

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052324\
 Data File : VY018357.D
 Acq On : 23 May 2024 12:56
 Operator : SY/MD
 Sample : P2539-07
 Misc : 4.56g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 24 01:15:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y052224S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 23 01:40:36 2024
 Response via : Initial Calibration

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

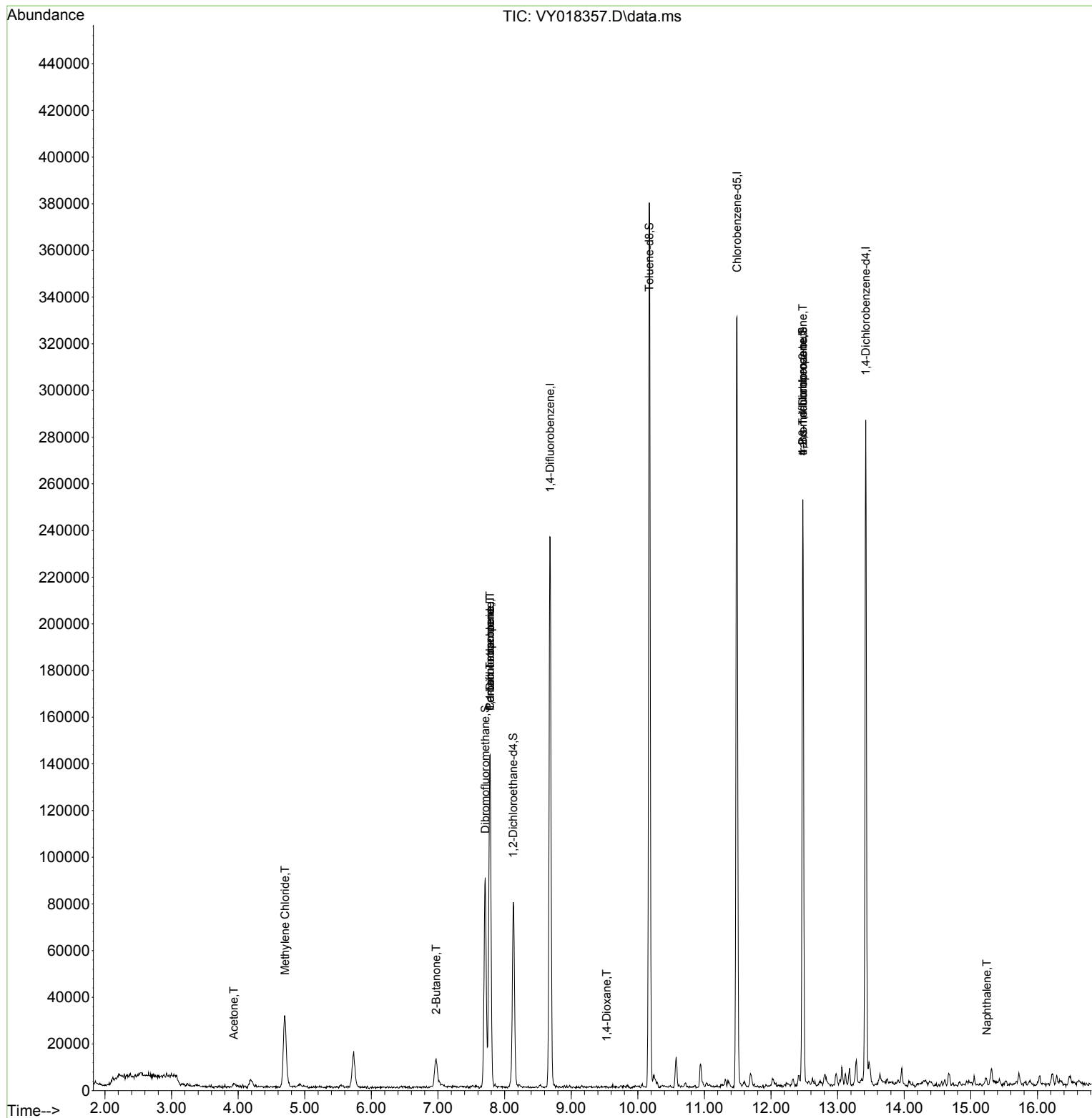
Internal Standards						
1) Pentafluorobenzene	7.783	168	105900	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.685	114	211173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	183457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	68444	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	58669	58.475	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.960%	
35) Dibromofluoromethane	7.710	113	63071	51.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.440%	
50) Toluene-d8	10.173	98	247691	51.589	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.180%	
62) 4-Bromofluorobenzene	12.477	95	73778	49.731	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	140	Below Cal	#	88
13) Acrolein	3.692	56	57	Below Cal	#	62
16) Acetone	3.936	43	2808	13.607	ug/l	96
20) Methylene Chloride	4.704	84	23589	16.622	ug/l	91
25) 2-Butanone	6.972	43	1554	4.752	ug/l	# 64
31) Cyclohexane	7.777	56	2891	Below Cal	#	8
36) 1,1-Dichloropropene	7.783	75	9408	5.268	ug/l	# 40
38) Carbon Tetrachloride	7.783	117	11196	6.121	ug/l	# 17
49) 1,4-Dioxane	9.533	88	57	6.114	ug/l	# 20
76) 1,2,3-Trichloropropane	12.477	75	39634	64.429	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	39634	132.562	ug/l	# 16
95) Naphthalene	15.239	128	2545	1.129	ug/l	# 96

