

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050324\
 Data File : VY018138.D
 Acq On : 03 May 2024 13:22
 Operator : SY/MD
 Sample : P2331-16
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 06 02:56:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050124S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 01 16:21:20 2024
 Response via : Initial Calibration

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

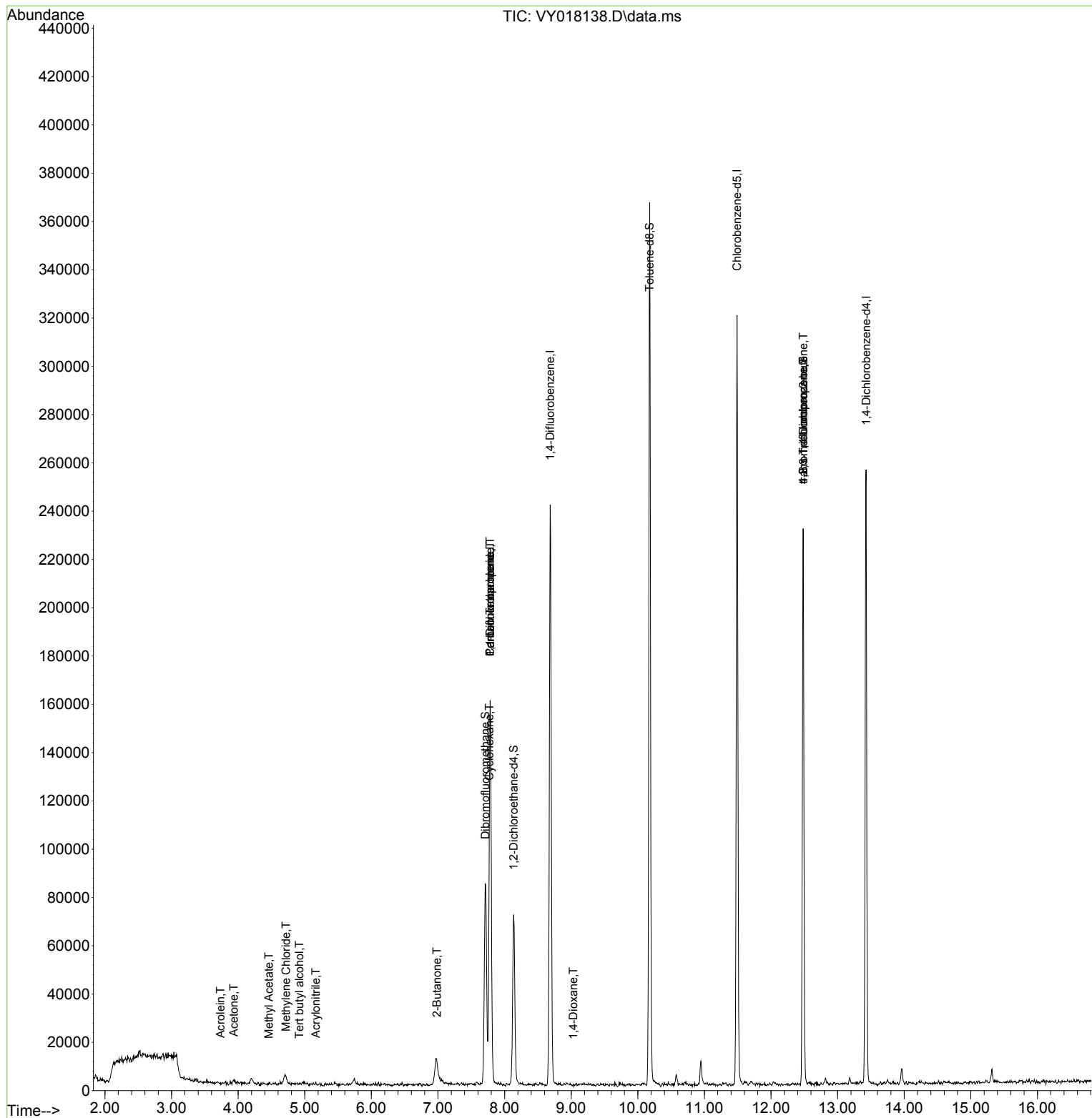
Internal Standards						
1) Pentafluorobenzene	7.783	168	130932	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	224152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	51739	50.132	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.260%	
35) Dibromofluoromethane	7.710	113	61635	47.848	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.700%	
50) Toluene-d8	10.179	98	243126	48.347	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.700%	
62) 4-Bromofluorobenzene	12.483	95	70572	40.779	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 81.560%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.917	59	544	6.467	ug/l #	63
13) Acrolein	3.735	56	194	1.550	ug/l #	34
15) Acrylonitrile	5.167	53	286	1.206	ug/l #	68
16) Acetone	3.936	43	1212	6.164	ug/l	95
18) Methyl Acetate	4.460	43	516	1.025	ug/l #	46
20) Methylene Chloride	4.716	84	3070	2.228	ug/l #	83
25) 2-Butanone	6.984	43	483	1.579	ug/l #	41
31) Cyclohexane	7.771	56	2830	1.431	ug/l #	36
36) 1,1-Dichloropropene	7.783	75	9588	5.576	ug/l #	48
38) Carbon Tetrachloride	7.783	117	12124	6.212	ug/l #	17
49) 1,4-Dioxane	9.033	88	24	2.951	ug/l #	20
76) 1,2,3-Trichloropropane	12.483	75	34248	58.283	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34248	106.177	ug/l #	16

