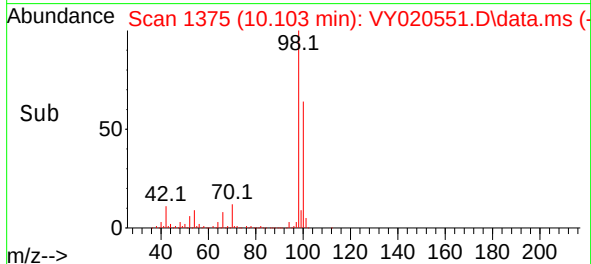
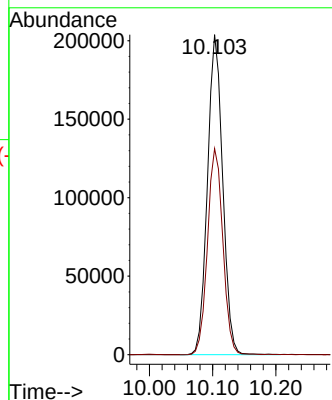
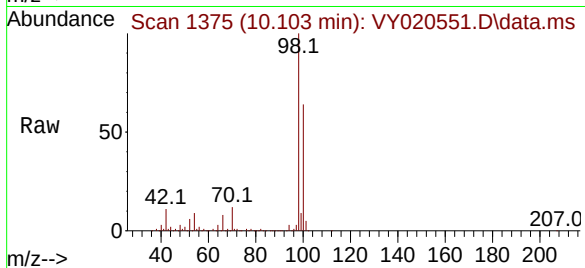
ClientSampleId :

Tgt Ion: 98 Resp: 341243

Ion Ratio Lower Upper

98 100

100 65.0 51.3 76.9



#51

4-Methyl-2-Pentanone

Concen: 3.217 ug/l

RT: 9.999 min Scan# 1358

Delta R.T. -0.006 min

Lab File: VY020551.D

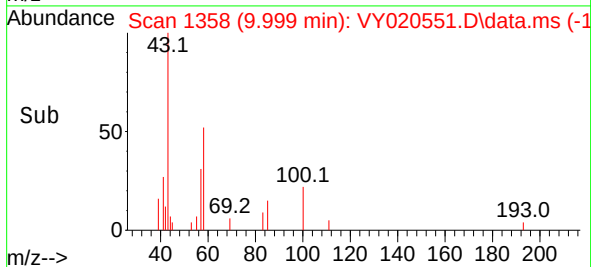
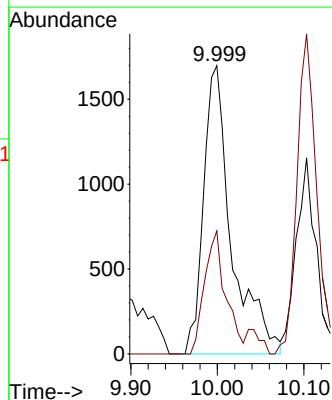
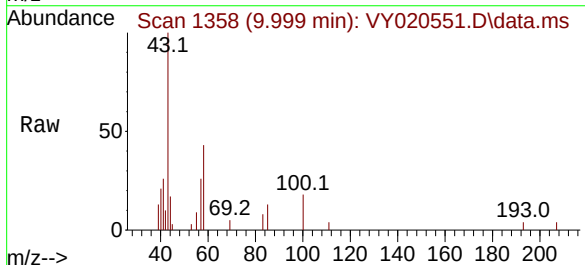
Acq: 09 Dec 2024 13:23

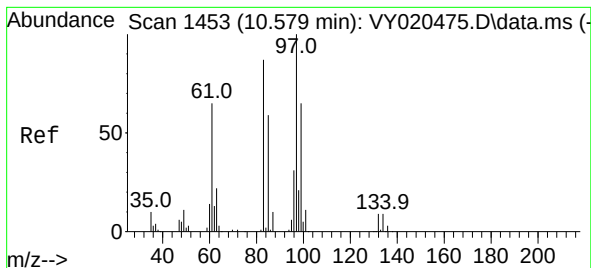
Tgt Ion: 43 Resp: 3813

Ion Ratio Lower Upper

43 100

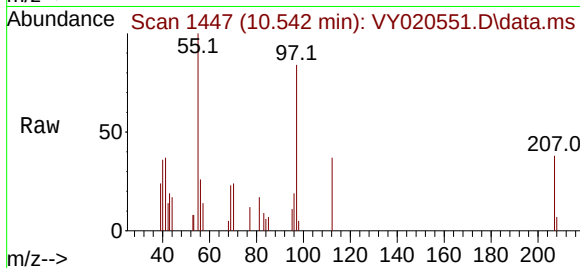
58 32.3 30.9 46.3



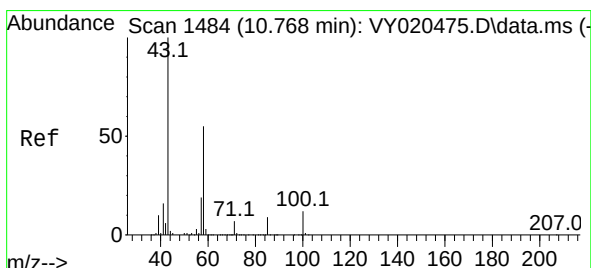
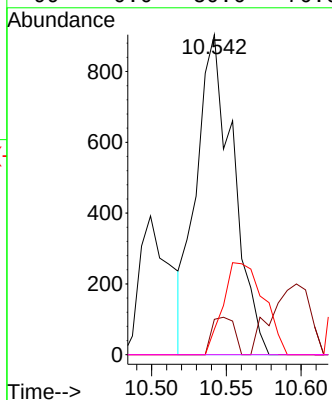
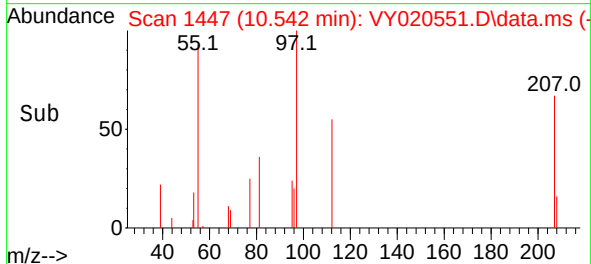


