

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122724\
 Data File : VY020741.D
 Acq On : 27 Dec 2024 15:57
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 28 03:04:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122624S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 26 16:12:28 2024
 Response via : Initial Calibration

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

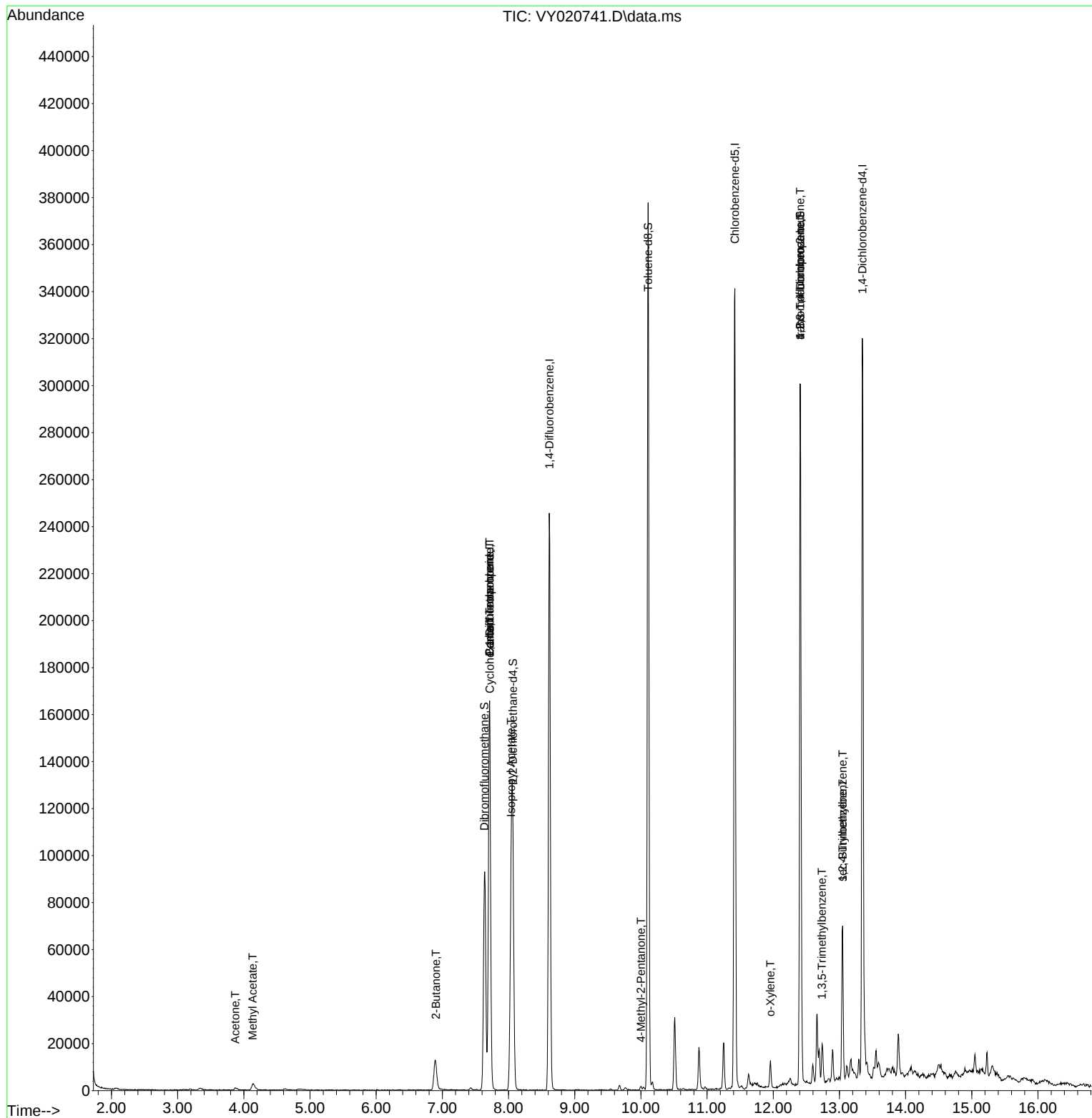
Internal Standards						
1) Pentafluorobenzene	7.713	168	134466	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.615	114	217179	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	191170	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	84462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	65270	59.261	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.520%	
35) Dibromofluoromethane	7.634	113	65453	54.715	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.440%	
50) Toluene-d8	10.109	98	252426	52.958	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.920%	
62) 4-Bromofluorobenzene	12.407	95	83053	52.242	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 104.480%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	738	Below Cal	#	89
16) Acetone	3.872	43	1913	13.691	ug/l #	79
18) Methyl Acetate	4.135	43	843	2.229	ug/l #	43
25) 2-Butanone	6.902	43	698	3.698	ug/l #	83
31) Cyclohexane	7.719	56	2330	1.647	ug/l #	37
36) 1,1-Dichloropropene	7.713	75	9149	5.790	ug/l #	51
38) Carbon Tetrachloride	7.713	117	13166	5.060	ug/l #	17
43) Isopropyl Acetate	8.036	43	1906	1.722	ug/l #	1
51) 4-Methyl-2-Pentanone	9.999	43	1070	2.003	ug/l	93
69) o-Xylene	11.956	106	2849	1.195	ug/l	82
76) 1,2,3-Trichloropropane	12.407	75	44485	82.811	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.737	105	6802	1.395	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.407	75	44485	163.684	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.048	105	35710	7.527	ug/l	96
85) sec-Butylbenzene	13.048	105	35710	5.820	ug/l #	55

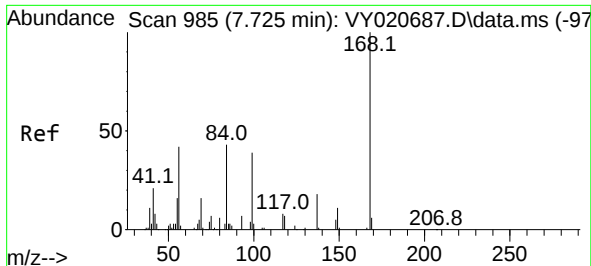
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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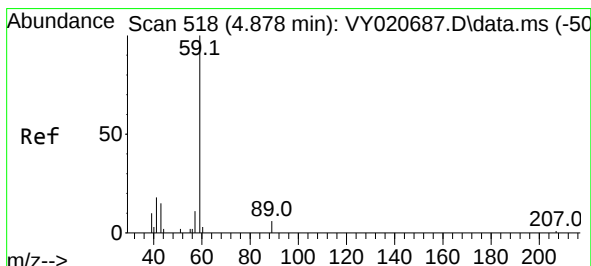
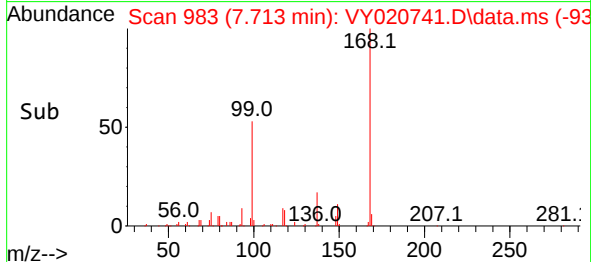
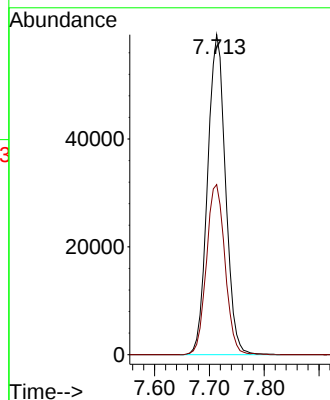
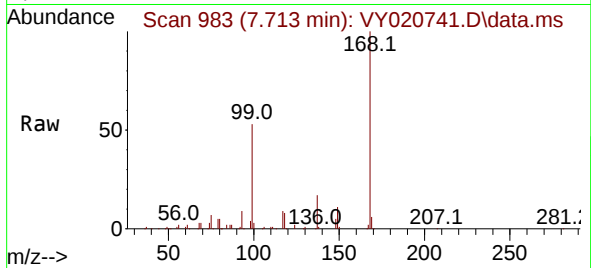