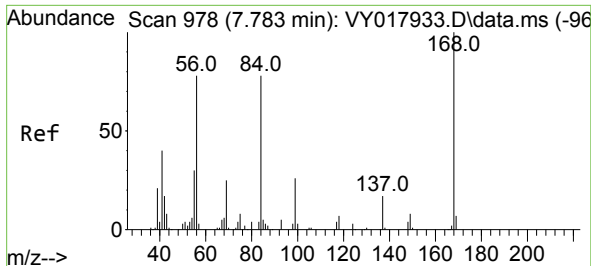
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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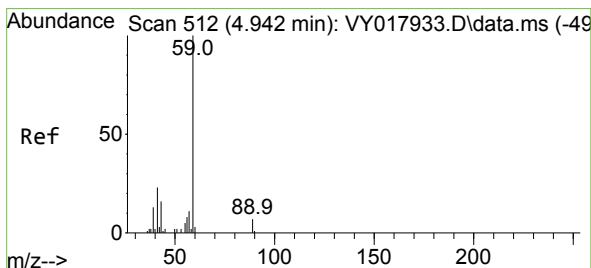
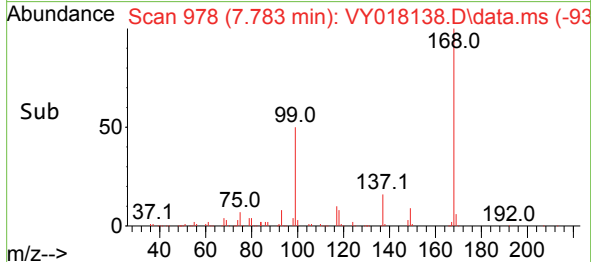
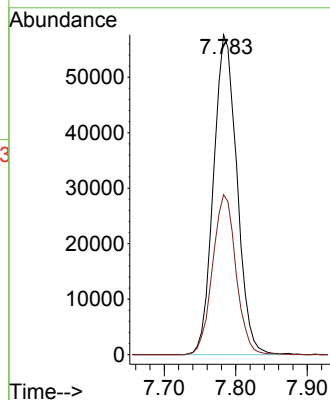
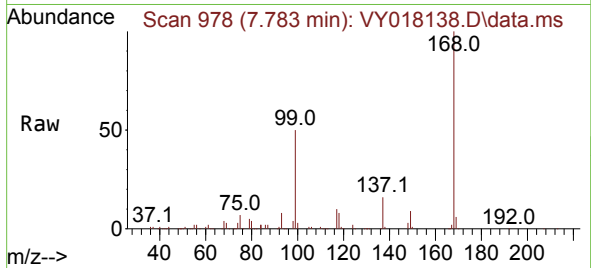




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

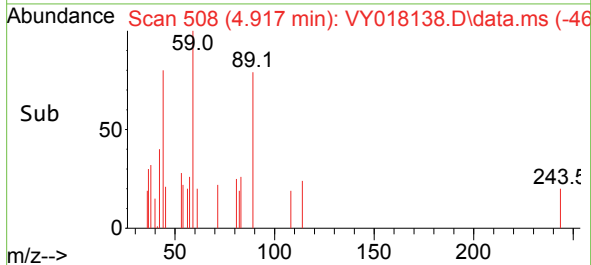
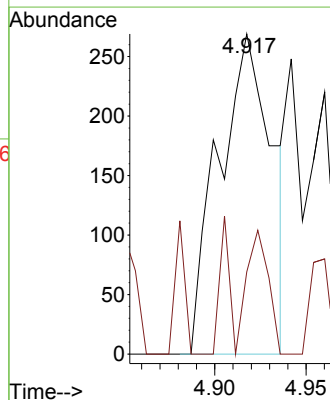
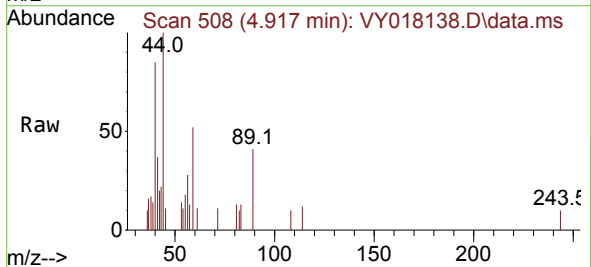
Instrument :
MSVOA_Y
ClientSampleId :

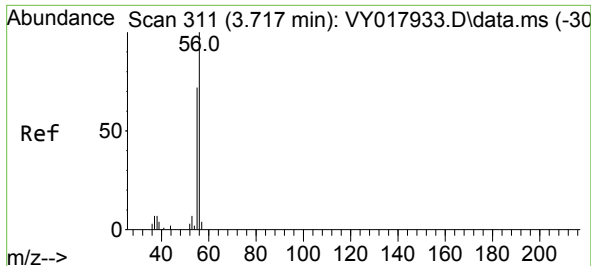
Tgt Ion:168 Resp: 130932
Ion Ratio Lower Upper
168 100
99 50.0 39.1 58.7



#11
Tert butyl alcohol
Concen: 6.467 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.037 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

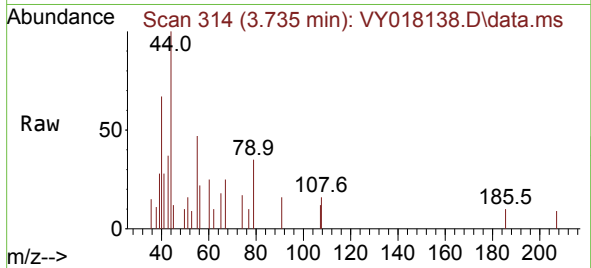
Tgt Ion: 59 Resp: 544
Ion Ratio Lower Upper
59 100
57 16.0 3.0 4.6#



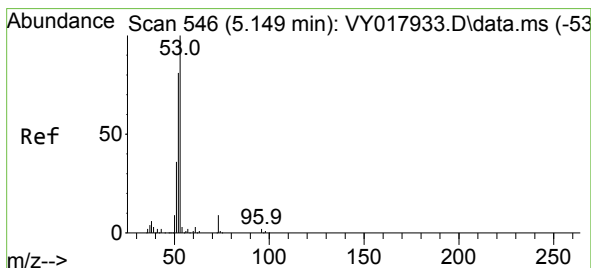
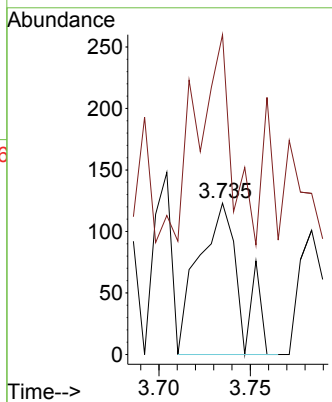
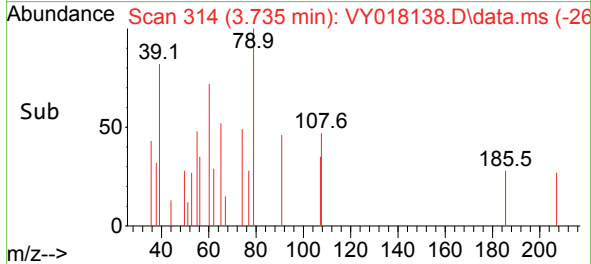


#13
Acrolein
Concen: 1.550 ug/l
RT: 3.735 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

Instrument :
MSVOA_Y
ClientSampleId :