#55
1,1,2-Trichloroethane
Concen: 1.134 ug/l
RT: 10.542 min Scan# 1447
Delta R.T. -0.037 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Instrument :
MSVOA_Y
ClientSampleId :

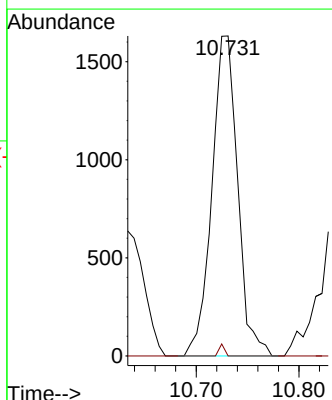
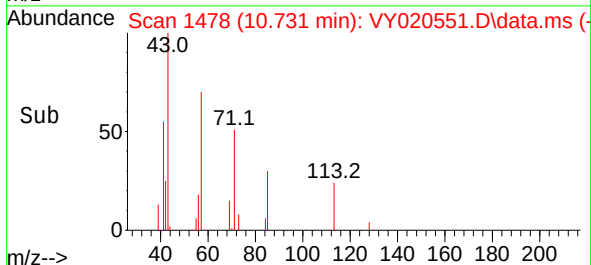
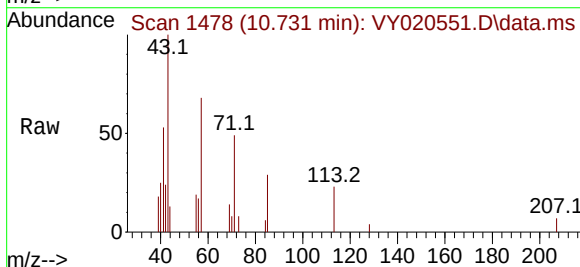


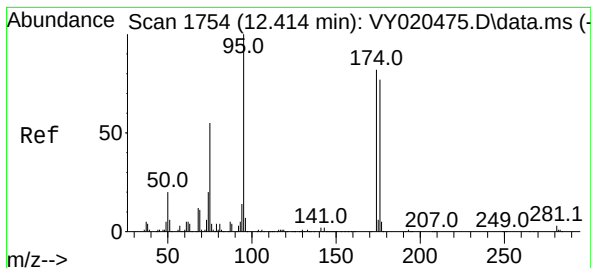
Tgt Ion:	97	Resp:	1550
Ion	Ratio	Lower	Upper
97	100		
83	11.1	70.8	106.2#
85	8.0	44.9	67.3#
99	0.0	50.6	76.0#



#59
2-Hexanone
Concen: 3.322 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.037 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Tgt Ion:	43	Resp:	2840
Ion	Ratio	Lower	Upper
43	100		
58	0.8	26.4	79.2#

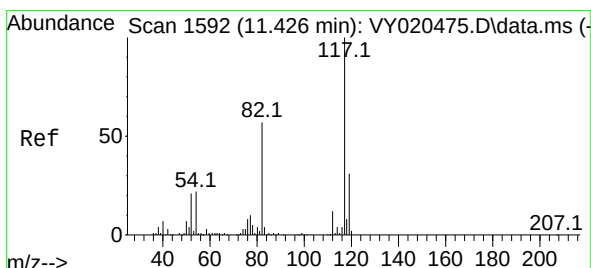
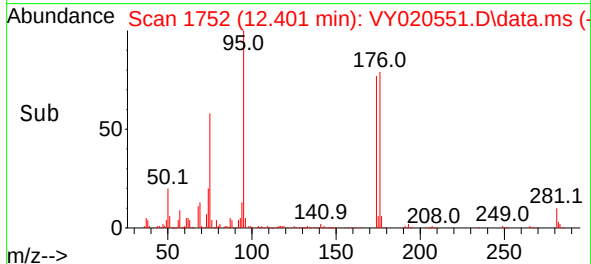
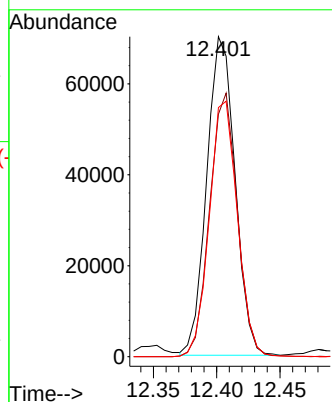
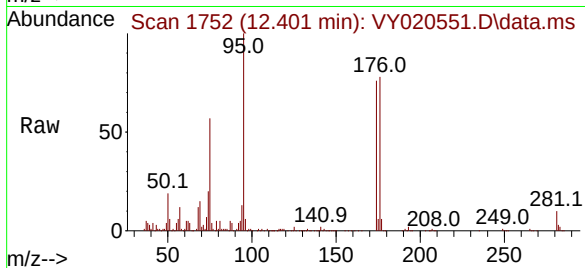




#62
4-Bromofluorobenzene
Concen: 46.144 ug/l
RT: 12.401 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

