

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012873.D
 Acq On : 08 Mar 2023 16:02
 Operator : KP/MD
 Sample : 01829-03
 Misc : 6.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-03-20230306

Quant Time: Mar 09 00:37:31 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)

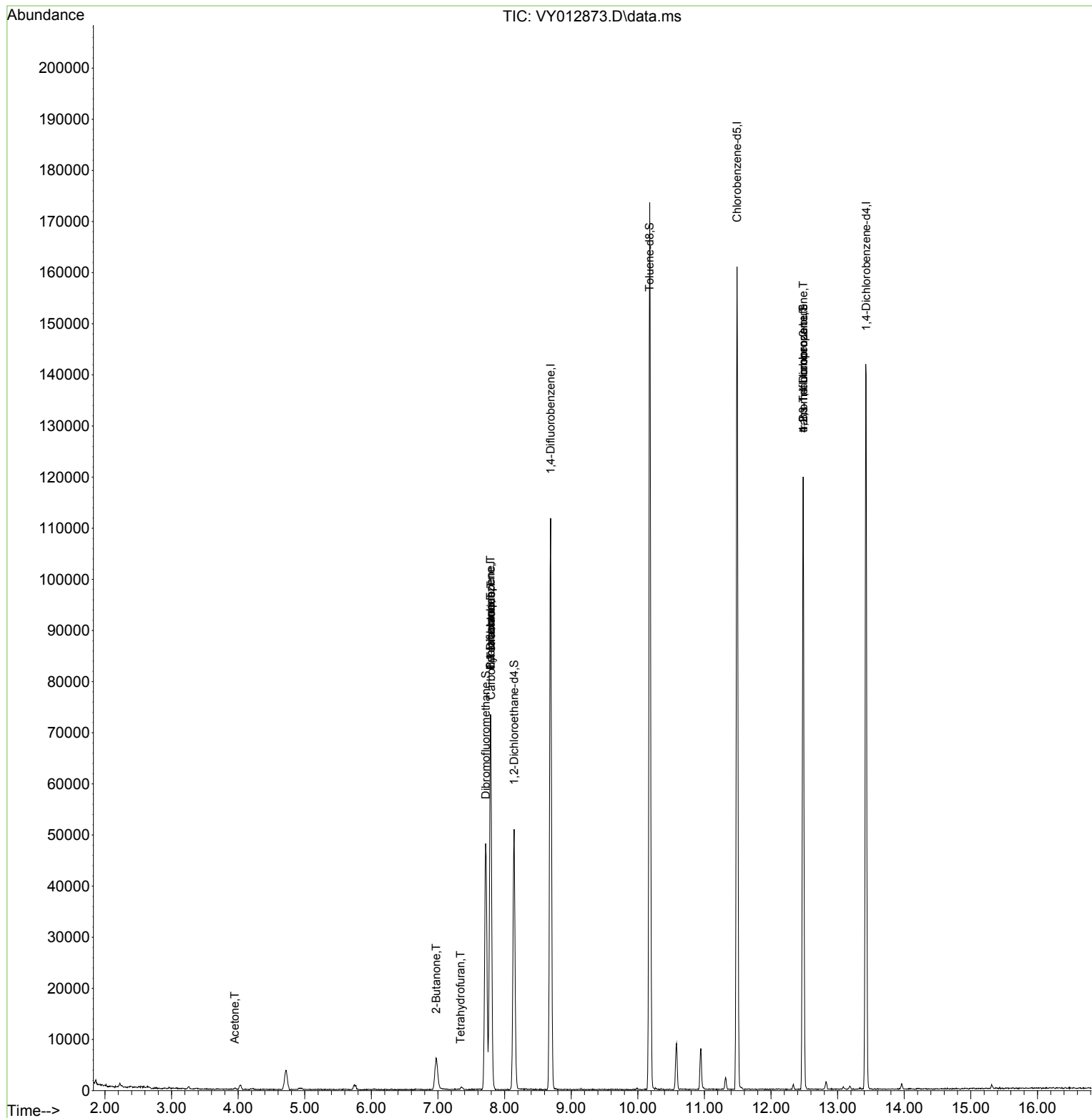
Internal Standards						
1) Pentafluorobenzene	7.789	168	56729	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	92779	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	87166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	37378	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	38115	67.670	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.340%			
35) Dibromofluoromethane	7.716	113	33600	60.009	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.020%			
50) Toluene-d8	10.179	98	113718	55.555	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.100%			
62) 4-Bromofluorobenzene	12.483	95	32929	47.661	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.320%			
Target Compounds						
11) Tert butyl alcohol	4.954	59	271	Below Cal	#	74
16) Acetone	3.948	43	430	1.945	ug/l #	44
20) Methylene Chloride	4.722	84	2904	Below Cal		96
25) 2-Butanone	6.972	43	402	1.468	ug/l #	49
29) Tetrahydrofuran	7.338	42	394	2.386	ug/l #	36
31) Cyclohexane	7.789	56	1184	1.098	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	4256	4.536	ug/l #	50
38) Carbon Tetrachloride	7.795	117	5216	5.383	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	17036	38.167	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	17036	79.083	ug/l #	13