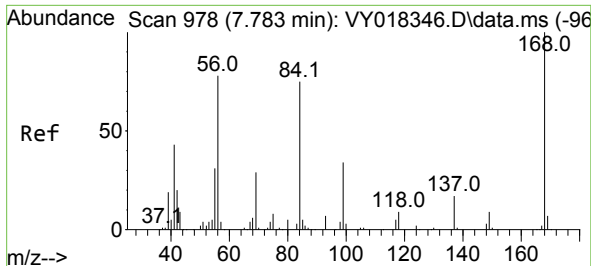
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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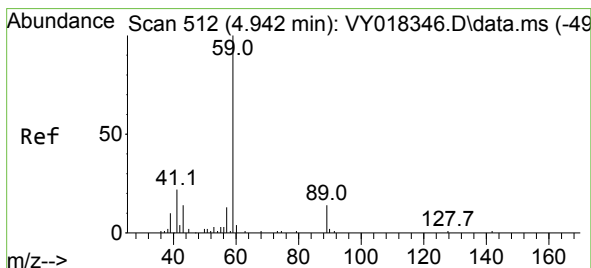
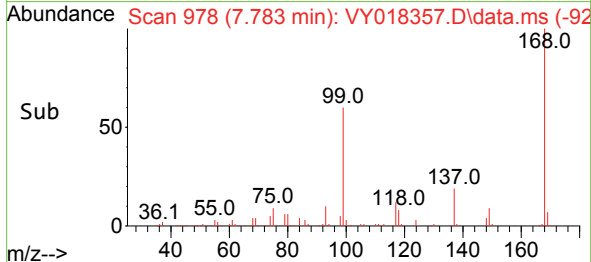
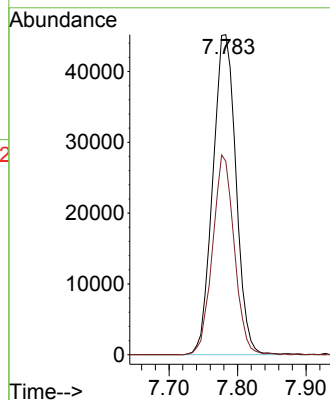
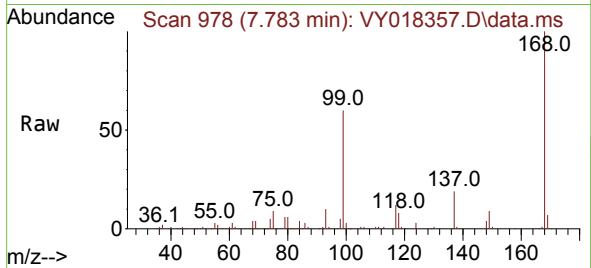




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

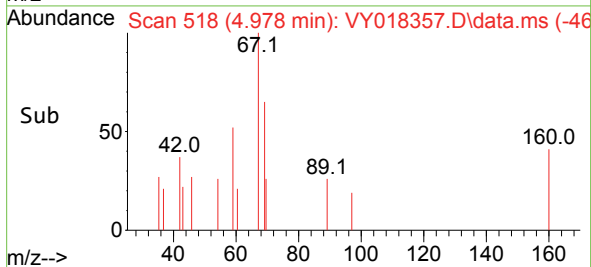
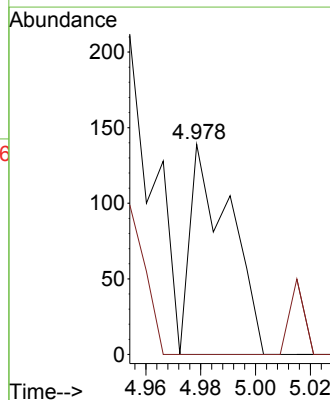
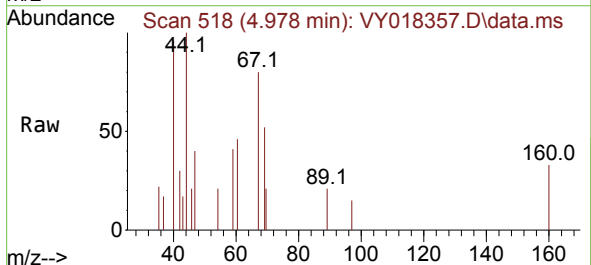
Instrument :
MSVOA_Y
ClientSampleId :

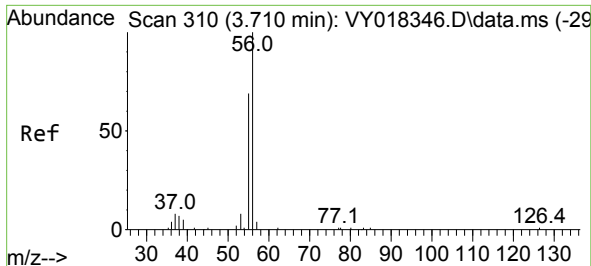
Tgt Ion:168 Resp: 105900
Ion Ratio Lower Upper
168 100
99 60.5 39.1 58.7#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.036 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

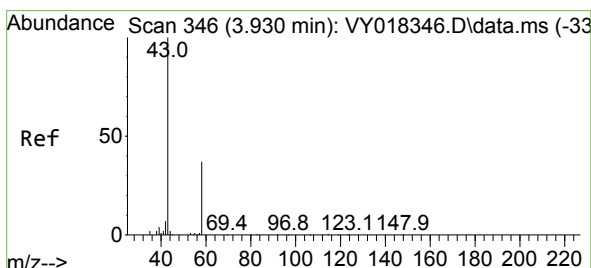
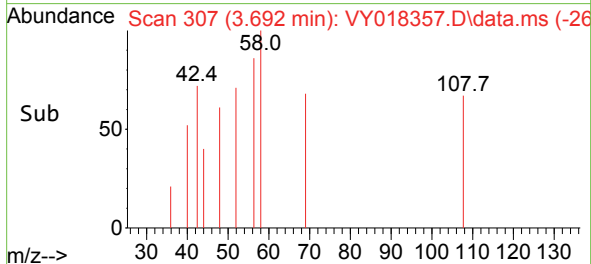
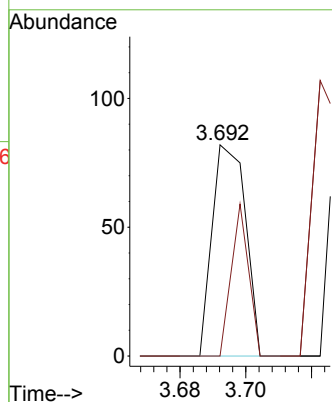
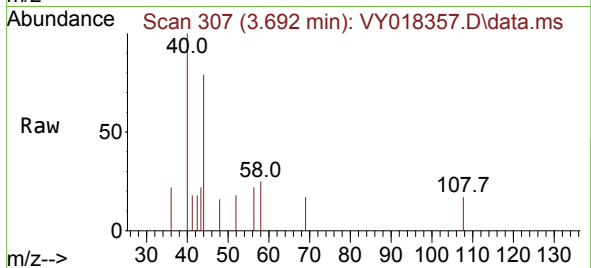