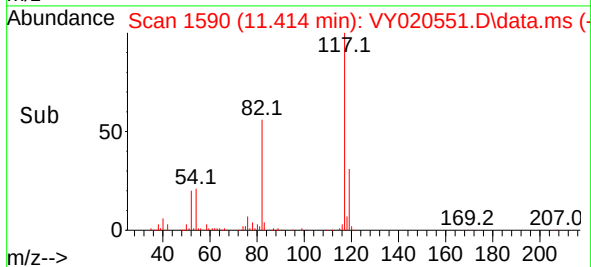
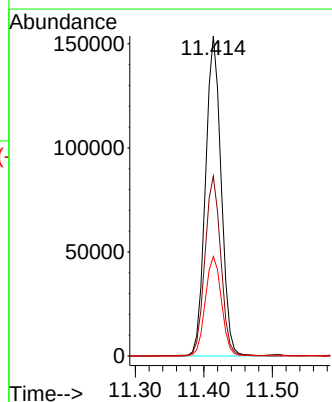
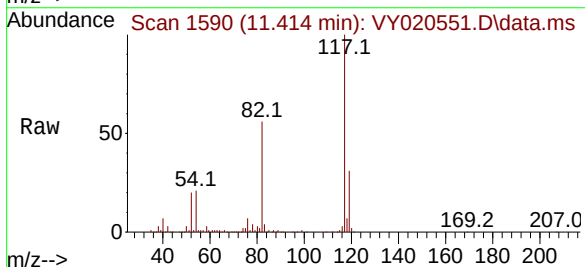
Instrument :
MSVOA_Y
ClientSampleId :

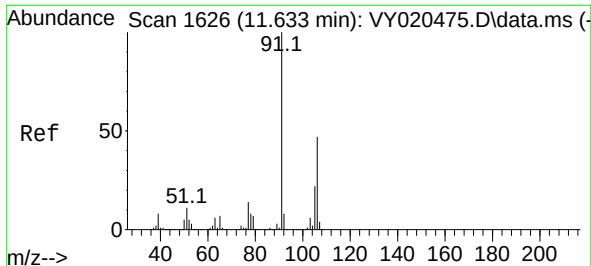
Tgt Ion: 95 Resp: 109166
Ion Ratio Lower Upper
95 100
174 81.2 0.0 156.8
176 79.7 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Tgt Ion: 117 Resp: 244501
Ion Ratio Lower Upper
117 100
82 56.0 48.2 72.4
119 31.0 25.8 38.8

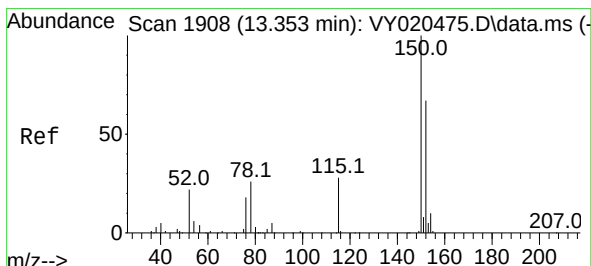
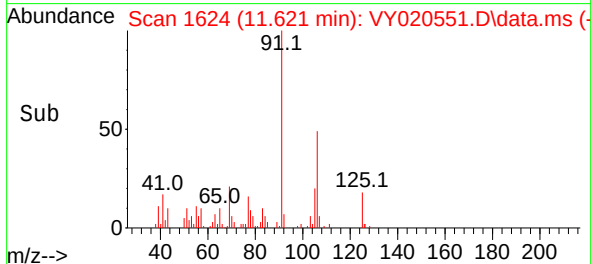
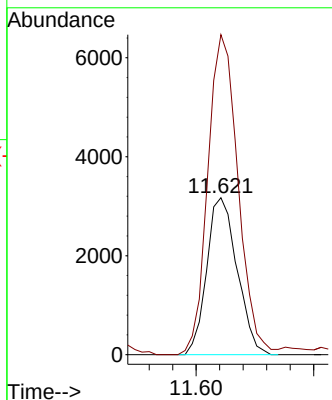
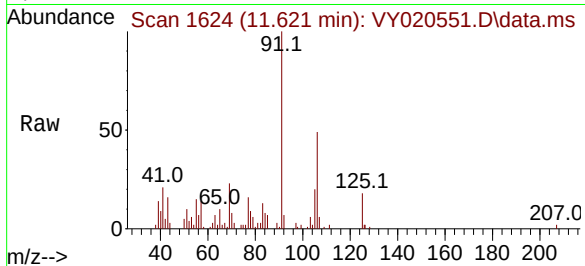




#68
m/p-Xylenes
Concen: 1.352 ug/l
RT: 11.621 min Scan# 11
Delta R.T. -0.012 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

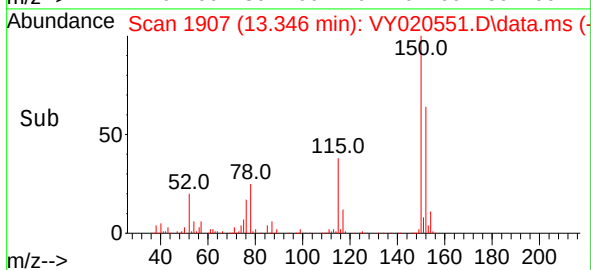
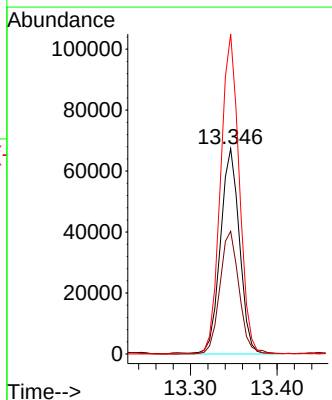
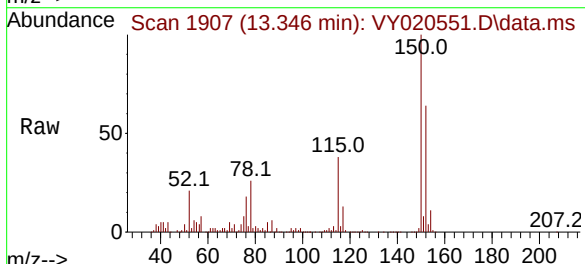
Instrument :
MSVOA_Y
ClientSampleId :

