

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012989.D
 Acq On : 17 Mar 2023 16:12
 Operator : KP/MD
 Sample : 01964-07RE
 Misc : 5.40g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 05:46:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

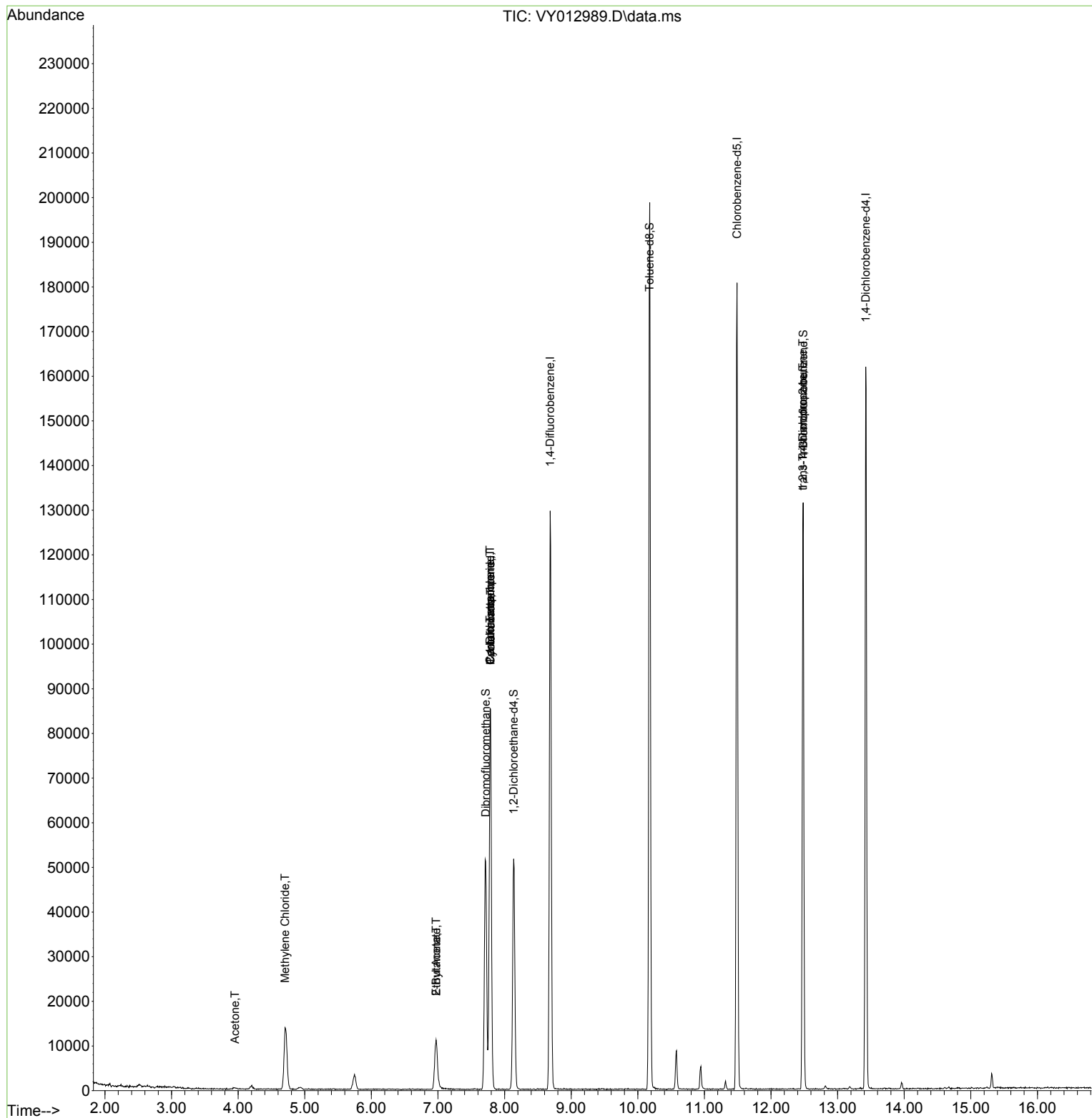
Internal Standards						
1) Pentafluorobenzene	7.789	168	66641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	108038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	96842	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	41818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	39963	60.398	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.800%			
35) Dibromofluoromethane	7.716	113	36929	56.639	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.280%			
50) Toluene-d8	10.179	98	129586	54.365	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.740%			
62) 4-Bromofluorobenzene	12.483	95	37096	46.109	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.220%			
Target Compounds						
11) Tert butyl alcohol	4.930	59	701	Below Cal	#	74
16) Acetone	3.954	43	573	2.206	ug/l	90
20) Methylene Chloride	4.704	84	10385	8.662	ug/l	97
25) 2-Butanone	6.972	43	794	2.468	ug/l	# 49
31) Cyclohexane	7.789	56	1468	1.158	ug/l	# 17
36) 1,1-Dichloropropene	7.783	75	5052	4.624	ug/l	# 51
37) Ethyl Acetate	6.972	43	794	1.153	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	6620	5.867	ug/l	# 15
76) 1,2,3-Trichloropropane	12.477	75	19681	39.411	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	19681	81.662	ug/l	# 13

