

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021723\
 Data File : VY012655.D
 Acq On : 17 Feb 2023 16:53
 Operator : KP/MD
 Sample : 01586-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Feb 17 22:47:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 18:08:19 2023
 Response via : Initial Calibration

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

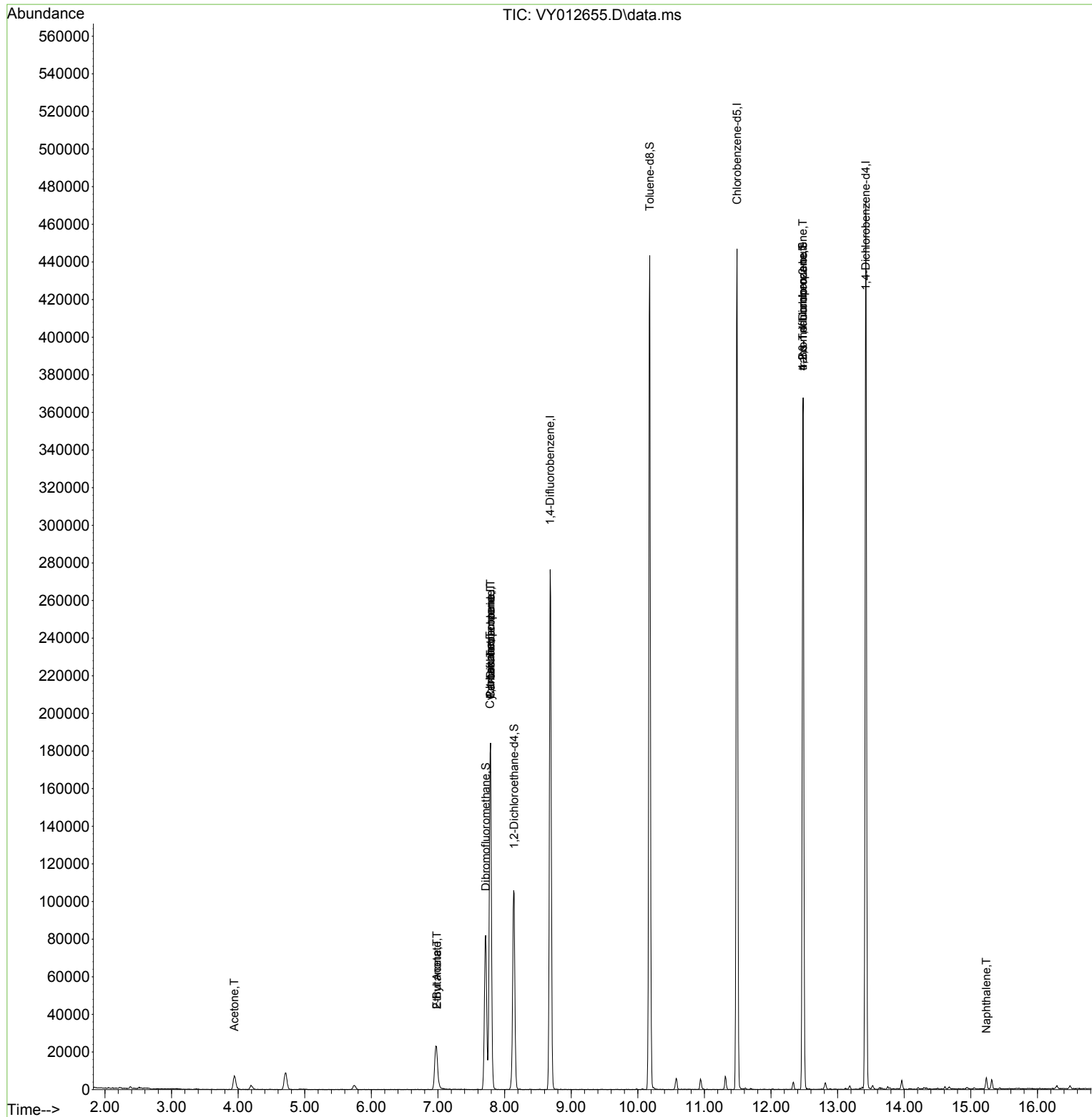
Internal Standards						
1) Pentafluorobenzene	7.789	168	149321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	248815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	255182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	127877	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	88891	46.814	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.620%
35) Dibromofluoromethane	7.716	113	56414	31.133	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	62.260%
50) Toluene-d8	10.179	98	295231	39.144	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.280%
62) 4-Bromofluorobenzene	12.477	95	104883	39.868	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	79.740%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	617	Below Cal	#	75
16) Acetone	3.942	43	12977	28.395	ug/l	99
25) 2-Butanone	6.984	43	2227	4.392	ug/l	92
31) Cyclohexane	7.783	56	2471	1.126	ug/l	# 12
36) 1,1-Dichloropropene	7.789	75	9607	3.917	ug/l	# 50
37) Ethyl Acetate	6.984	43	2227	2.012	ug/l	# 64
38) Carbon Tetrachloride	7.789	117	14546	4.419	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	56097	39.265	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	56097	88.544	ug/l	# 12
95) Naphthalene	15.233	128	5546	1.039	ug/l	99