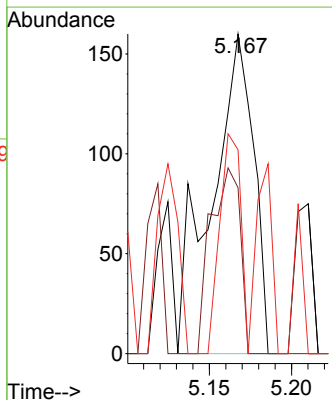
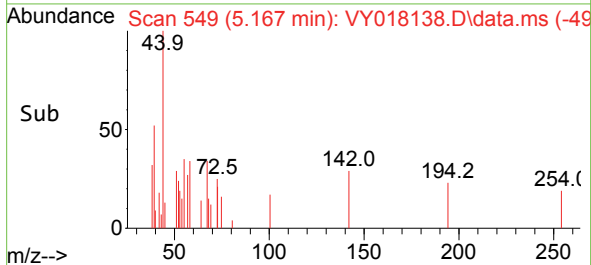
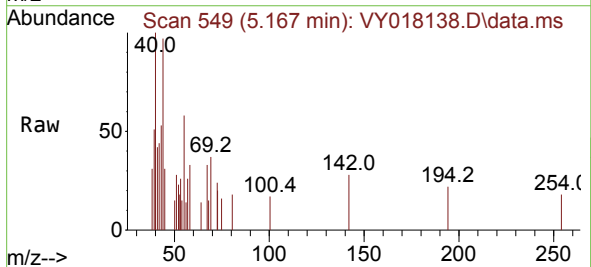


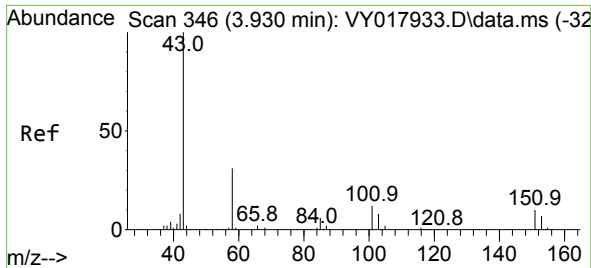
Tgt Ion: 56 Resp: 194
Ion Ratio Lower Upper
56 100
55 123.7 55.7 83.5#



#15
Acrylonitrile
Concen: 1.206 ug/l
RT: 5.167 min Scan# 549
Delta R.T. 0.006 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

Tgt Ion: 53 Resp: 286
Ion Ratio Lower Upper
53 100
52 40.2 64.7 97.1#
51 34.3 28.4 42.6

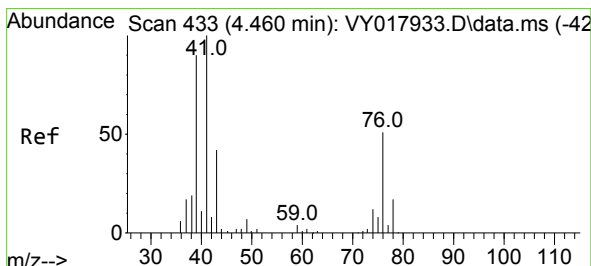
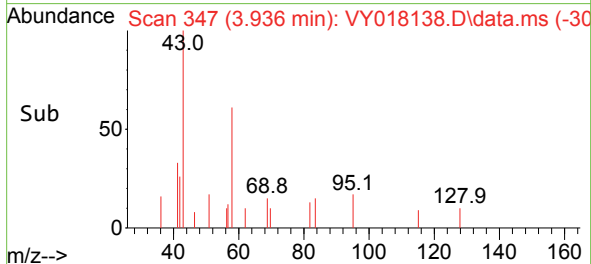
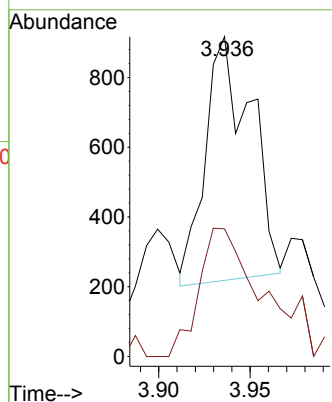
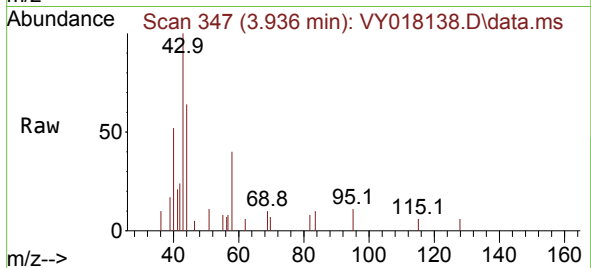




#16
Acetone
Concen: 6.164 ug/l
RT: 3.936 min Scan# 346
Delta R.T. -0.012 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

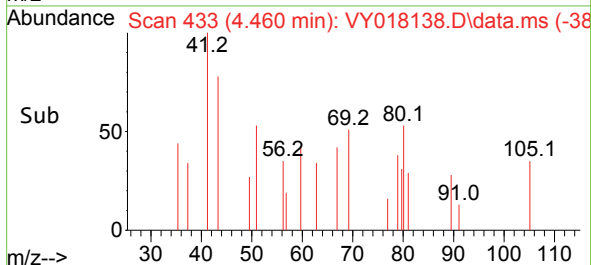
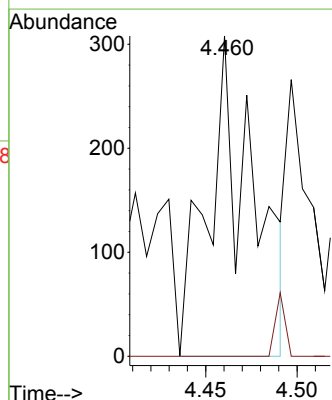
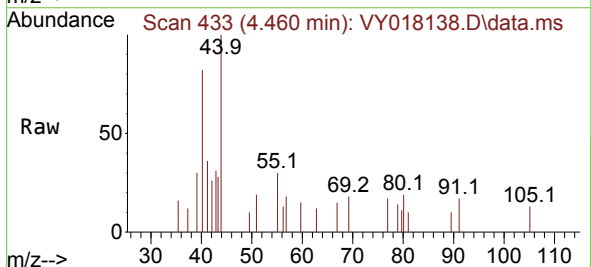
Instrument :
MSVOA_Y
ClientSampleId :

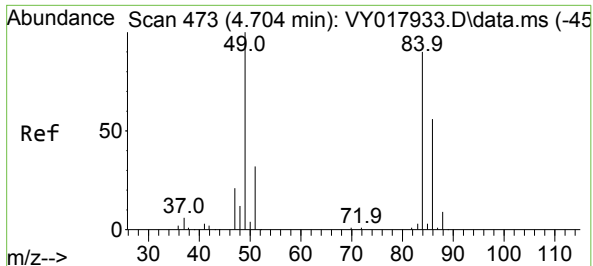
Tgt Ion: 43 Resp: 1212
Ion Ratio Lower Upper
43 100
58 42.6 31.7 47.5



#18
Methyl Acetate
Concen: 1.025 ug/l
RT: 4.460 min Scan# 433
Delta R.T. -0.018 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