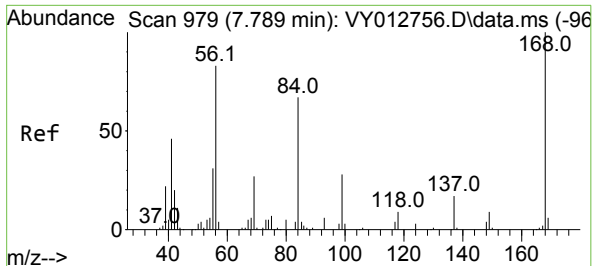
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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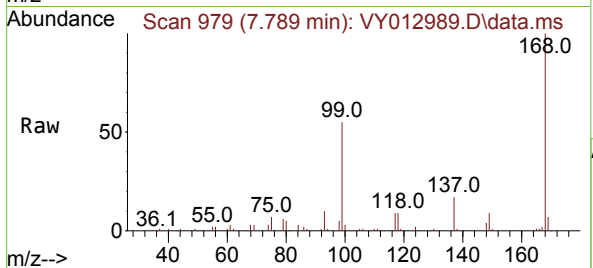
Quant Time: Mar 18 05:46:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 03 01:13:13 2023
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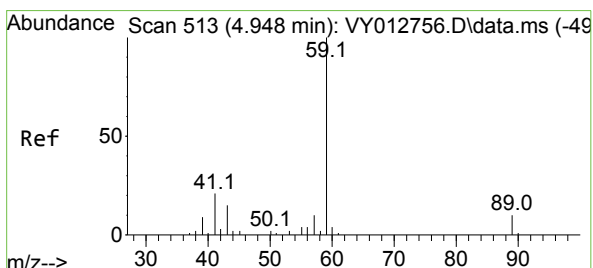
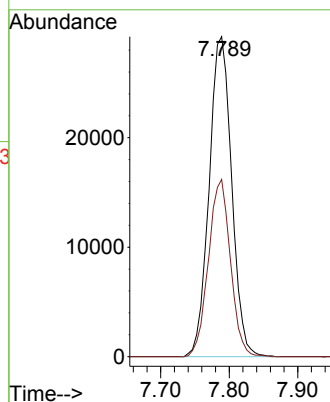
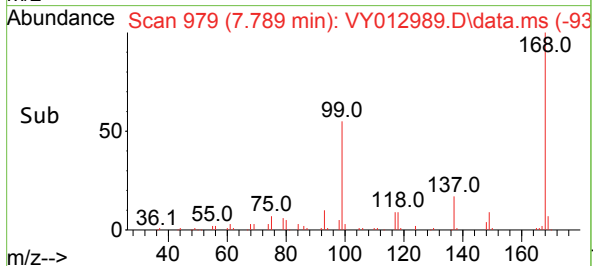


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

Instrument :
MSVOA_Y
ClientSampleId :

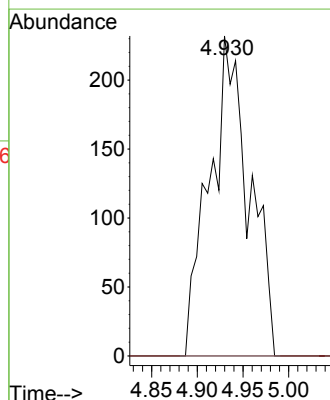
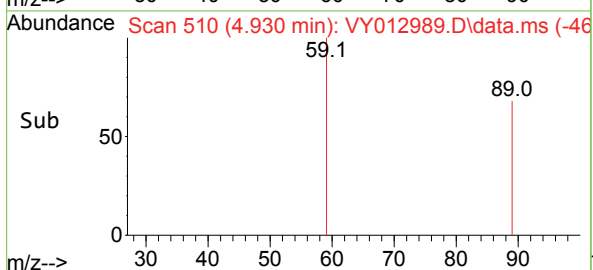
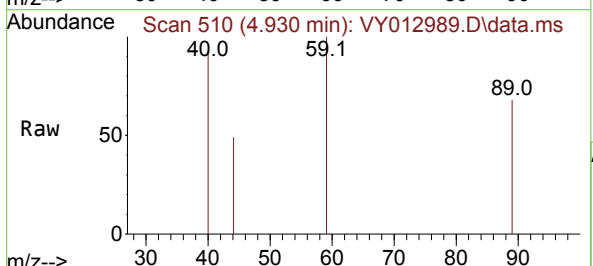


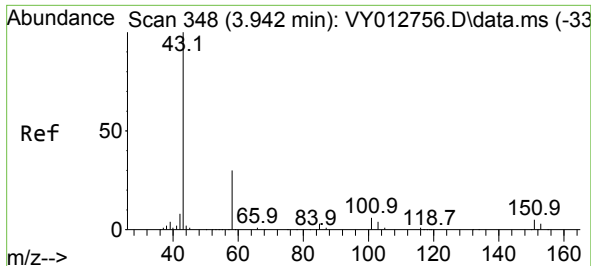
Tgt Ion:168 Resp: 66641
Ion Ratio Lower Upper
168 100
99 55.4 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

Tgt Ion: 59 Resp: 701
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 2.206 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

Instrument :