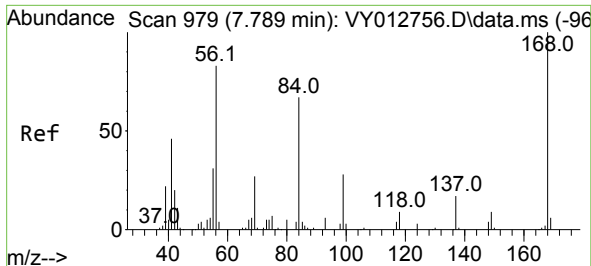
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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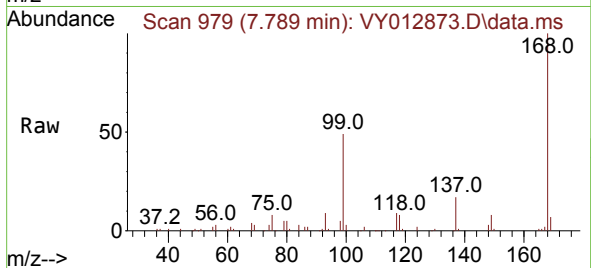
Quant Time: Mar 09 00:37:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
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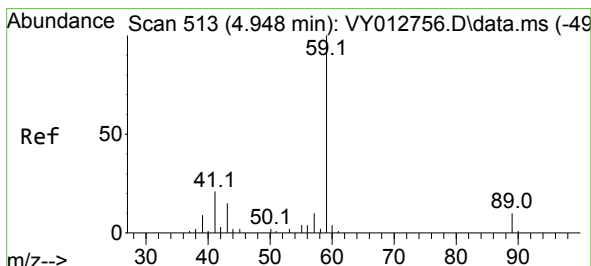
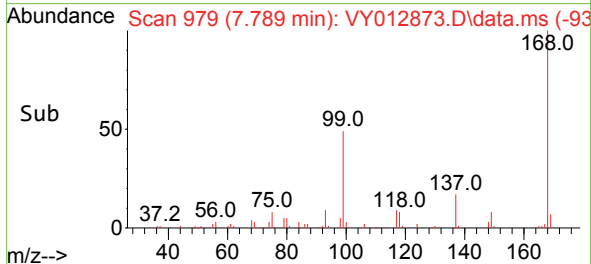
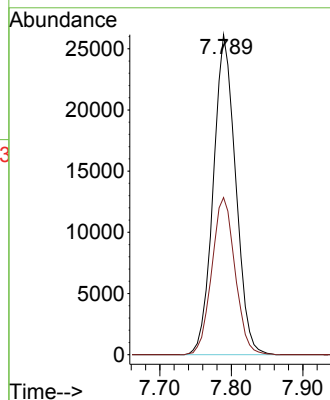


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :
SS-03-20230306

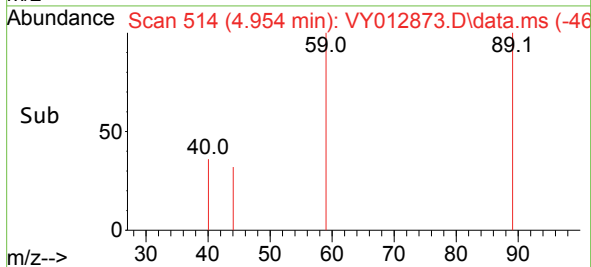
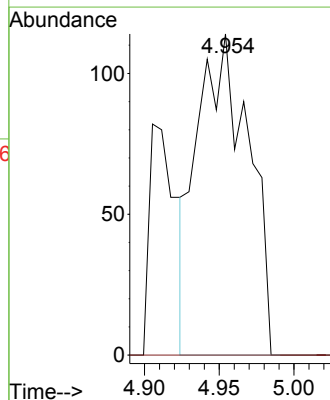
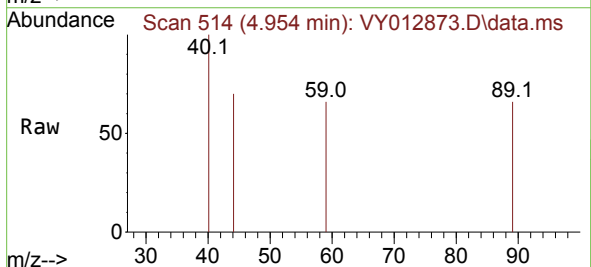


