

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122324\
 Data File : VY020690.D
 Acq On : 23 Dec 2024 13:46
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 23 14:31:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 14:10:31 2024
 Response via : Initial Calibration

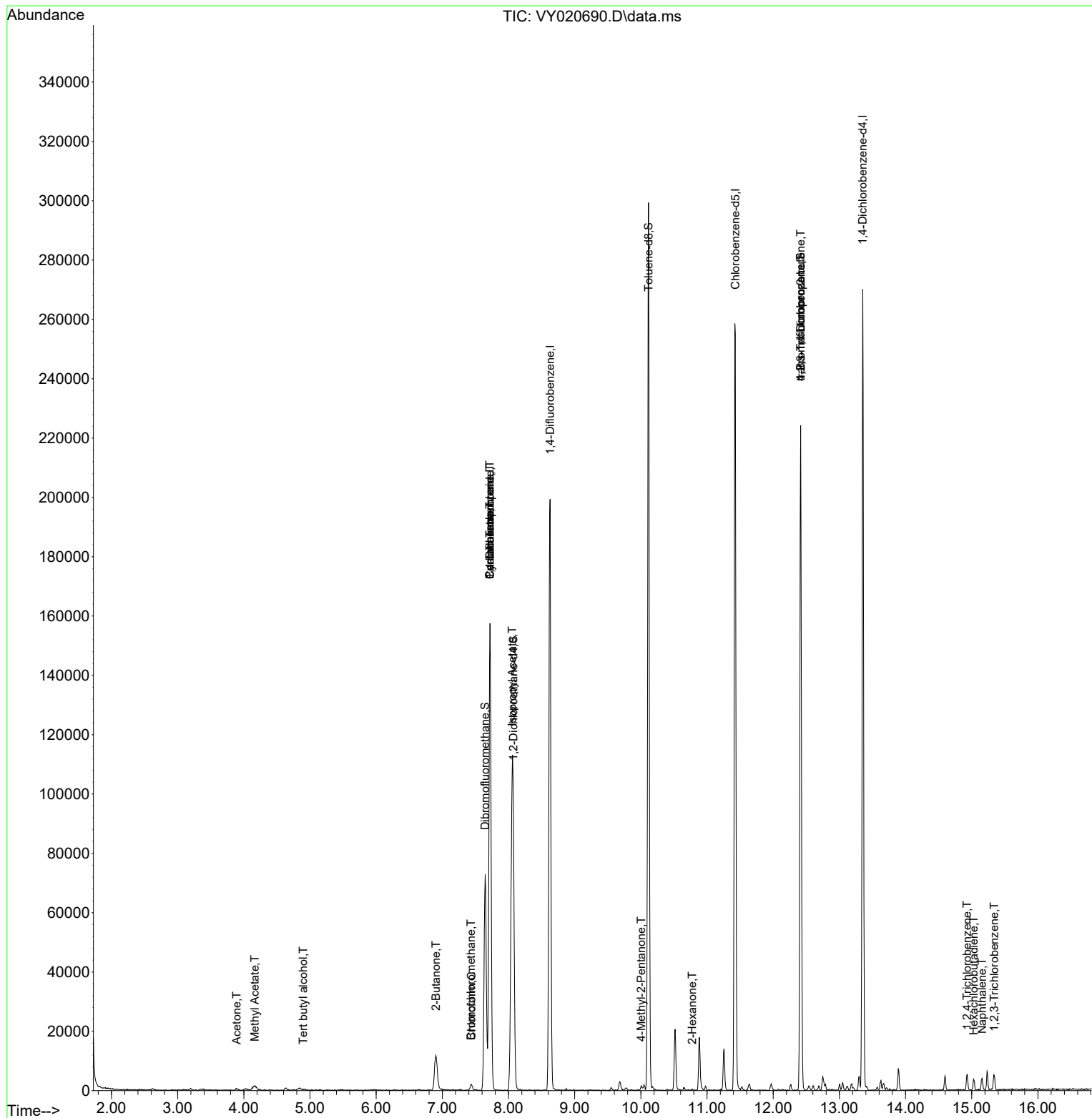
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.719	168	122966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.628	114	172651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	141587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	67269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	53847	49.445	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.880%
35) Dibromofluoromethane	7.646	113	49110	48.443	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.880%
50) Toluene-d8	10.115	98	193162	52.460	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.920%
62) 4-Bromofluorobenzene	12.414	95	61955	46.229	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	92.460%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.897	59	311	3.909	ug/l #	75
16) Acetone	3.891	43	761	6.118	ug/l #	84
18) Methyl Acetate	4.165	43	876	2.722	ug/l #	51
25) 2-Butanone	6.902	43	335	1.917	ug/l #	49
28) Bromochloromethane	7.433	49	46	3.585	ug/l #	15
30) Chloroform	7.439	83	2109	1.095	ug/l #	83
31) Cyclohexane	7.719	56	2206	1.717	ug/l #	4
36) 1,1-Dichloropropene	7.719	75	8710	7.068	ug/l #	53
38) Carbon Tetrachloride	7.719	117	13572	6.806	ug/l #	15
43) Isopropyl Acetate	8.055	43	1475	1.762	ug/l #	1
51) 4-Methyl-2-Pentanone	10.006	43	949	2.270	ug/l	99
59) 2-Hexanone	10.774	43	322	1.209	ug/l	71
76) 1,2,3-Trichloropropane	12.414	75	34884	75.195	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	34884	163.458	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.931	180	1947	1.888	ug/l	97
94) Hexachlorobutadiene	15.029	225	862	1.123	ug/l	95
95) Naphthalene	15.157	128	3992	5.446	ug/l	97
96) 1,2,3-Trichlorobenzene	15.340	180	2140	2.482	ug/l	92

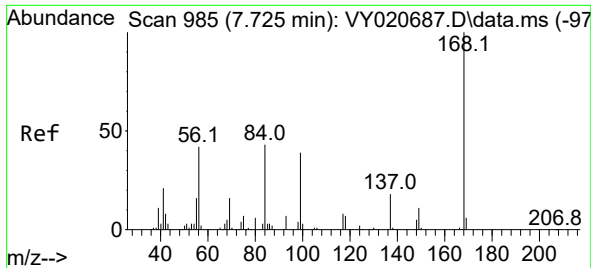
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 23 14:31:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122324S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 14:10:31 2024
Response via : Initial Calibration

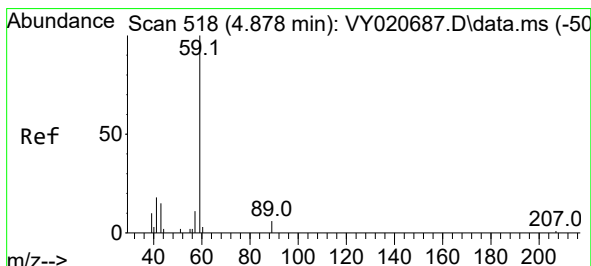
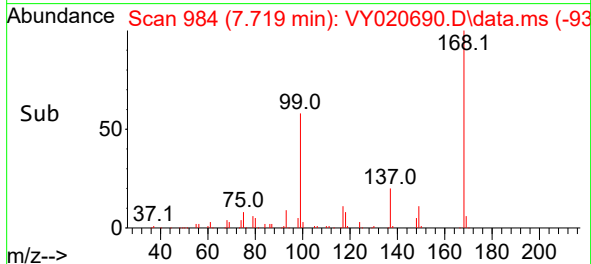
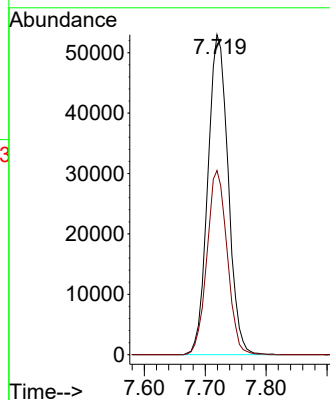
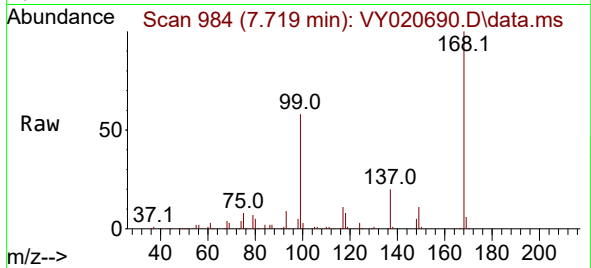