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

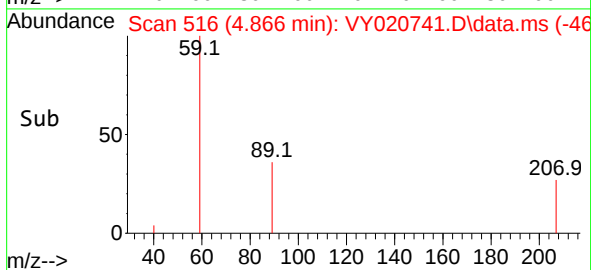
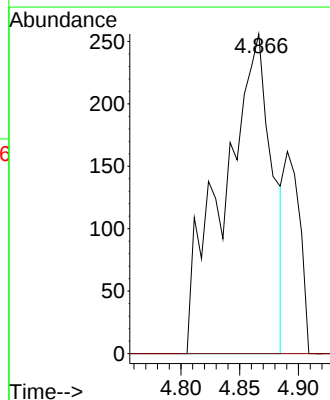
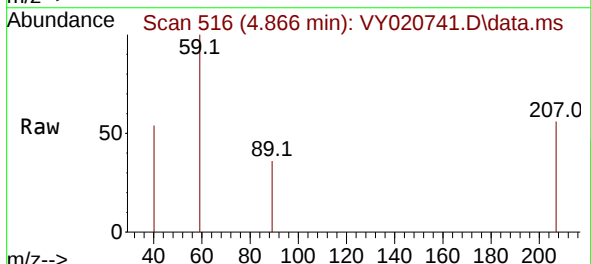
Instrument :
MSVOA_Y
ClientSampleId :

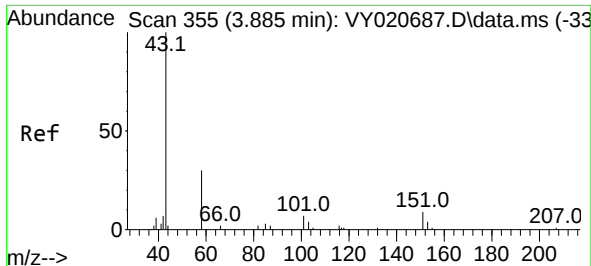
Tgt Ion:168 Resp: 134466
Ion Ratio Lower Upper
168 100
99 53.1 43.8 65.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.866 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

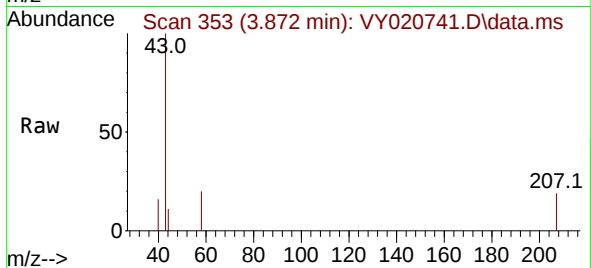
Tgt Ion: 59 Resp: 738
Ion Ratio Lower Upper
59 100
57 0.0 2.8 4.2#



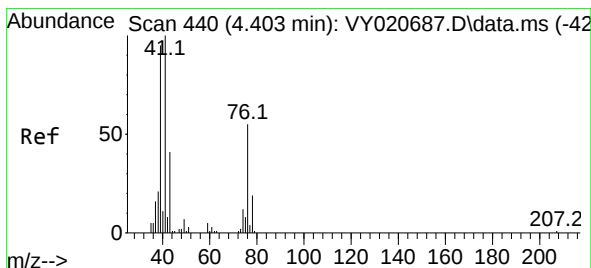
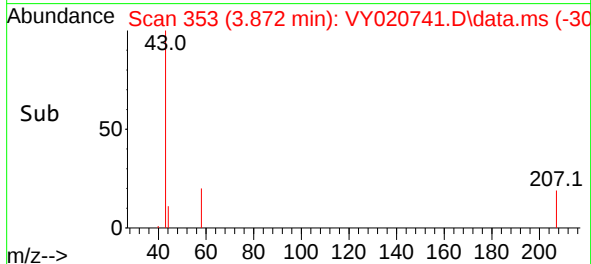
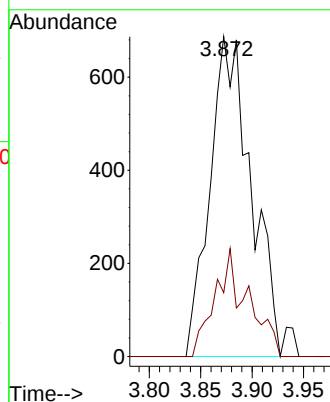


#16
Acetone
Concen: 13.691 ug/l
RT: 3.872 min Scan# 311
Delta R.T. -0.013 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Instrument :
MSVOA_Y
ClientSampleId :

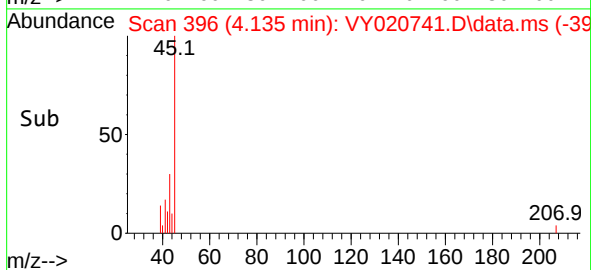
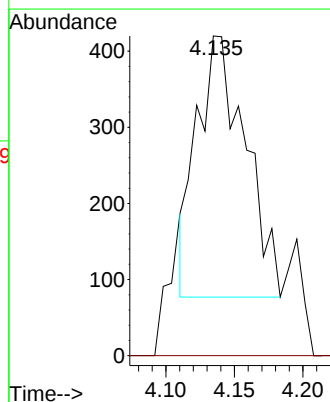
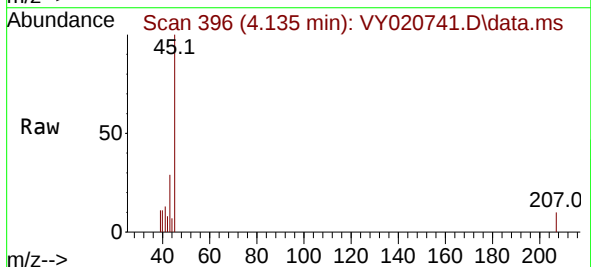