#13
Acrolein
Concen: Below Cal
RT: 3.692 min Scan# 307
Delta R.T. -0.018 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

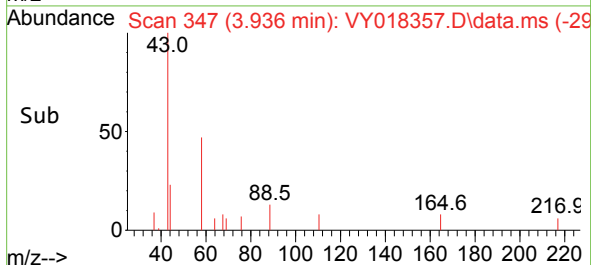
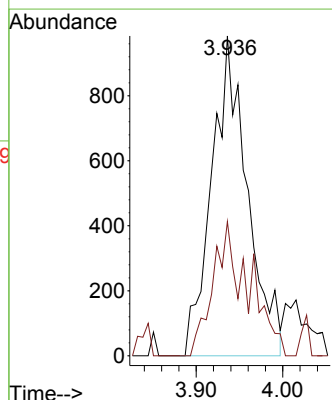
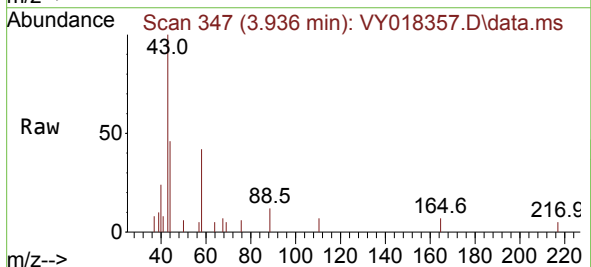
Instrument :
MSVOA_Y
ClientSampleId :

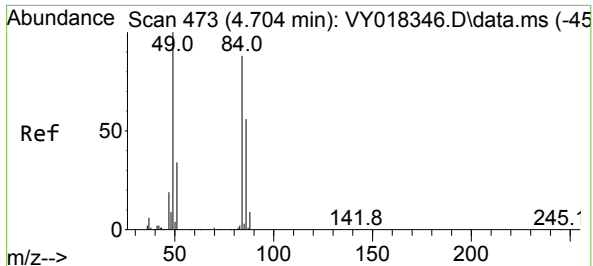
Tgt Ion: 56 Resp: 57
Ion Ratio Lower Upper
56 100
55 38.6 55.7 83.5#



#16
Acetone
Concen: 13.607 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

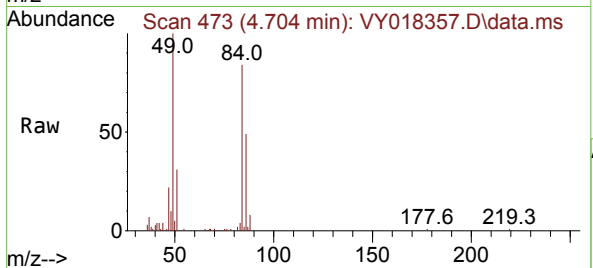
Tgt Ion: 43 Resp: 2808
Ion Ratio Lower Upper
43 100
58 42.0 31.7 47.5





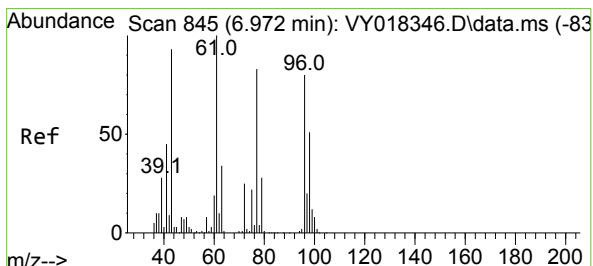
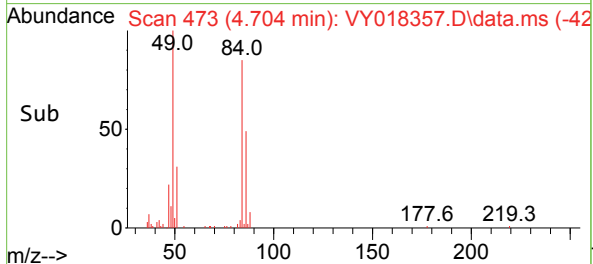
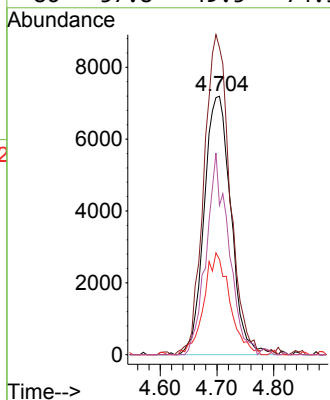
#20
Methylene Chloride
Concen: 16.622 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 23589