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

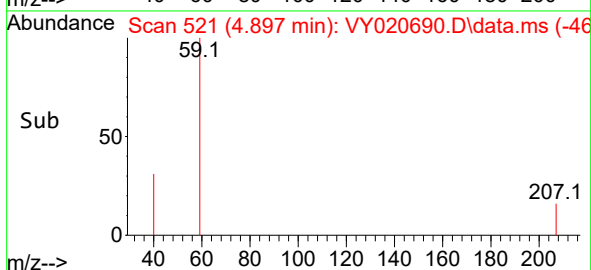
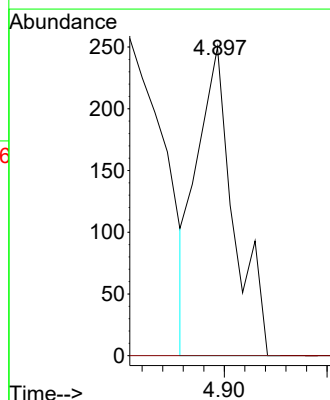
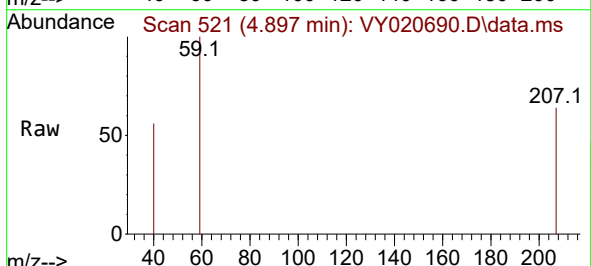
Instrument :
MSVOA_Y
ClientSampleId :

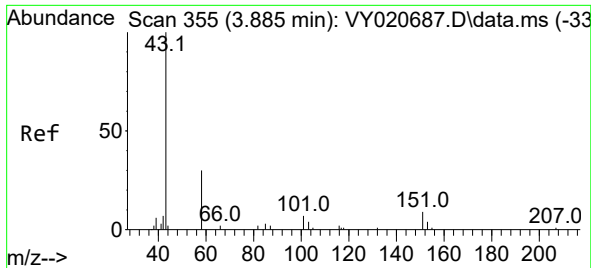
Tgt Ion:168 Resp: 122966
Ion Ratio Lower Upper
168 100
99 57.5 47.0 70.6



#11
Tert butyl alcohol
Concen: 3.909 ug/l
RT: 4.897 min Scan# 521
Delta R.T. 0.019 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

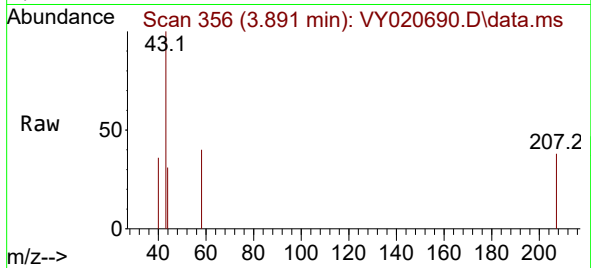
Tgt Ion: 59 Resp: 311
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#



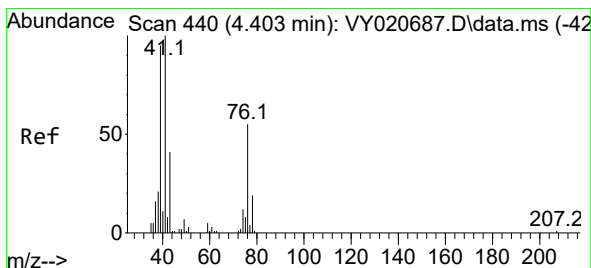
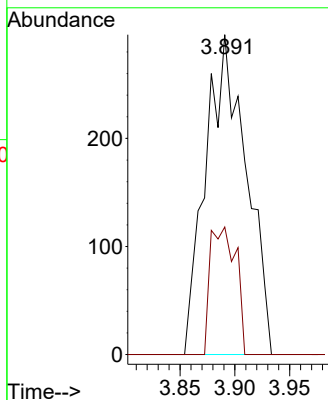
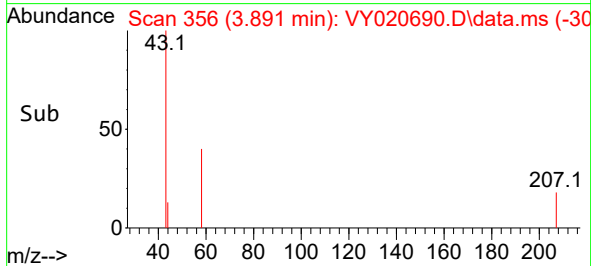


#16
Acetone
Concen: 6.118 ug/l
RT: 3.891 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :

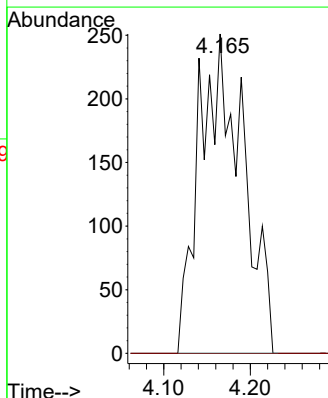
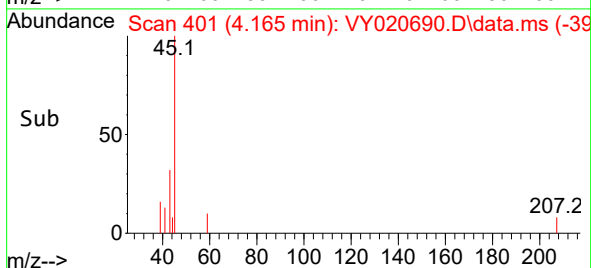
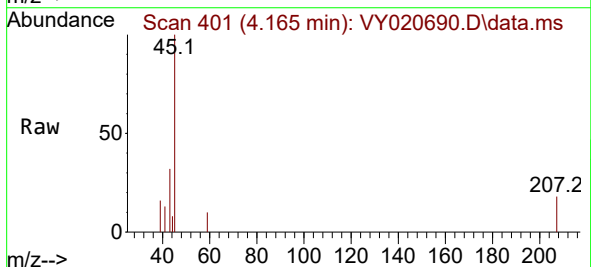


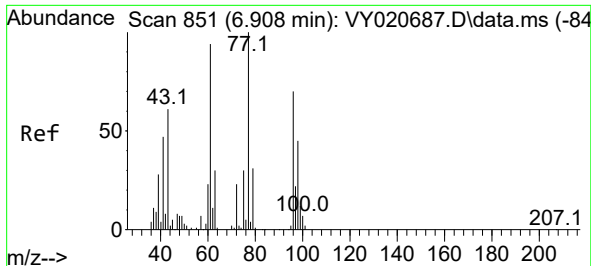
Tgt Ion: 43 Resp: 761
Ion Ratio Lower Upper
43 100
58 39.9 25.0 37.6#



#18
Methyl Acetate
Concen: 2.722 ug/l
RT: 4.165 min Scan# 401
Delta R.T. -0.238 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

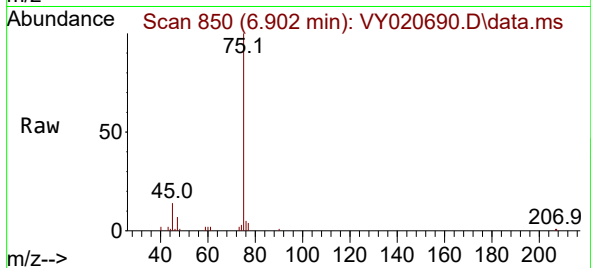
Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