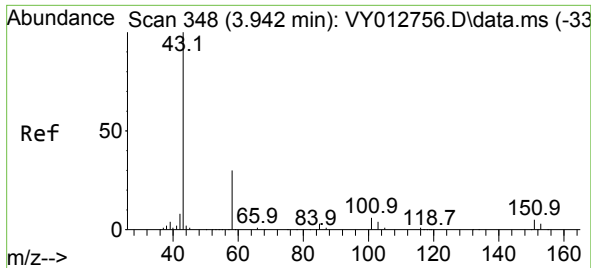
Tgt Ion:168 Resp: 56729
Ion Ratio Lower Upper
168 100
99 49.1 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.006 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

Tgt Ion: 59 Resp: 271
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 1.945 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY012873.D

Acq: 08 Mar 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

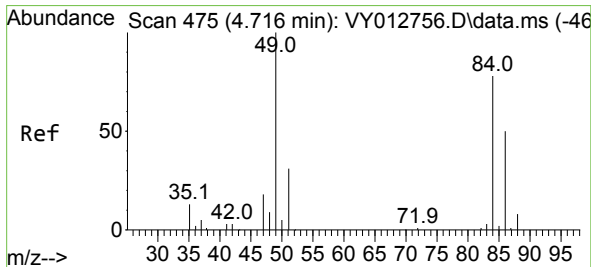
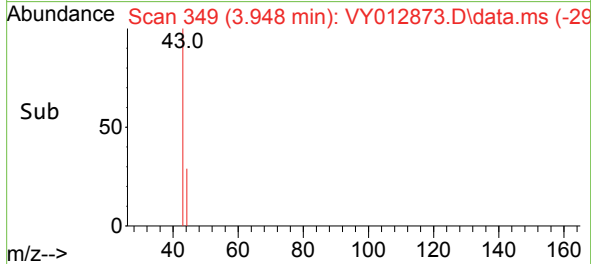
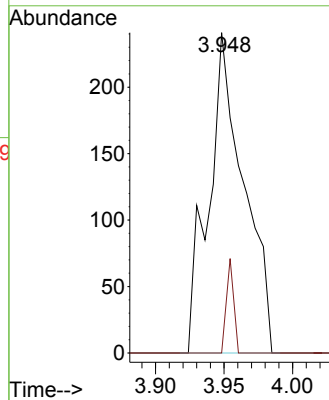
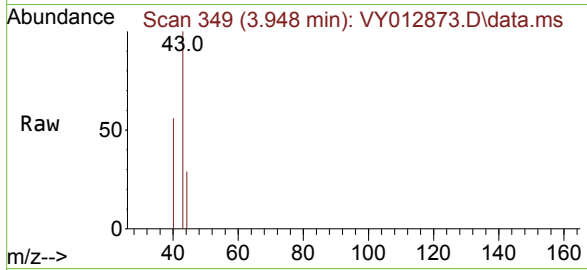
SS-03-20230306

Tgt Ion: 43 Resp: 430

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY012873.D

Acq: 08 Mar 2023 16:02

Tgt Ion: 84 Resp: 2904

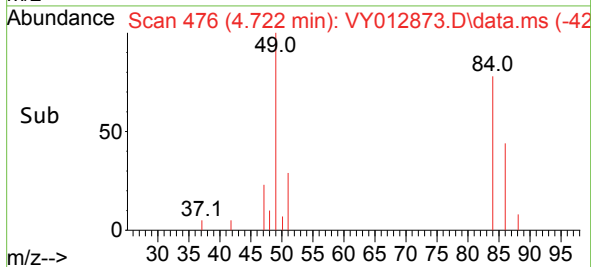
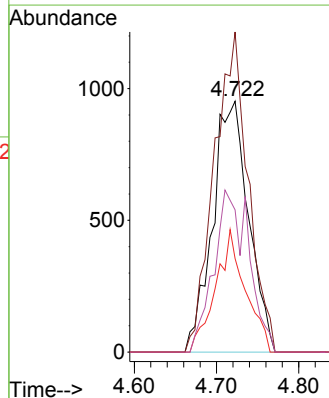
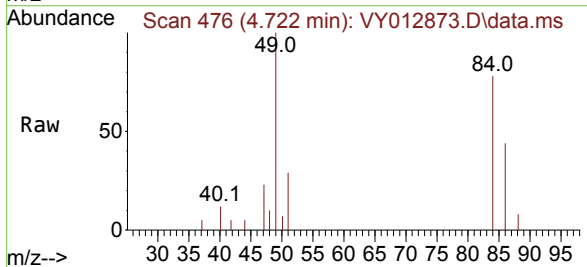
Ion Ratio Lower Upper