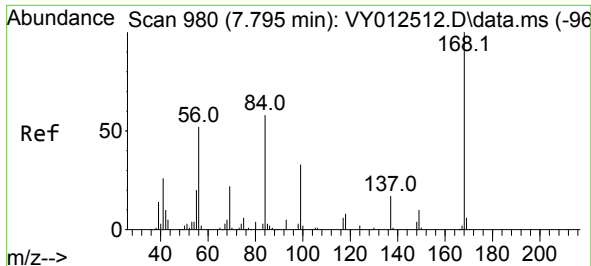
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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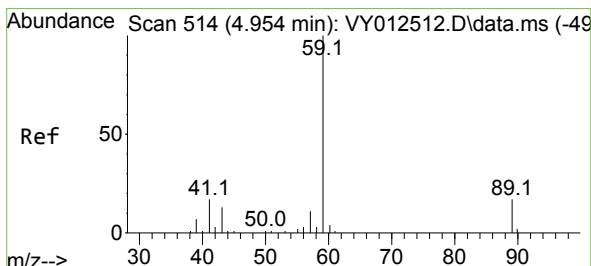
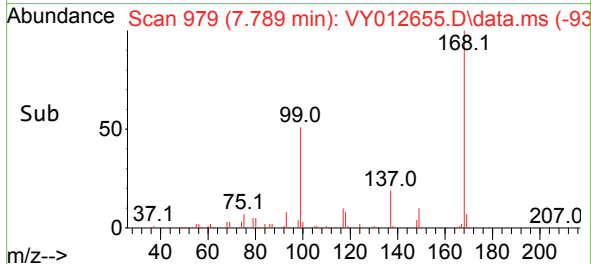
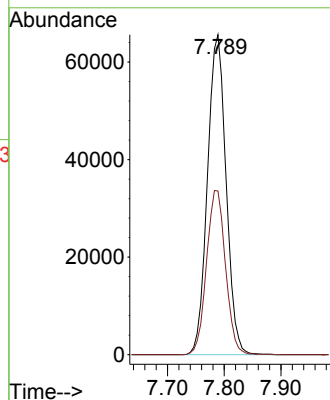
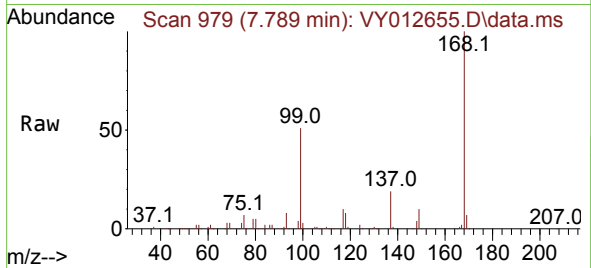




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

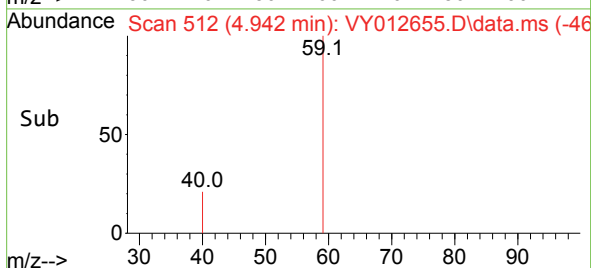
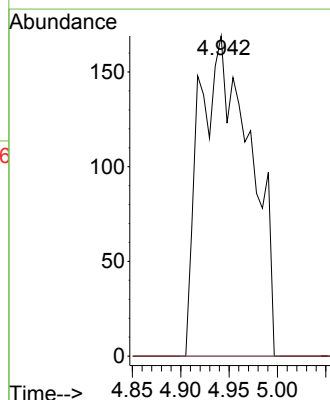
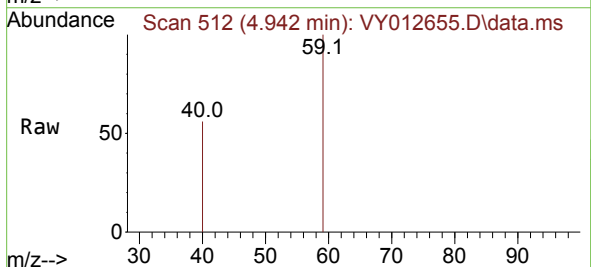
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

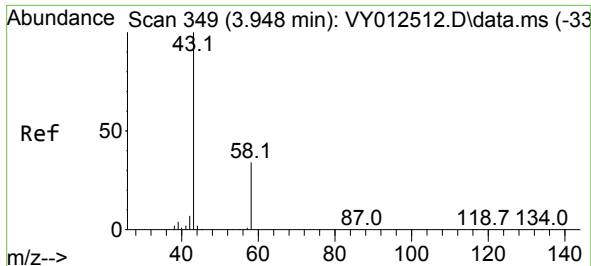
Tgt Ion:168 Resp: 149321
Ion Ratio Lower Upper
168 100
99 51.2 40.8 61.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Tgt Ion: 59 Resp: 617
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