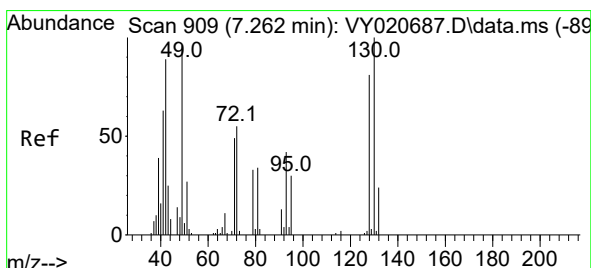
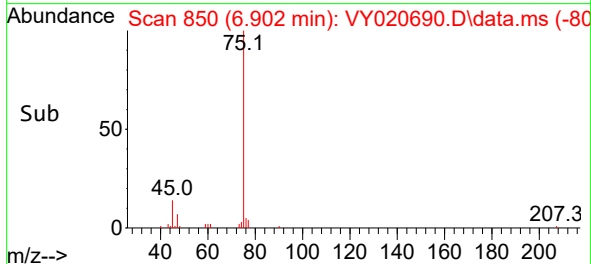
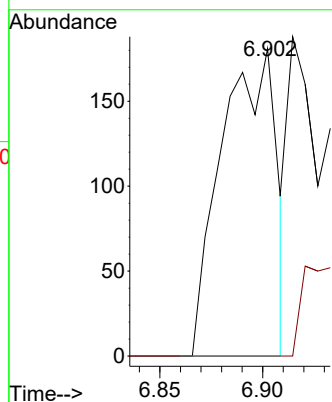


#25
2-Butanone
Concen: 1.917 ug/l
RT: 6.902 min Scan# 81
Delta R.T. -0.006 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Instrument :
MSVOA_Y
ClientSampleId :

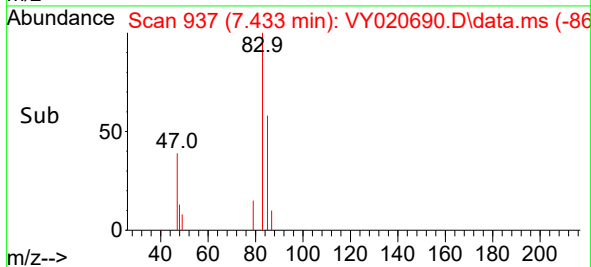
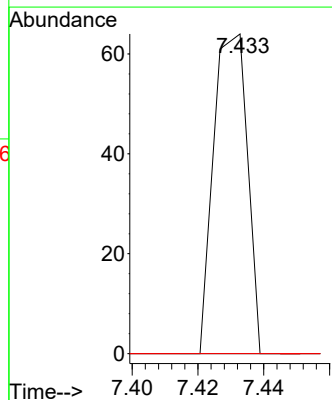
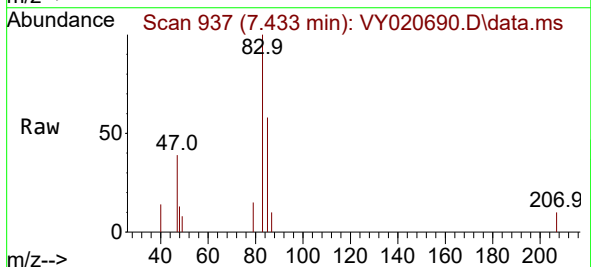


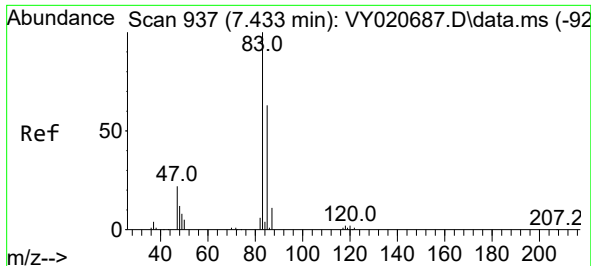
Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
72 0.0 20.6 31.0#



#28
Bromochloromethane
Concen: 3.585 ug/l
RT: 7.433 min Scan# 937
Delta R.T. 0.171 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Tgt Ion: 49 Resp: 46
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 58.3 87.5#

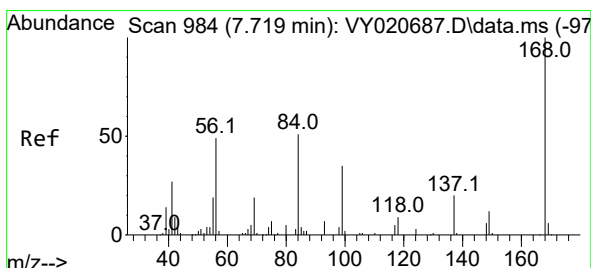
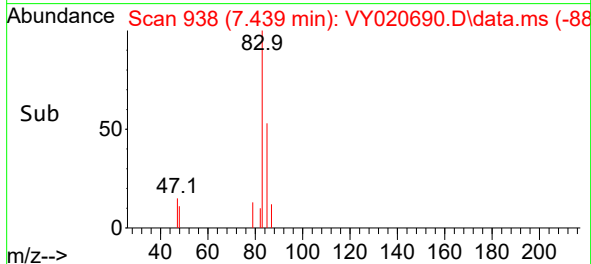
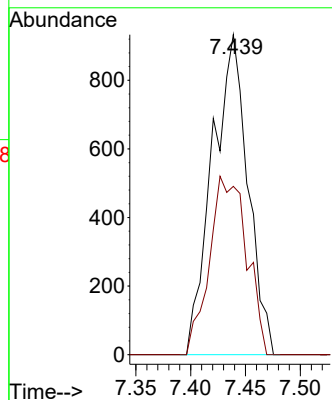
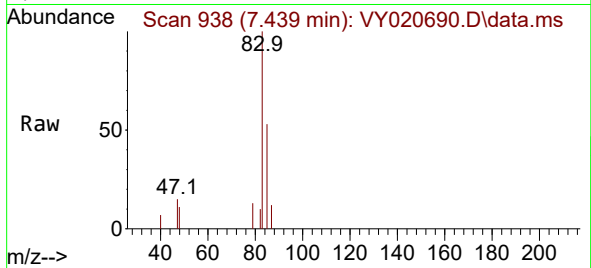




#30
Chloroform
Concen: 1.095 ug/l
RT: 7.439 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

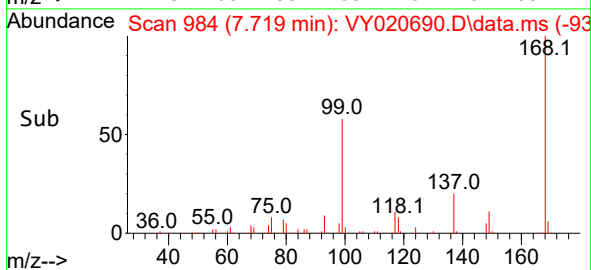
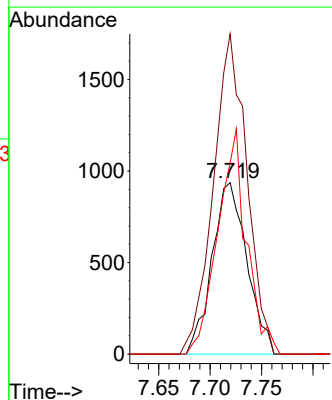
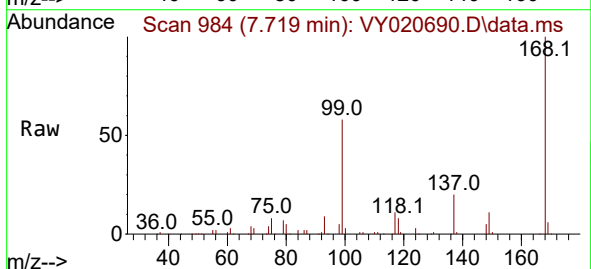
Instrument :
MSVOA_Y
ClientSampleId :