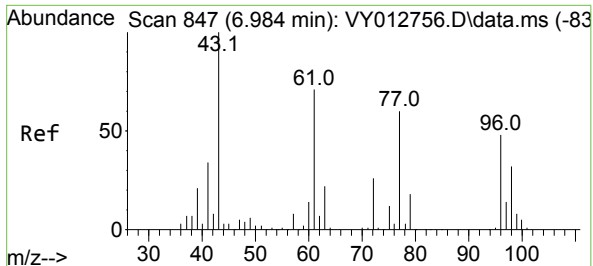
84 100

49 127.6 102.6 154.0

51 37.3 31.9 47.9

86 56.7 51.0 76.6





#25

2-Butanone

Concen: 1.468 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY012873.D

Acq: 08 Mar 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

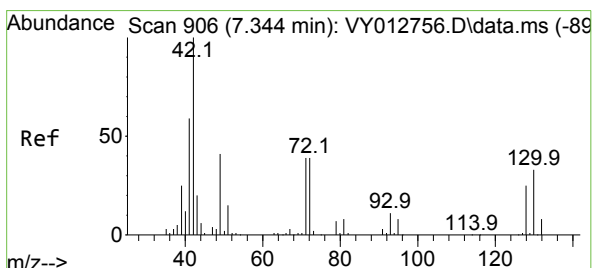
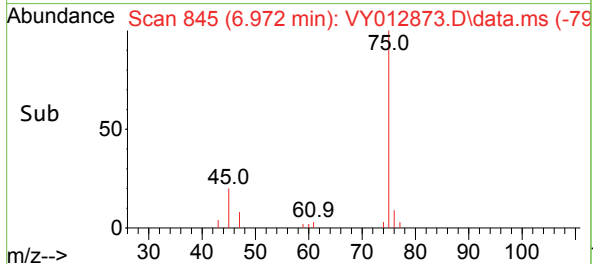
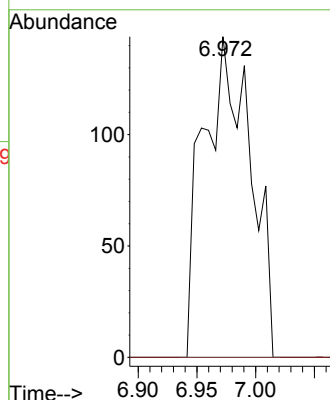
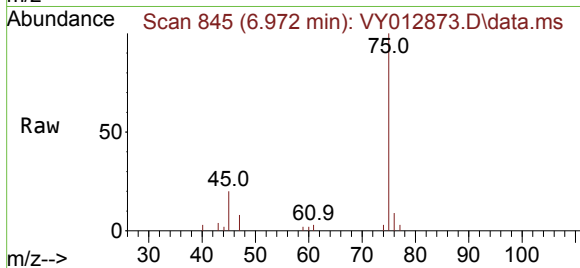
SS-03-20230306

Tgt Ion: 43 Resp: 402

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#29

Tetrahydrofuran

Concen: 2.386 ug/l

RT: 7.338 min Scan# 905

Delta R.T. -0.006 min

Lab File: VY012873.D

Acq: 08 Mar 2023 16:02

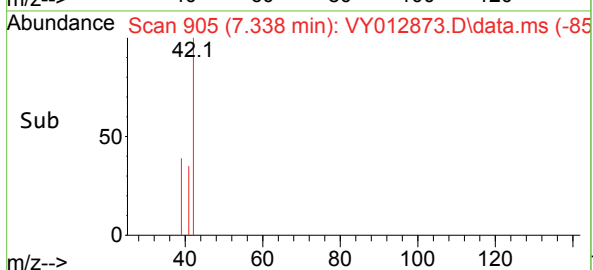
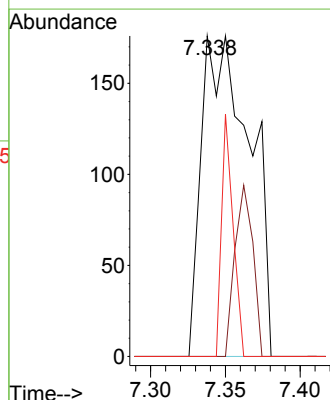
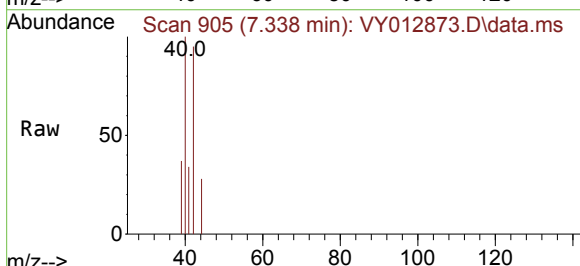
Tgt Ion: 42 Resp: 394