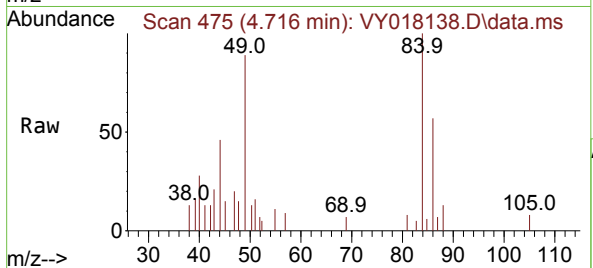
Tgt Ion: 43 Resp: 516
Ion Ratio Lower Upper
43 100
74 0.0 23.3 34.9#





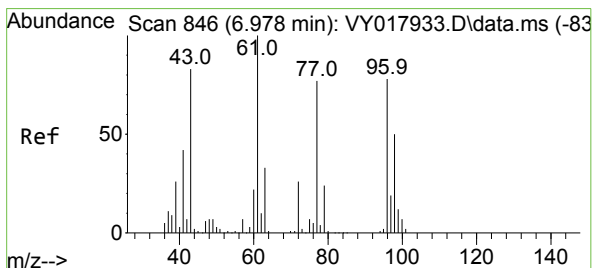
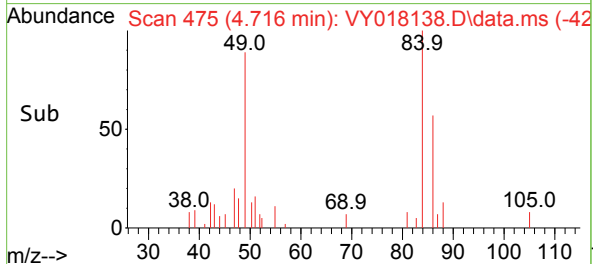
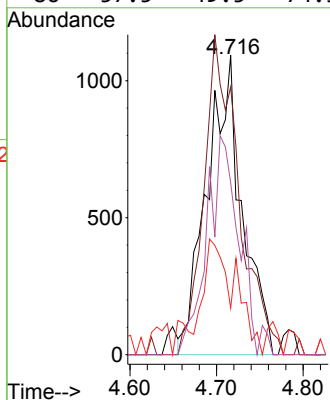
#20
Methylene Chloride
Concen: 2.228 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 3070

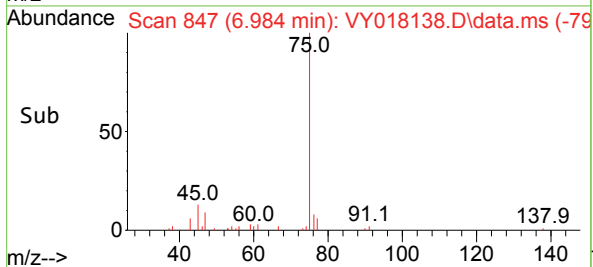
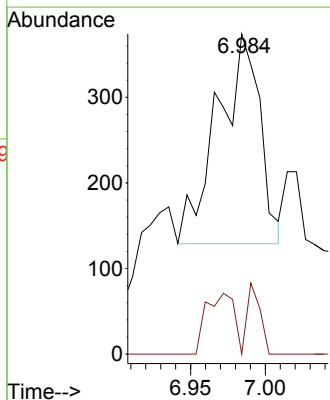
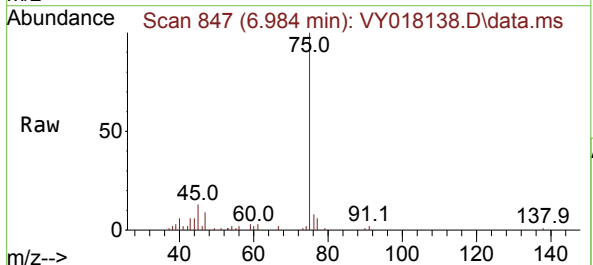
Ion	Ratio	Lower	Upper
84	100		
49	89.4	84.4	126.6
51	8.8	26.0	39.0#
86	57.5	49.5	74.3

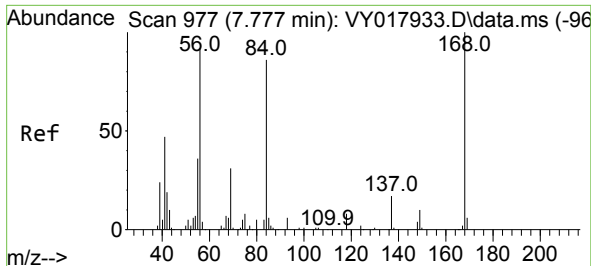


#25
2-Butanone
Concen: 1.579 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

Tgt Ion: 43 Resp: 483

Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#

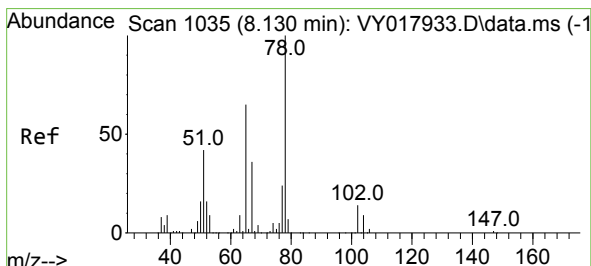
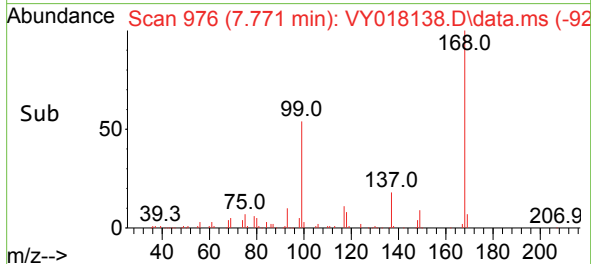
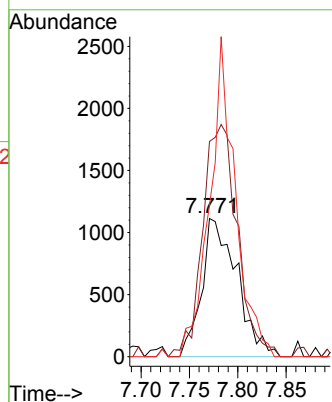
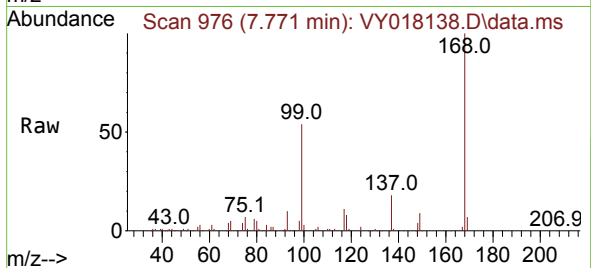




