

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021523\
 Data File : VY012621.D
 Acq On : 15 Feb 2023 17:58
 Operator : KP/MD
 Sample : 01570-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 16 01:01:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

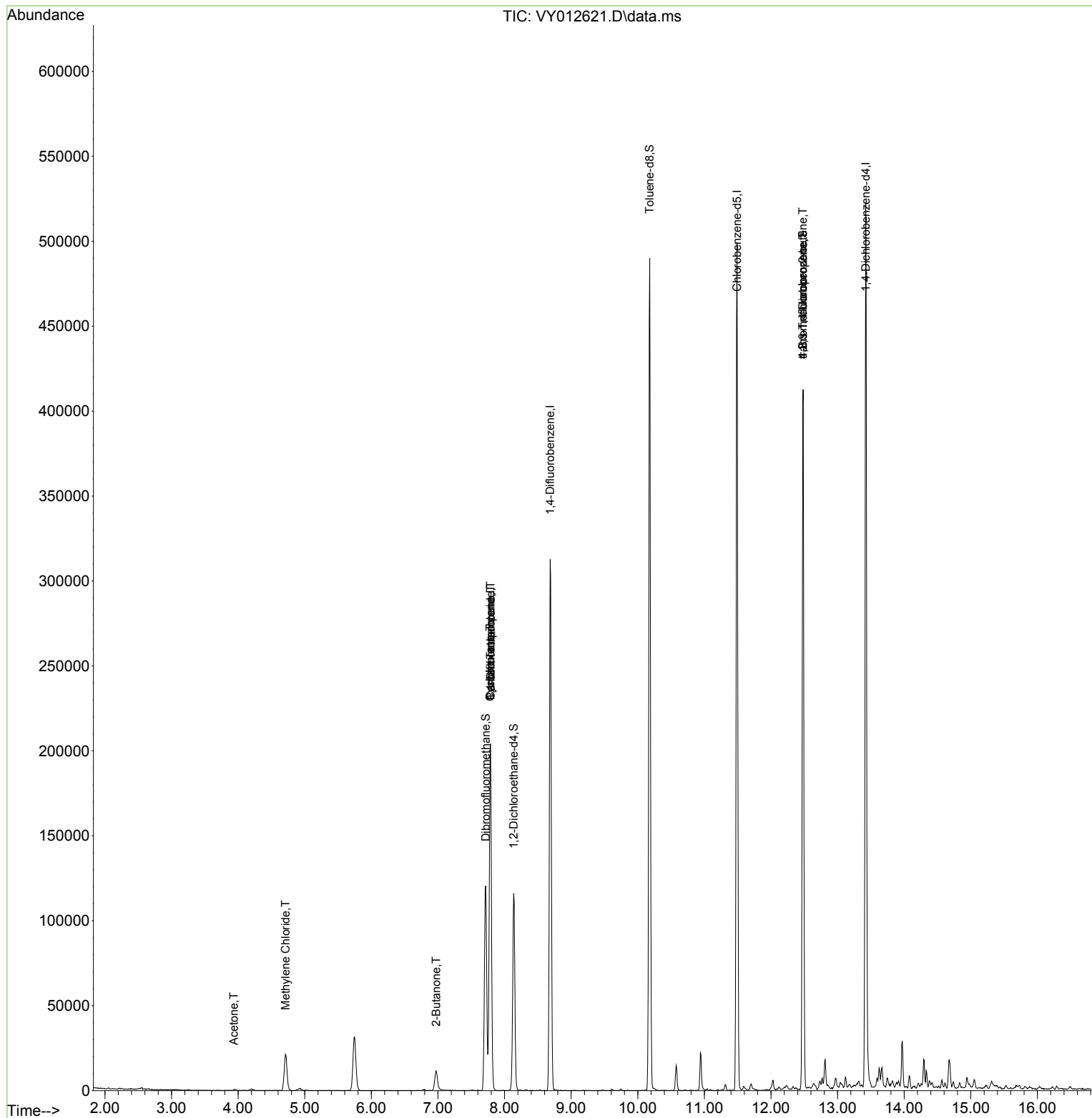
Internal Standards						
1) Pentafluorobenzene	7.789	168	168719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	284208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	285899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	96427	44.944	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.880%		
35) Dibromofluoromethane	7.716	113	84255	40.707	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.420%		
50) Toluene-d8	10.179	98	333293	38.688	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.380%		
62) 4-Bromofluorobenzene	12.477	95	121422	40.407	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.820%		
Target Compounds						Qvalue
5) Bromomethane	2.650	94	49	Below Cal		90
11) Tert butyl alcohol	4.924	59	1438	Below Cal	#	75
16) Acetone	3.936	43	1065	2.062	ug/l	99
20) Methylene Chloride	4.710	84	17253	5.162	ug/l	96
25) 2-Butanone	6.972	43	615	1.073	ug/l	# 87
31) Cyclohexane	7.783	56	2846	1.147	ug/l	# 10
36) 1,1-Dichloropropene	7.789	75	10574	3.775	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	15874	4.222	ug/l	# 17
76) 1,2,3-Trichloropropane	12.477	75	63753	39.431	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	63753	88.920	ug/l	# 12