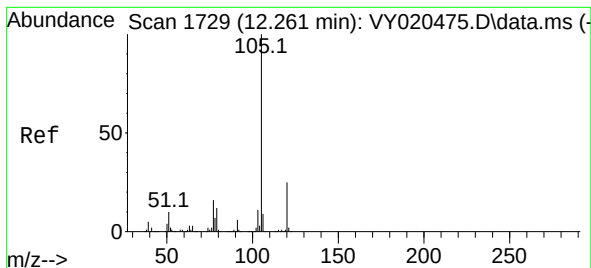
Tgt Ion:106 Resp: 5688
Ion Ratio Lower Upper
106 100
91 203.8 166.0 249.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Tgt Ion:152 Resp: 102972
Ion Ratio Lower Upper
152 100
115 59.8 30.0 90.0
150 152.1 0.0 348.2





#73

Isopropylbenzene

Concen: 1.047 ug/l

RT: 12.249 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Instrument :

MSVOA_Y

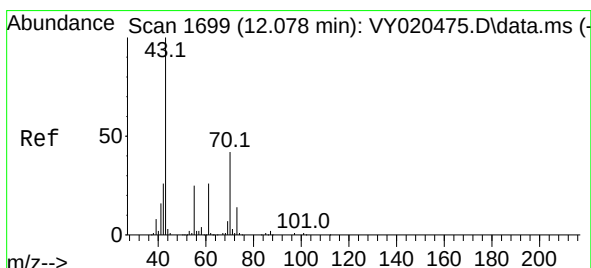
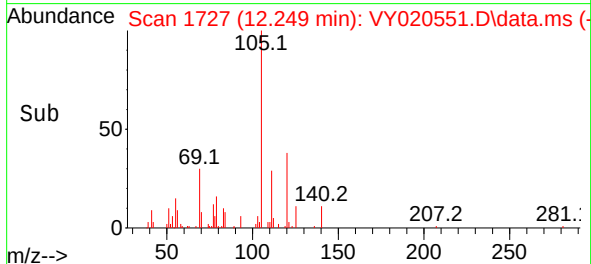
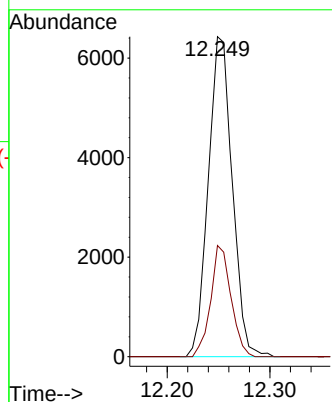
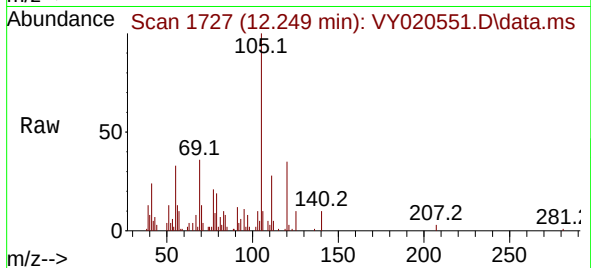
ClientSampleId :

Tgt Ion:105 Resp: 10430

Ion Ratio Lower Upper

105 100

120 29.5 12.7 38.1



#74

N-ethyl acetate

Concen: 4.143 ug/l

RT: 12.048 min Scan# 1694

Delta R.T. -0.031 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Tgt Ion: 43 Resp: 8090

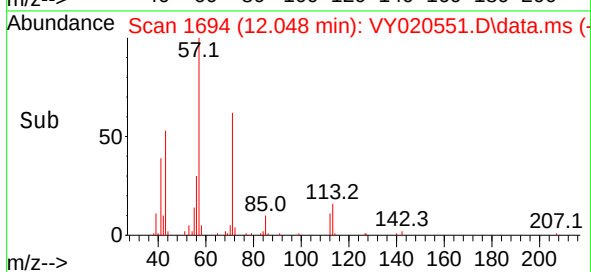
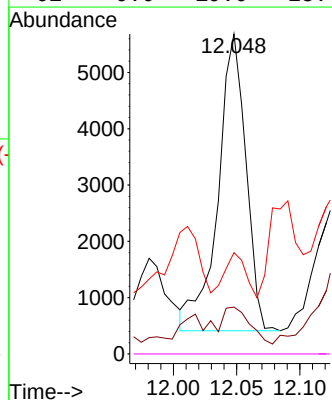
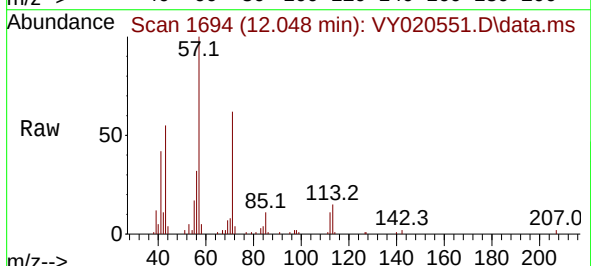
Ion Ratio Lower Upper

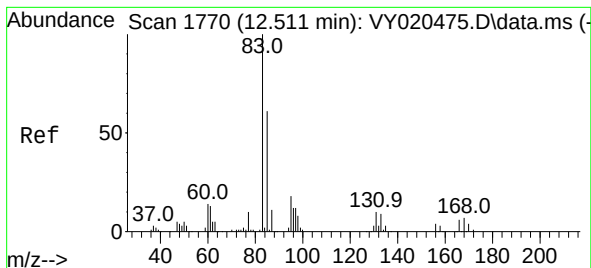
43 100

70 11.4 32.9 49.3#

55 11.2 19.3 28.9#

61 0.0 19.0 28.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.089 ug/l

RT: 12.487 min Scan# 1752

Delta R.T. -0.025 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Instrument :

MSVOA_Y

ClientSampleId :