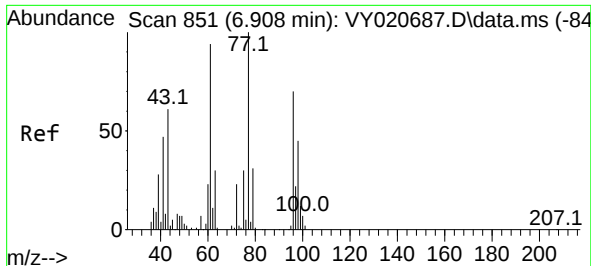
Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
58 19.9 25.0 37.6#



#18
Methyl Acetate
Concen: 2.229 ug/l
RT: 4.135 min Scan# 396
Delta R.T. -0.268 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Tgt Ion: 43 Resp: 843
Ion Ratio Lower Upper
43 100
74 0.0 25.3 37.9#

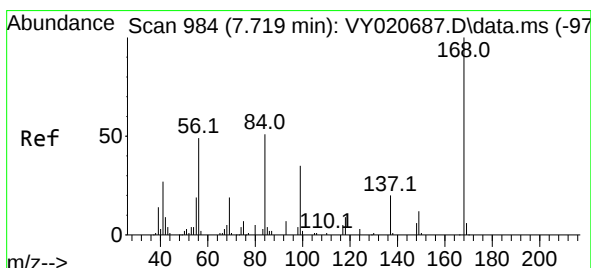
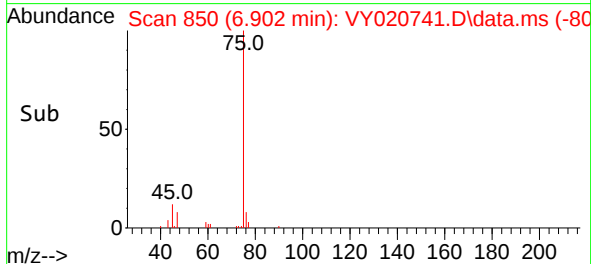
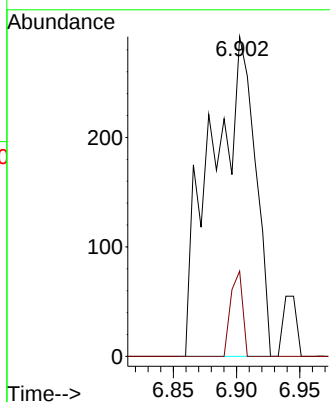
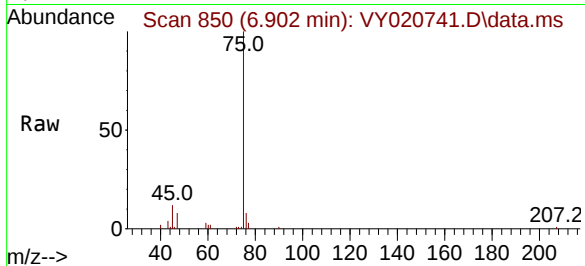




#25
2-Butanone
Concen: 3.698 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.006 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

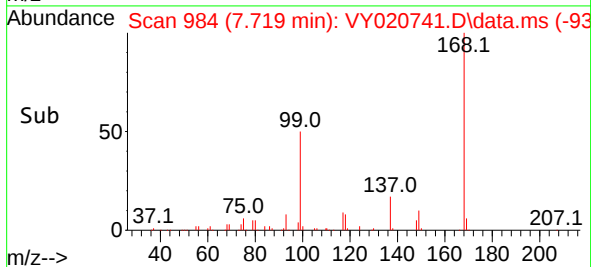
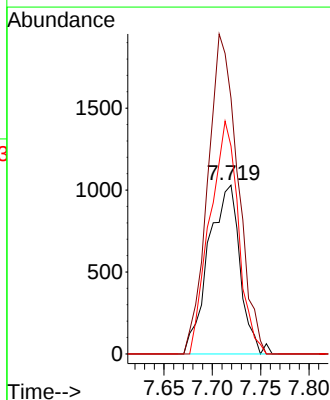
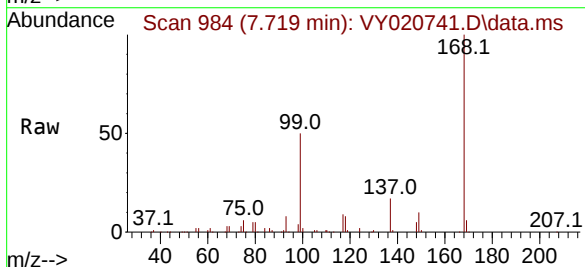
Instrument :
MSVOA_Y
ClientSampleId :

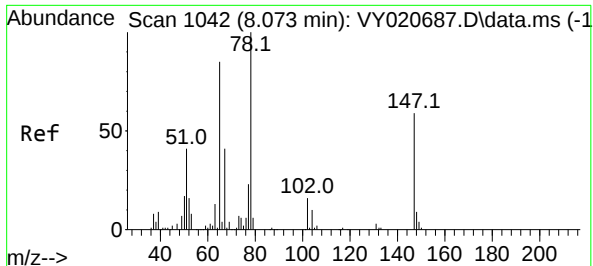
Tgt Ion: 43 Resp: 698
Ion Ratio Lower Upper
43 100
72 26.7 29.5 44.3#



#31
Cyclohexane
Concen: 1.647 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Tgt Ion: 56 Resp: 2330
Ion Ratio Lower Upper
56 100
69 151.6 31.3 46.9#
84 123.1 83.9 125.9





#33

1,2-Dichloroethane-d4

Concen: 59.261 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY020741.D

Acq: 27 Dec 2024 15:57

Instrument :

MSVOA_Y

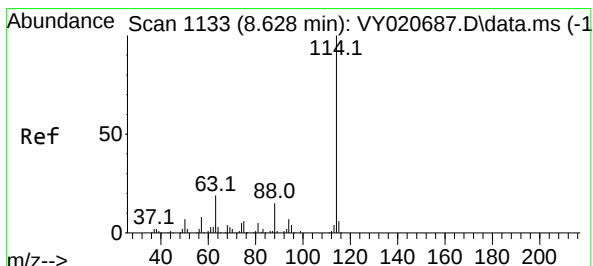
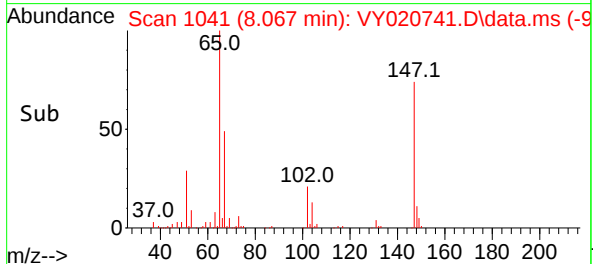
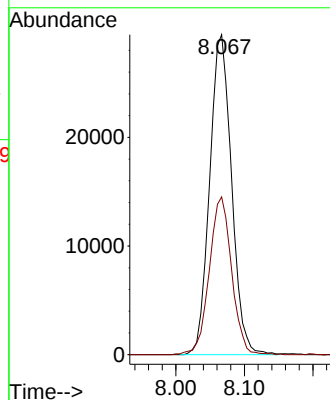
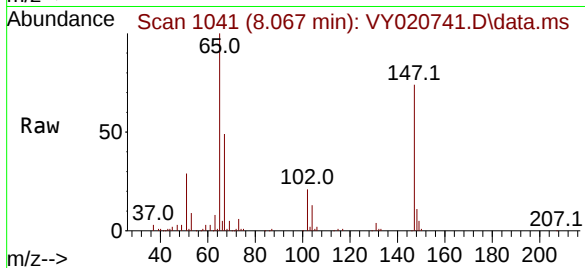
ClientSampleId :