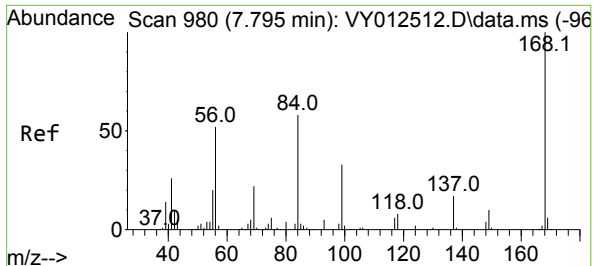
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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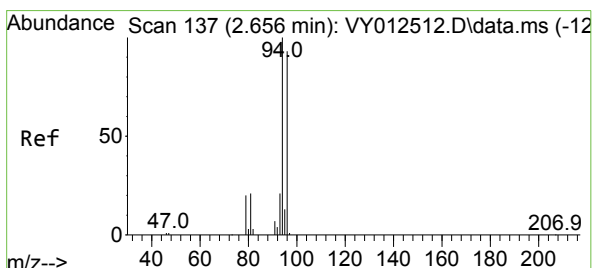
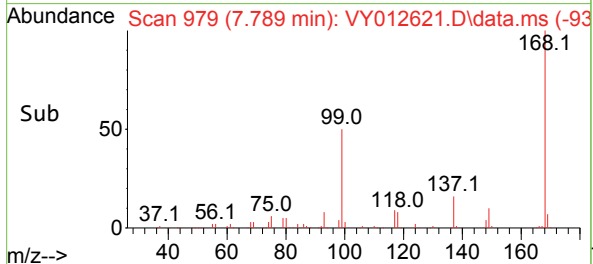
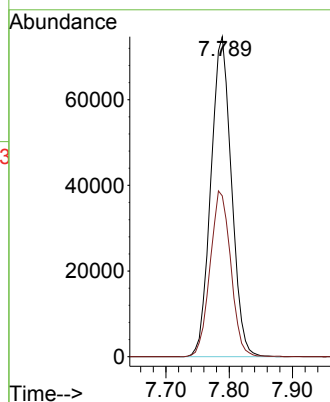
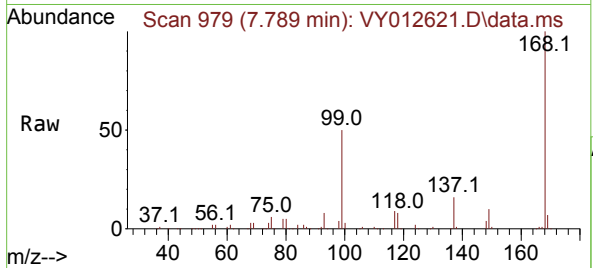




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

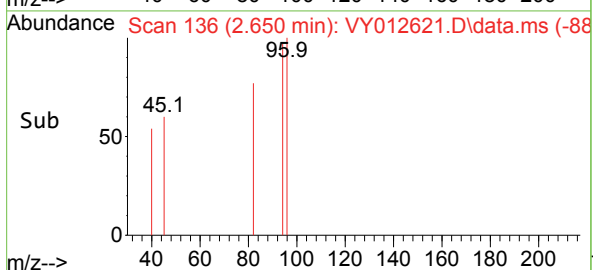
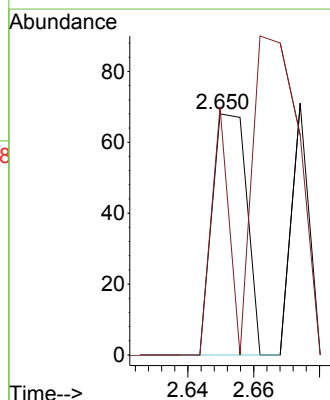
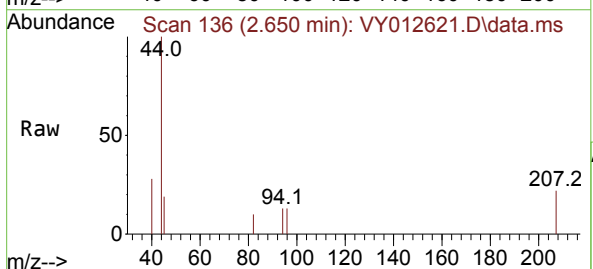
Instrument :
MSVOA_Y
ClientSampleId :

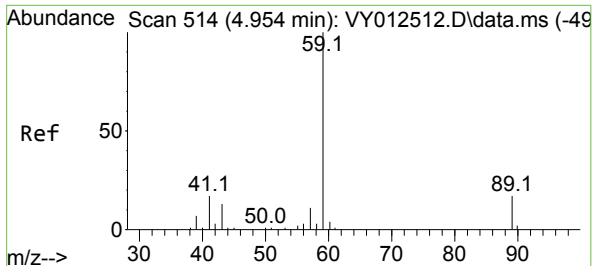
Tgt Ion:168 Resp: 168719
Ion Ratio Lower Upper
168 100
99 50.3 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 136
Delta R.T. -0.006 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 102.9 74.7 112.1

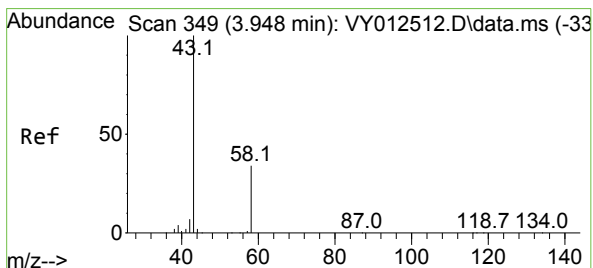
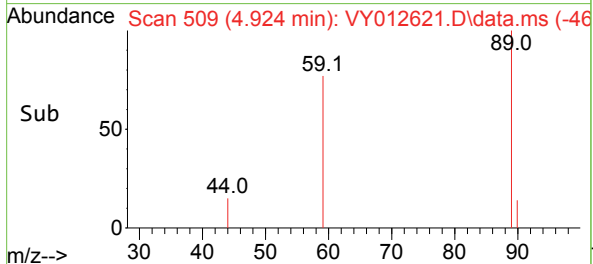
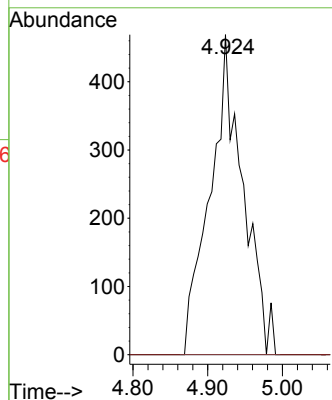
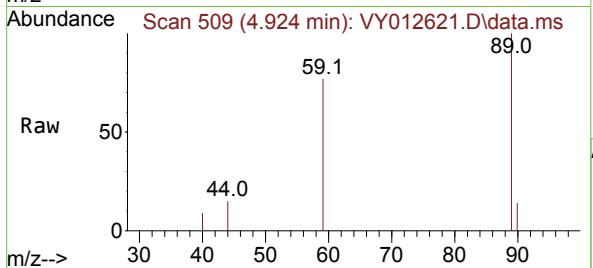