MSVOA_Y

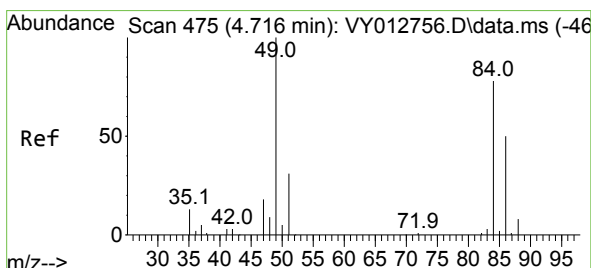
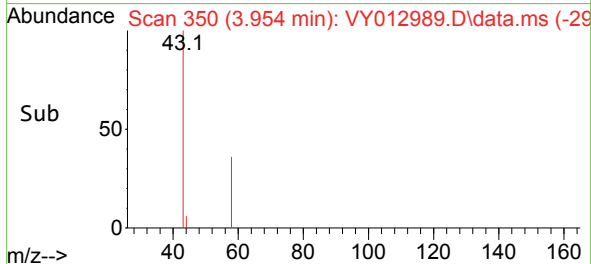
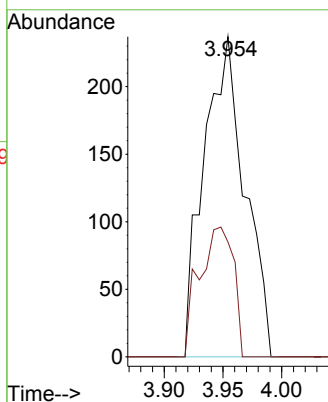
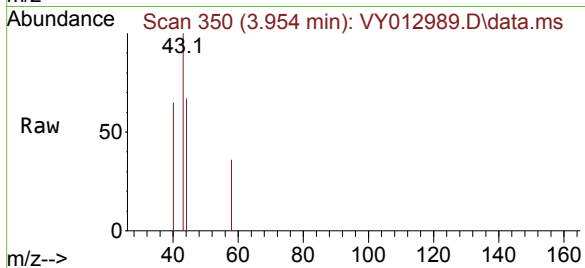
ClientSampleId :

Tgt Ion: 43 Resp: 573

Ion Ratio Lower Upper

43 100

58 35.9 24.2 36.2



#20

Methylene Chloride

Concen: 8.662 ug/l

RT: 4.704 min Scan# 473

Delta R.T. -0.012 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

Tgt Ion: 84 Resp: 10385

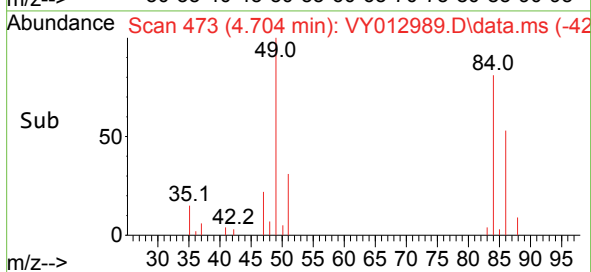
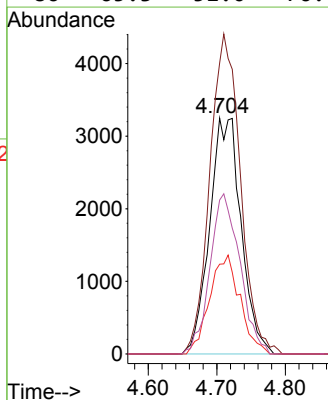
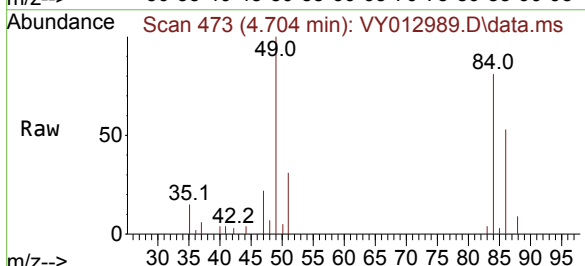
Ion Ratio Lower Upper

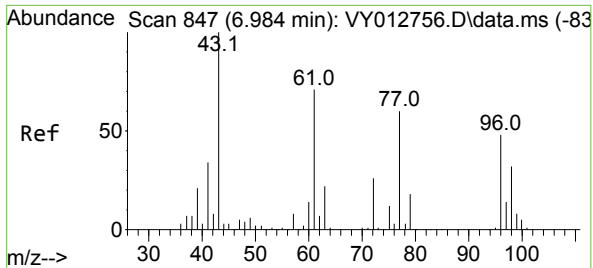
84 100

49 123.4 102.6 154.0

51 38.1 31.9 47.9

86 65.3 51.0 76.6

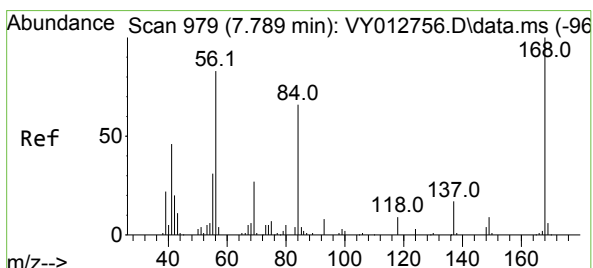
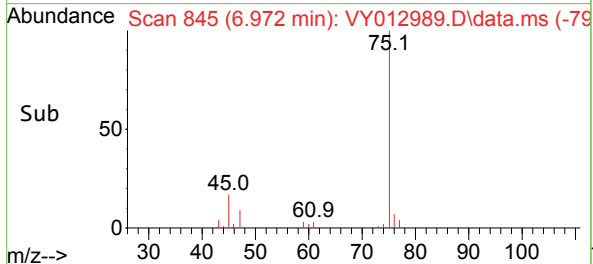
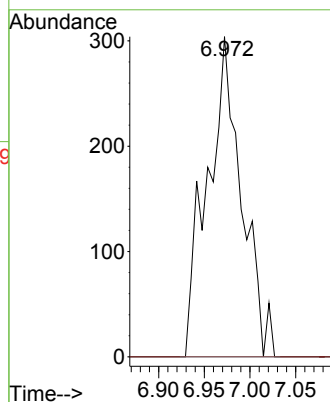
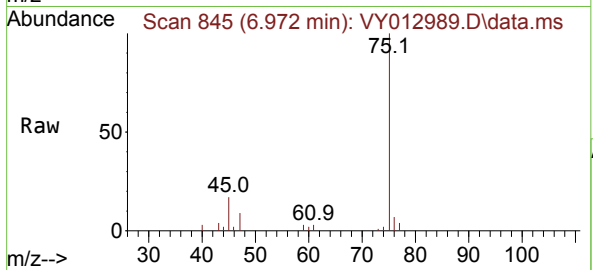