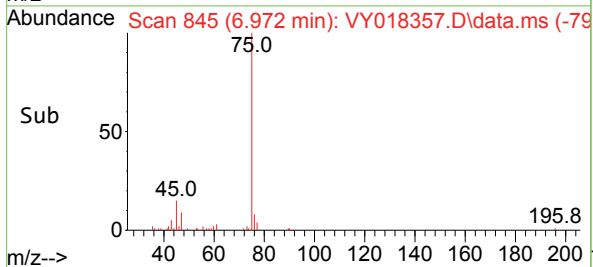
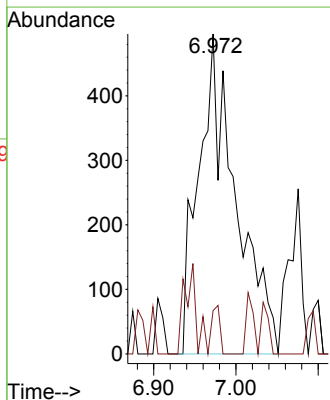
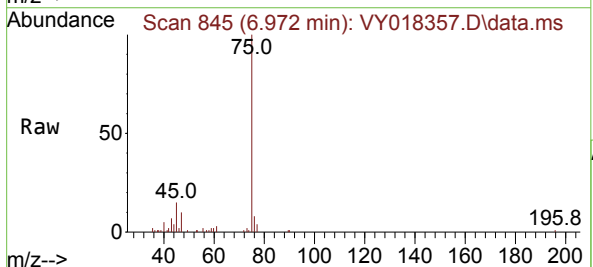
Ion	Ratio	Lower	Upper
84	100		
49	117.6	84.4	126.6
51	36.9	26.0	39.0
86	57.8	49.5	74.3

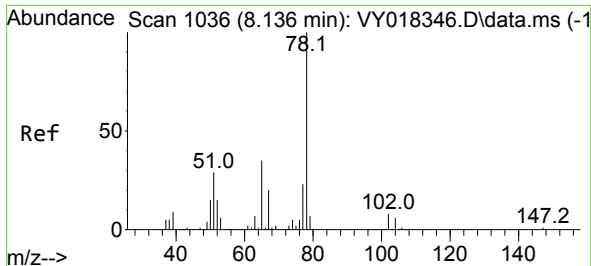


#25
2-Butanone
Concen: 4.752 ug/l
RT: 6.972 min Scan# 845
Delta R.T. 0.000 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Tgt Ion: 43 Resp: 1554

Ion	Ratio	Lower	Upper
43	100		
72	13.5	27.3	40.9#

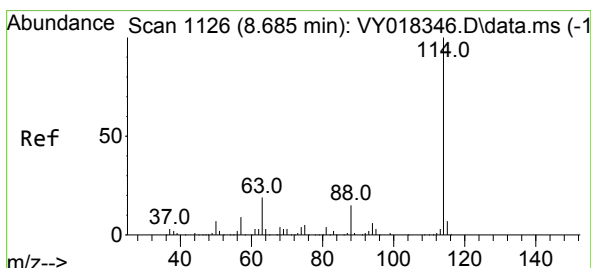
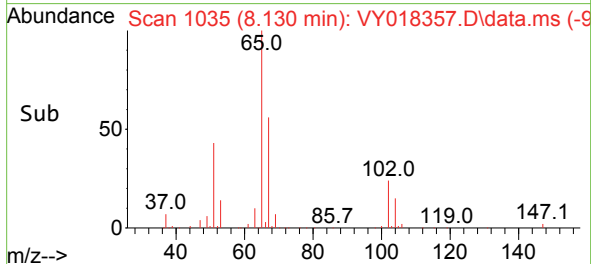
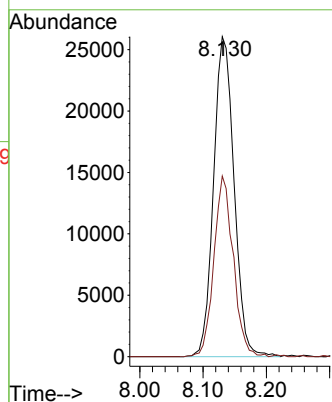
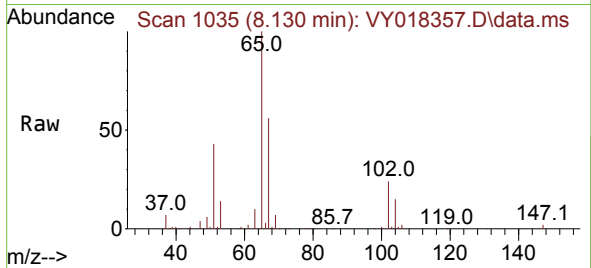




#33
1,2-Dichloroethane-d4
Concen: 58.475 ug/l
RT: 8.130 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

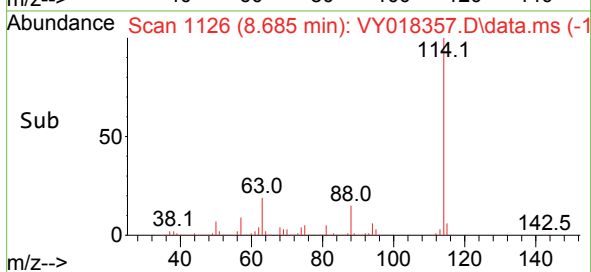
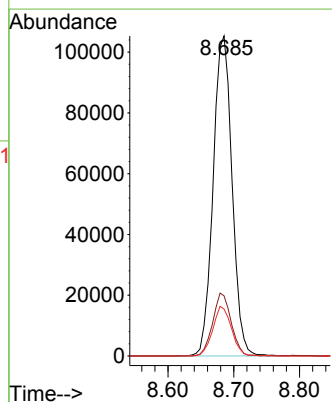
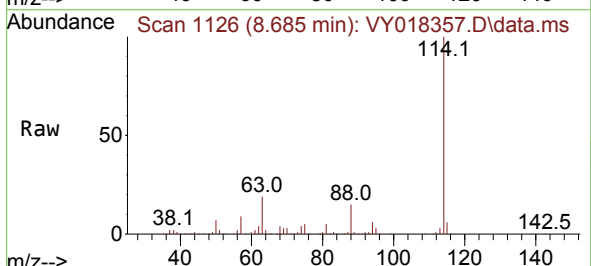
Instrument :
MSVOA_Y
ClientSampleId :

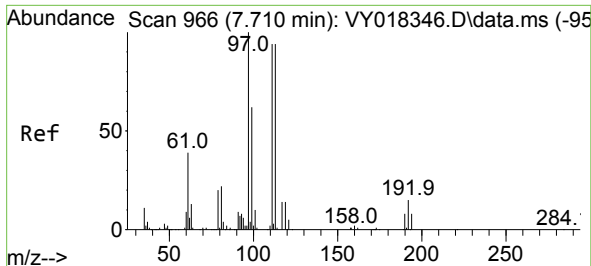
Tgt Ion: 65 Resp: 58669
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Tgt Ion: 114 Resp: 211173
Ion Ratio Lower Upper
114 100
63 18.8 0.0 35.0
88 14.7 0.0 27.2