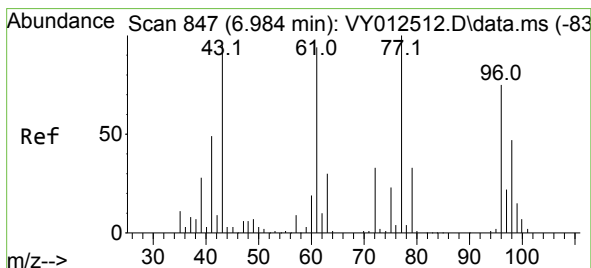
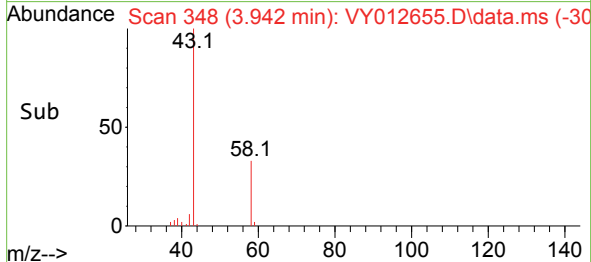
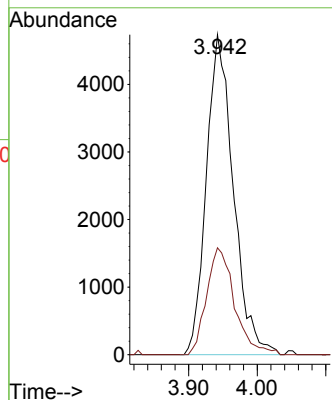
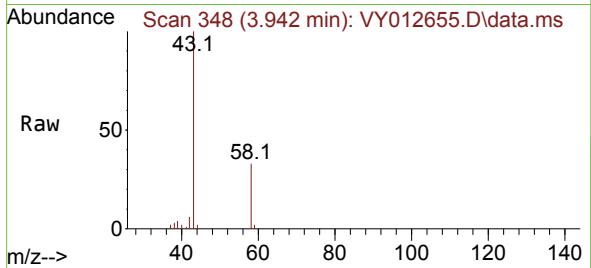




#16
Acetone
Concen: 28.395 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

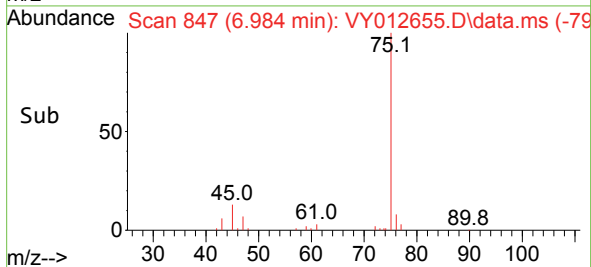
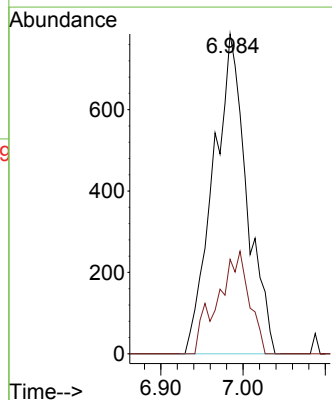
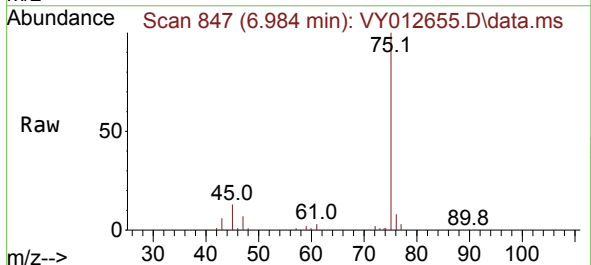
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

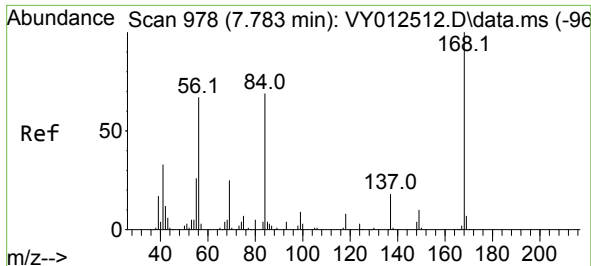
Tgt Ion: 43 Resp: 12977
Ion Ratio Lower Upper
43 100
58 33.4 27.1 40.7



#25
2-Butanone
Concen: 4.392 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
72 29.5 27.4 41.2

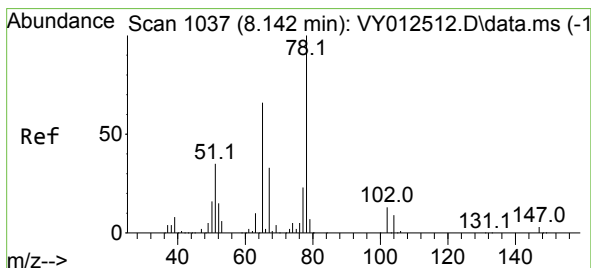
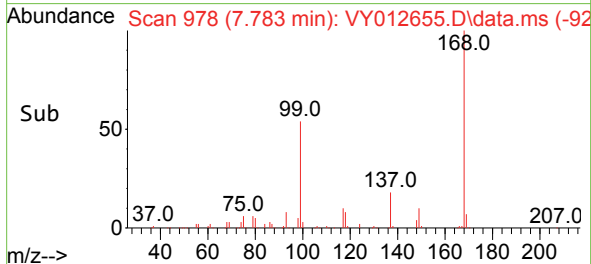
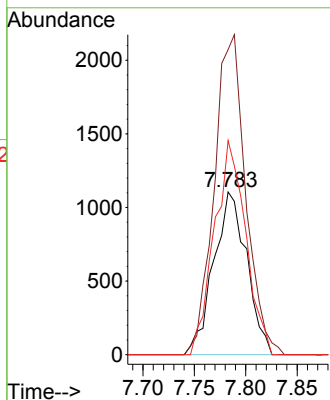
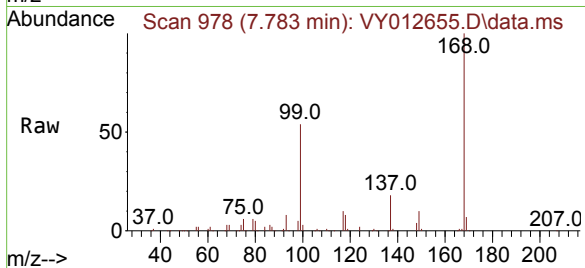