#25
2-Butanone
Concen: 2.468 ug/l
RT: 6.972 min Scan# 847
Delta R.T. -0.012 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

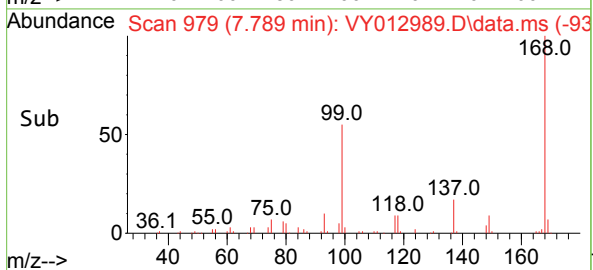
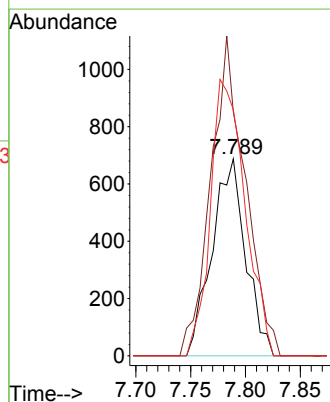
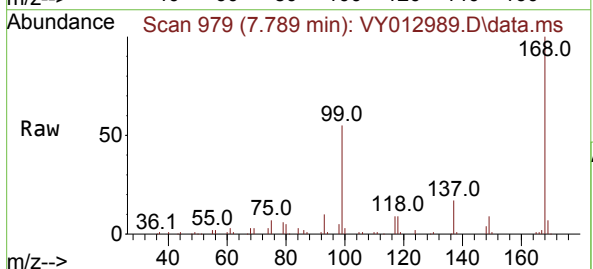
Instrument :
MSVOA_Y
ClientSampleId :

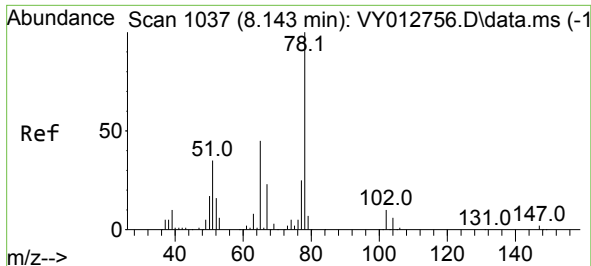
Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

Tgt Ion: 56 Resp: 1468
Ion Ratio Lower Upper
56 100
69 123.7 25.7 38.5#
84 125.0 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 60.398 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.007 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

Instrument :

MSVOA_Y

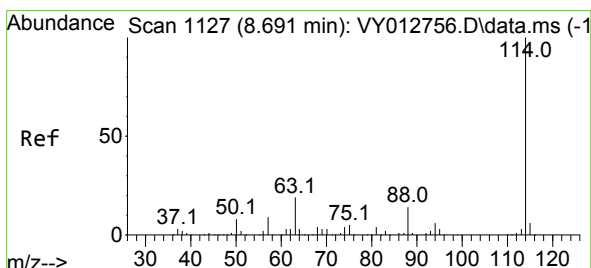
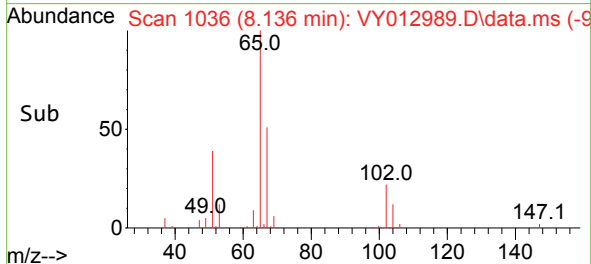
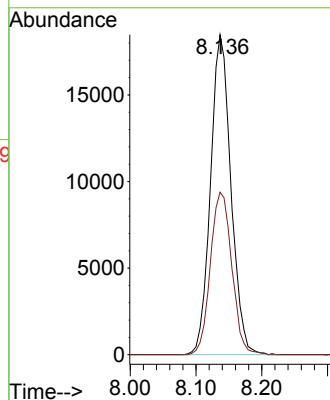
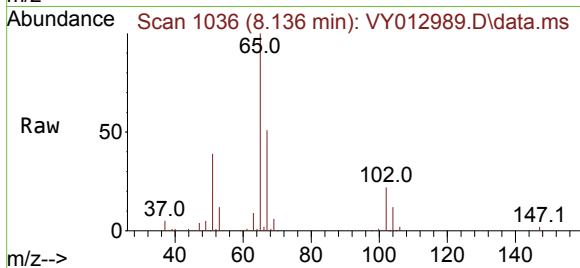
ClientSampleId :