#31
Cyclohexane
Concen: 1.431 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

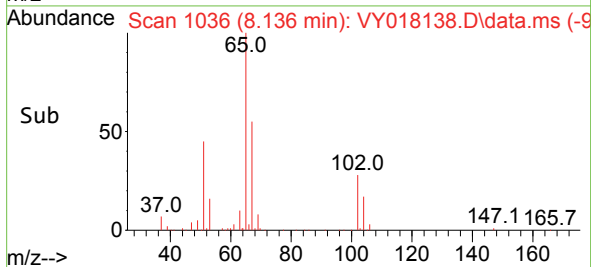
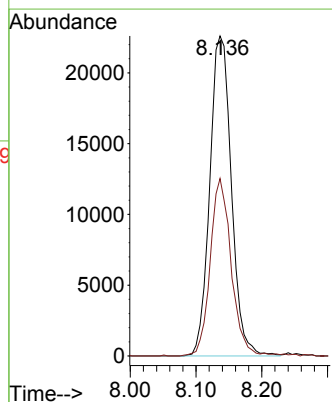
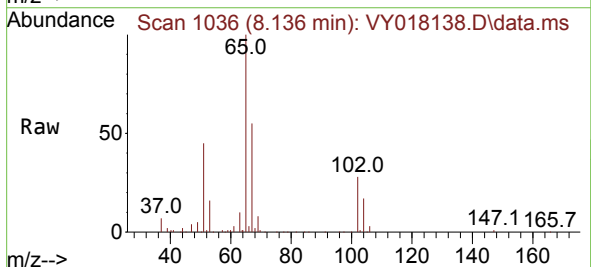
Instrument :
MSVOA_Y
ClientSampleId :

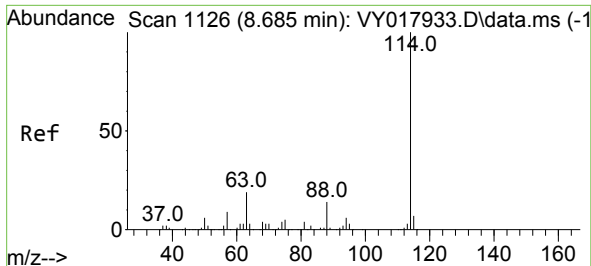
Tgt Ion: 56 Resp: 2830
Ion Ratio Lower Upper
56 100
69 155.7 28.7 43.1#
84 109.5 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 50.132 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

Tgt Ion: 65 Resp: 51739
Ion Ratio Lower Upper
65 100
67 53.6 0.0 109.6

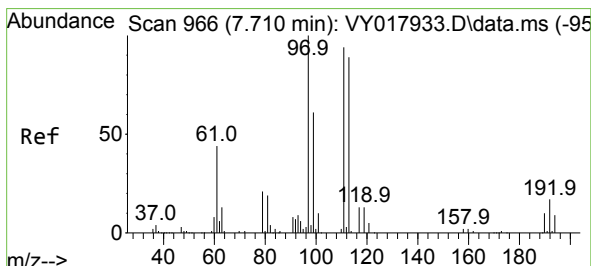
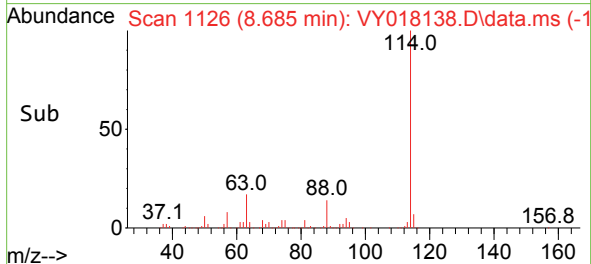
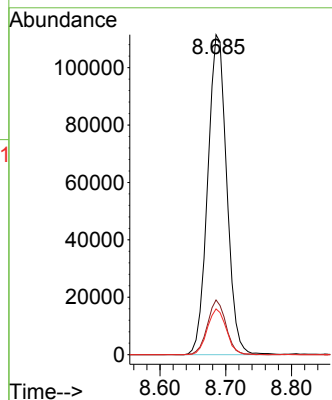
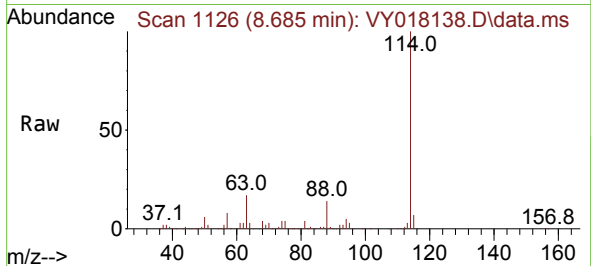




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

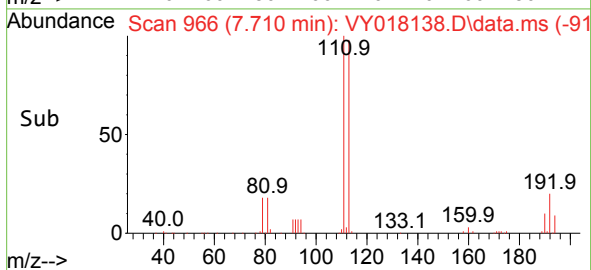
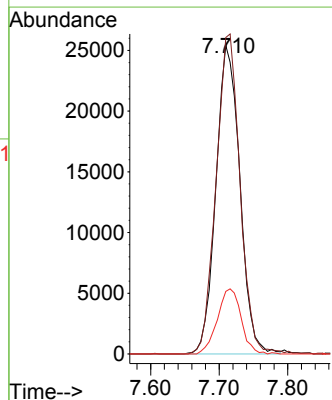
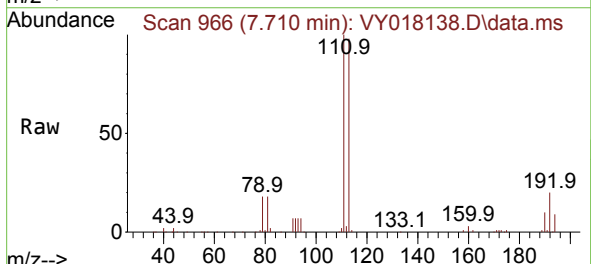
Instrument :
MSVOA_Y
ClientSampleId :