#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

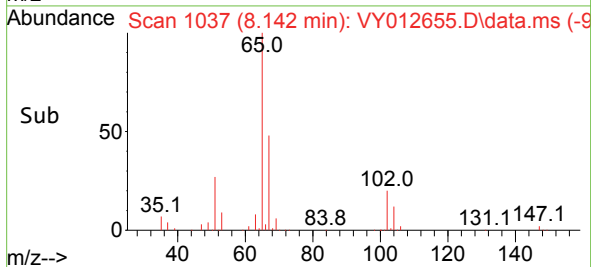
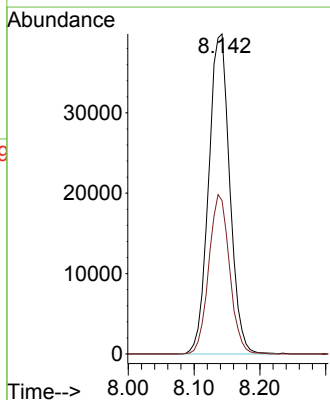
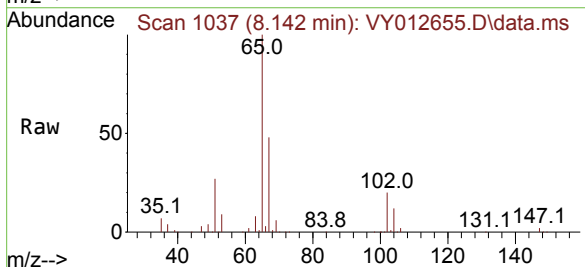
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

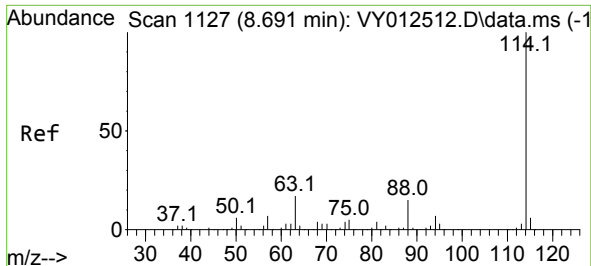
Tgt Ion: 56 Resp: 2471
Ion Ratio Lower Upper
56 100
69 187.4 29.5 44.3#
84 131.5 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 46.814 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Tgt Ion: 65 Resp: 88891
Ion Ratio Lower Upper
65 100
67 48.9 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012655.D

Acq: 17 Feb 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

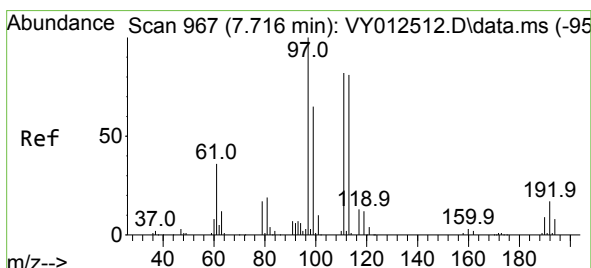
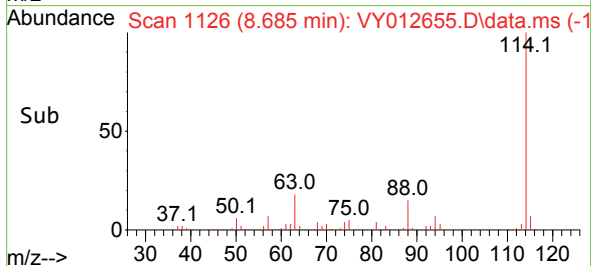
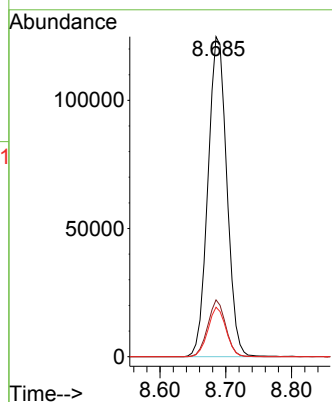
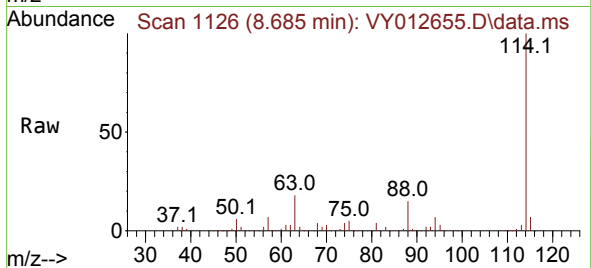
Tgt Ion:114 Resp: 248815