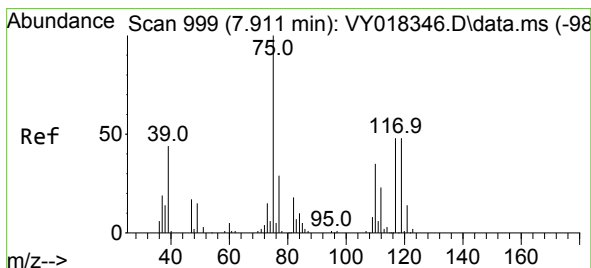
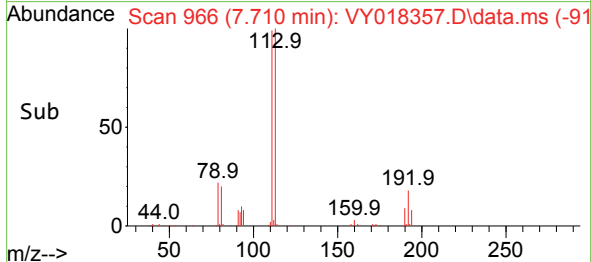
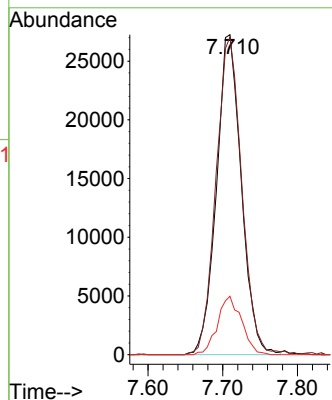
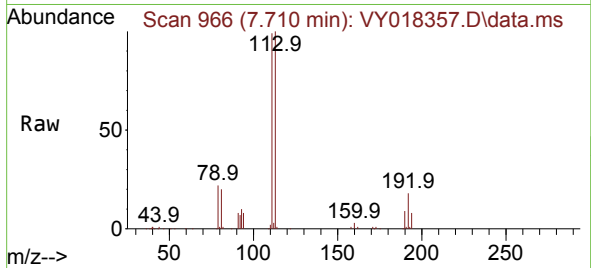




#35
Dibromofluoromethane
Concen: 51.217 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

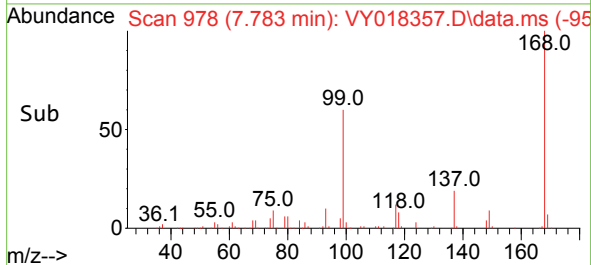
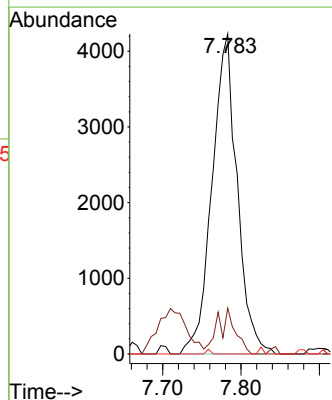
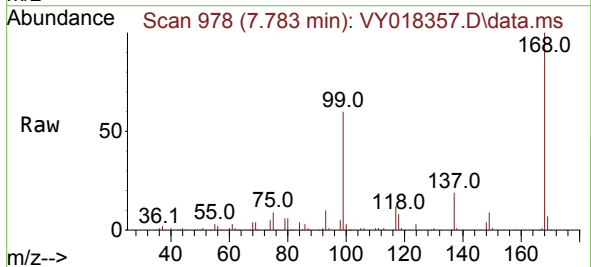
Instrument :
MSVOA_Y
ClientSampleId :

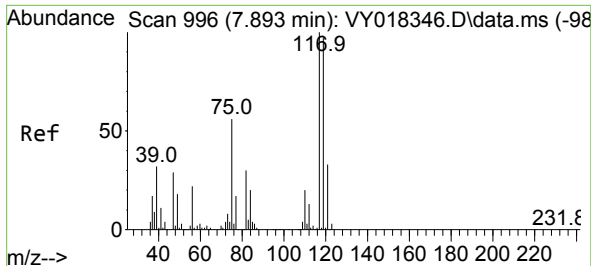
Tgt Ion:113 Resp: 63071
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 17.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 5.268 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

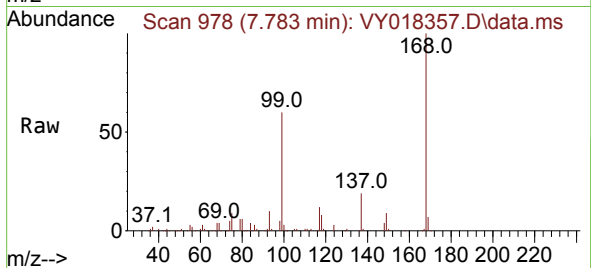
Tgt Ion: 75 Resp: 9408
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