Tgt Ion: 65 Resp: 65270

Ion Ratio Lower Upper

65 100

67 50.4 0.0 98.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.013 min

Lab File: VY020741.D

Acq: 27 Dec 2024 15:57

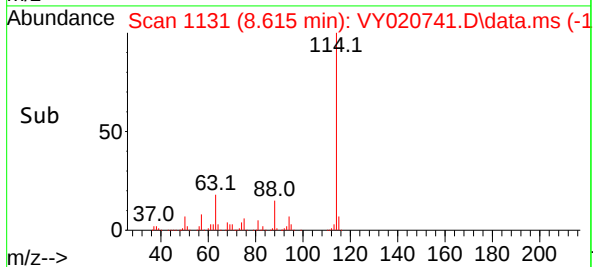
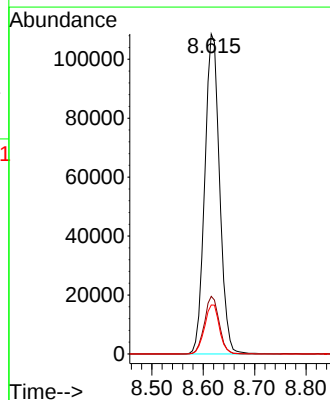
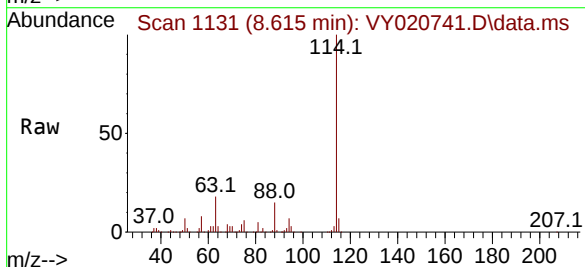
Tgt Ion: 114 Resp: 217179

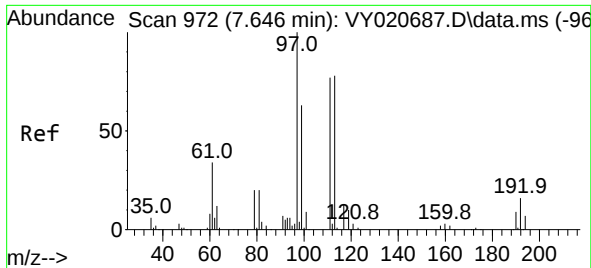
Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.4

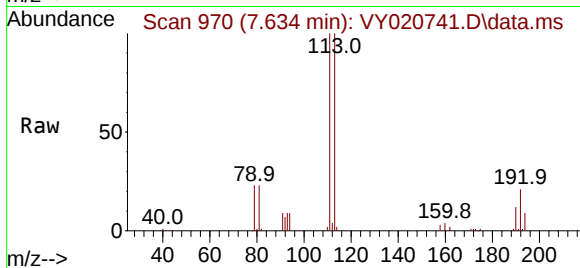
88 15.3 0.0 30.4



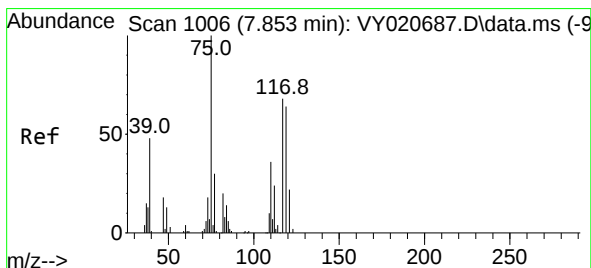
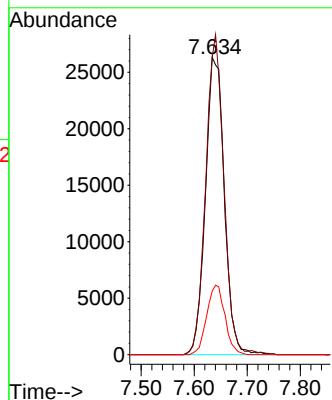
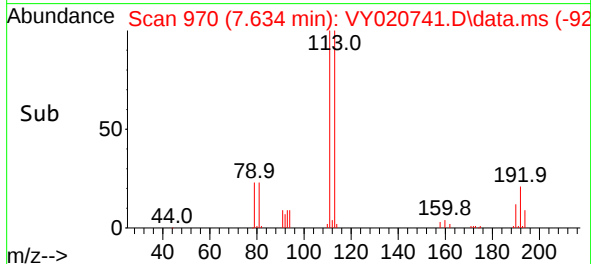


#35
Dibromofluoromethane
Concen: 54.715 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Instrument :
MSVOA_Y
ClientSampleId :

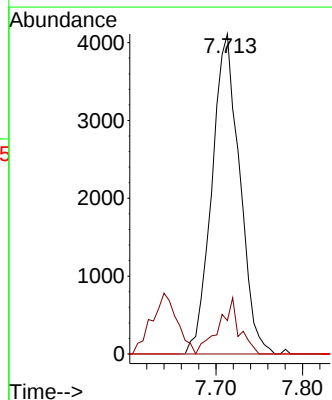
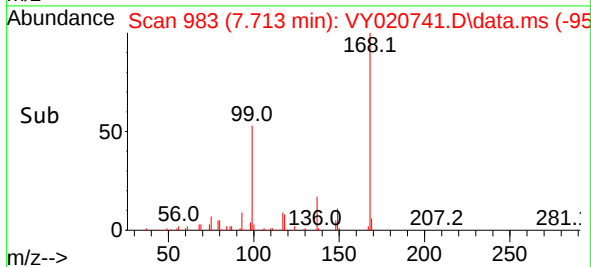
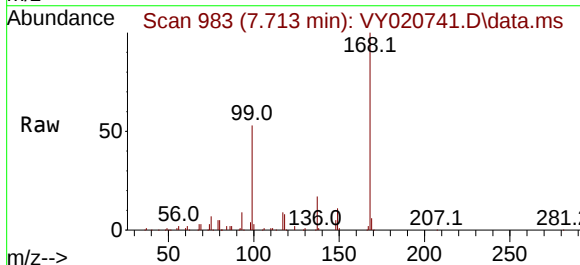


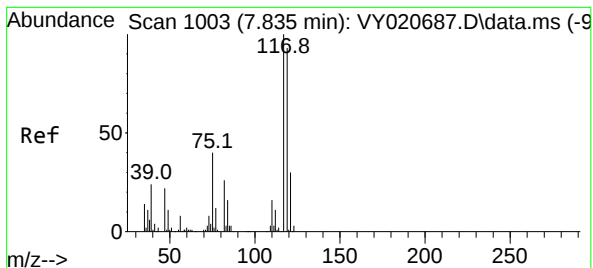
Tgt Ion:113 Resp: 65453
Ion Ratio Lower Upper
113 100
111 102.1 79.8 119.8
192 22.5 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.790 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.140 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Tgt Ion: 75 Resp: 9149
Ion Ratio Lower Upper
75 100
110 12.9 19.6 58.7#
77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.060 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.122 min