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

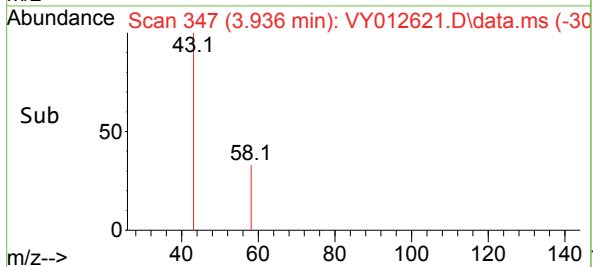
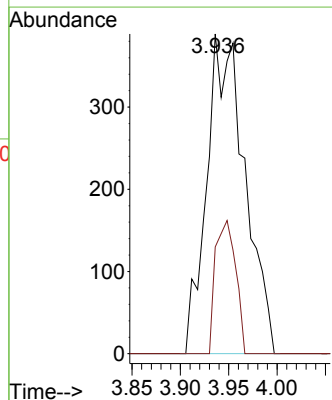
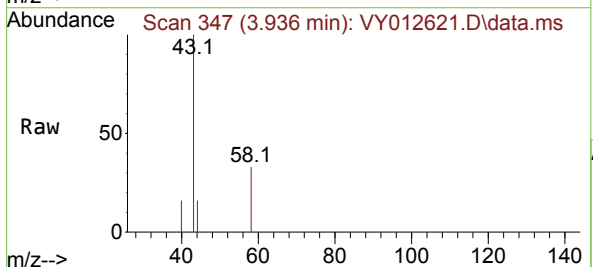
Instrument :
MSVOA_Y
ClientSampleId :

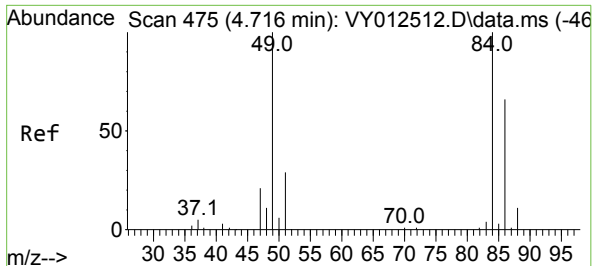
Tgt Ion: 59 Resp: 1438
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 2.062 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

Tgt Ion: 43 Resp: 1065
Ion Ratio Lower Upper
43 100
58 33.4 27.1 40.7





#20

Methylene Chloride

Concen: 5.162 ug/l

RT: 4.710 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY012621.D

Acq: 15 Feb 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 17253

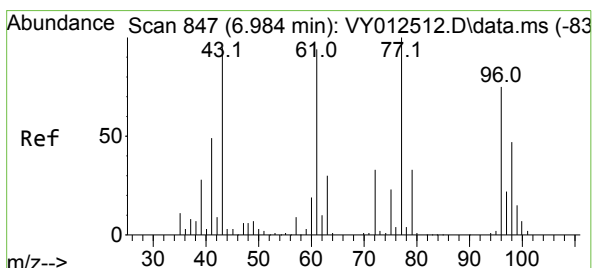
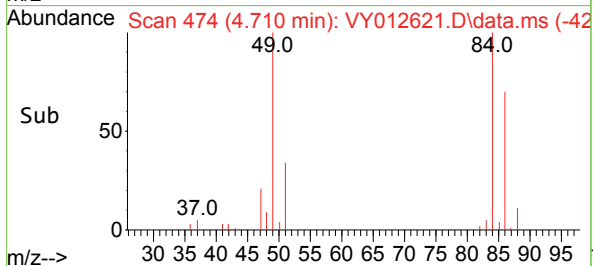
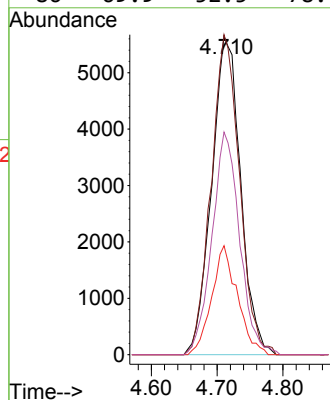
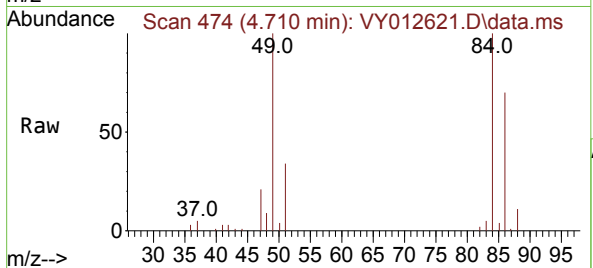
Ion Ratio Lower Upper