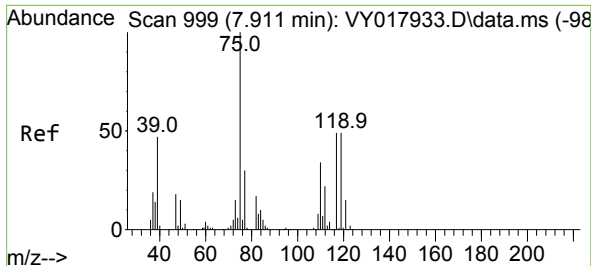
Tgt Ion:114 Resp: 224152
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.0
88 14.3 0.0 27.2



#35
Dibromofluoromethane
Concen: 47.848 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.012 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

Tgt Ion:113 Resp: 61635
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 20.8 15.9 23.9

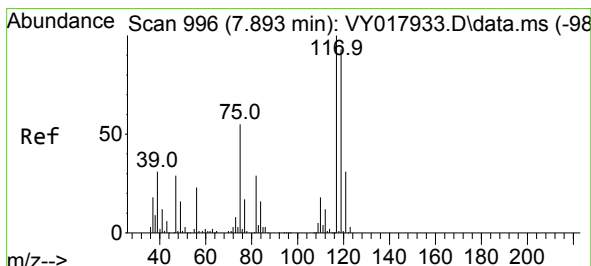
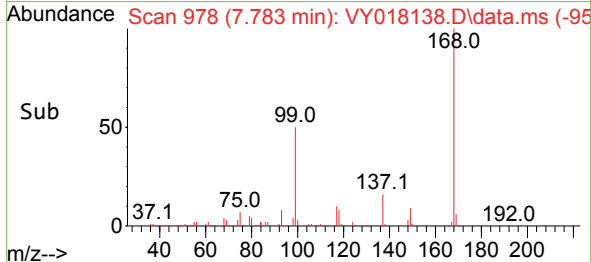
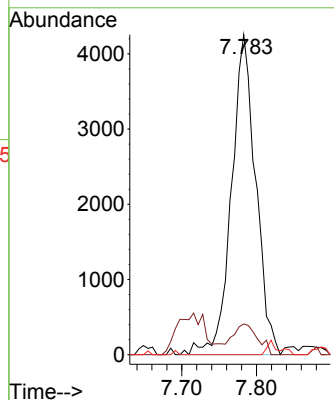
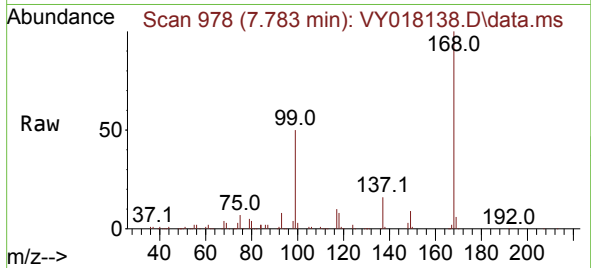




#36
1,1-Dichloropropene
Concen: 5.576 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

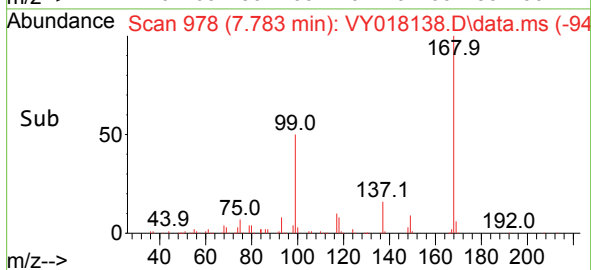
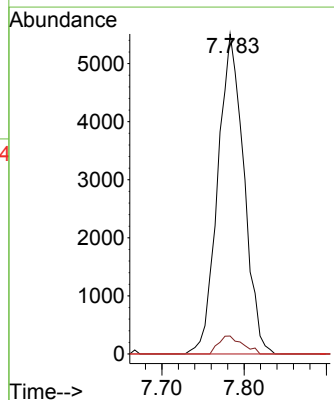
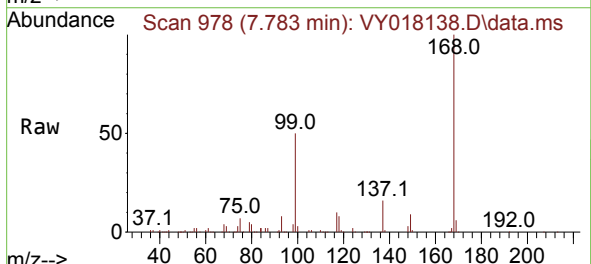
Instrument :
MSVOA_Y
ClientSampleId :

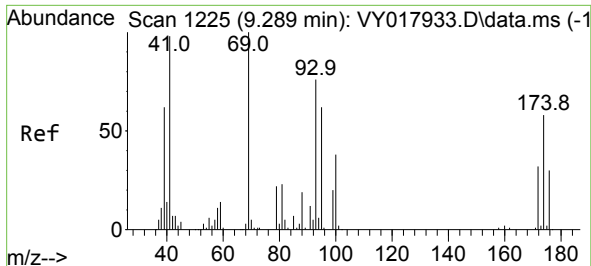
Tgt Ion: 75 Resp: 9588
Ion Ratio Lower Upper
75 100
110 9.6 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.212 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.122 min
Lab File: VY018138.D
Acq: 03 May 2024 13:22

Tgt Ion: 117 Resp: 12124
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.0 36.0#





#49

1,4-Dioxane

Concen: 2.951 ug/l

RT: 9.033 min Scan# 1183

Delta R.T. -0.268 min

Lab File: VY018138.D

Acq: 03 May 2024 13:22

Instrument :

MSVOA_Y

ClientSampleId :

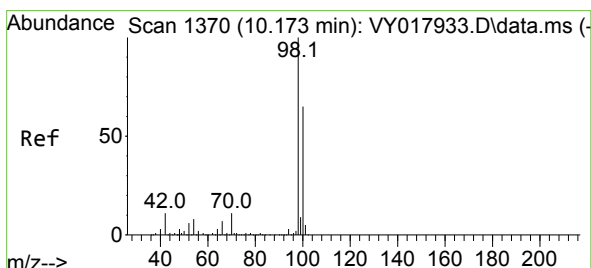
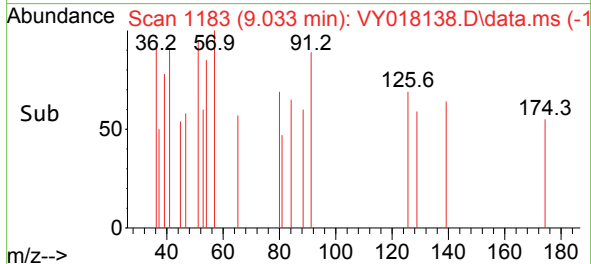
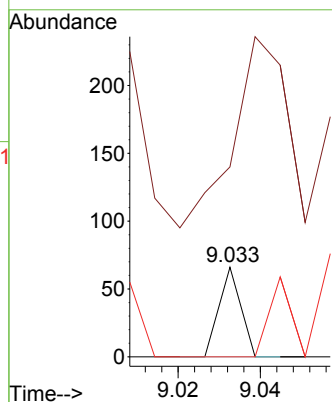
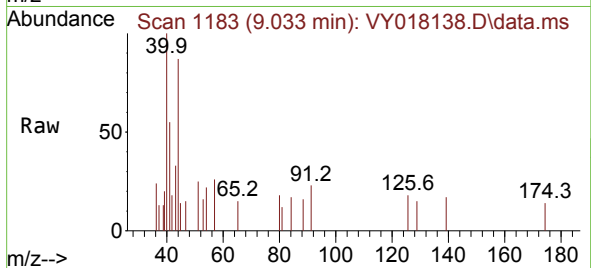
Tgt Ion: 88 Resp: 24