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.6

88 15.5 0.0 29.8



#35

Dibromofluoromethane

Concen: 31.133 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012655.D

Acq: 17 Feb 2023 16:53

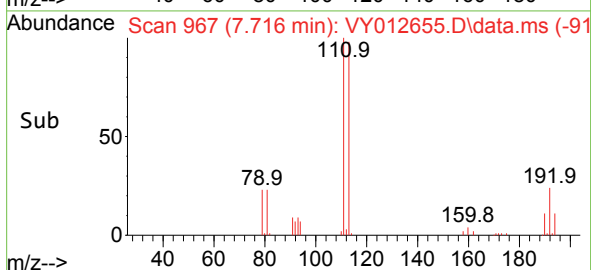
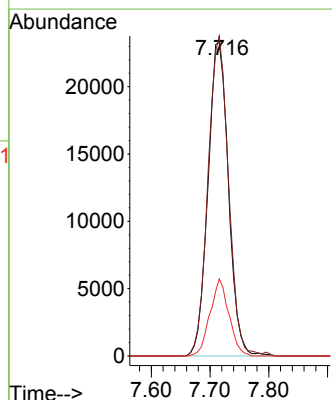
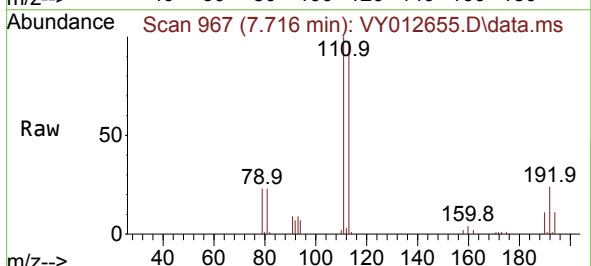
Tgt Ion:113 Resp: 56414

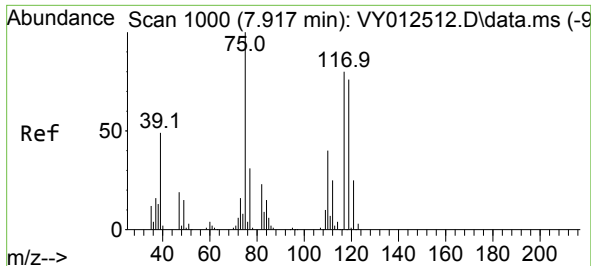
Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

192 22.7 17.5 26.3

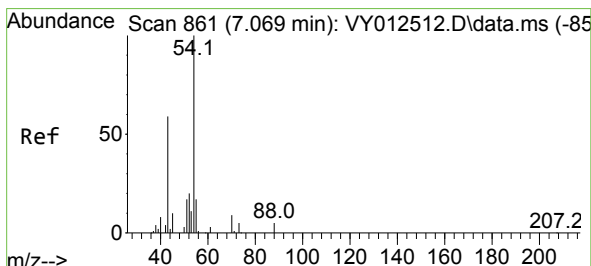
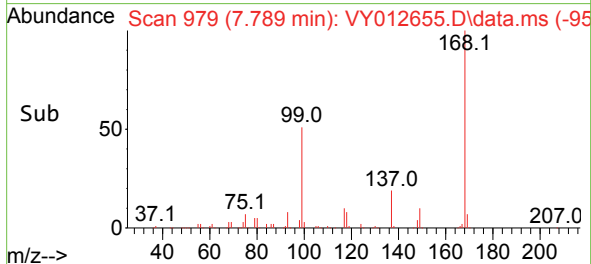
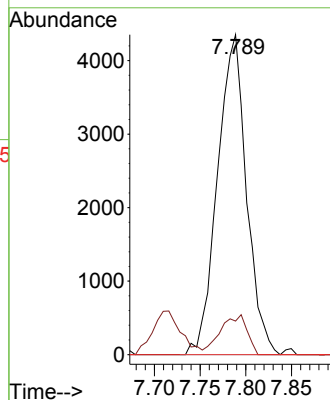
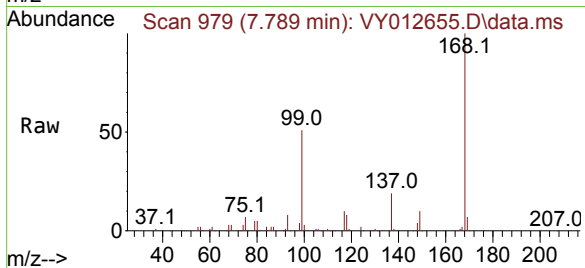




#36
1,1-Dichloropropene
Concen: 3.917 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

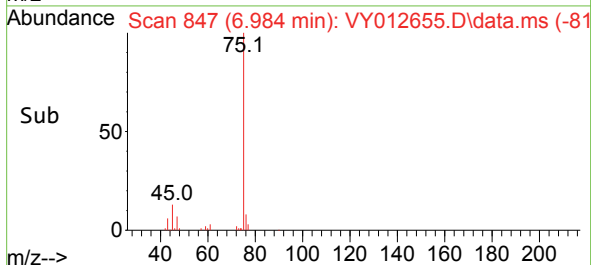
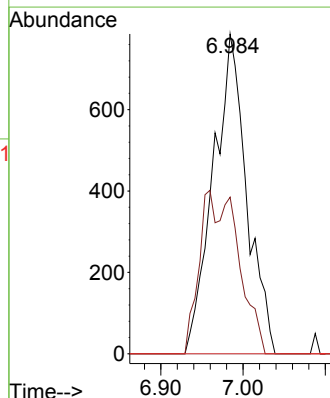
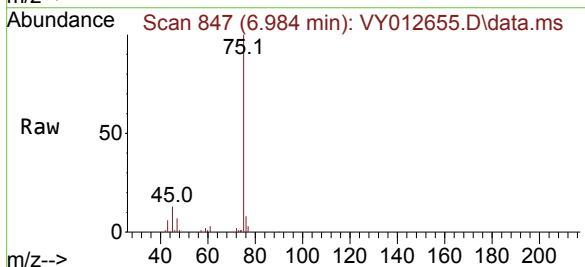
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