84 100

49 100.5 79.8 119.6

51 34.2 23.4 35.2

86 69.9 52.5 78.7



#25

2-Butanone

Concen: 1.073 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY012621.D

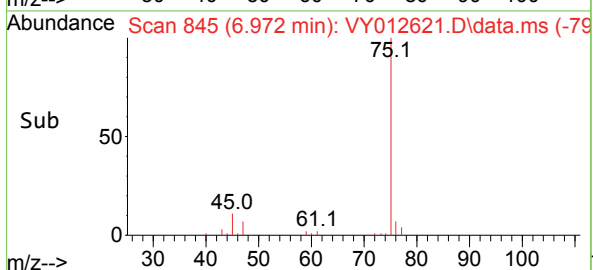
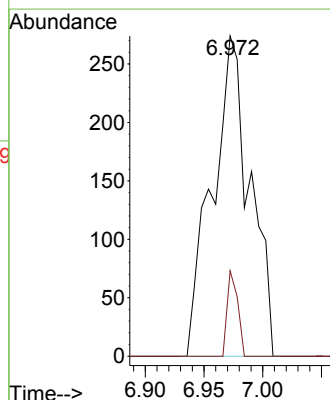
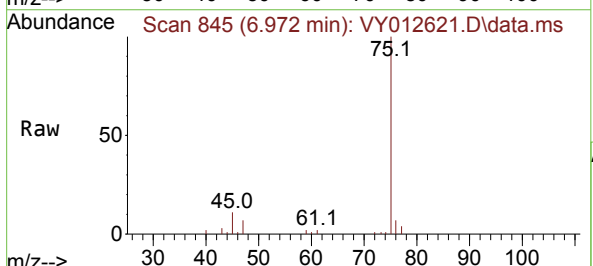
Acq: 15 Feb 2023 17:58

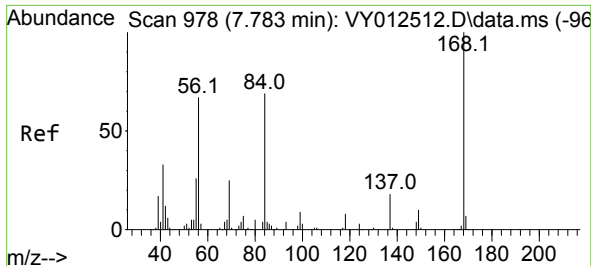
Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

72 26.6 27.4 41.2#

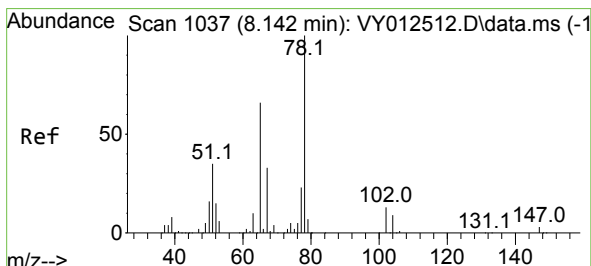
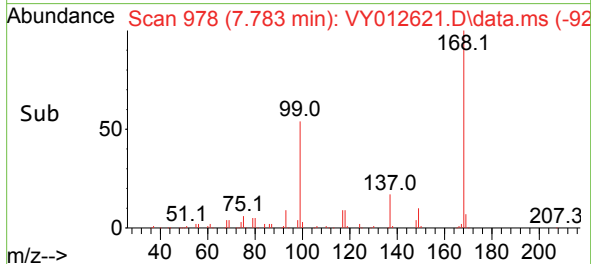
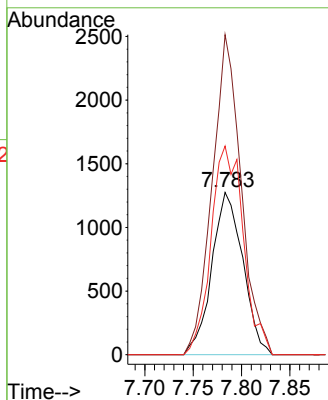
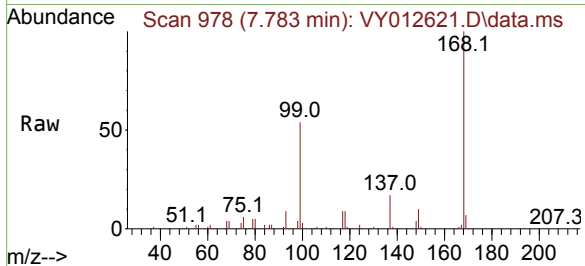




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

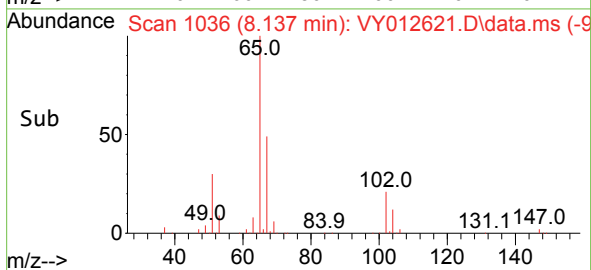
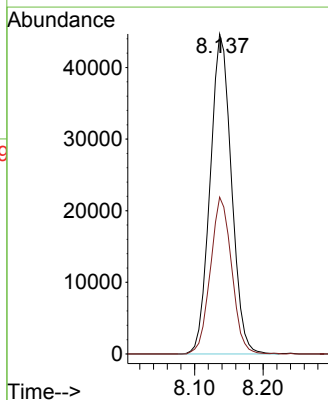
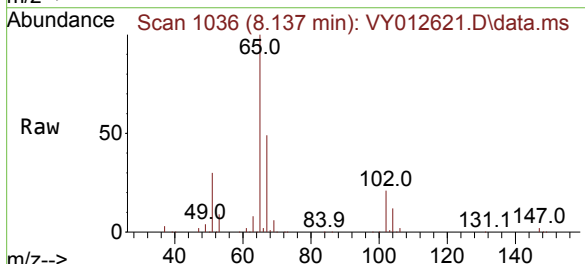
Instrument :
MSVOA_Y
ClientSampleId :