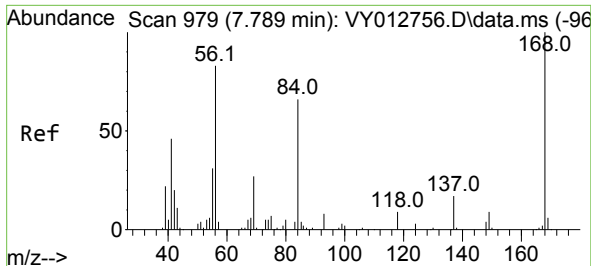
Ion Ratio Lower Upper

42 100

72 0.0 32.3 48.5#

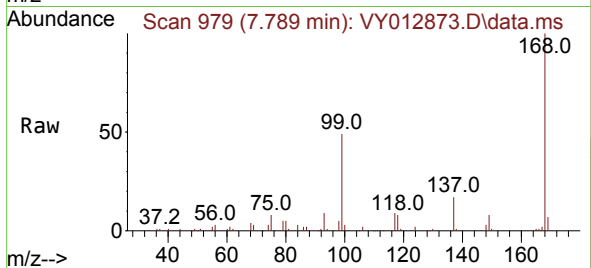
71 0.0 30.3 45.5#



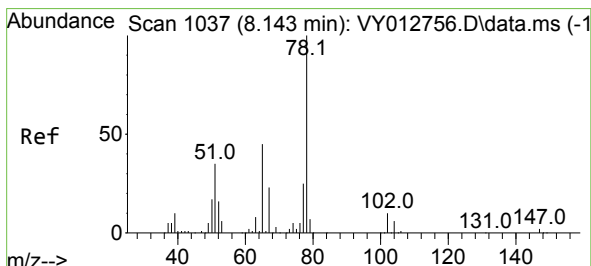
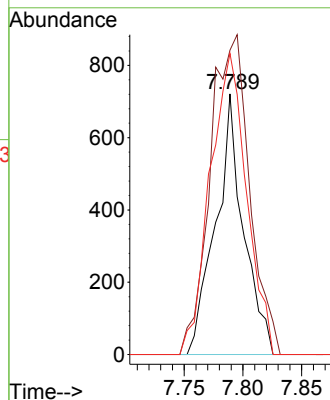
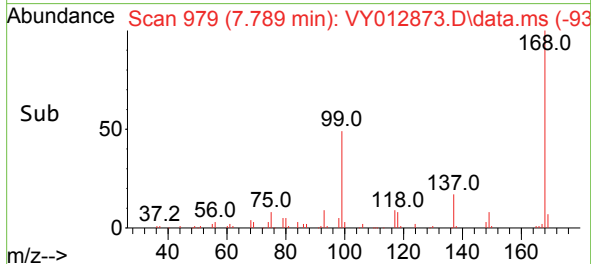


#31
Cyclohexane
Concen: 1.098 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :
SS-03-20230306

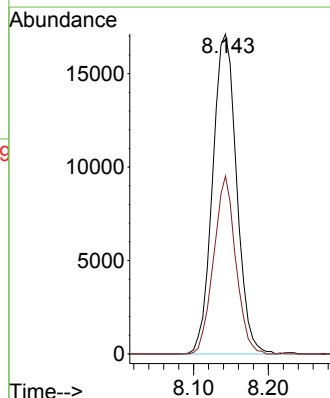
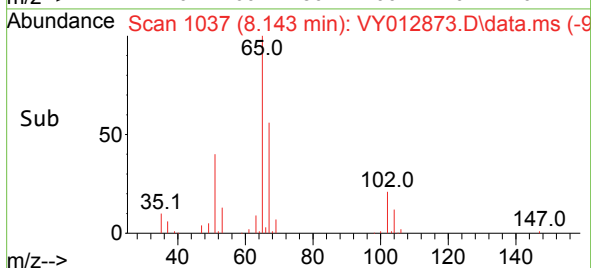
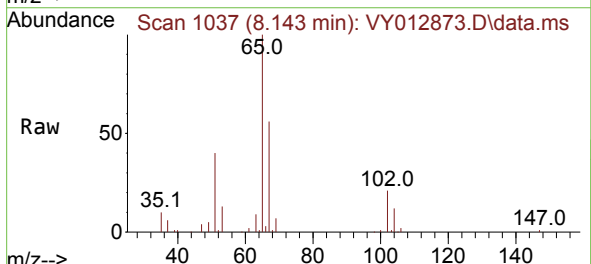