Ion Ratio Lower Upper

88 100

43 512.5 0.0 0.0#

58 0.0 49.3 73.9#



#50

Toluene-d8

Concen: 48.347 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY018138.D

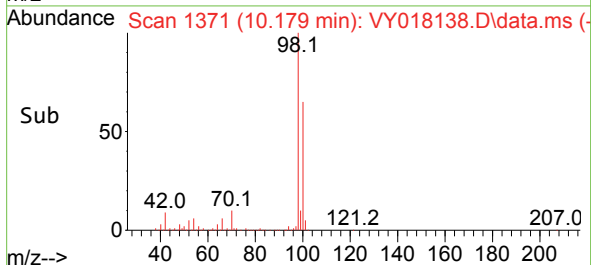
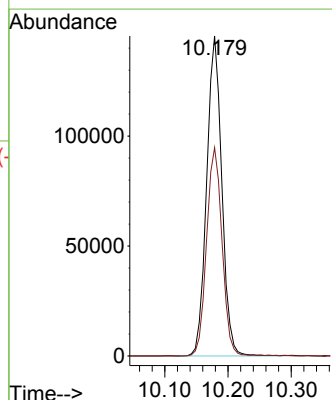
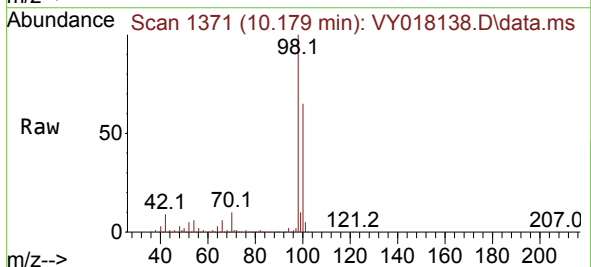
Acq: 03 May 2024 13:22

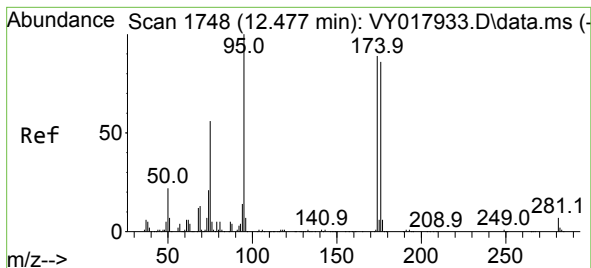
Tgt Ion: 98 Resp: 243126

Ion Ratio Lower Upper

98 100

100 66.4 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 40.779 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY018138.D

Acq: 03 May 2024 13:22

Instrument :

MSVOA_Y

ClientSampleId :

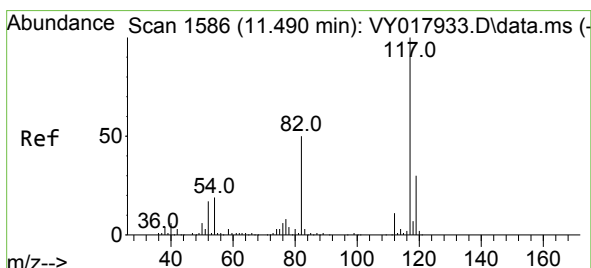
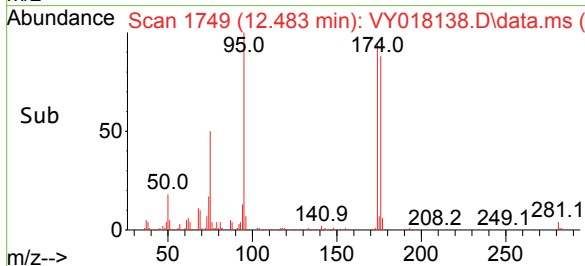
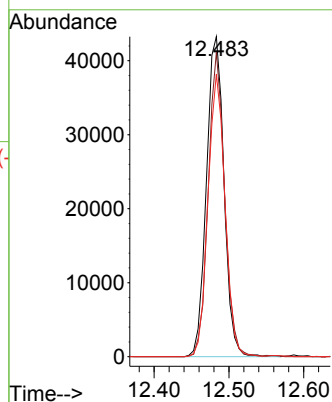
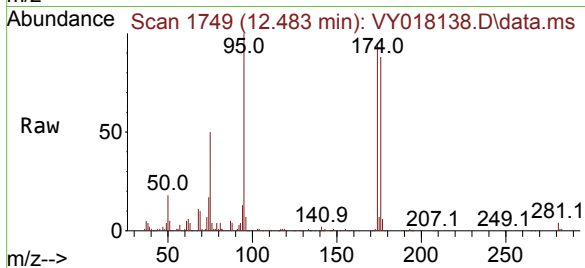
Tgt Ion: 95 Resp: 70572

Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.6

176 85.7 0.0 171.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. 0.000 min

Lab File: VY018138.D

Acq: 03 May 2024 13:22

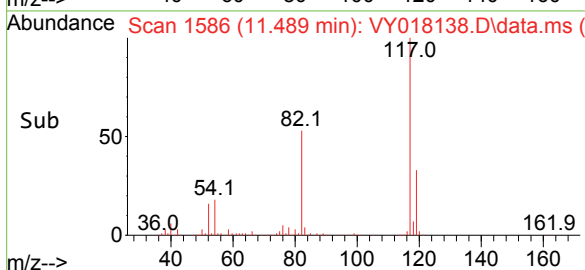
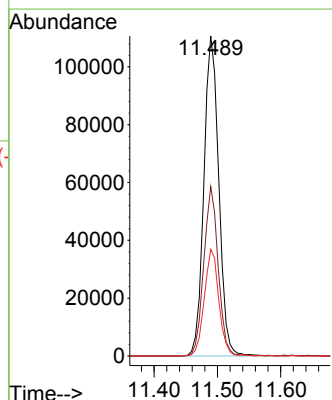
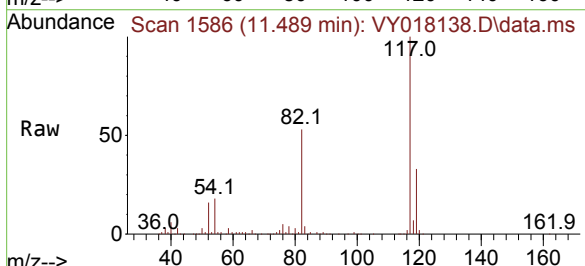
Tgt Ion: 117 Resp: 181730