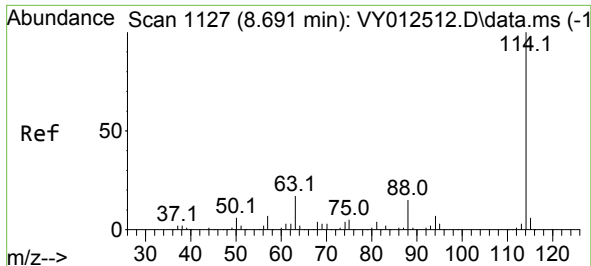
Tgt Ion: 56 Resp: 2846
Ion Ratio Lower Upper
56 100
69 197.2 29.5 44.3#
84 128.5 81.9 122.9#



#33
1,2-Dichloroethane-d4
Concen: 44.944 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

Tgt Ion: 65 Resp: 96427
Ion Ratio Lower Upper
65 100
67 48.8 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: VY012621.D

Acq: 15 Feb 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

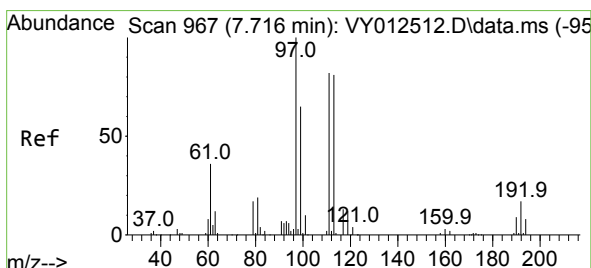
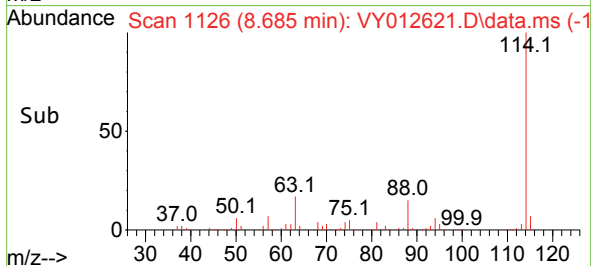
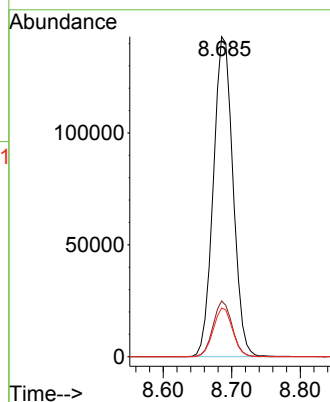
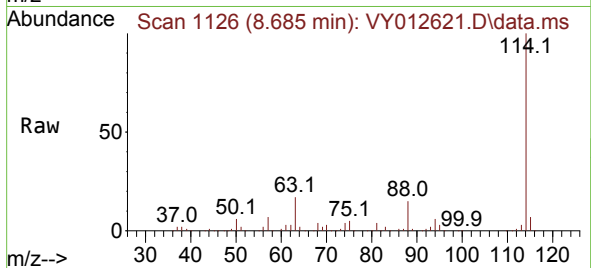
Tgt Ion:114 Resp: 284208

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.6

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.707 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012621.D

Acq: 15 Feb 2023 17:58

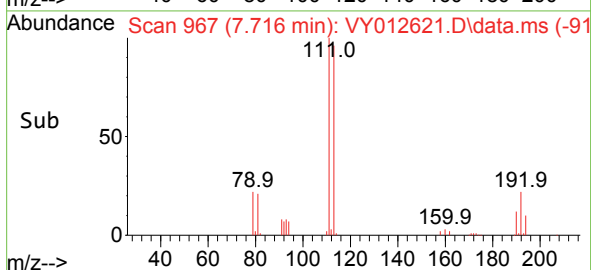
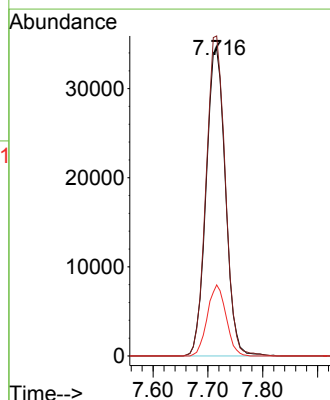
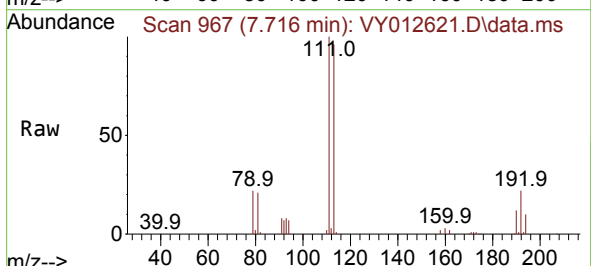
Tgt Ion:113 Resp: 84255