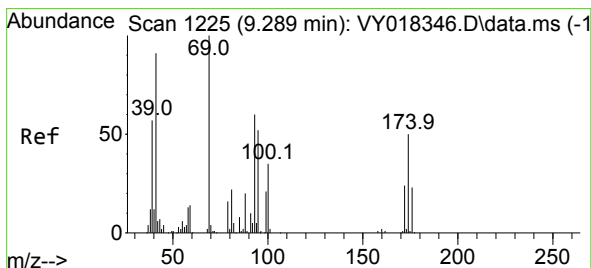
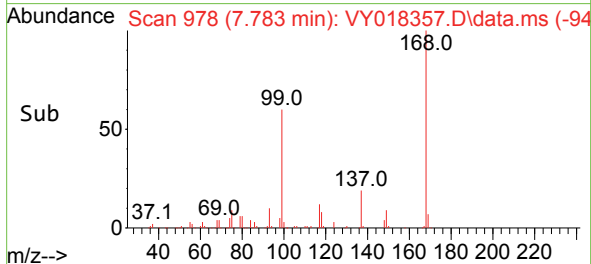
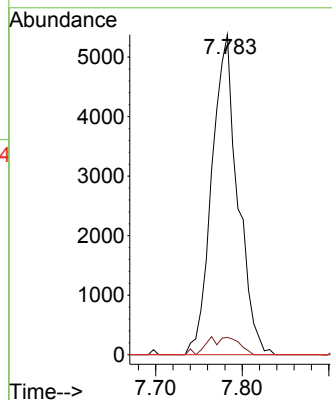


#38
Carbon Tetrachloride
Concen: 6.121 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Instrument :
MSVOA_Y
ClientSampleId :

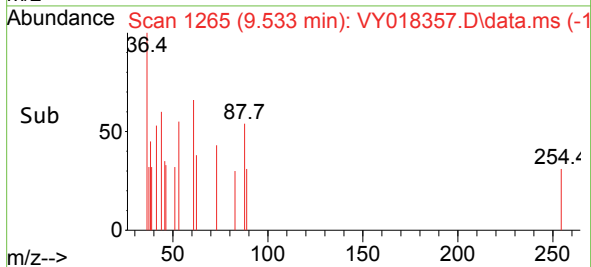
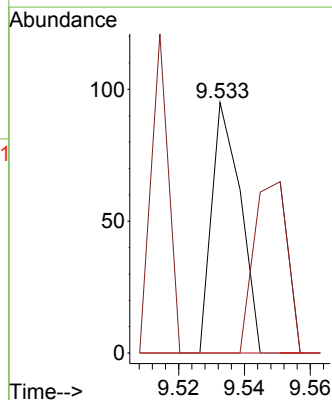
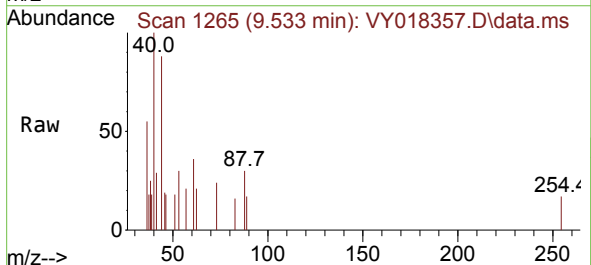


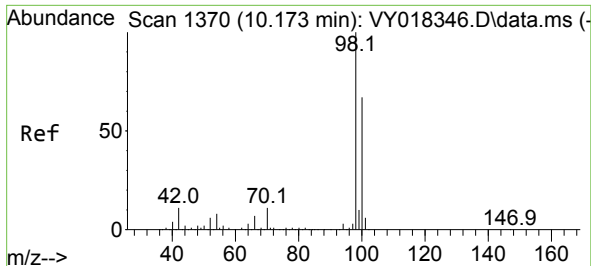
Tgt Ion: 117 Resp: 11196
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.6#
121 0.0 24.0 36.0#



#49
1,4-Dioxane
Concen: 6.114 ug/l
RT: 9.533 min Scan# 1265
Delta R.T. 0.244 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 80.7 0.0 0.0#
58 0.0 49.3 73.9#

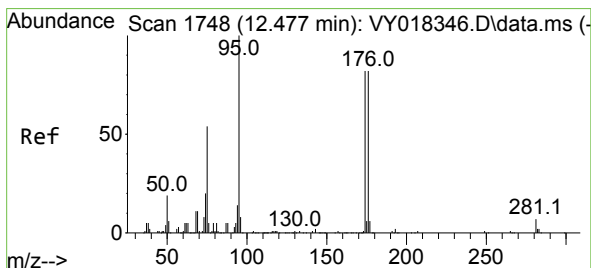
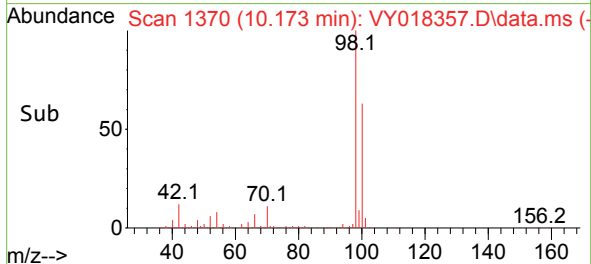
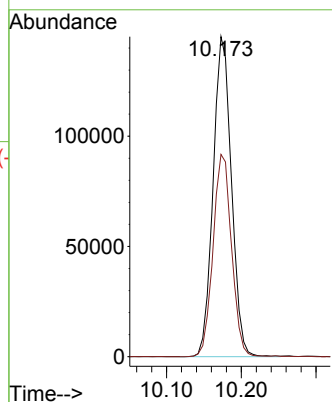
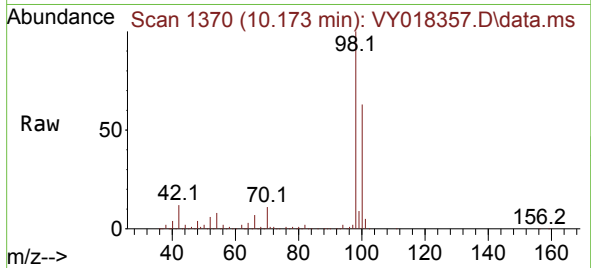




#50
Toluene-d8
Concen: 51.589 ug/l
RT: 10.173 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