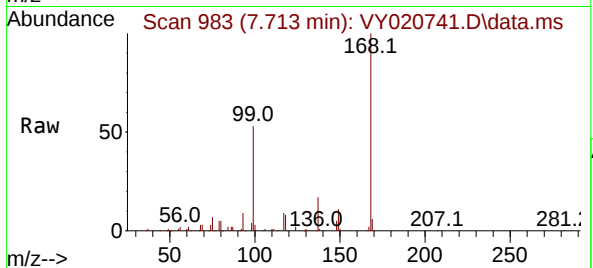
Lab File: VY020741.D

Acq: 27 Dec 2024 15:57

Instrument :

MSVOA_Y

ClientSampleId :



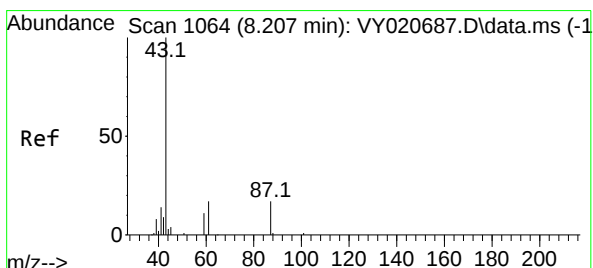
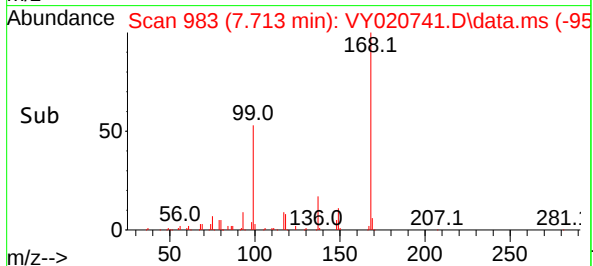
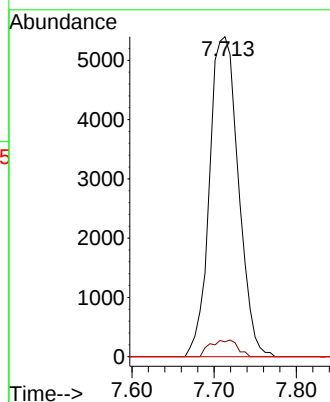
Tgt Ion:117 Resp: 13166

Ion Ratio Lower Upper

117 100

119 4.7 74.4 111.6#

121 0.0 24.2 36.2#



#43

Isopropyl Acetate

Concen: 1.722 ug/l

RT: 8.036 min Scan# 1036

Delta R.T. -0.171 min

Lab File: VY020741.D

Acq: 27 Dec 2024 15:57

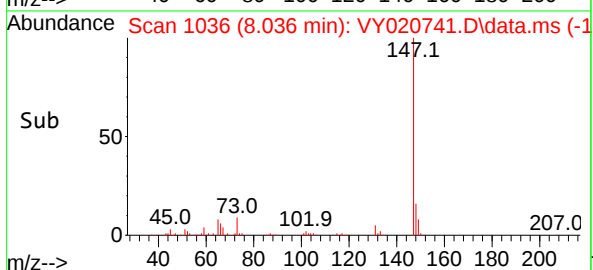
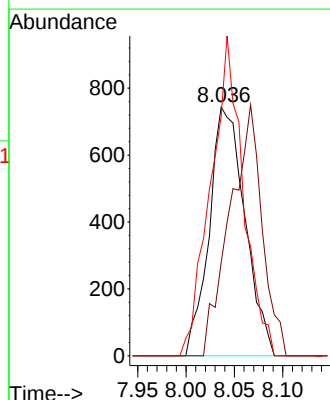
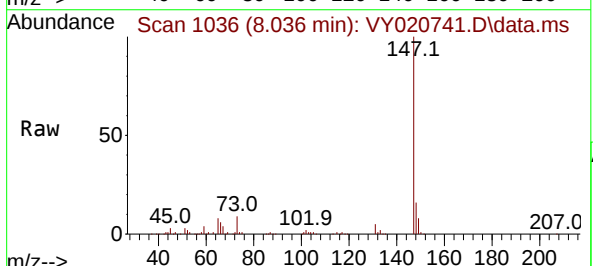
Tgt Ion: 43 Resp: 1906

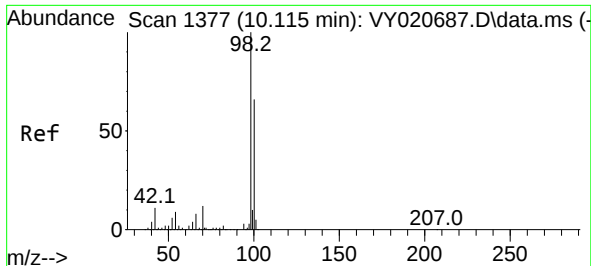
Ion Ratio Lower Upper

43 100

61 0.0 27.0 40.4#

87 116.8 14.2 21.4#

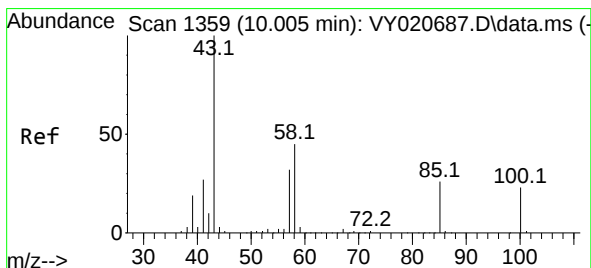
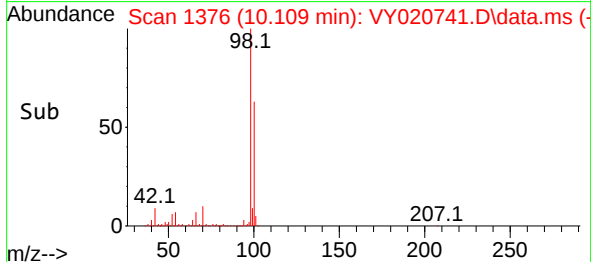
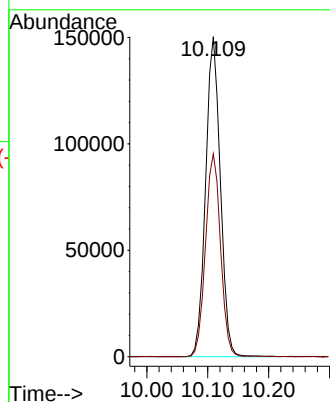
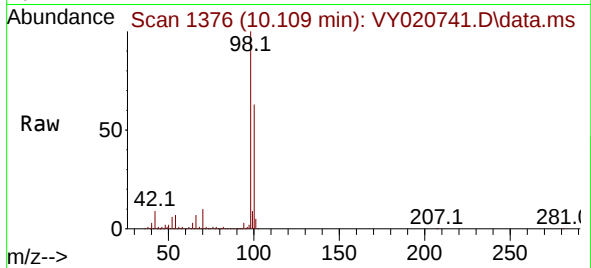