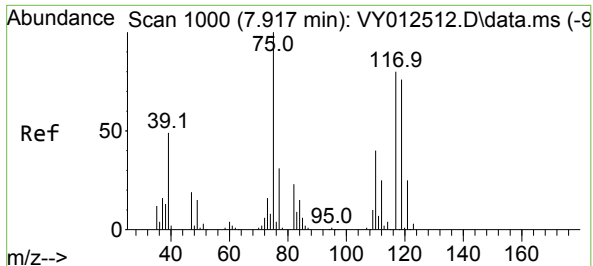
Ion Ratio Lower Upper

113 100

111 103.0 81.9 122.9

192 22.4 17.5 26.3





#36

1,1-Dichloropropene

Concen: 3.775 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012621.D

Acq: 15 Feb 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

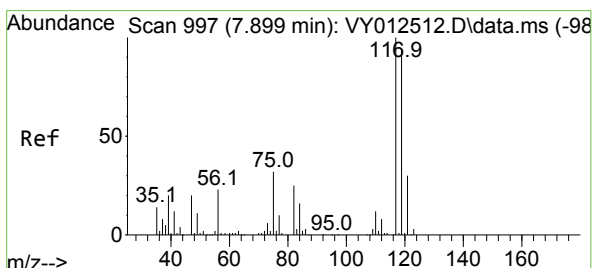
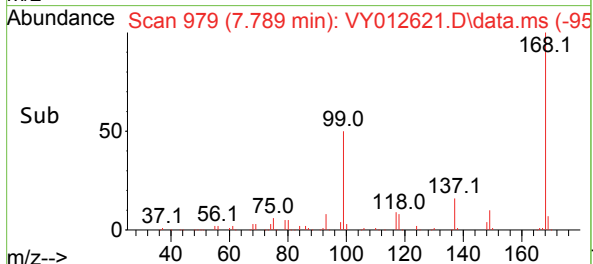
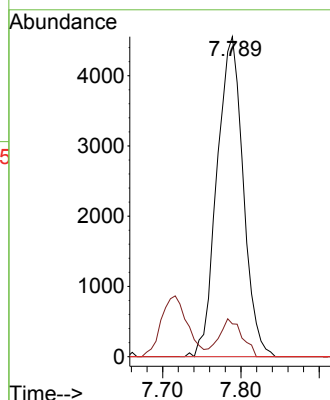
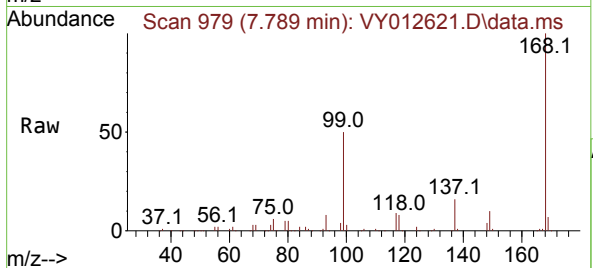
Tgt Ion: 75 Resp: 10574

Ion Ratio Lower Upper

75 100

110 10.5 19.5 58.5#

77 0.0 24.9 37.3#



#38

Carbon Tetrachloride

Concen: 4.222 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY012621.D

Acq: 15 Feb 2023 17:58

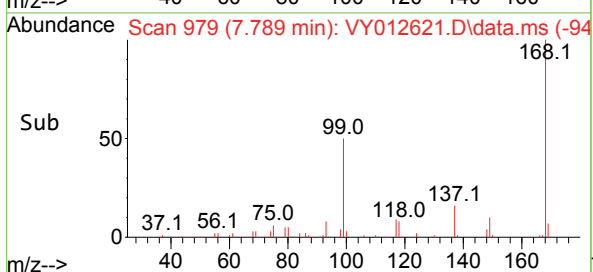
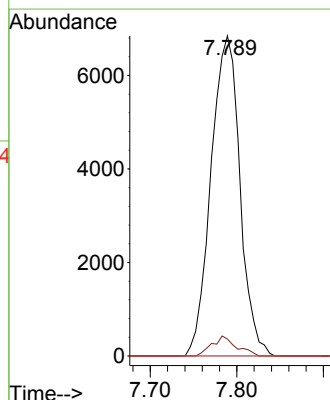
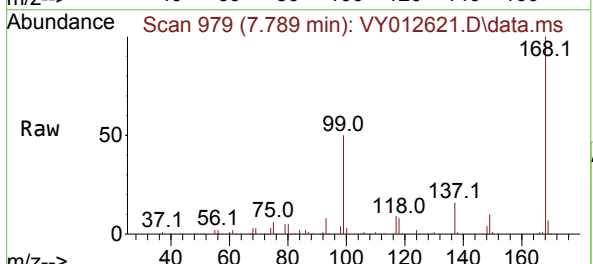
Tgt Ion: 117 Resp: 15874