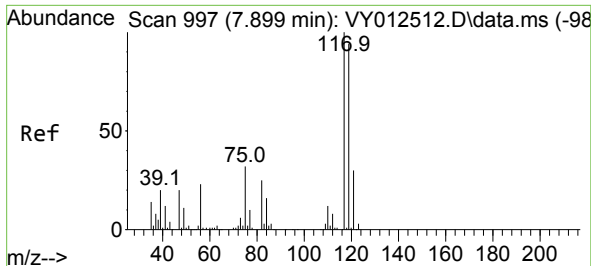
Tgt Ion: 75 Resp: 9607
Ion Ratio Lower Upper
75 100
110 11.4 19.5 58.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 2.012 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.085 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
61 0.0 12.5 18.7#
70 0.0 11.0 16.4#

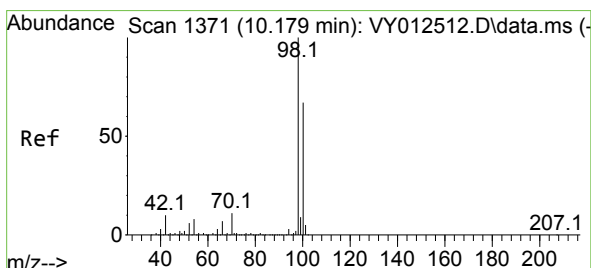
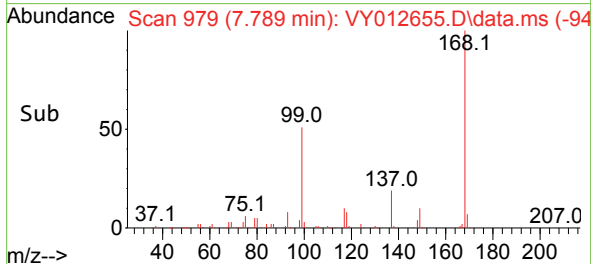
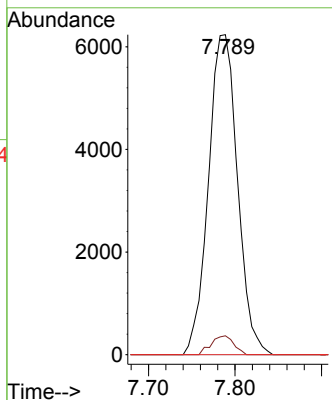
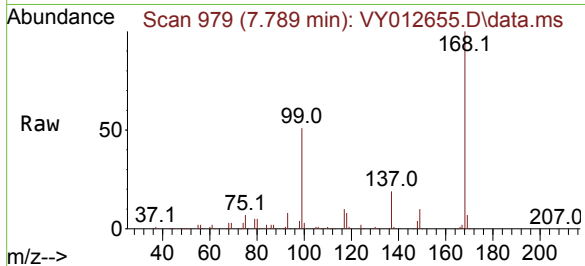




#38
Carbon Tetrachloride
Concen: 4.419 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

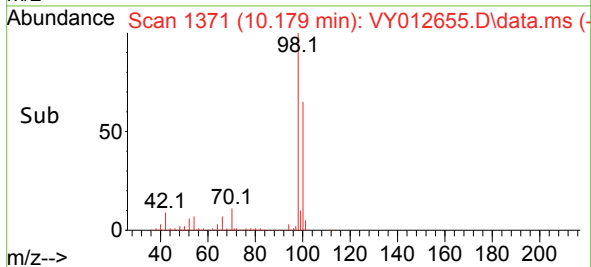
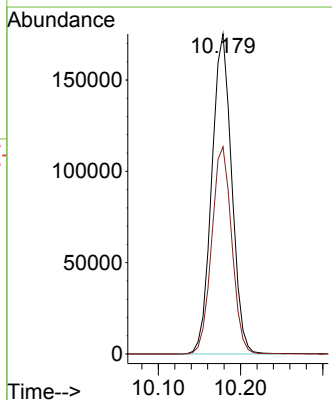
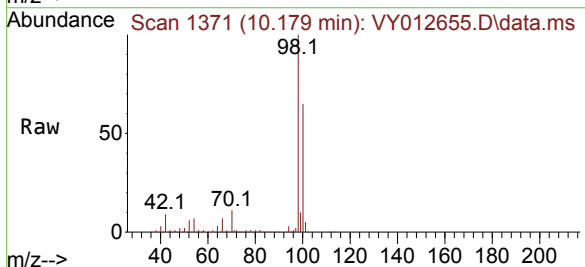
Instrument :
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ClientSampleId :
COMP-2

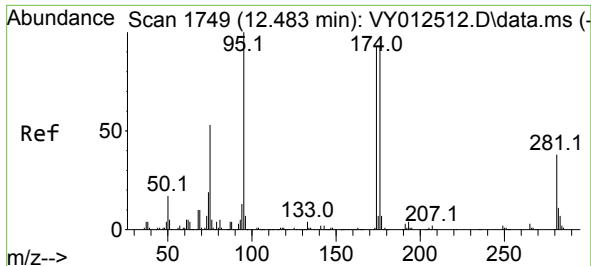
Tgt Ion:117 Resp: 14546
Ion Ratio Lower Upper
117 100
119 5.9 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 39.144 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Tgt Ion: 98 Resp: 295231
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2