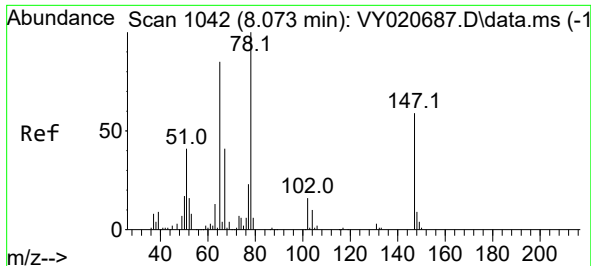
Tgt Ion: 83 Resp: 2109
Ion Ratio Lower Upper
83 100
85 52.6 52.7 79.1#



#31
Cyclohexane
Concen: 1.717 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Tgt Ion: 56 Resp: 2206
Ion Ratio Lower Upper
56 100
69 186.7 25.4 38.0#
84 111.3 68.3 102.5#





#33

1,2-Dichloroethane-d4

Concen: 49.445 ug/l

RT: 8.073 min Scan# 1042

Delta R.T. -0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Instrument :

MSVOA_Y

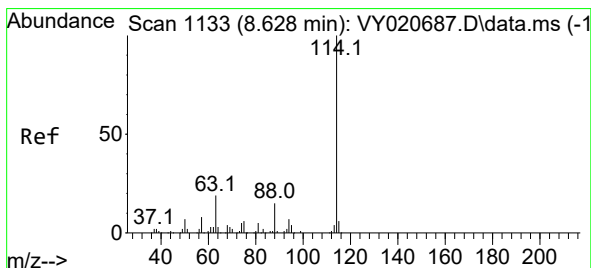
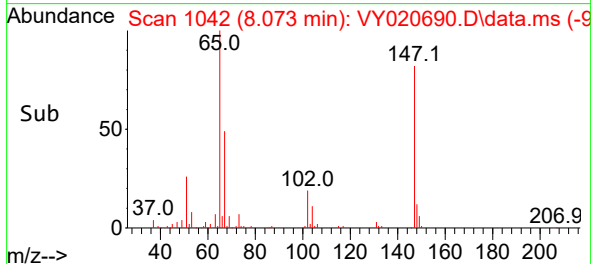
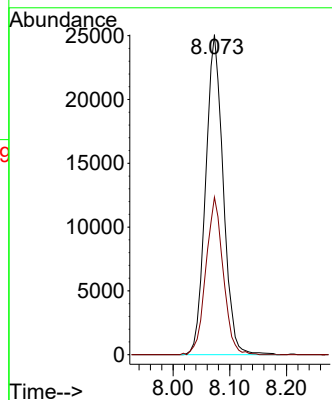
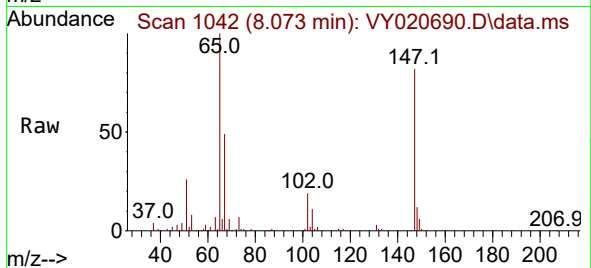
ClientSampleId :

Tgt Ion: 65 Resp: 53847

Ion Ratio Lower Upper

65 100

67 48.6 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.628 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

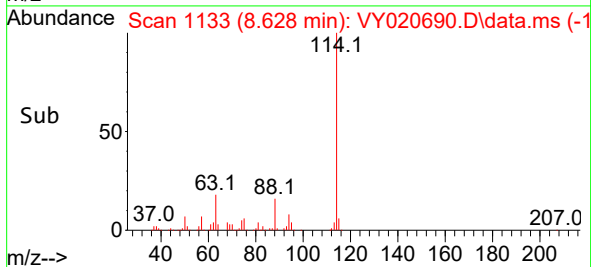
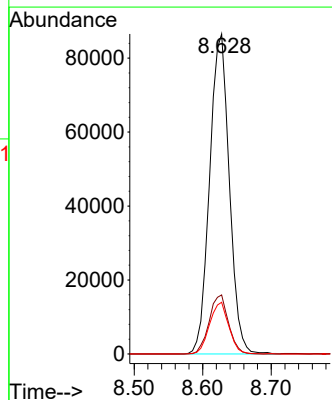
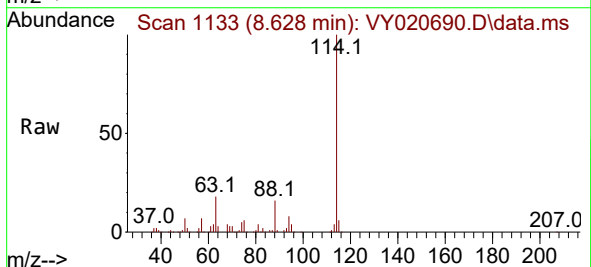
Tgt Ion: 114 Resp: 172651

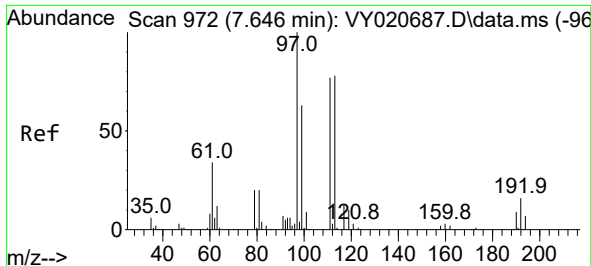
Ion Ratio Lower Upper

114 100

63 18.4 0.0 44.0

88 16.2 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.443 ug/l

RT: 7.646 min Scan# 91

Delta R.T. 0.000 min

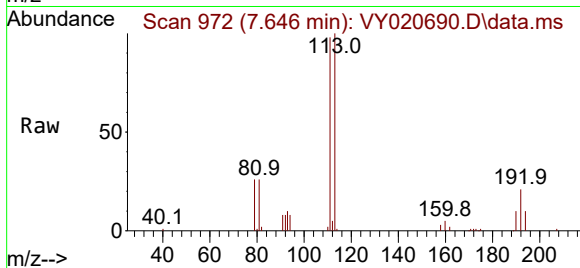
Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

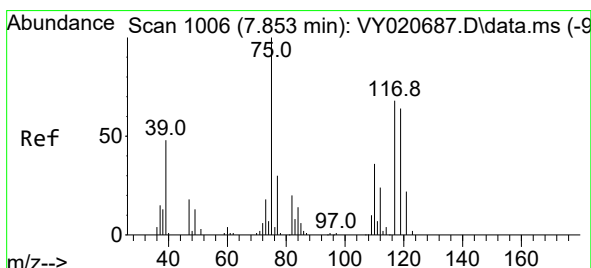
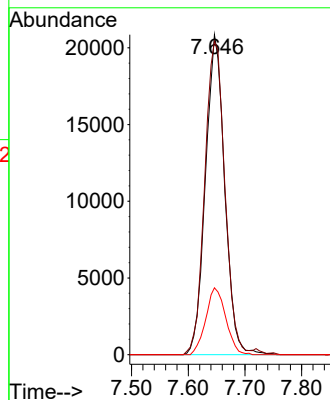
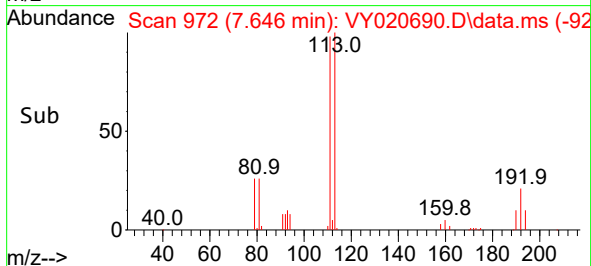
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	113	Resp:	49110
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	21.8	15.7	23.5