#50
Toluene-d8
Concen: 52.958 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

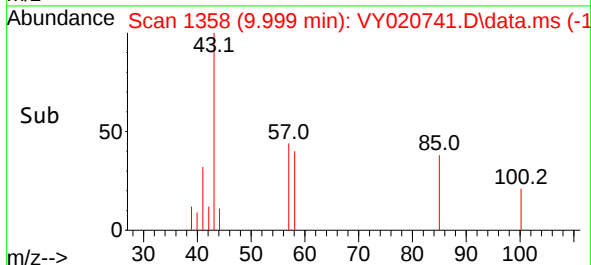
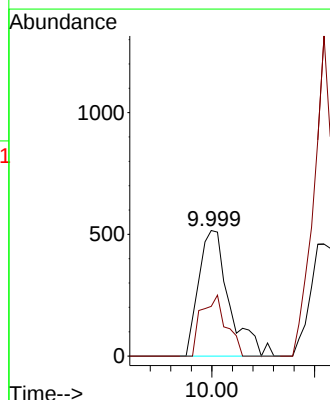
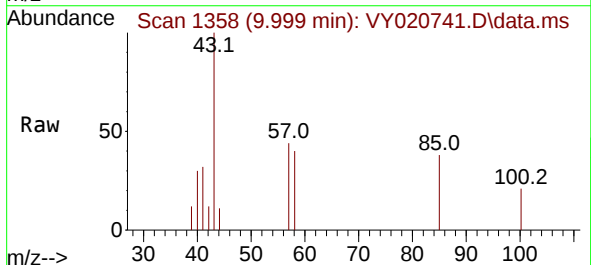
Instrument :
MSVOA_Y
ClientSampleId :

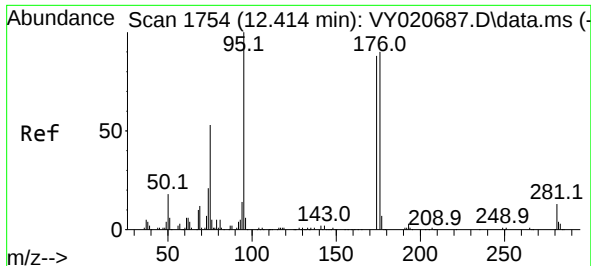
Tgt Ion: 98 Resp: 252426
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.003 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. -0.006 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
58 39.3 35.1 52.7

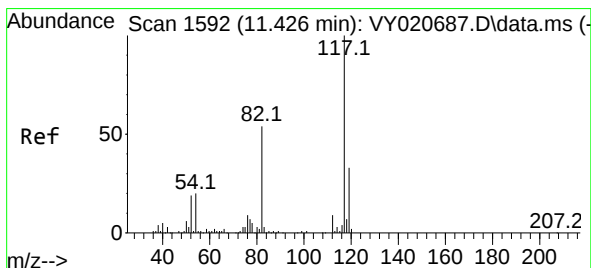
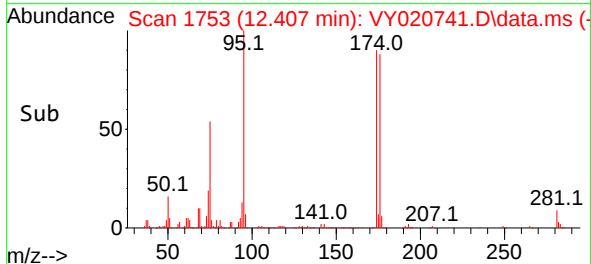
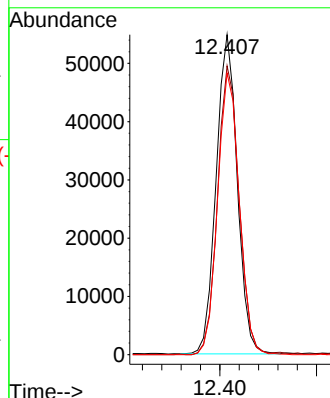
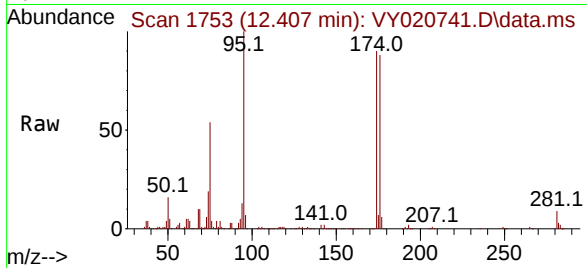




#62
4-Bromofluorobenzene
Concen: 52.242 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

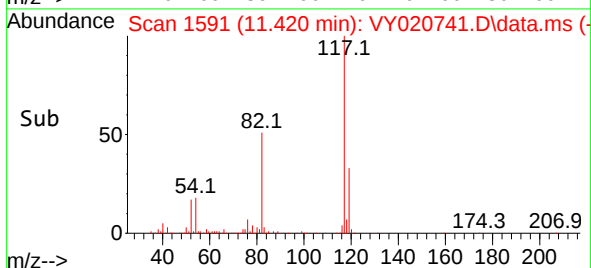
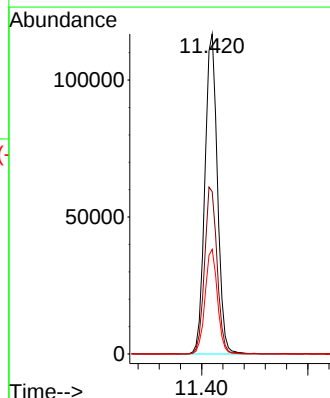
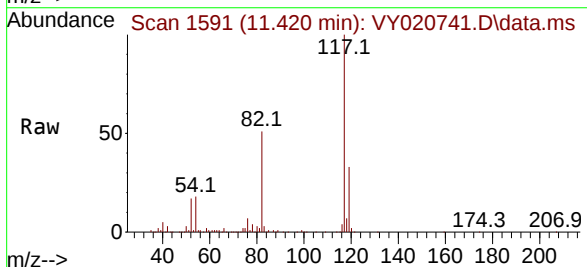
Instrument :
MSVOA_Y
ClientSampleId :

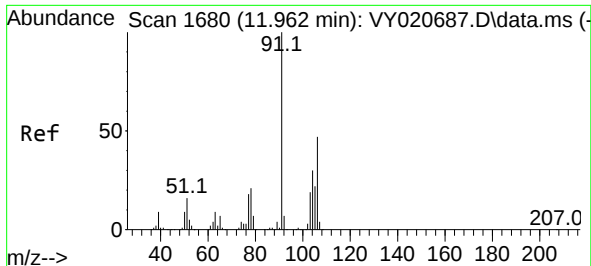
Tgt Ion: 95 Resp: 83053
Ion Ratio Lower Upper
95 100
174 92.8 0.0 179.2
176 90.3 0.0 179.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Tgt Ion: 117 Resp: 191170
Ion Ratio Lower Upper
117 100
82 50.7 43.4 65.2
119 32.7 26.6 39.8