Tgt Ion: 65 Resp: 39963

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

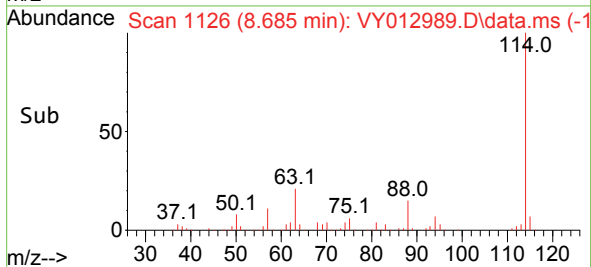
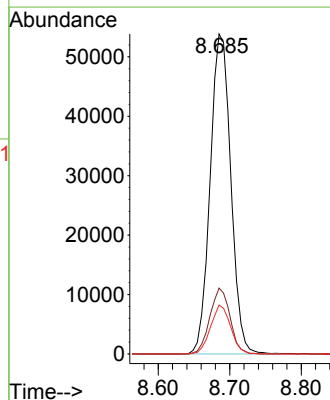
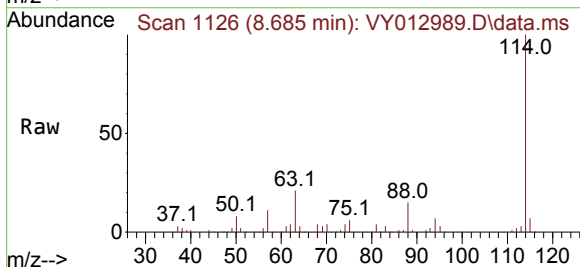
Tgt Ion:114 Resp: 108038

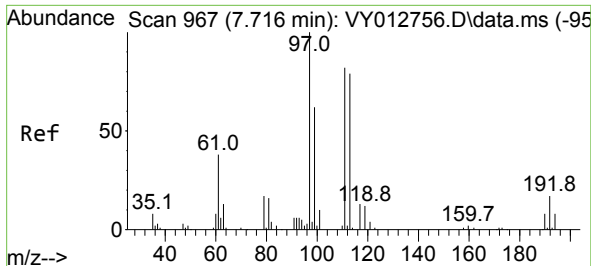
Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

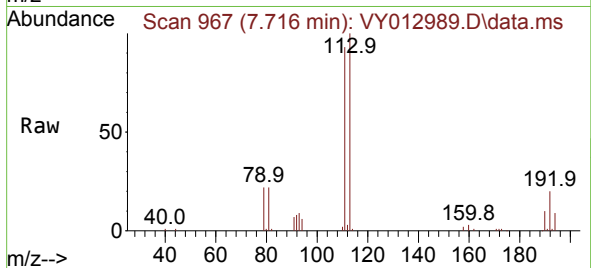
88 15.3 0.0 28.6



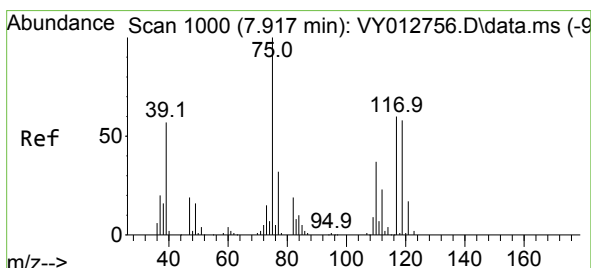
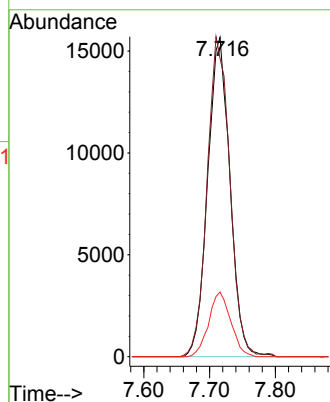
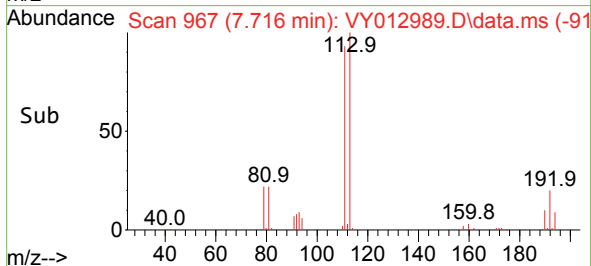


#35
Dibromofluoromethane
Concen: 56.639 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

Instrument :
MSVOA_Y
ClientSampleId :

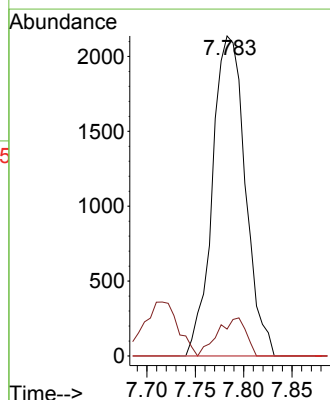
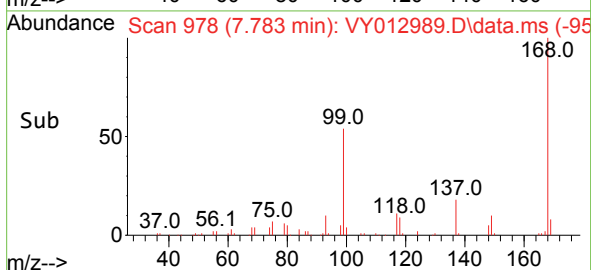
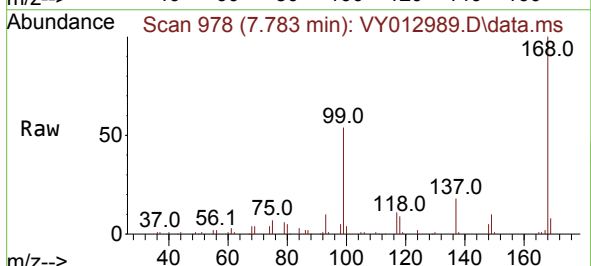