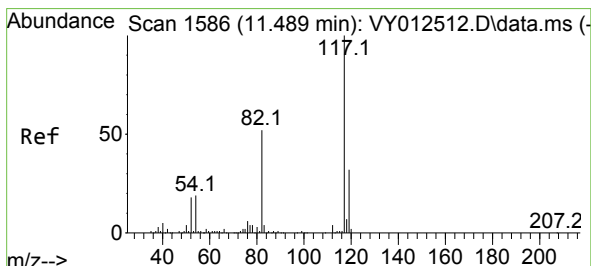
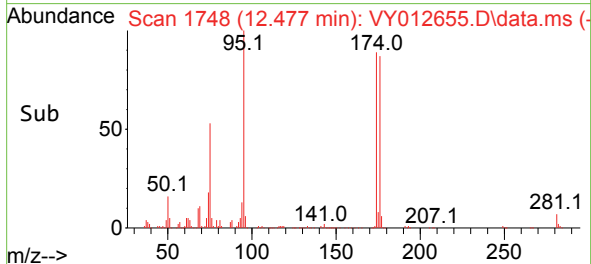
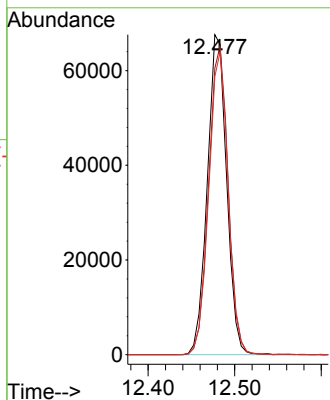
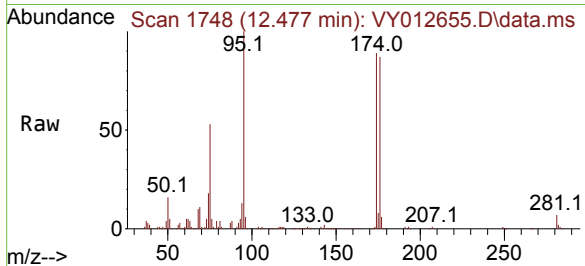




#62
4-Bromofluorobenzene
Concen: 39.868 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

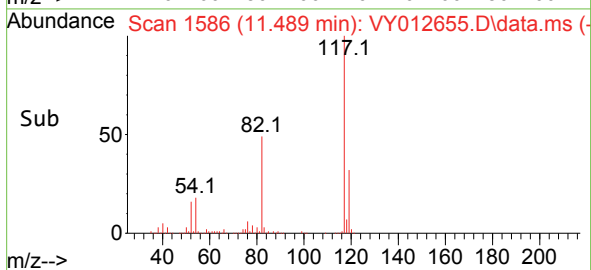
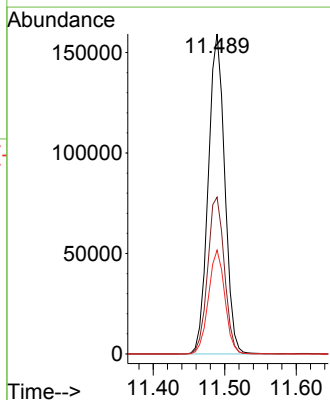
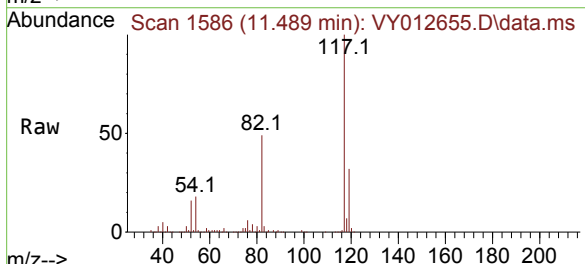
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

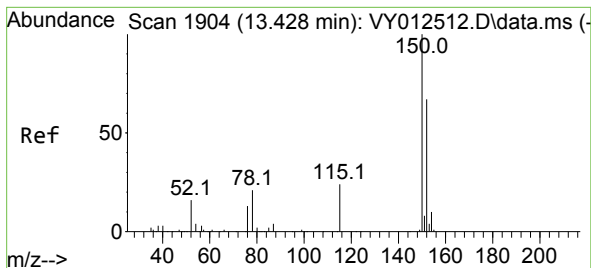
Tgt Ion: 95 Resp: 104883
Ion Ratio Lower Upper
95 100
174 97.4 0.0 188.0
176 94.7 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Tgt Ion: 117 Resp: 255182
Ion Ratio Lower Upper
117 100
82 49.0 41.7 62.5
119 32.5 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012655.D

Acq: 17 Feb 2023 16:53

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

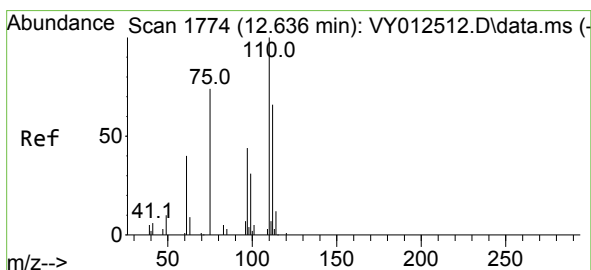
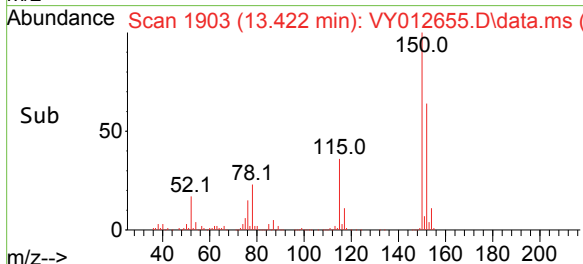
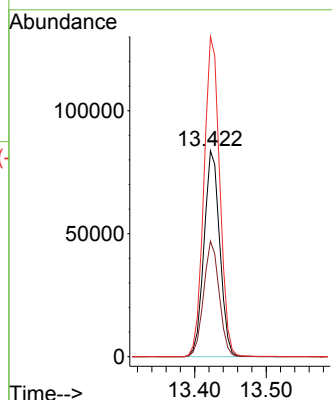
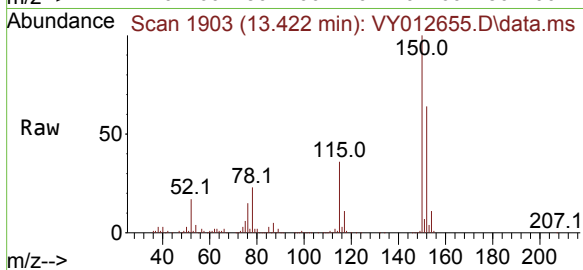
Tgt Ion:152 Resp: 127877