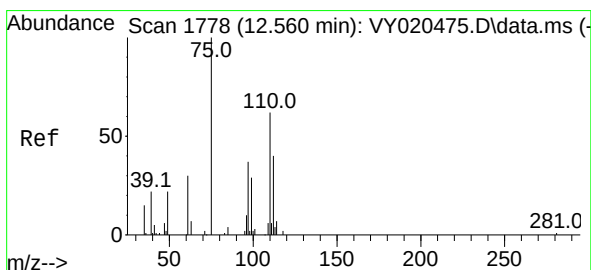
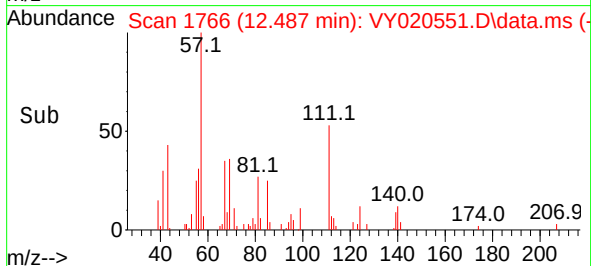
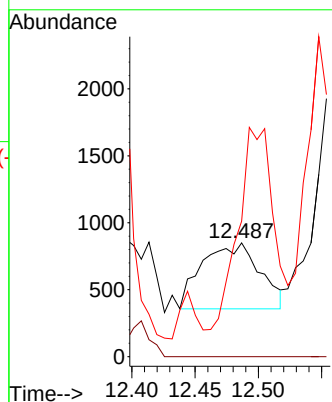
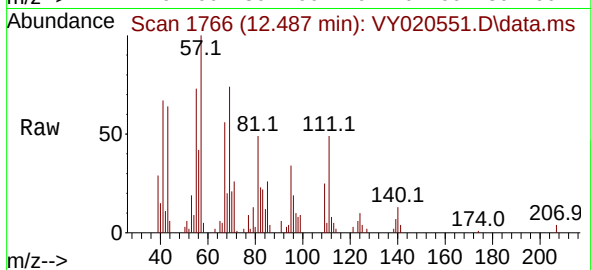
Tgt Ion: 83 Resp: 1561

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

85 188.1 32.0 96.0#



#76

1,2,3-Trichloropropane

Concen: 57.303 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.159 min

Lab File: VY020551.D

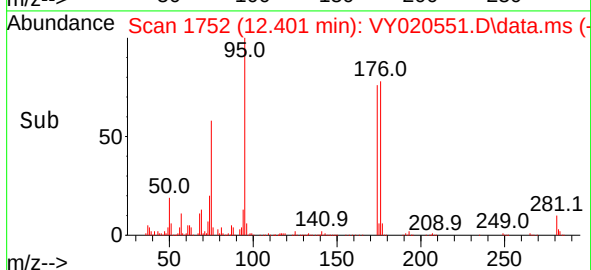
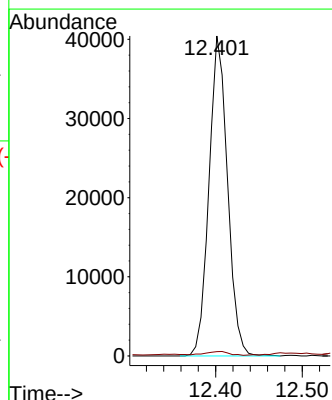
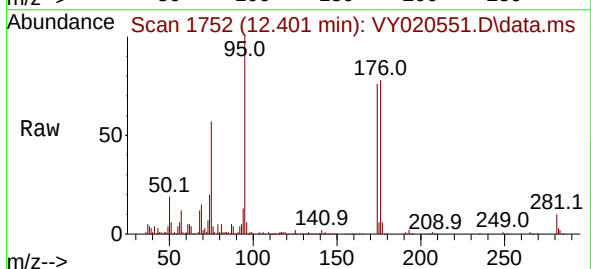
Acq: 09 Dec 2024 13:23

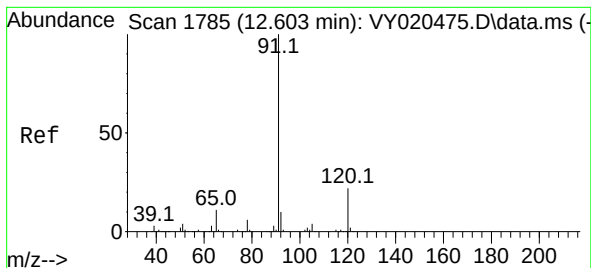
Tgt Ion: 75 Resp: 60109

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#





#78

n-propylbenzene

Concen: 1.885 ug/l

RT: 12.596 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Instrument :

MSVOA_Y

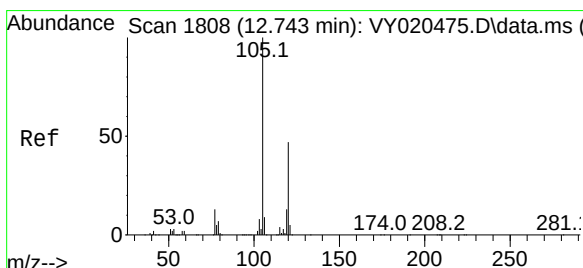
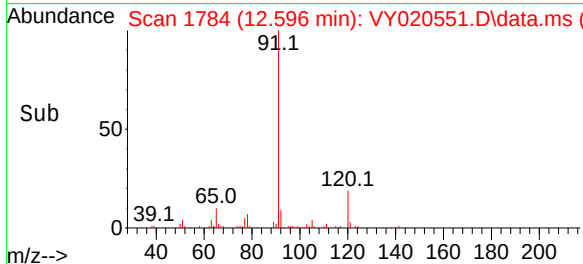
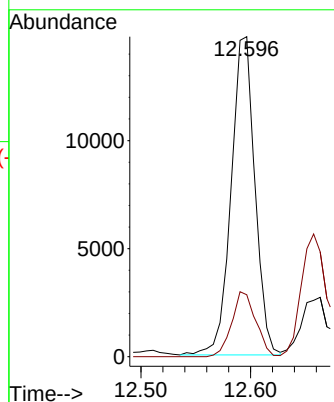
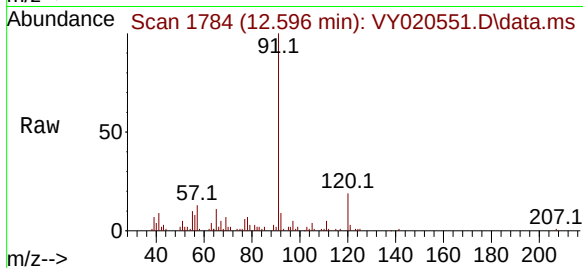
ClientSampleId :