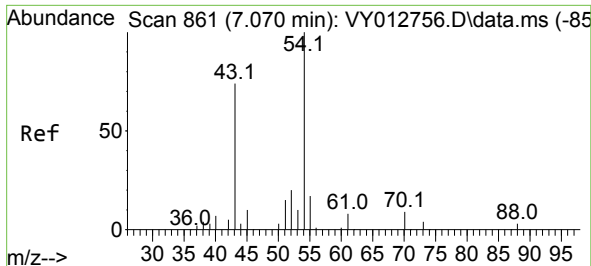
Tgt Ion:113 Resp: 36929
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.2
192 20.1 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.624 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

Tgt Ion: 75 Resp: 5052
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.3#
77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.153 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

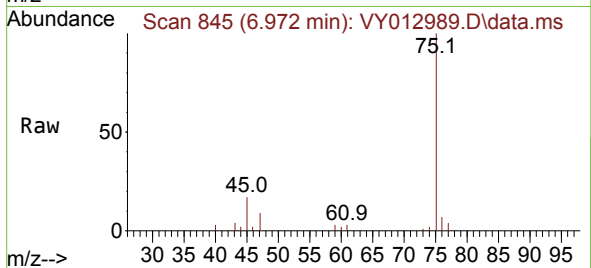
Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :



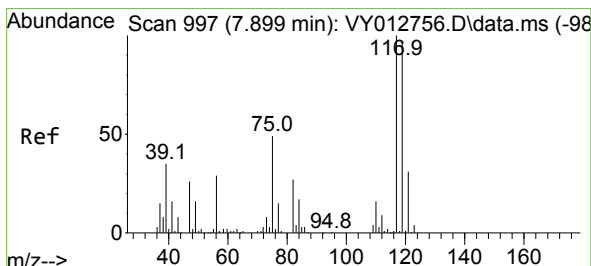
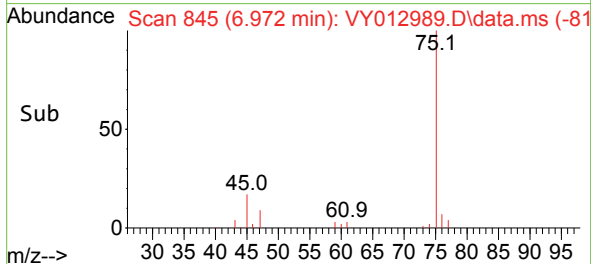
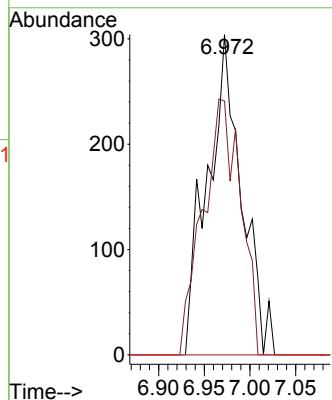
Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

61 87.8 10.7 16.1#

70 0.0 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 5.867 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

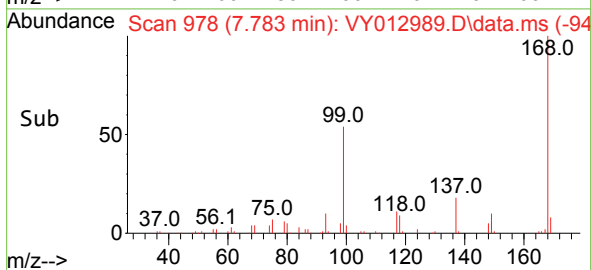
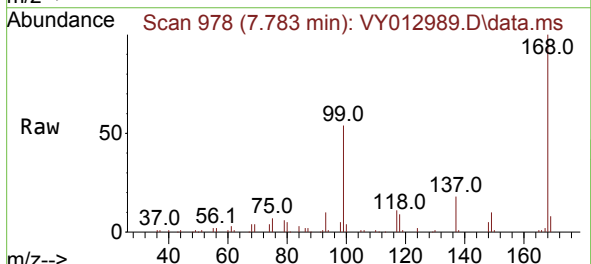
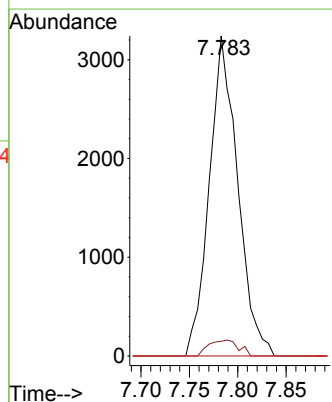
Tgt Ion: 117 Resp: 6620

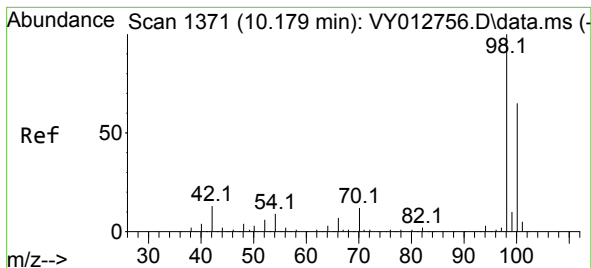
Ion Ratio Lower Upper

117 100

119 4.6 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.365 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

Instrument :