#36

1,1-Dichloropropene

Concen: 7.068 ug/l

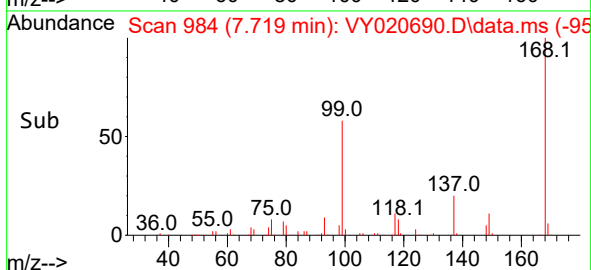
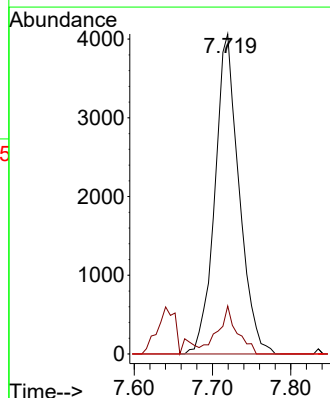
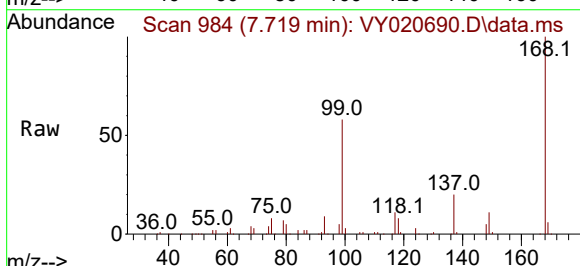
RT: 7.719 min Scan# 984

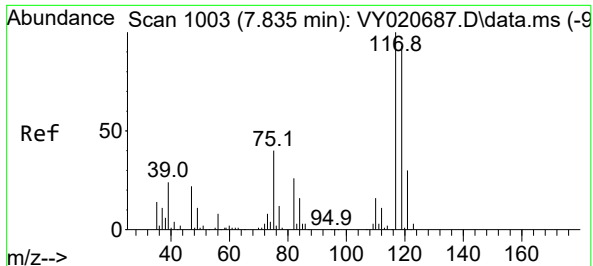
Delta R.T. -0.134 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

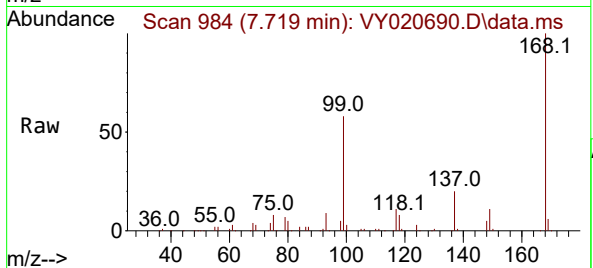
Tgt Ion:	75	Resp:	8710
Ion	Ratio	Lower	Upper
75	100		
110	12.0	16.8	50.4#
77	0.0	25.0	37.6#



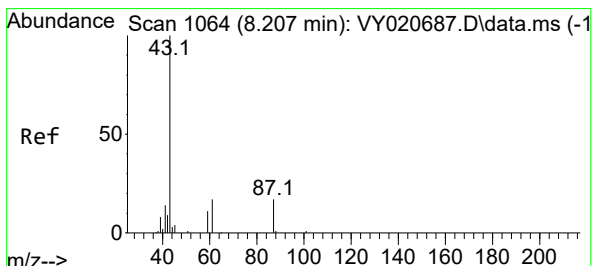
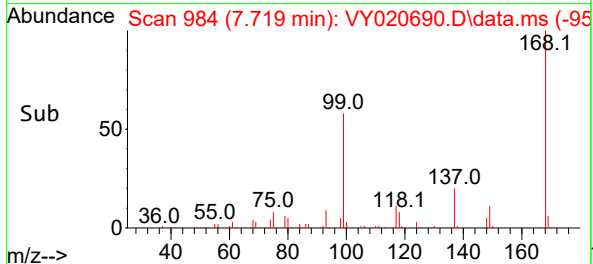
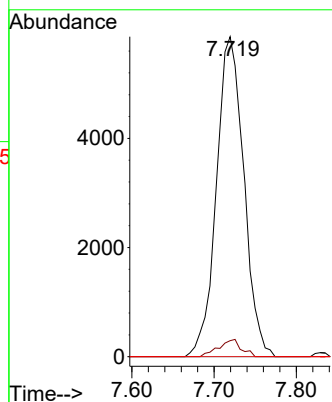


#38
Carbon Tetrachloride
Concen: 6.806 ug/l
RT: 7.719 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Instrument :
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ClientSampleId :

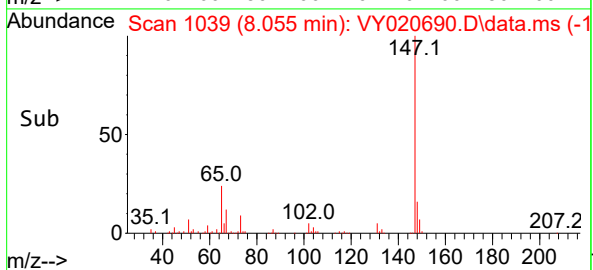
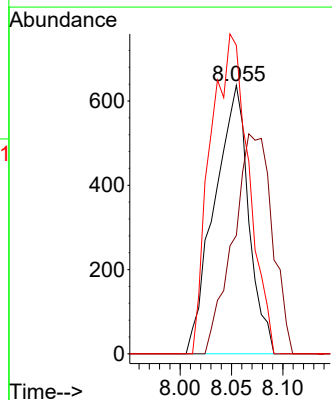
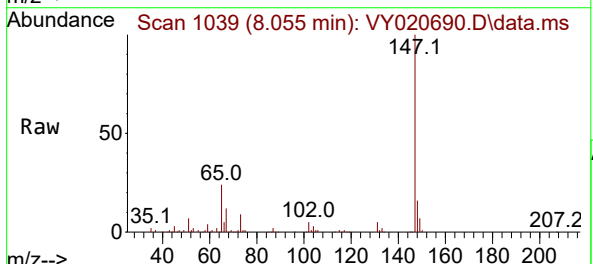


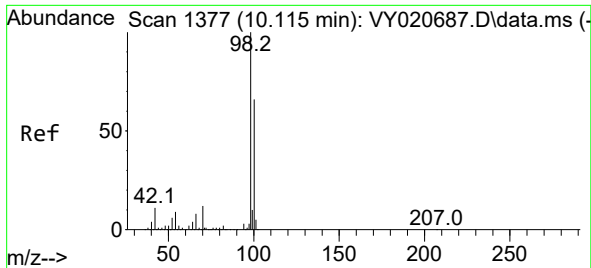
Tgt Ion:117 Resp: 13572
Ion Ratio Lower Upper
117 100
119 5.0 78.3 117.5#
121 0.0 25.1 37.7#



#43
Isopropyl Acetate
Concen: 1.762 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.152 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Tgt Ion: 43 Resp: 1475
Ion Ratio Lower Upper
43 100
61 93.4 23.8 35.6#
87 133.0 10.2 15.4#

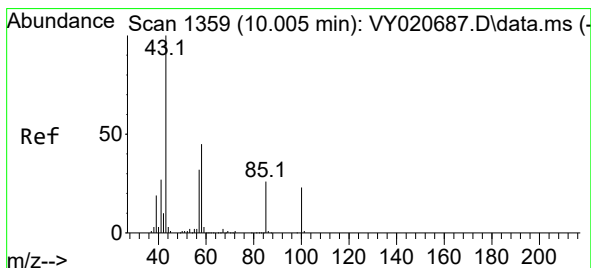
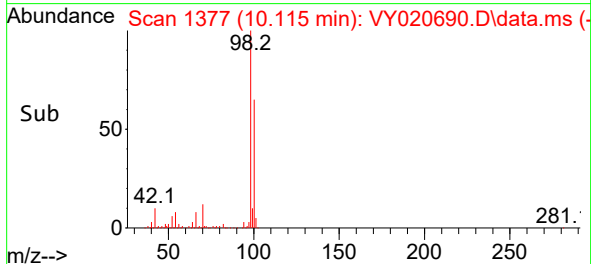
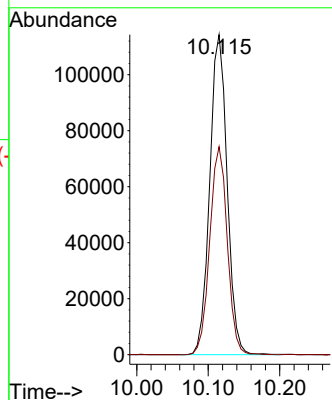
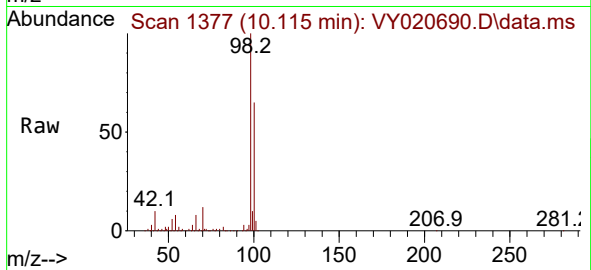