Ion Ratio Lower Upper

152 100

115 55.6 28.1 84.3

150 156.4 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 39.265 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012655.D

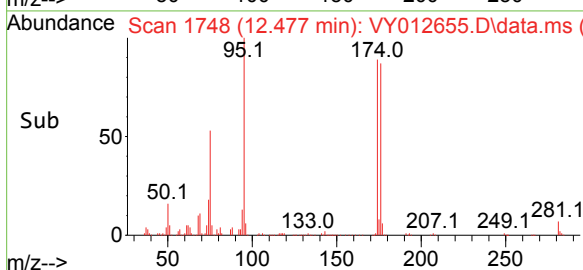
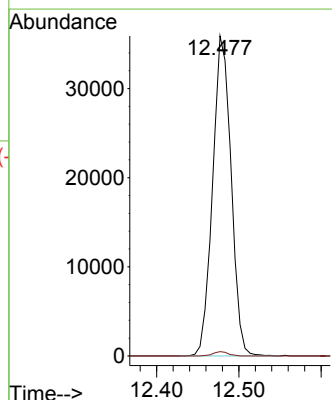
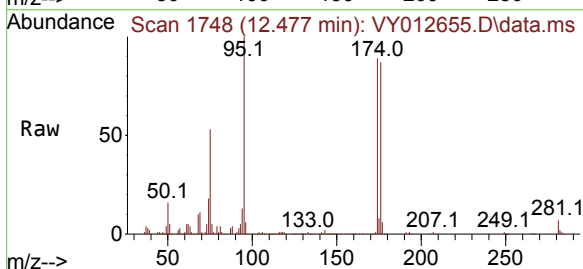
Acq: 17 Feb 2023 16:53

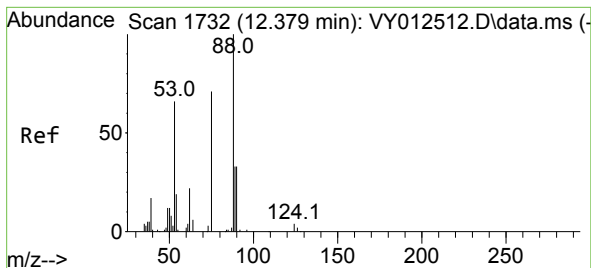
Tgt Ion: 75 Resp: 56097

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

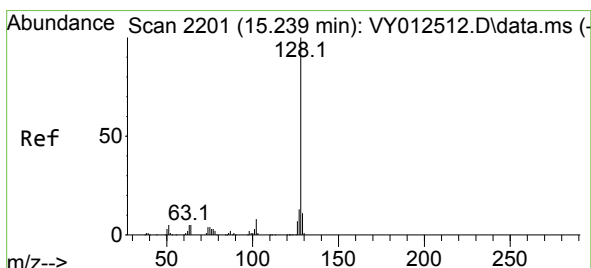
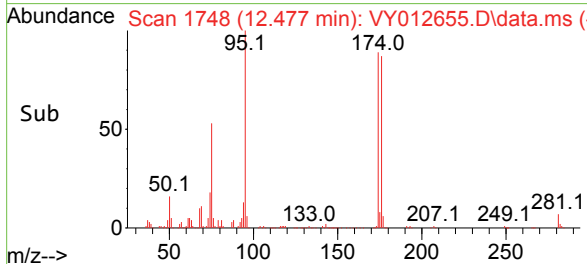
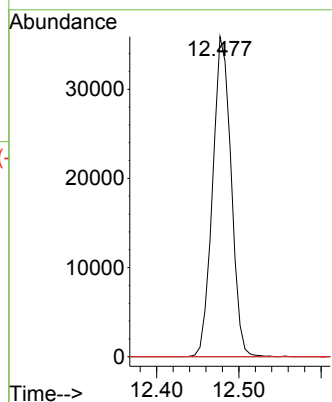
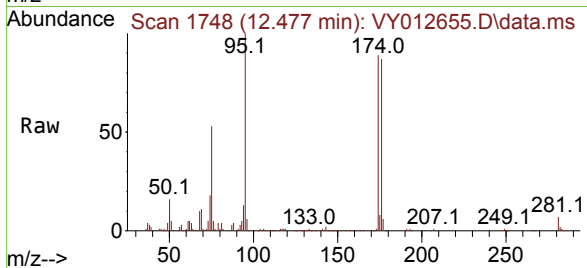




#81
trans-1,4-Dichloro-2-butene
Concen: 88.544 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

Tgt Ion: 75 Resp: 56097
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#



#95
Naphthalene
Concen: 1.039 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY012655.D
Acq: 17 Feb 2023 16:53

Tgt Ion: 128 Resp: 5546
Ion Ratio Lower Upper
128 100
127 12.3 10.4 15.6
129 10.9 8.6 12.8