Tgt Ion: 91 Resp: 22237

Ion Ratio Lower Upper

91 100

120 20.6 10.9 32.6



#80

1,3,5-Trimethylbenzene

Concen: 2.673 ug/l

RT: 12.737 min Scan# 1807

Delta R.T. -0.006 min

Lab File: VY020551.D

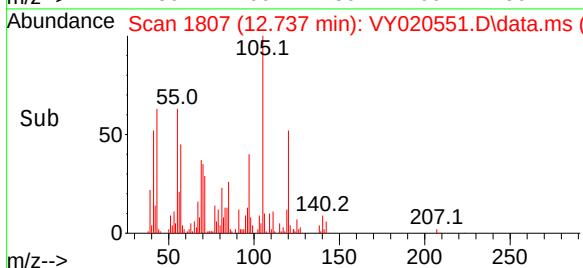
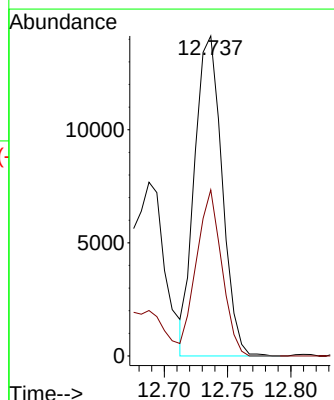
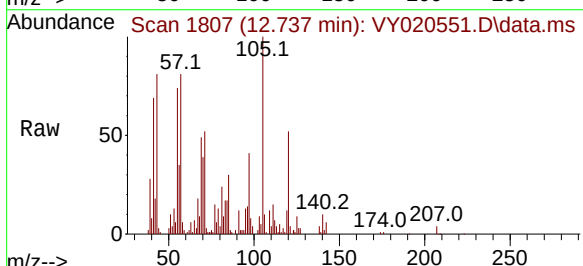
Acq: 09 Dec 2024 13:23

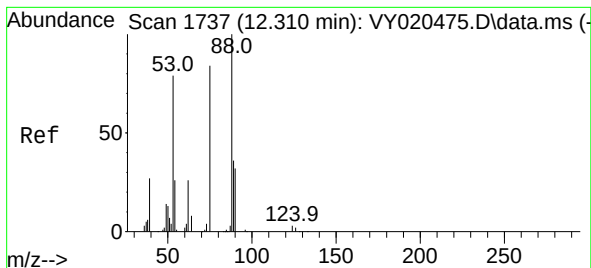
Tgt Ion:105 Resp: 21341

Ion Ratio Lower Upper

105 100

120 48.2 24.3 72.8

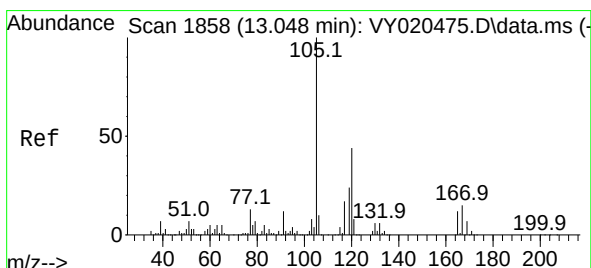
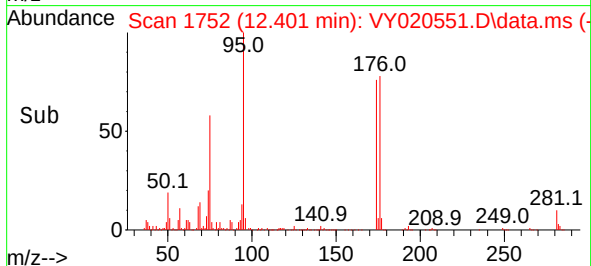
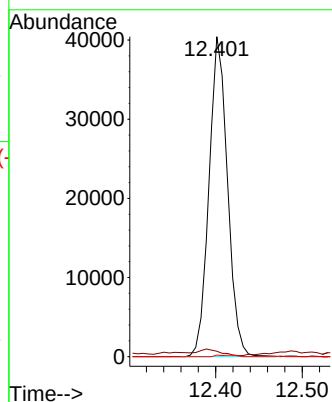
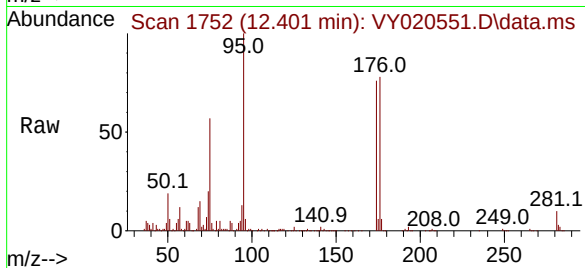




#81
trans-1,4-Dichloro-2-butene
Concen: 117.578 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.091 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