#50
Toluene-d8
Concen: 52.460 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

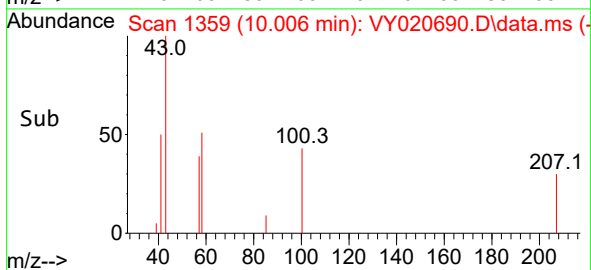
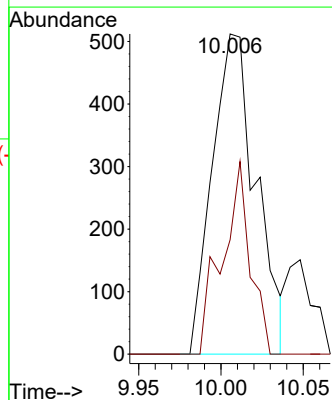
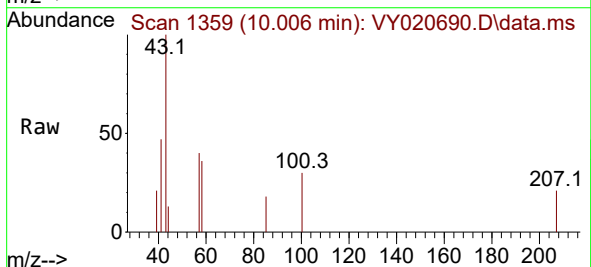
Instrument :
MSVOA_Y
ClientSampleId :

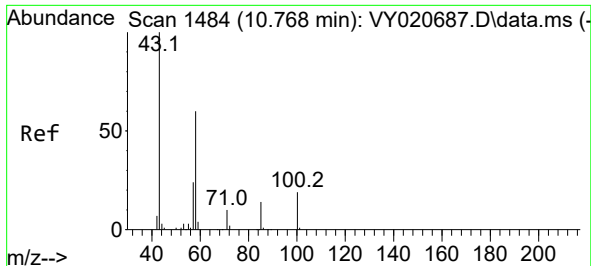
Tgt Ion: 98 Resp: 193162
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1



#51
4-Methyl-2-Pentanone
Concen: 2.270 ug/l
RT: 10.006 min Scan# 1359
Delta R.T. 0.000 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
58 38.5 31.4 47.2





#59

2-Hexanone

Concen: 1.209 ug/l

RT: 10.774 min Scan# 1485

Delta R.T. 0.006 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Instrument :

MSVOA_Y

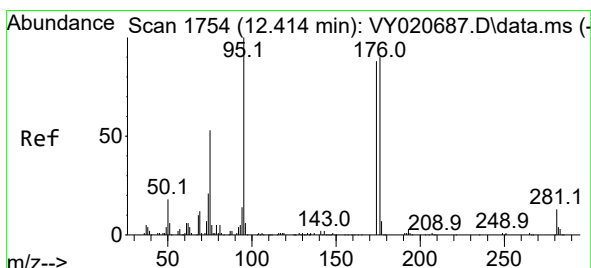
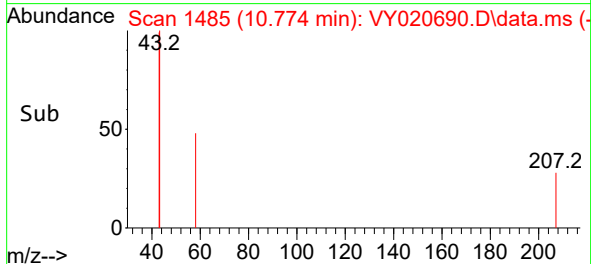
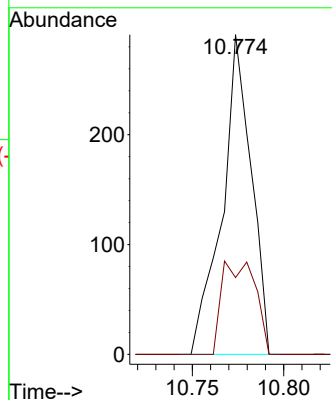
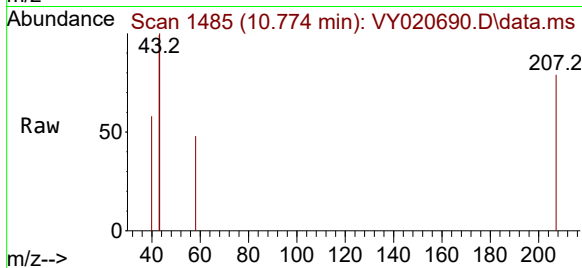
ClientSampleId :

Tgt Ion: 43 Resp: 322

Ion Ratio Lower Upper

43 100

58 33.5 27.2 81.6



#62

4-Bromofluorobenzene

Concen: 46.229 ug/l

RT: 12.414 min Scan# 1754

Delta R.T. -0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

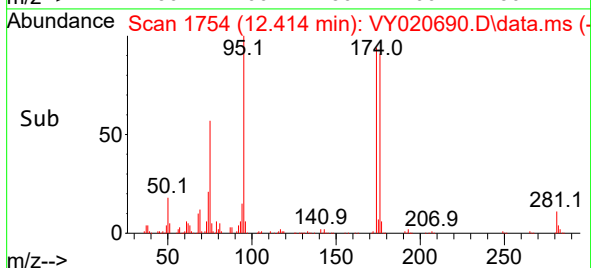
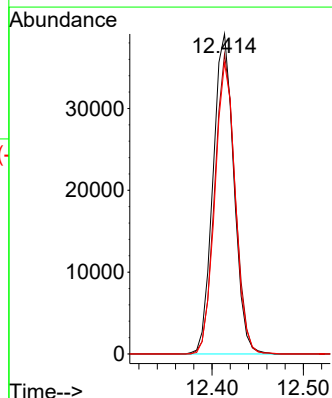
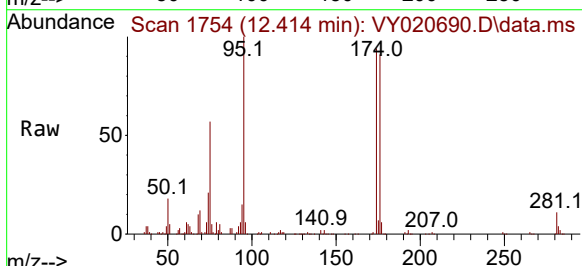
Tgt Ion: 95 Resp: 61955