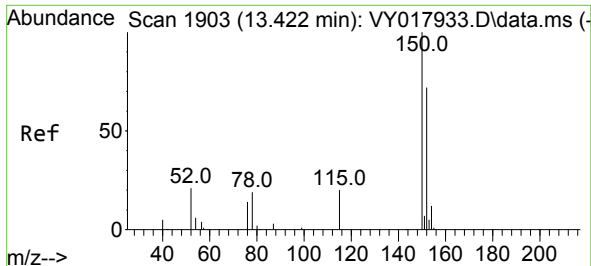
Ion Ratio Lower Upper

117 100

82 53.0 42.4 63.6

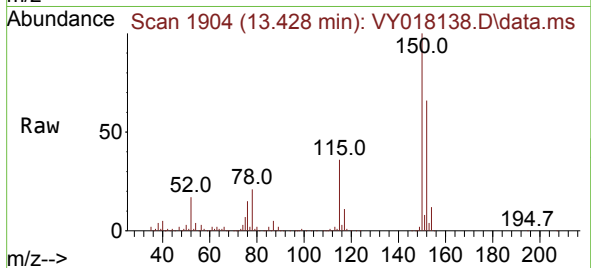
119 33.3 25.9 38.9





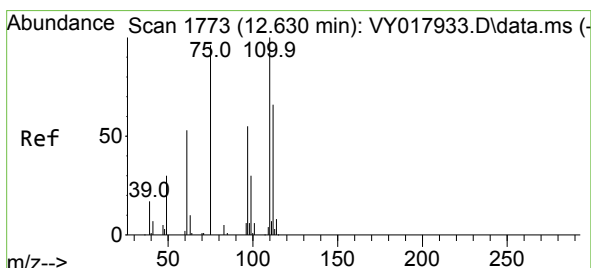
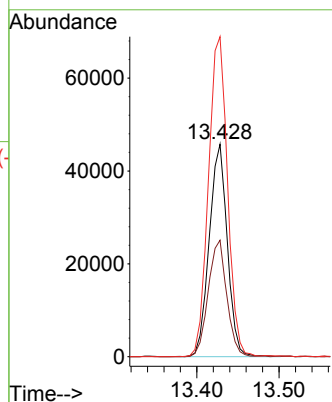
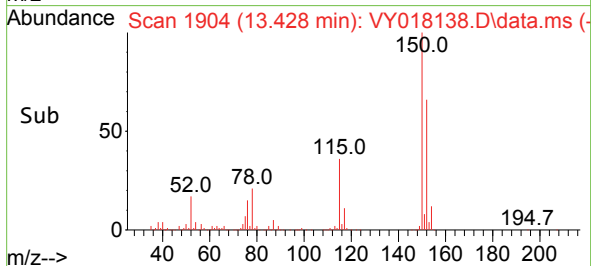
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY018138.D
 Acq: 03 May 2024 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:152 Resp: 70017

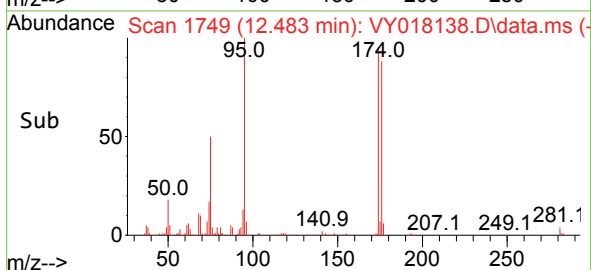
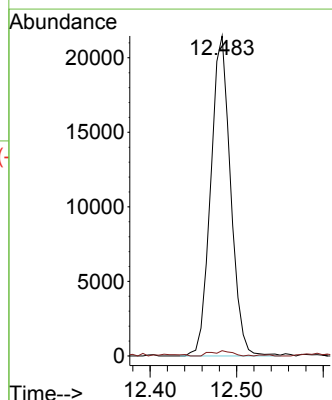
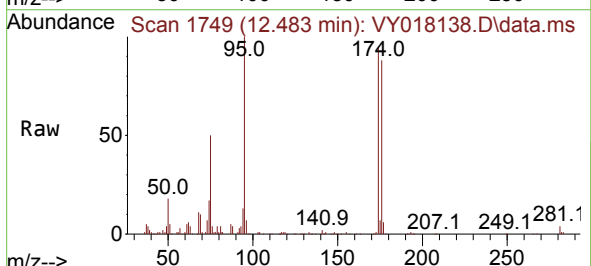
Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	158.3	0.0	345.6

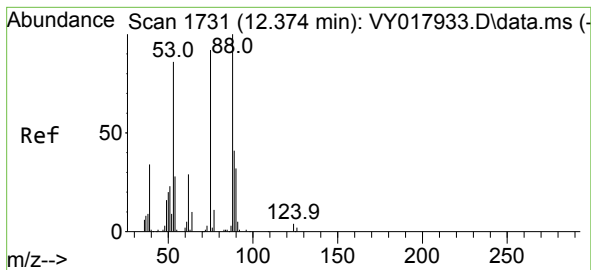


#76
 1,2,3-Trichloropropane
 Concen: 58.283 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY018138.D
 Acq: 03 May 2024 13:22

Tgt Ion: 75 Resp: 34248

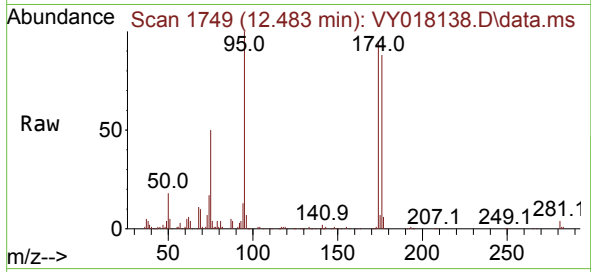
Ion	Ratio	Lower	Upper
75	100		
77	1.7	0.0	0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 106.177 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY018138.D
 Acq: 03 May 2024 13:22

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	34248
Ion	Ratio	Lower	Upper
75	100		
53	0.0	66.8	100.2#
89	0.3	35.8	53.6#