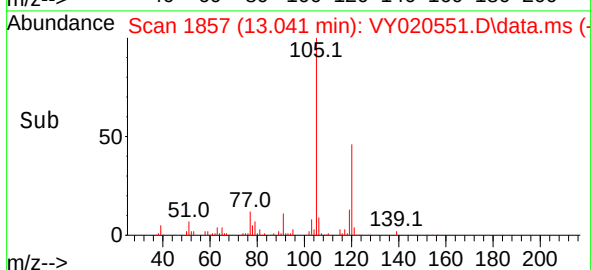
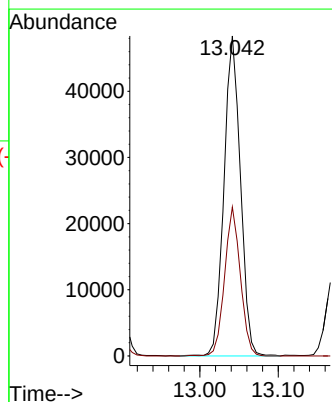
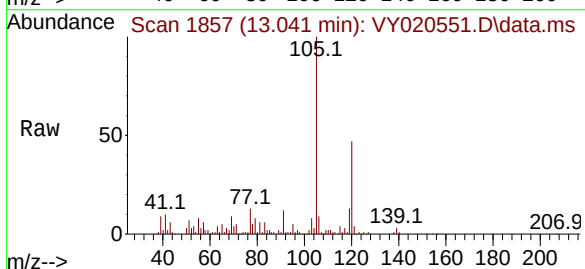
Instrument :
MSVOA_Y
ClientSampleId :

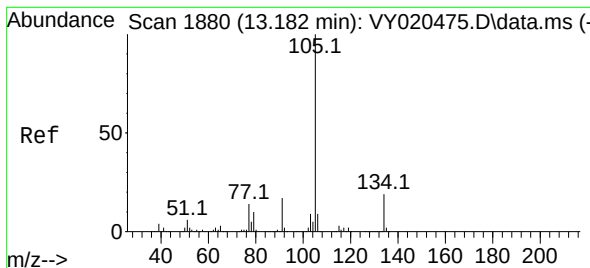
Tgt Ion: 75 Resp: 60109
Ion Ratio Lower Upper
75 100
53 2.3 81.1 121.7#
89 0.5 35.1 52.7#



#84
1,2,4-Trimethylbenzene
Concen: 9.123 ug/l
RT: 13.041 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Tgt Ion:105 Resp: 70798
Ion Ratio Lower Upper
105 100
120 44.5 22.0 66.0





#85

sec-Butylbenzene

Concen: 2.008 ug/l

RT: 13.170 min Scan# 1880

Delta R.T. -0.012 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Instrument :

MSVOA_Y

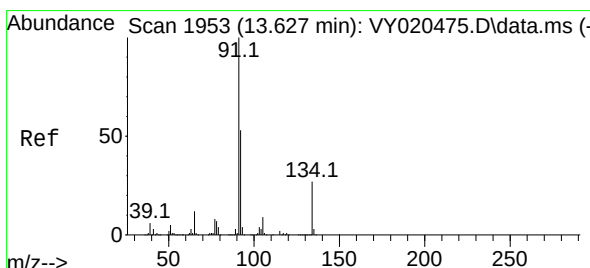
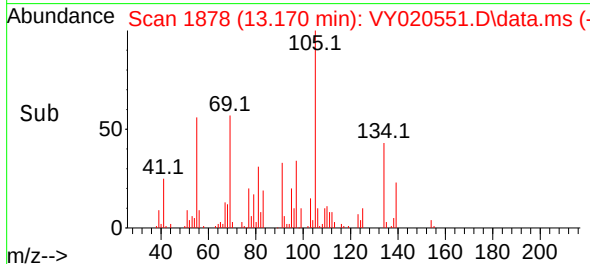
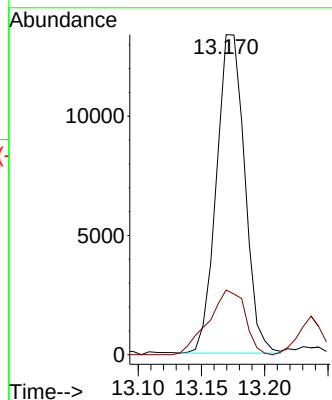
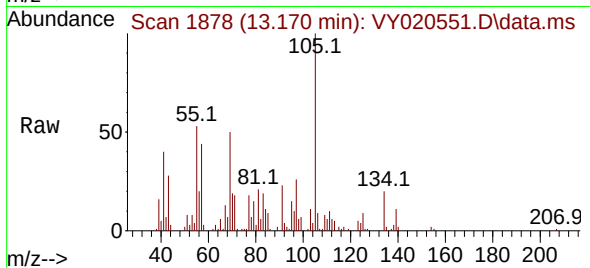
ClientSampleId :

Tgt Ion:105 Resp: 20768

Ion Ratio Lower Upper

105 100

134 26.3 9.8 29.5



#89

n-Butylbenzene

Concen: 2.268 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.012 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

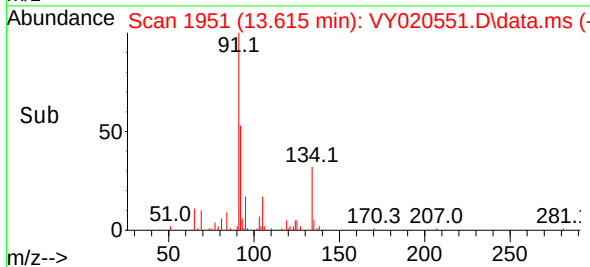
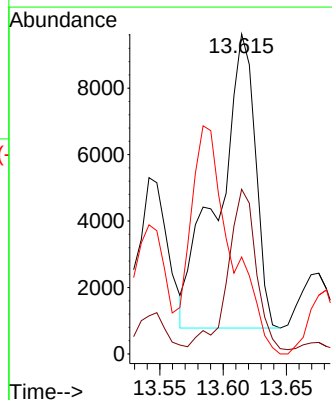
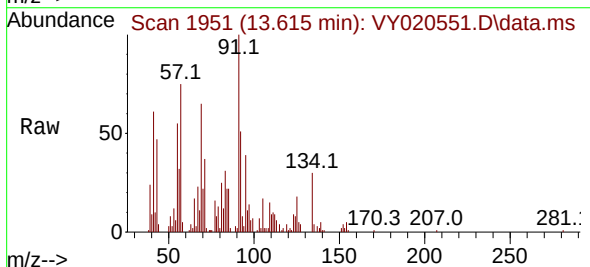
Tgt Ion: 91 Resp: 17981