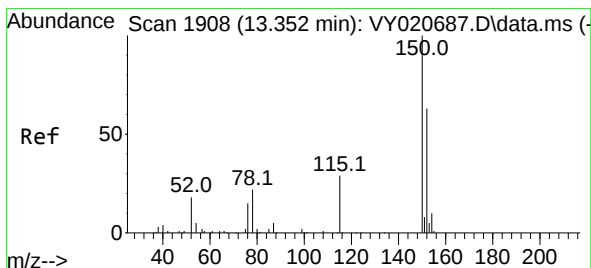
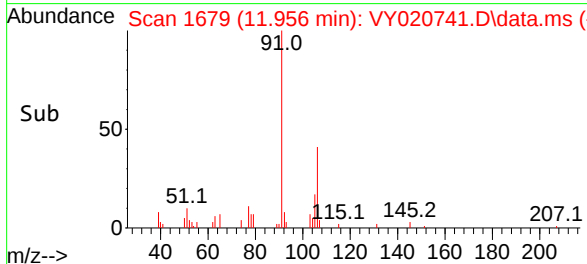
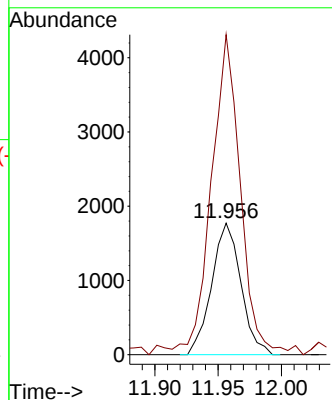
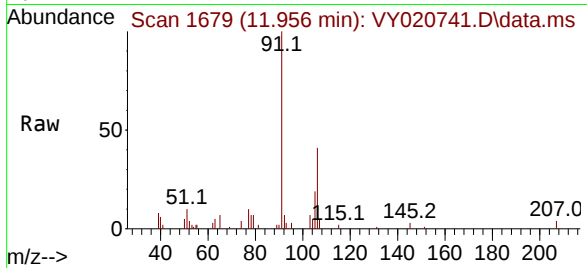




#69
o-Xylene
Concen: 1.195 ug/l
RT: 11.956 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

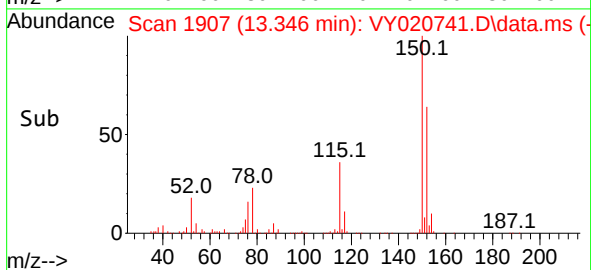
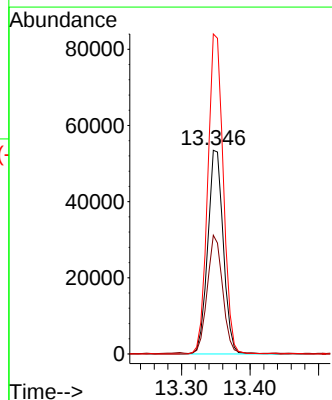
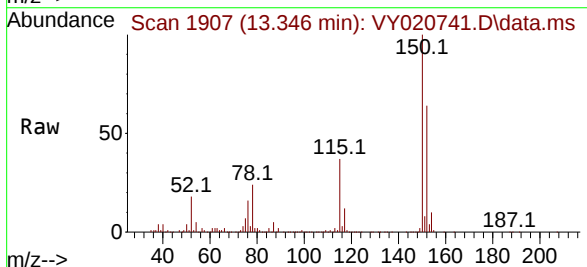
Instrument :
MSVOA_Y
ClientSampleId :

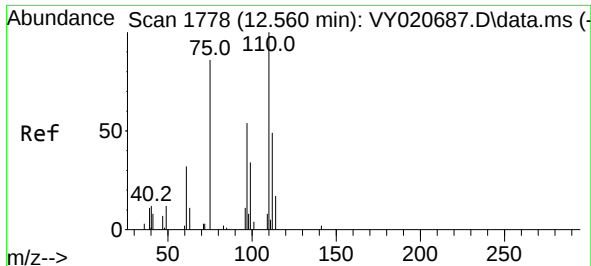
Tgt Ion:106 Resp: 2849
Ion Ratio Lower Upper
106 100
91 245.2 108.6 325.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Tgt Ion:152 Resp: 84462
Ion Ratio Lower Upper
152 100
115 57.5 30.3 90.9
150 156.8 0.0 349.0

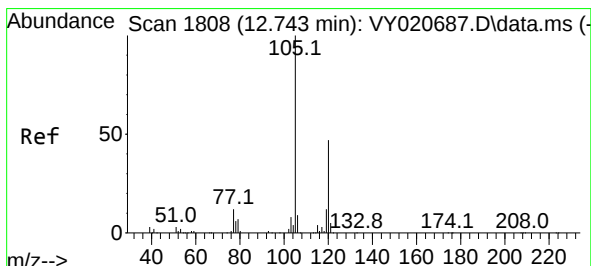
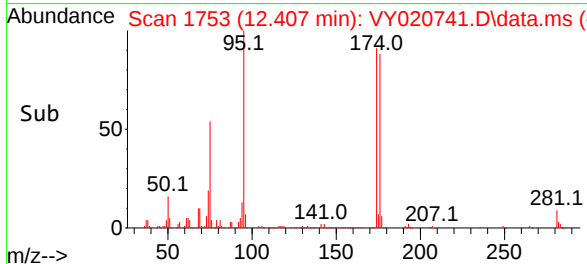
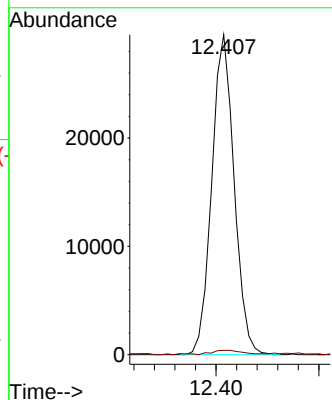
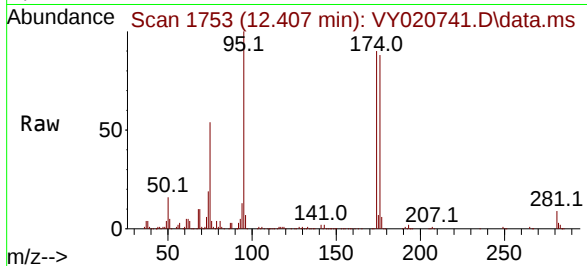




#76
1,2,3-Trichloropropane
Concen: 82.811 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.153 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