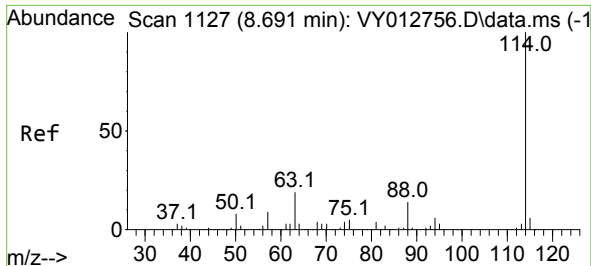
Tgt Ion: 56 Resp: 1184
Ion Ratio Lower Upper
56 100
69 116.8 25.7 38.5#
84 115.5 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 67.670 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

Tgt Ion: 65 Resp: 38115
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0

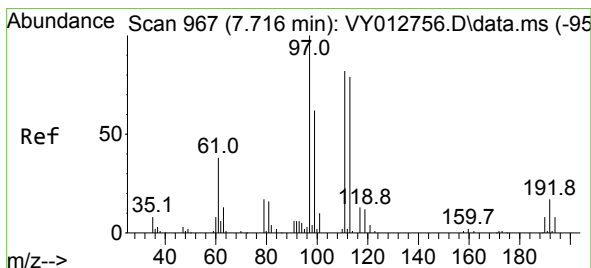
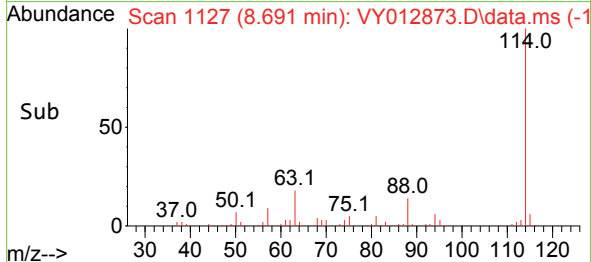
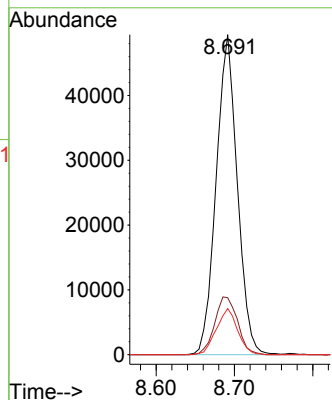
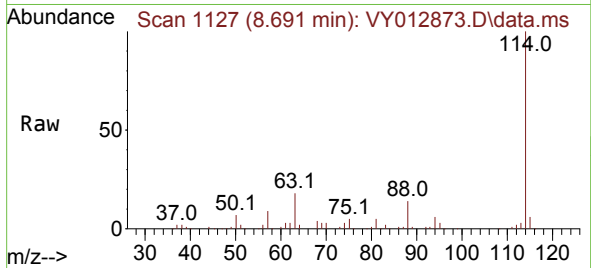




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

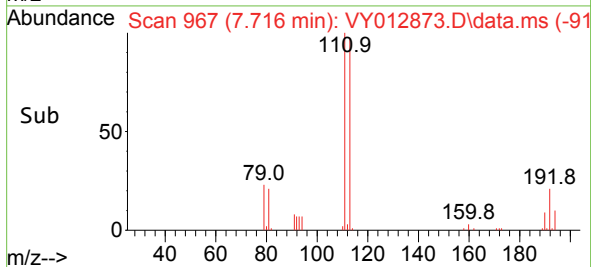
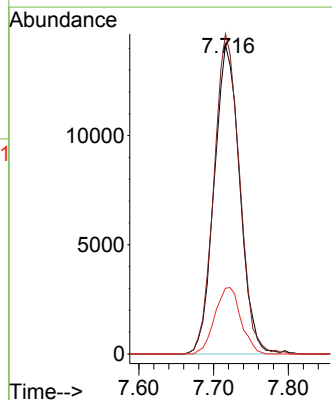
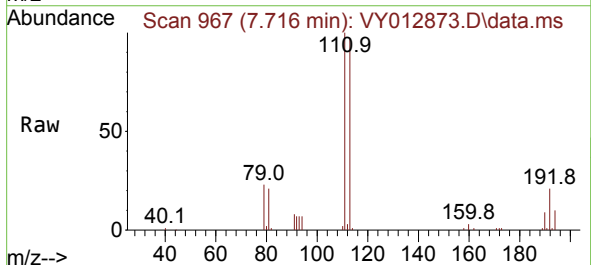
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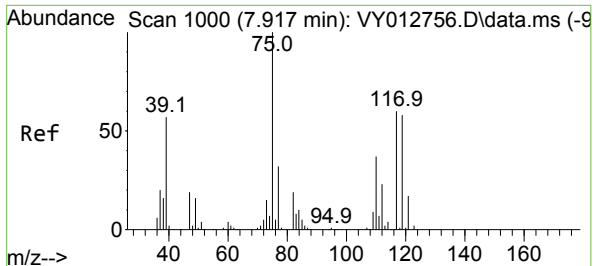
Tgt Ion:114 Resp: 92779
Ion Ratio Lower Upper
114 100
63 17.8 0.0 37.4
88 14.4 0.0 28.6