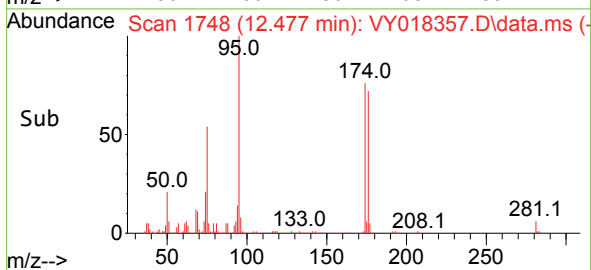
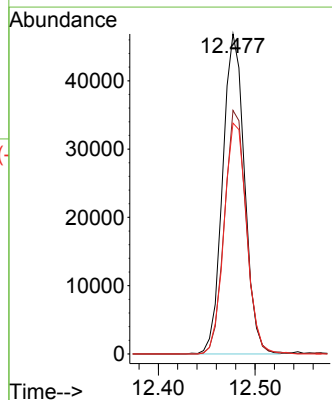
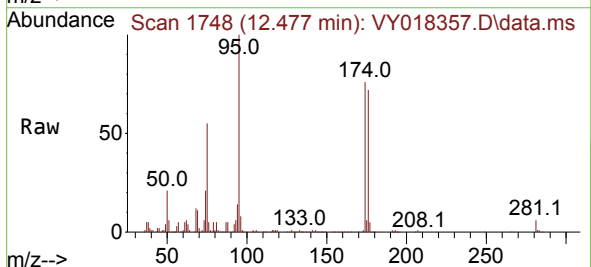
Instrument :
MSVOA_Y
ClientSampleId :

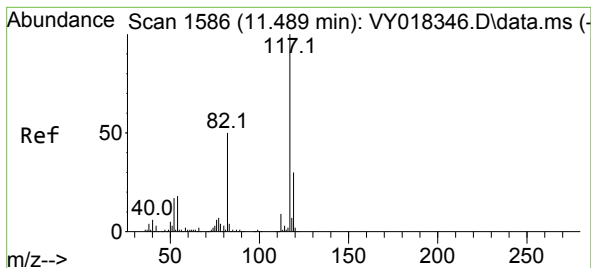
Tgt Ion: 98 Resp: 247691
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 49.731 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Tgt Ion: 95 Resp: 73778
Ion Ratio Lower Upper
95 100
174 75.4 0.0 175.6
176 74.4 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

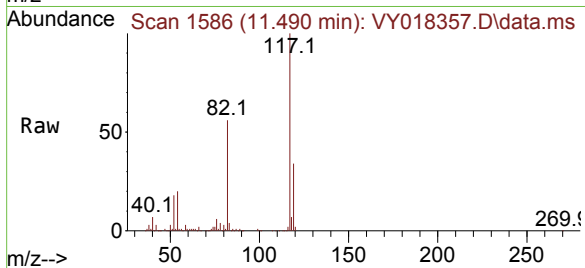
Lab File: VY018357.D

Acq: 23 May 2024 12:56

Instrument :

MSVOA_Y

ClientSampleId :



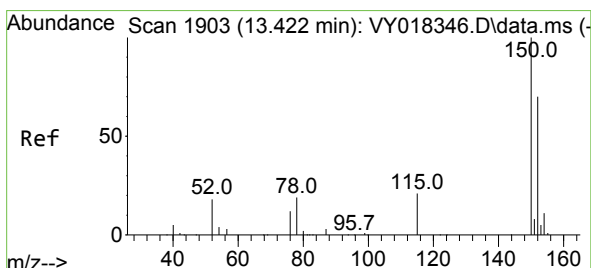
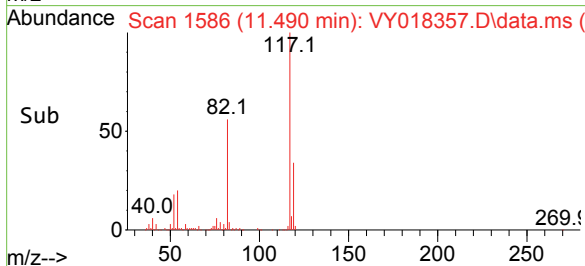
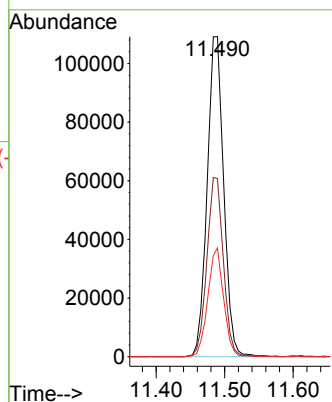
Tgt Ion:117 Resp: 183457

Ion Ratio Lower Upper

117 100

82 55.6 42.4 63.6

119 34.0 25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY018357.D

Acq: 23 May 2024 12:56

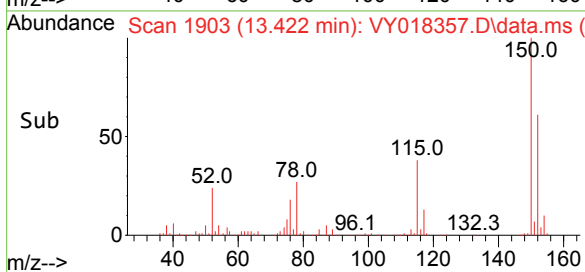
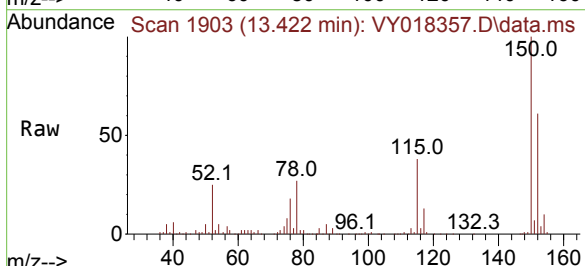
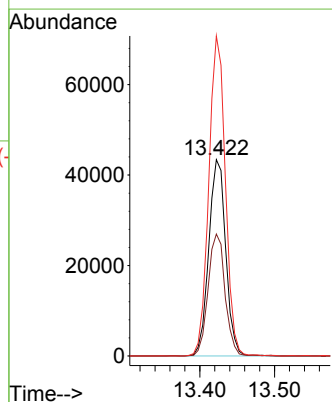
Tgt Ion:152 Resp: 68444