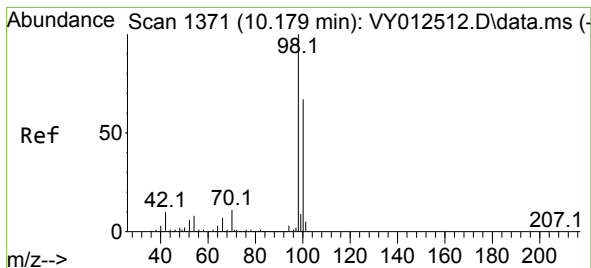
Ion Ratio Lower Upper

117 100

119 5.3 75.1 112.7#

121 0.0 24.3 36.5#

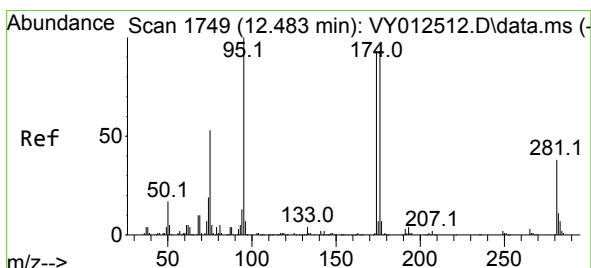
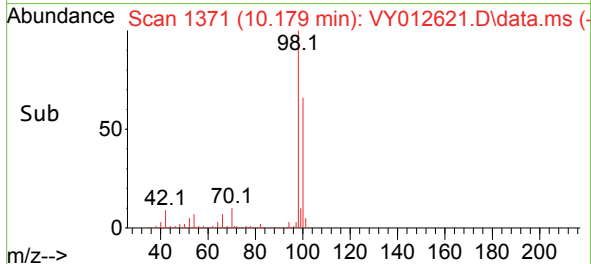
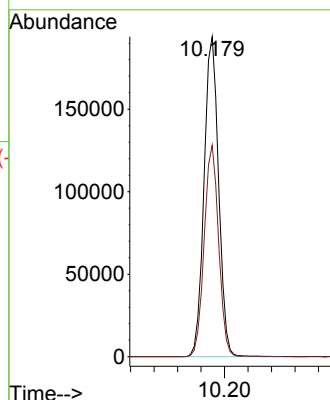
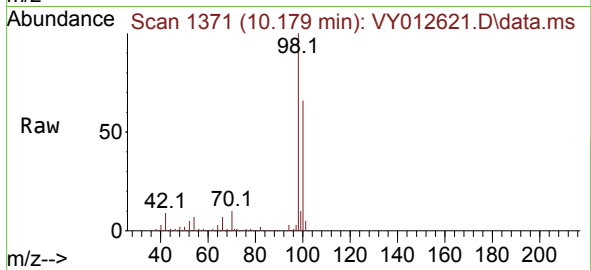




#50
Toluene-d8
Concen: 38.688 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

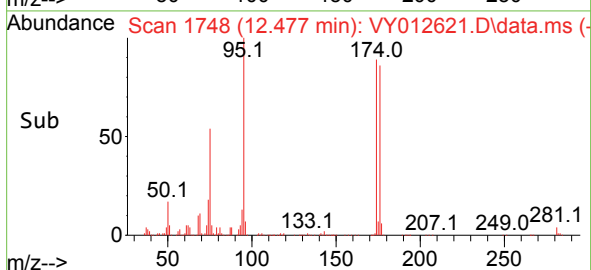
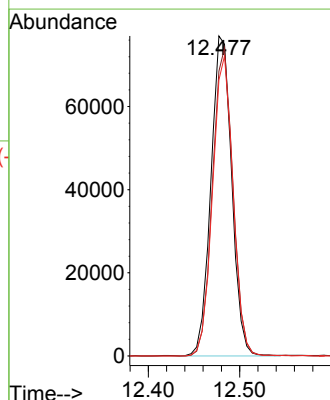
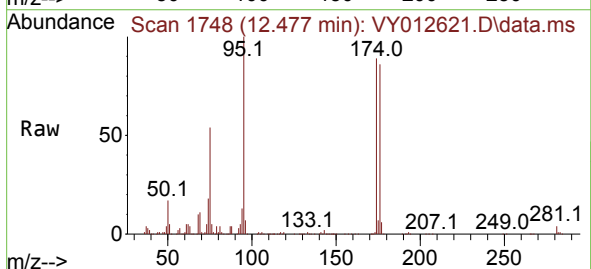
Instrument :
MSVOA_Y
ClientSampleId :

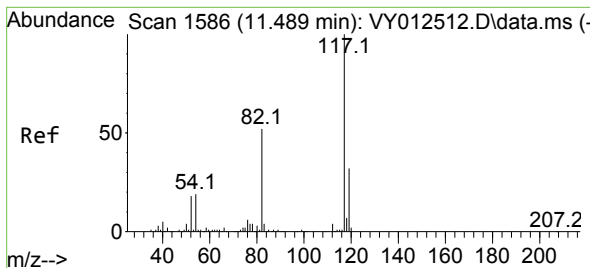
Tgt Ion: 98 Resp: 333293
Ion Ratio Lower Upper
98 100
100 65.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.407 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

Tgt Ion: 95 Resp: 121422
Ion Ratio Lower Upper
95 100
174 94.9 0.0 188.0
176 92.3 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012621.D

Acq: 15 Feb 2023 17:58

Instrument :

MSVOA_Y

ClientSampleId :

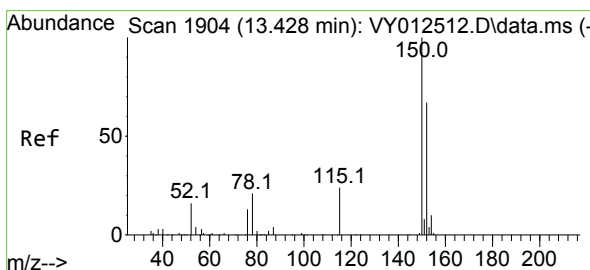
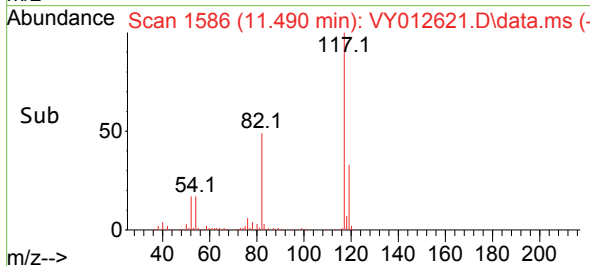
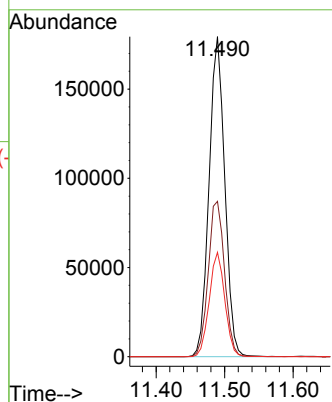
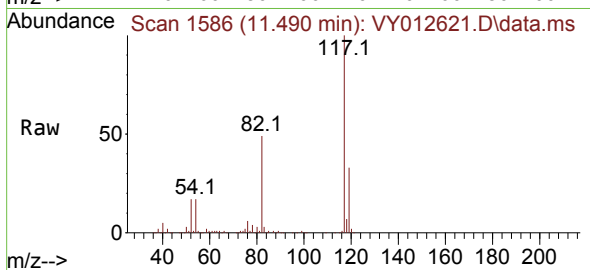
Tgt Ion:117 Resp: 285899