MSVOA_Y

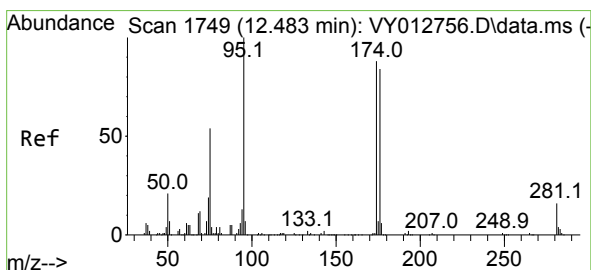
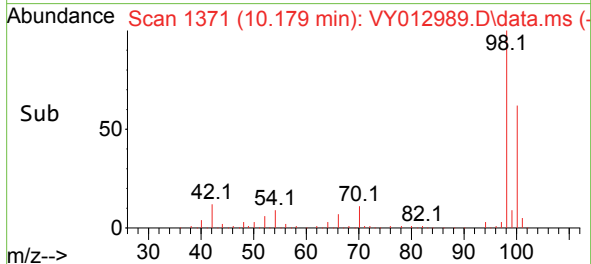
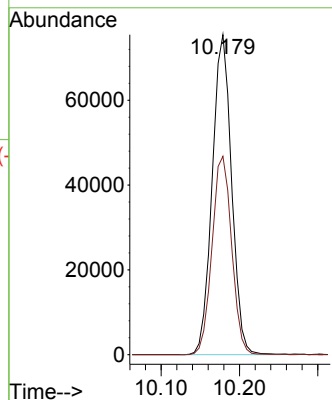
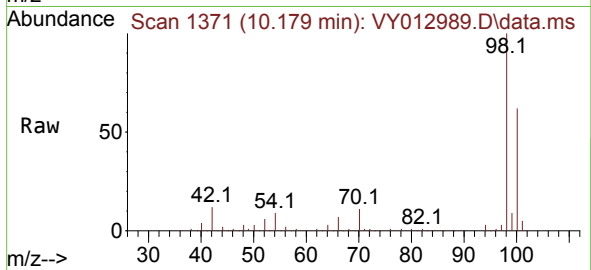
ClientSampleId :

Tgt Ion: 98 Resp: 129586

Ion Ratio Lower Upper

98 100

100 62.8 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 46.109 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

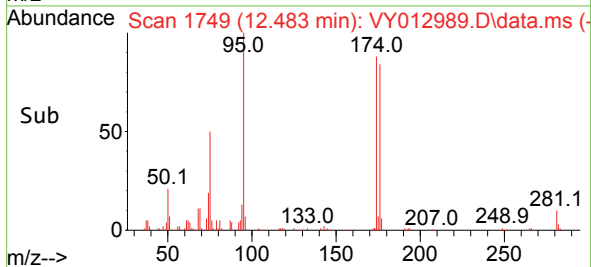
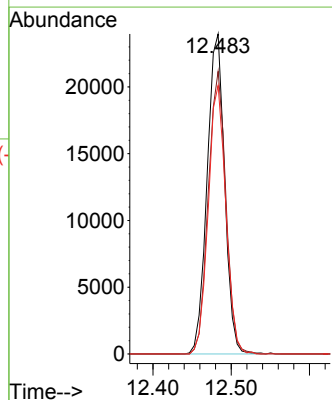
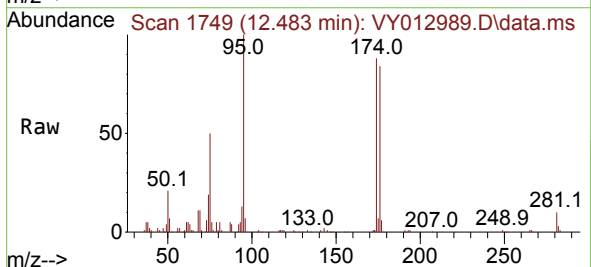
Tgt Ion: 95 Resp: 37096

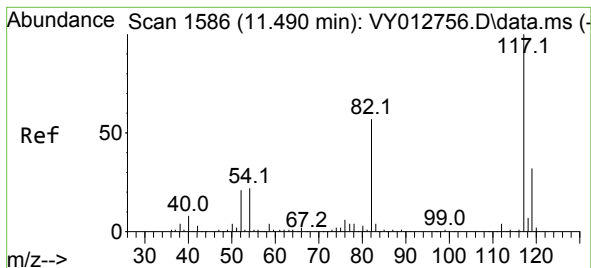
Ion Ratio Lower Upper

95 100

174 89.2 0.0 176.6

176 84.5 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

Instrument :

MSVOA_Y

ClientSampleId :

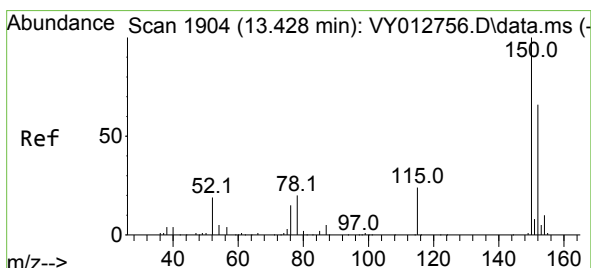
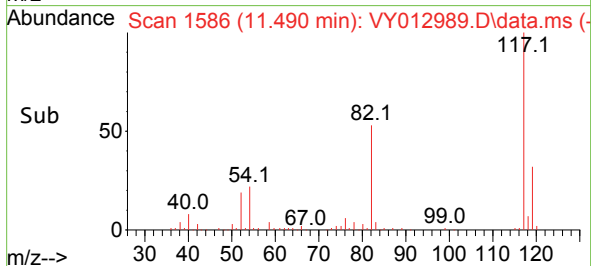
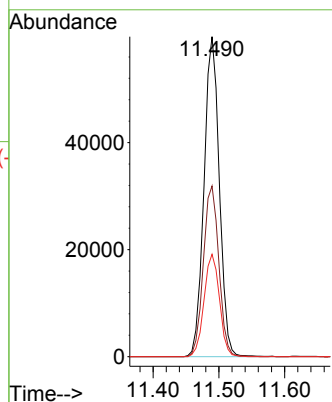
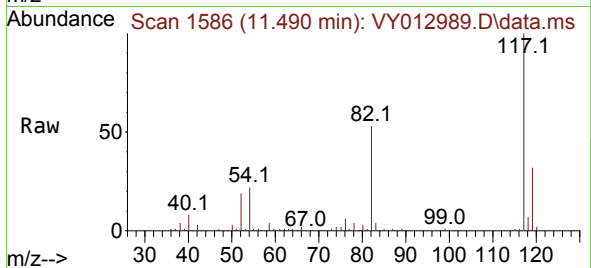
Tgt Ion:117 Resp: 96842