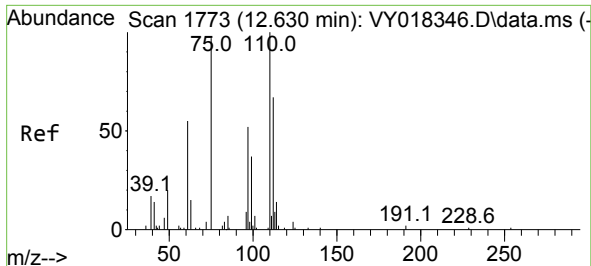
Ion Ratio Lower Upper

152 100

115 62.1 28.2 84.7

150 159.1 0.0 345.6

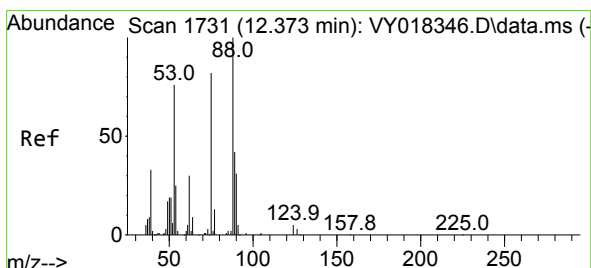
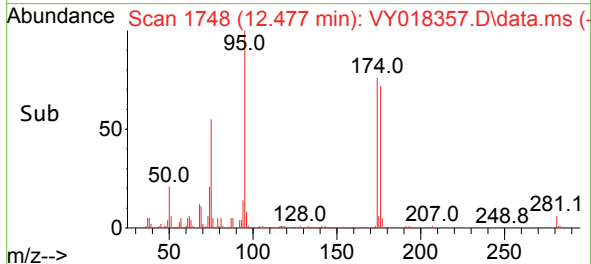
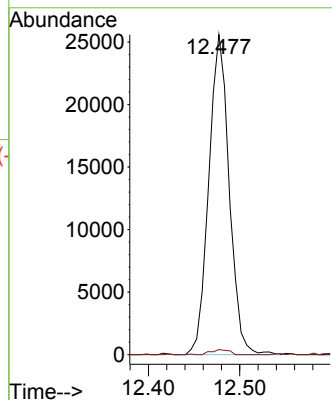
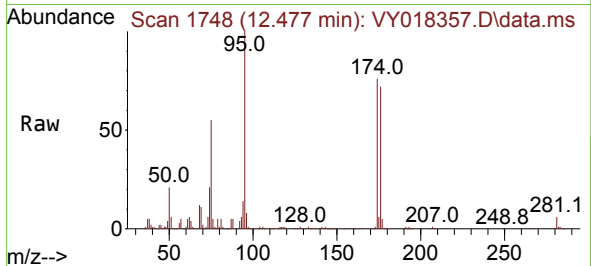




#76
1,2,3-Trichloropropane
Concen: 64.429 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

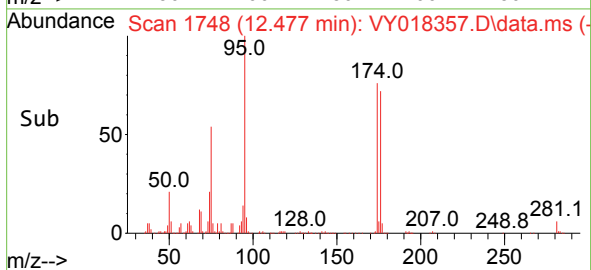
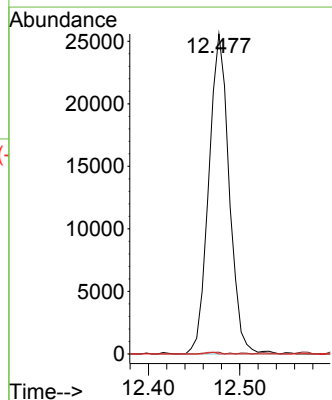
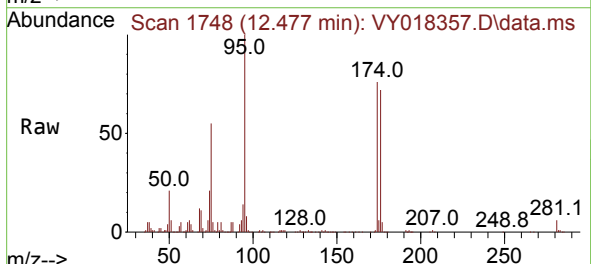
Instrument :
MSVOA_Y
ClientSampleId :

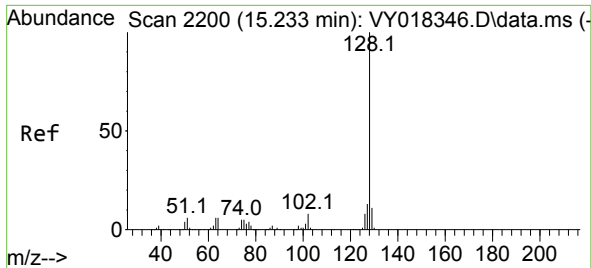
Tgt Ion: 75 Resp: 39634
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 132.562 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY018357.D
Acq: 23 May 2024 12:56

Tgt Ion: 75 Resp: 39634
Ion Ratio Lower Upper
75 100
53 0.4 66.8 100.2#
89 0.2 35.8 53.6#





#95

Naphthalene

Concen: 1.129 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

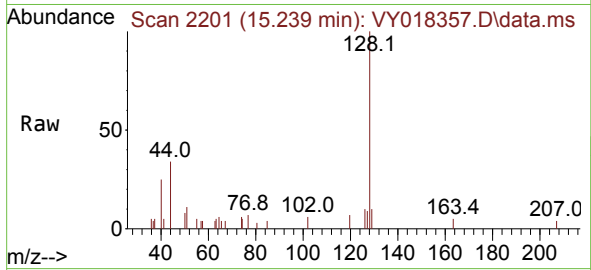
Lab File: VY018357.D

Acq: 23 May 2024 12:56

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 2545

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

129 13.9 8.6 13.0#