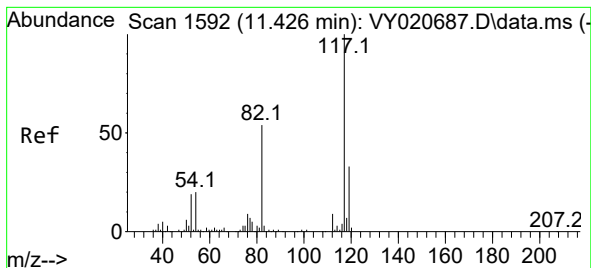
Ion Ratio Lower Upper

95 100

174 91.6 0.0 161.8

176 89.1 0.0 156.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

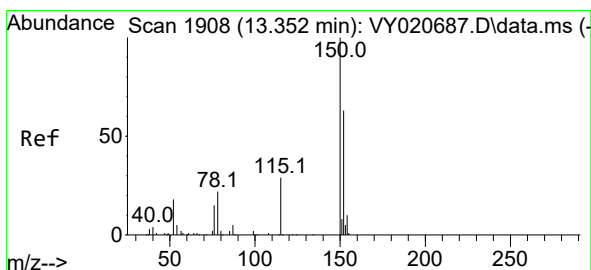
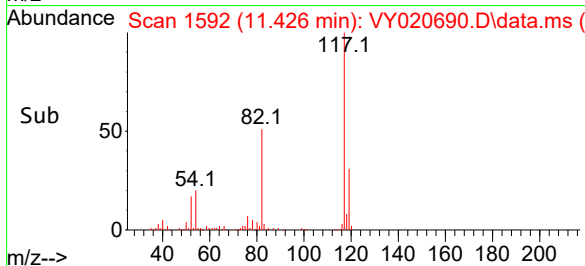
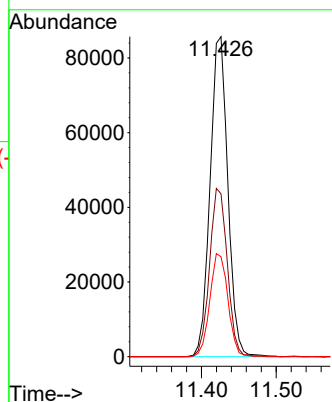
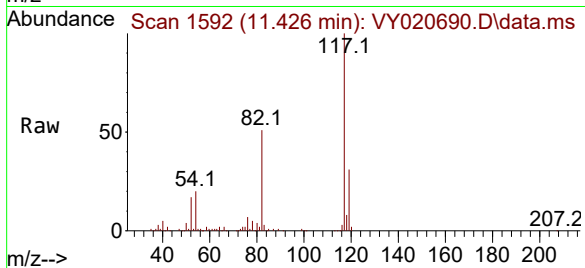
Tgt Ion:117 Resp: 141587

Ion Ratio Lower Upper

117 100

82 50.9 45.8 68.6

119 31.3 25.3 37.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

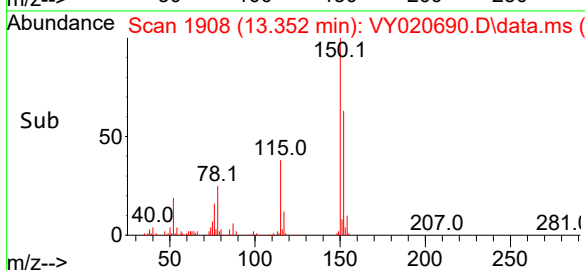
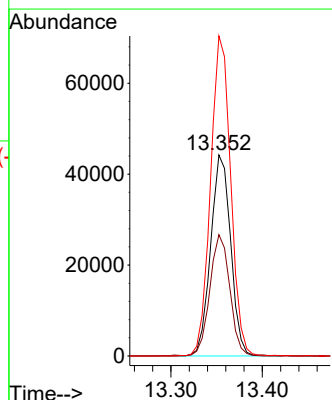
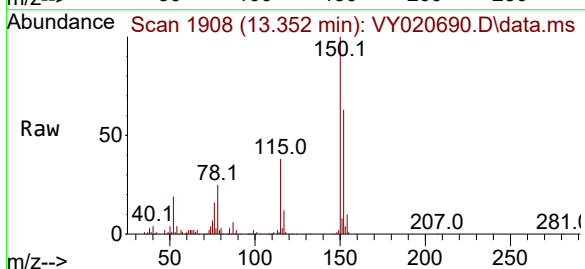
Tgt Ion:152 Resp: 67269

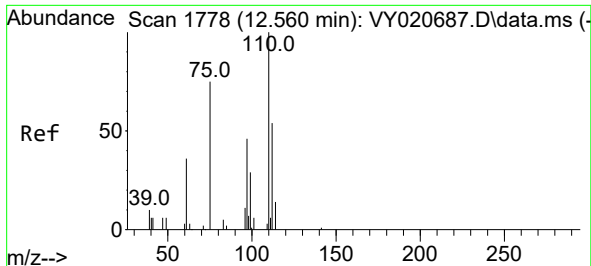
Ion Ratio Lower Upper

152 100

115 59.9 30.2 90.6

150 159.8 0.0 355.4

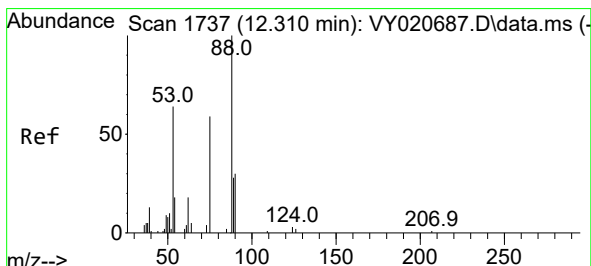
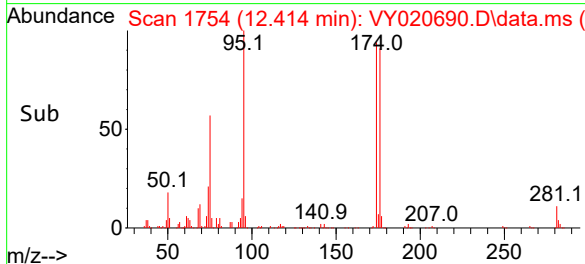
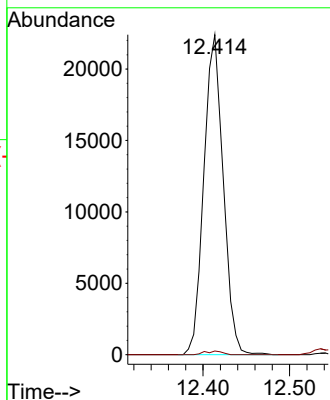
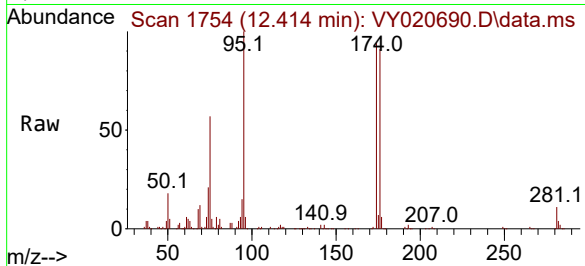




#76
1,2,3-Trichloropropane
Concen: 75.195 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

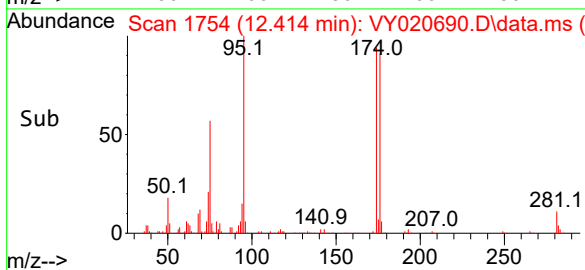
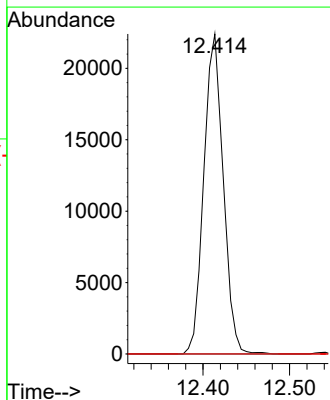
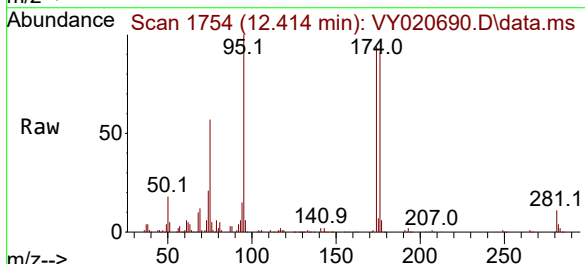
Instrument :
MSVOA_Y
ClientSampleId :