Ion Ratio Lower Upper

117 100

82 53.4 45.4 68.0

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012989.D

Acq: 17 Mar 2023 16:12

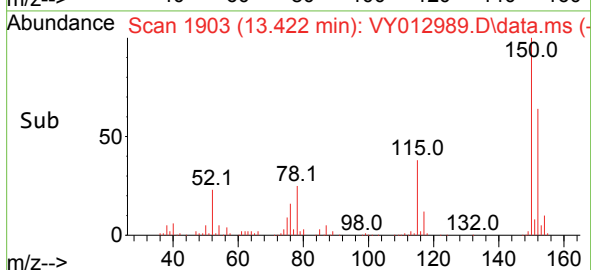
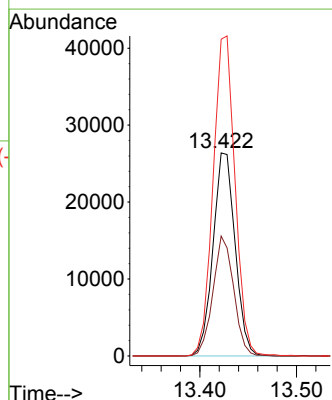
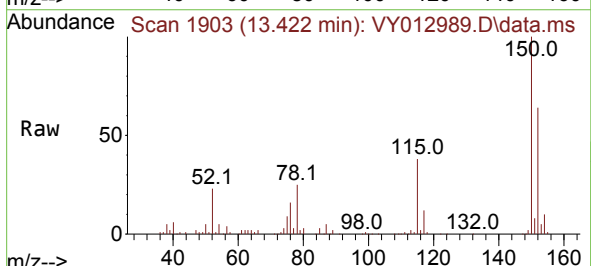
Tgt Ion:152 Resp: 41818

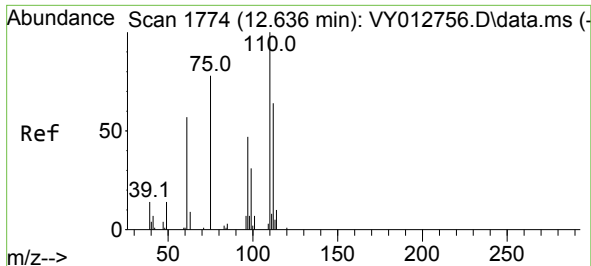
Ion Ratio Lower Upper

152 100

115 55.5 27.1 81.3

150 156.6 0.0 347.8

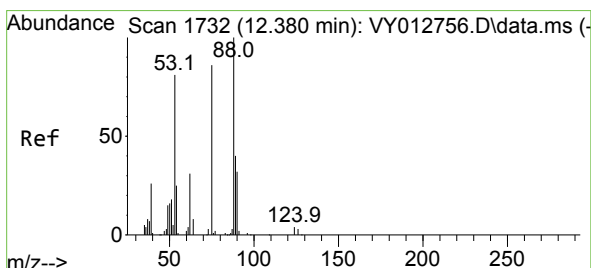
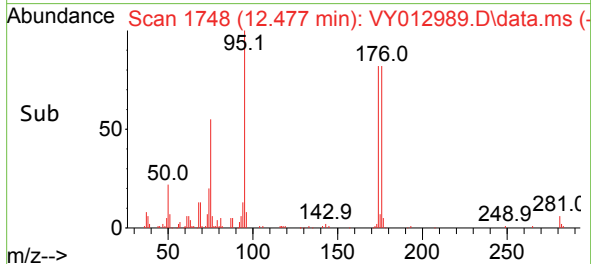
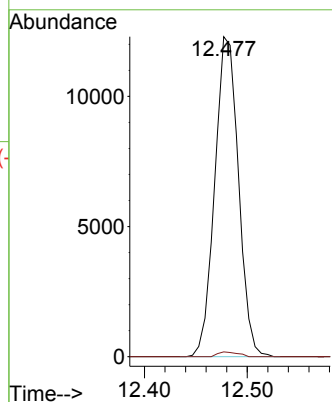
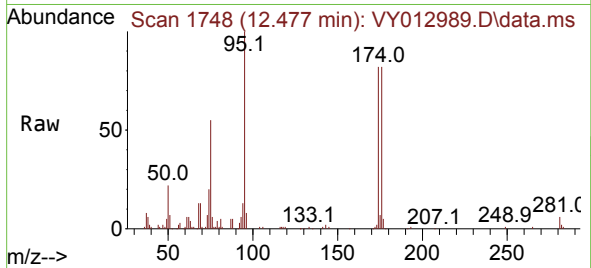




#76
1,2,3-Trichloropropane
Concen: 39.411 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 19681
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.662 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY012989.D
Acq: 17 Mar 2023 16:12

Tgt Ion: 75 Resp: 19681
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