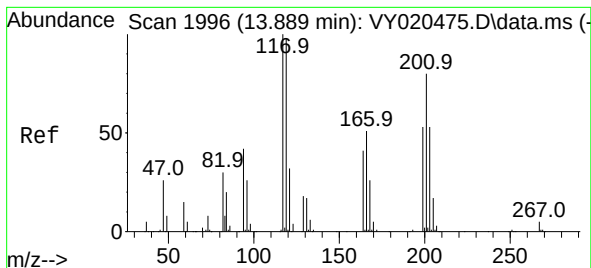
Ion Ratio Lower Upper

91 100

92 41.8 26.5 79.5

134 0.0 12.2 36.4#





#90

Hexachloroethane

Concen: 3.864 ug/l

RT: 13.889 min Scan# 1996

Delta R.T. -0.000 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

Instrument :

MSVOA_Y

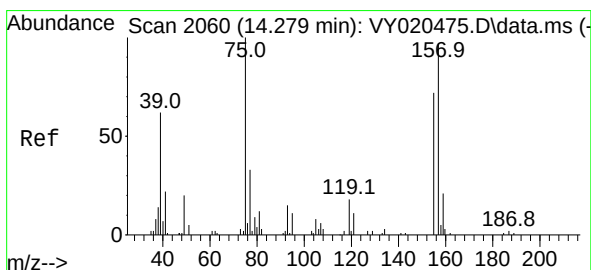
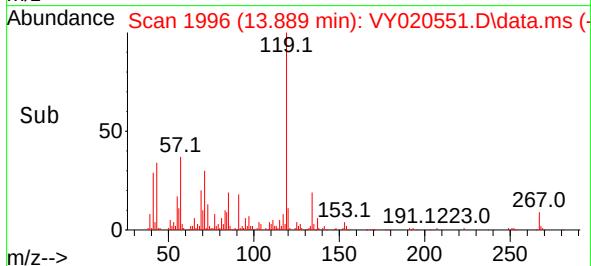
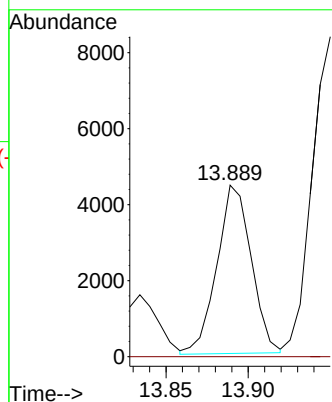
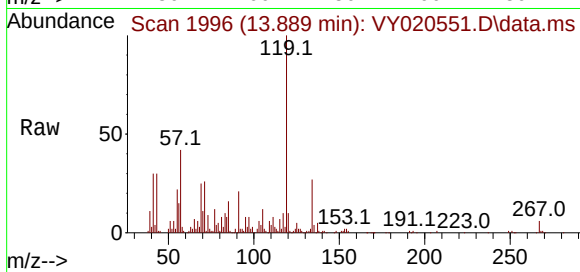
ClientSampleId :

Tgt Ion:117 Resp: 6437

Ion Ratio Lower Upper

117 100

201 0.0 37.1 111.3#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.185 ug/l

RT: 14.291 min Scan# 2062

Delta R.T. 0.012 min

Lab File: VY020551.D

Acq: 09 Dec 2024 13:23

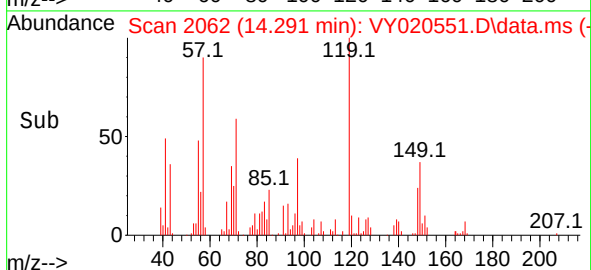
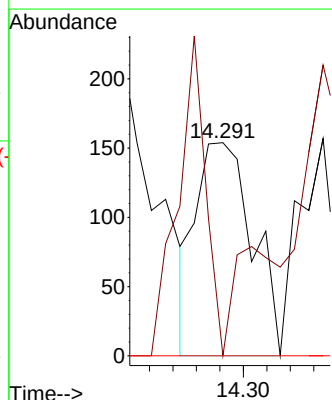
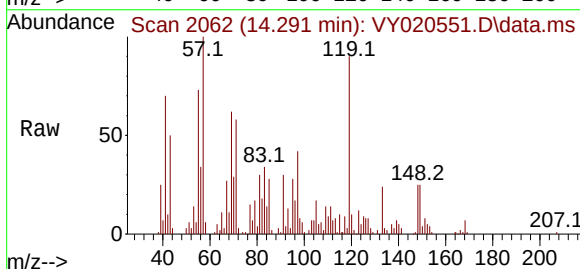
Tgt Ion: 75 Resp: 257

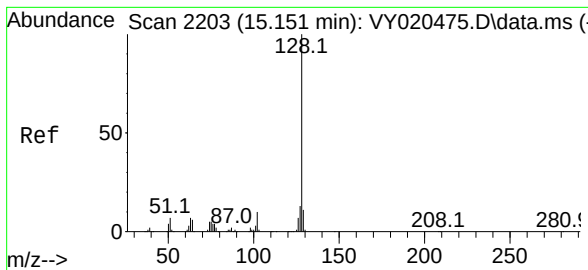
Ion Ratio Lower Upper

75 100

155 40.9 39.7 119.1

157 0.0 52.6 157.8#





#95
Naphthalene
Concen: 3.922 ug/l
RT: 15.145 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY020551.D
Acq: 09 Dec 2024 13:23

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 12043
Ion Ratio Lower Upper
128 100
127 28.5 10.5 15.7#
129 8.7 8.6 13.0