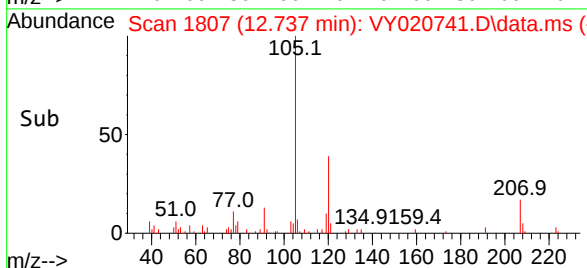
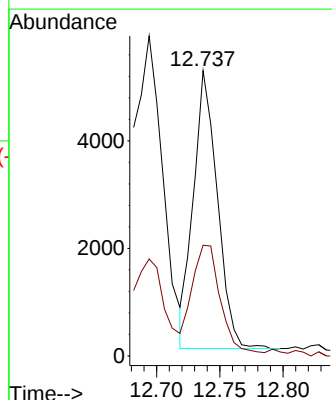
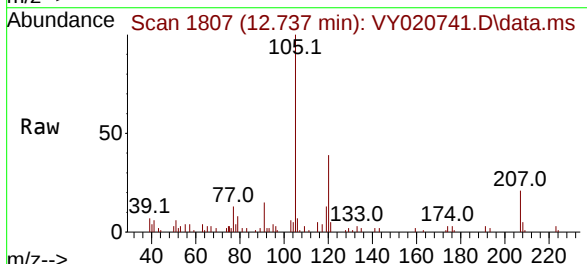
Instrument :
MSVOA_Y
ClientSampleId :

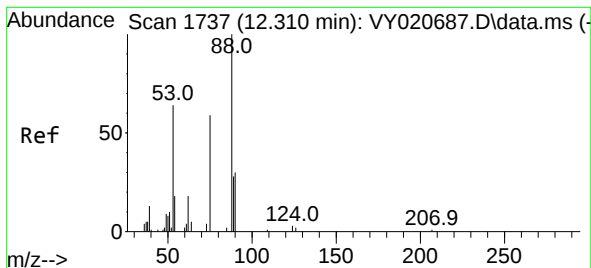
Tgt Ion: 75 Resp: 44485
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.395 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. -0.006 min
Lab File: VY020741.D
Acq: 27 Dec 2024 15:57

Tgt Ion:105 Resp: 6802
Ion Ratio Lower Upper
105 100
120 45.6 23.9 71.7

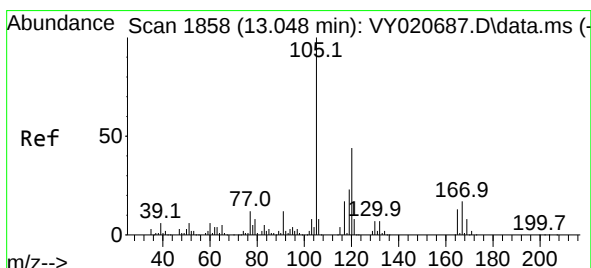
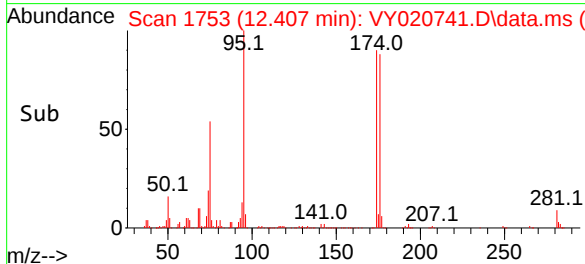
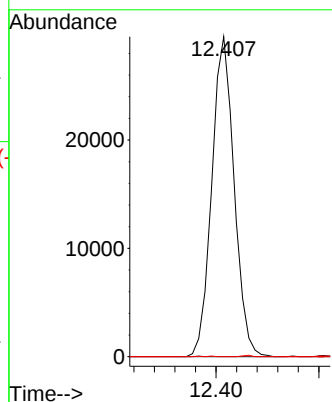
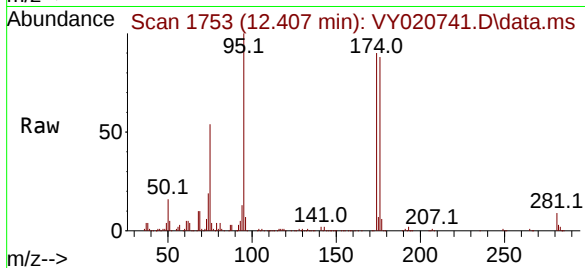




#81
 trans-1,4-Dichloro-2-butene
 Concen: 163.684 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. 0.097 min
 Lab File: VY020741.D
 Acq: 27 Dec 2024 15:57

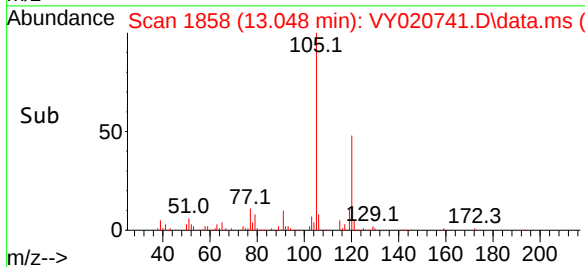
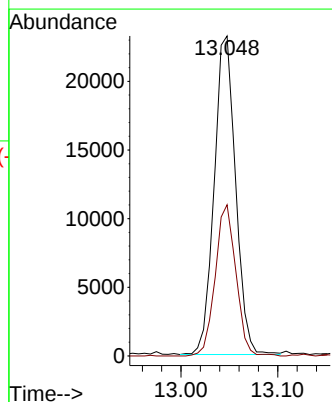
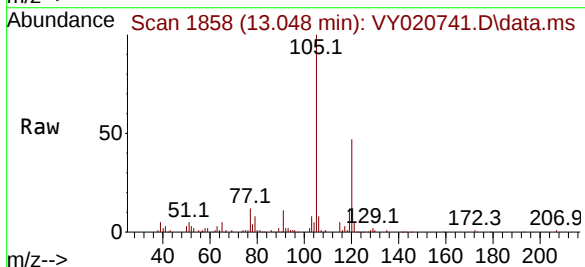
Instrument :
 MSVOA_Y
 ClientSampleId :

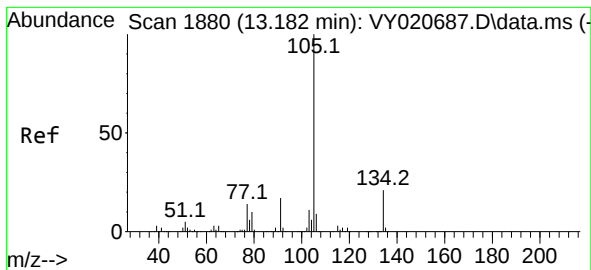
Tgt Ion: 75 Resp: 44485
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.1 124.7#
 89 0.0 40.6 61.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 7.527 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. -0.000 min
 Lab File: VY020741.D
 Acq: 27 Dec 2024 15:57

Tgt Ion: 105 Resp: 35710
 Ion Ratio Lower Upper
 105 100
 120 45.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 5.820 ug/l

RT: 13.048 min Scan# 11

Delta R.T. -0.134 min

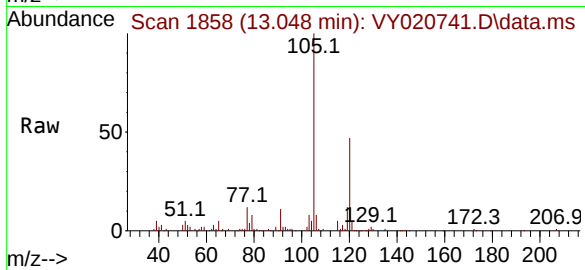
Lab File: VY020741.D

Acq: 27 Dec 2024 15:57

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:105 Resp: 35710

Ion Ratio Lower Upper

105 100

134 0.0 10.7 32.1#