Ion Ratio Lower Upper

117 100

82 48.5 41.7 62.5

119 32.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012621.D

Acq: 15 Feb 2023 17:58

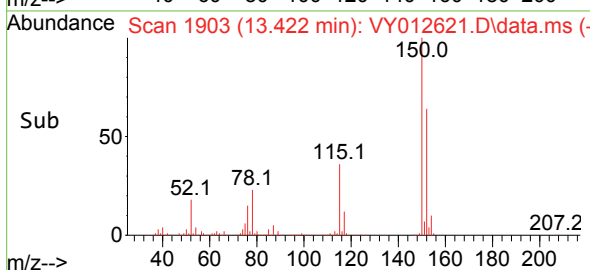
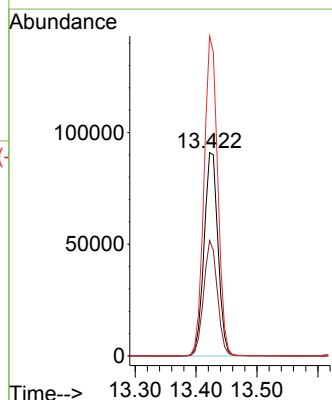
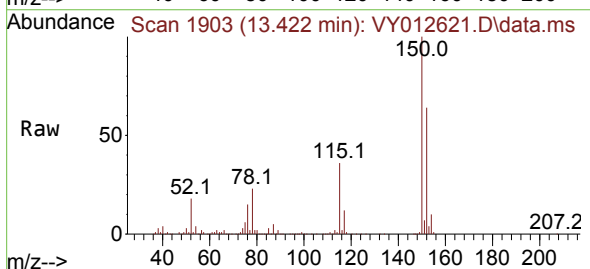
Tgt Ion:152 Resp: 144715

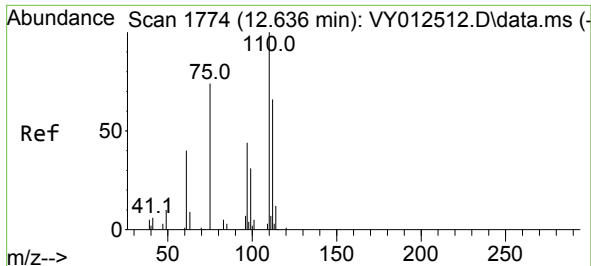
Ion Ratio Lower Upper

152 100

115 56.0 28.1 84.3

150 155.1 0.0 351.0

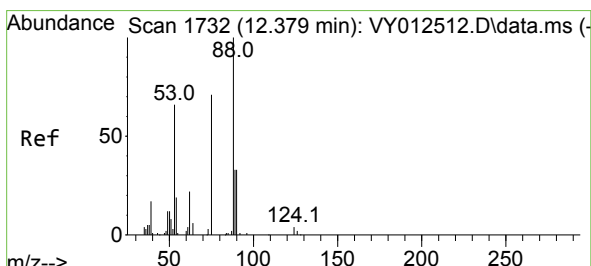
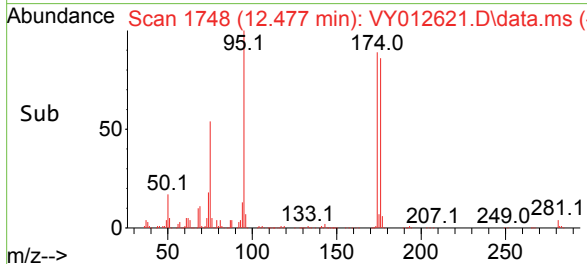
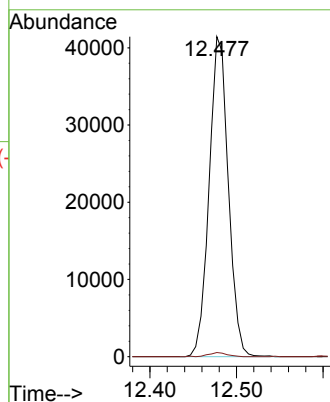
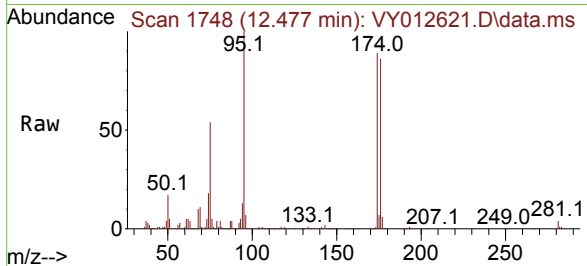




#76
1,2,3-Trichloropropane
Concen: 39.431 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 63753
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.920 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012621.D
Acq: 15 Feb 2023 17:58

Tgt Ion: 75 Resp: 63753
Ion Ratio Lower Upper
75 100
53 0.1 73.1 109.7#
89 0.0 39.9 59.9#