#35
Dibromofluoromethane
Concen: 60.009 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

Tgt Ion:113 Resp: 33600
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 21.9 16.8 25.2

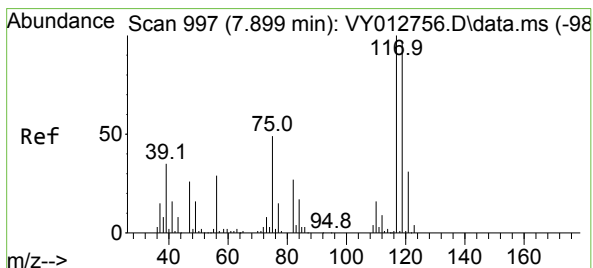
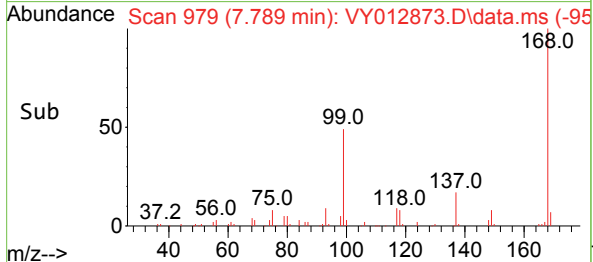
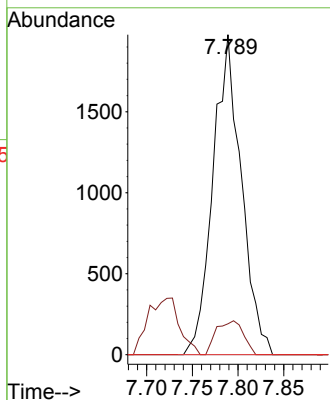
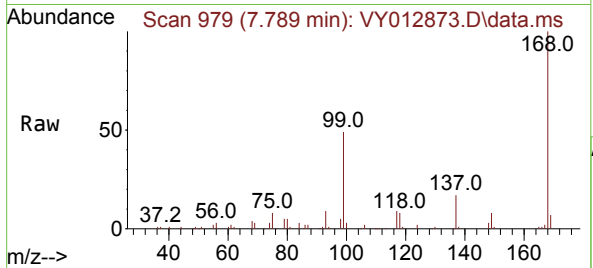




#36
 1,1-Dichloropropene
 Concen: 4.536 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY012873.D
 Acq: 08 Mar 2023 16:02

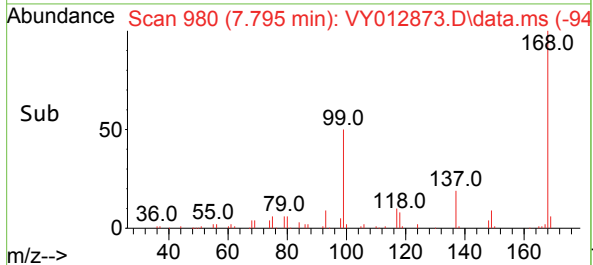
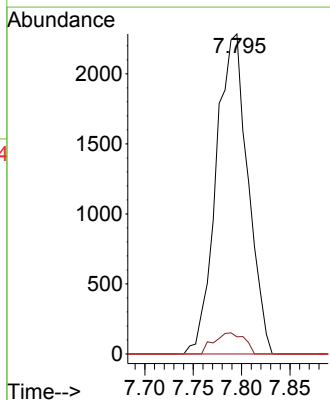
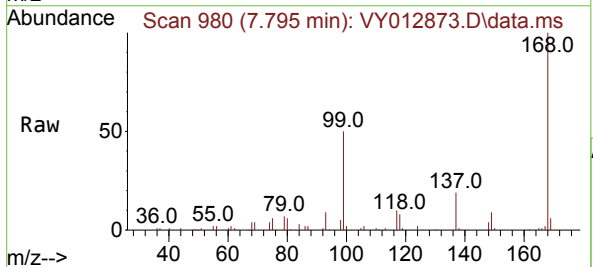
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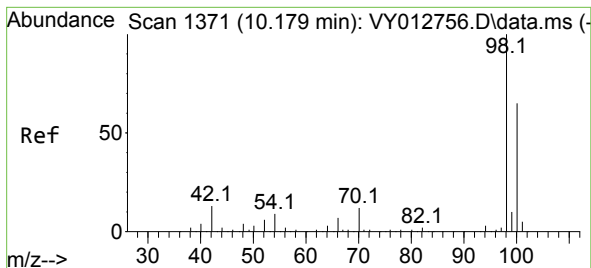
Tgt Ion: 75 Resp: 4256
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.383 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.104 min
 Lab File: VY012873.D
 Acq: 08 Mar 2023 16:02