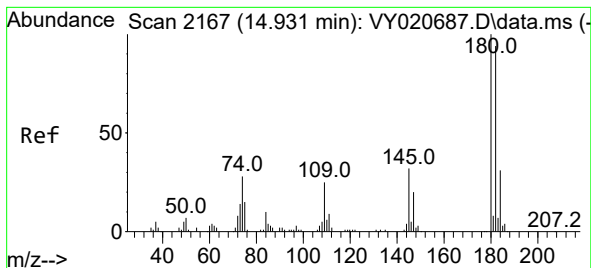
Tgt Ion: 75 Resp: 34884
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 163.458 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.104 min
Lab File: VY020690.D
Acq: 23 Dec 2024 13:46

Tgt Ion: 75 Resp: 34884
Ion Ratio Lower Upper
75 100
53 0.0 75.4 113.2#
89 0.0 37.0 55.4#





#93

1,2,4-Trichlorobenzene

Concen: 1.888 ug/l

RT: 14.931 min Scan# 2167

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

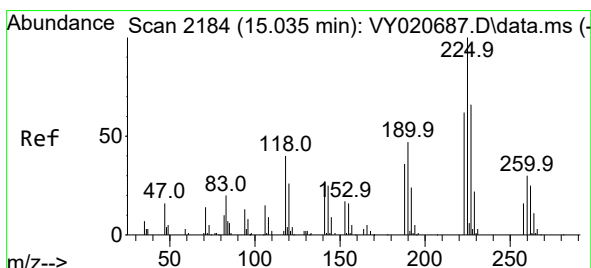
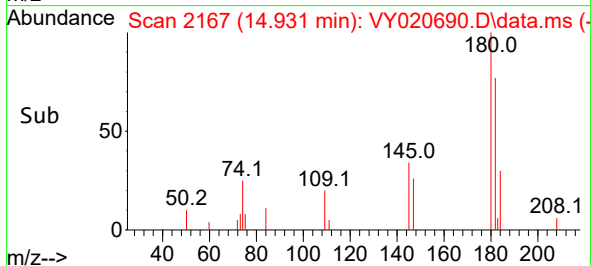
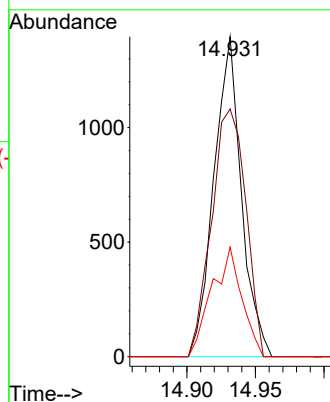
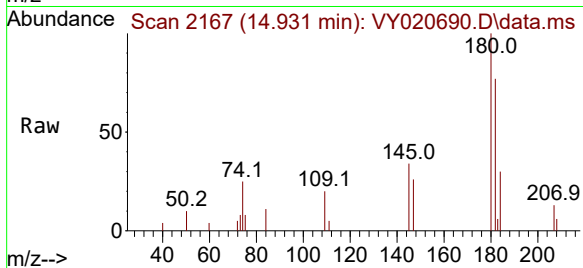
Tgt Ion:180 Resp: 1947

Ion Ratio Lower Upper

180 100

182 96.4 47.9 143.6

145 37.4 15.6 46.7



#94

Hexachlorobutadiene

Concen: 1.123 ug/l

RT: 15.029 min Scan# 2183

Delta R.T. -0.006 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

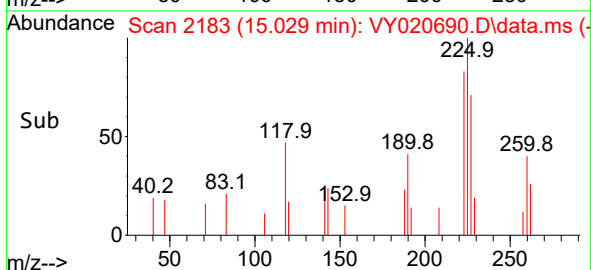
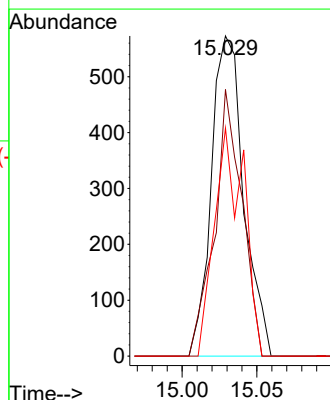
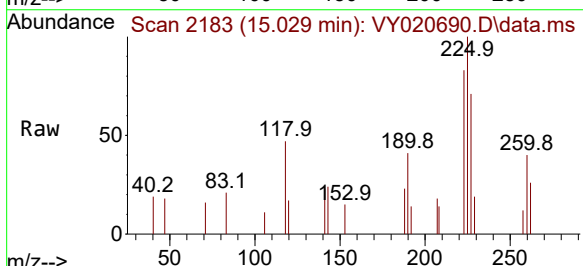
Tgt Ion:225 Resp: 862

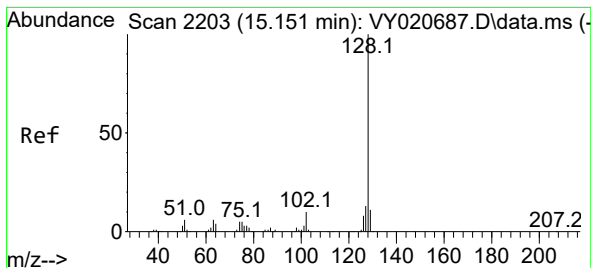
Ion Ratio Lower Upper

225 100

223 70.8 31.8 95.3

227 65.0 32.2 96.6





#95

Naphthalene

Concen: 5.446 ug/l

RT: 15.157 min Scan# 21

Delta R.T. 0.006 min

Lab File: VY020690.D

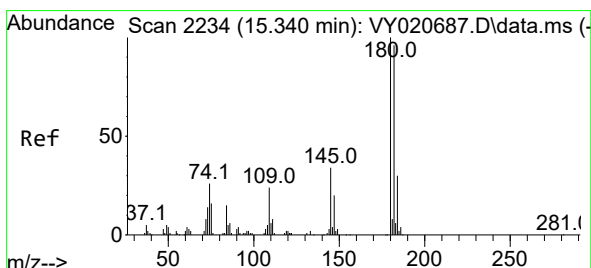
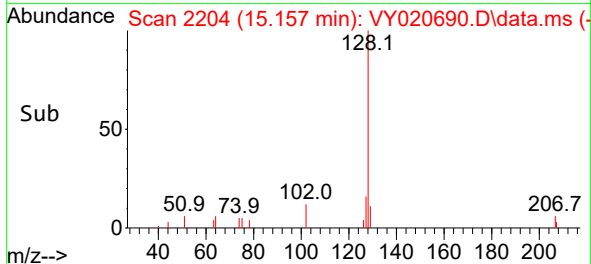
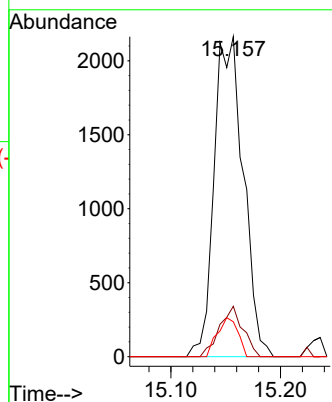
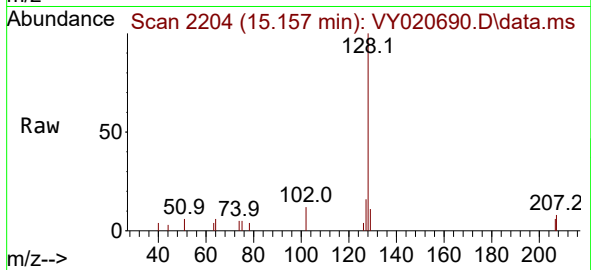
Acq: 23 Dec 2024 13:46

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	128	Resp:	3992
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.7	16.1
129	8.6	8.5	12.7



#96

1,2,3-Trichlorobenzene

Concen: 2.482 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.000 min

Lab File: VY020690.D

Acq: 23 Dec 2024 13:46

Tgt Ion:	180	Resp:	2140
Ion Ratio	Lower	Upper	
180	100		
182	86.1	47.3	141.9
145	35.0	16.0	48.0