Tgt Ion: 117 Resp: 5216
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.2 115.8#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 55.555 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012873.D

Acq: 08 Mar 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

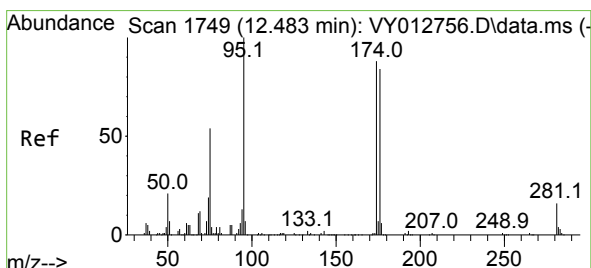
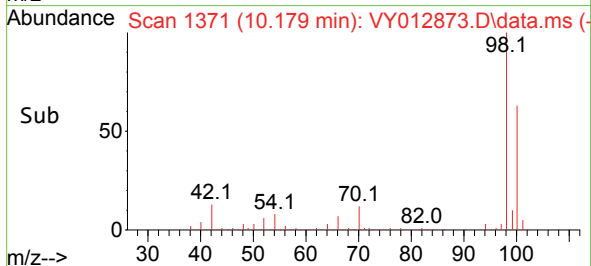
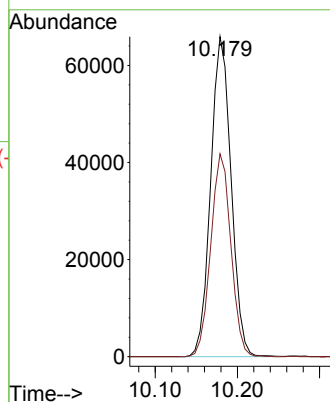
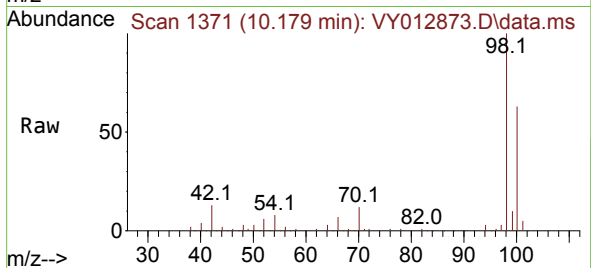
SS-03-20230306

Tgt Ion: 98 Resp: 113718

Ion Ratio Lower Upper

98 100

100 62.5 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 47.661 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012873.D

Acq: 08 Mar 2023 16:02

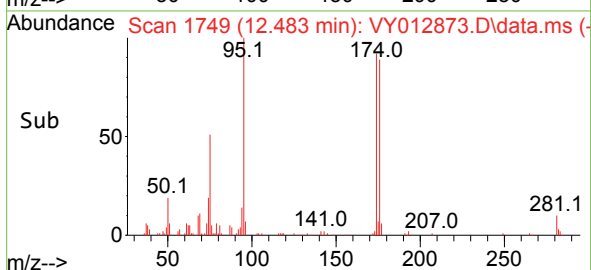
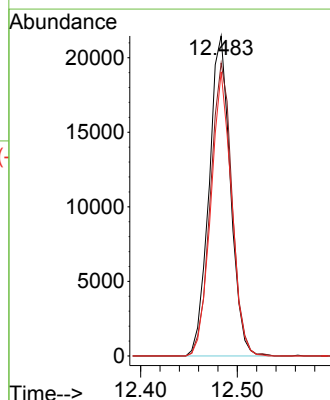
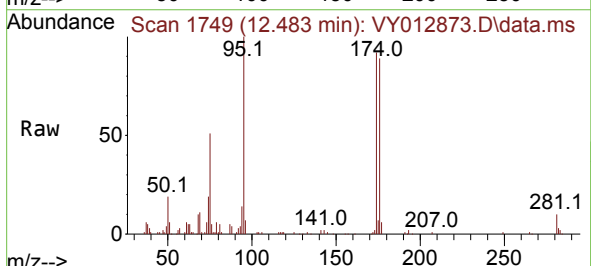
Tgt Ion: 95 Resp: 32929

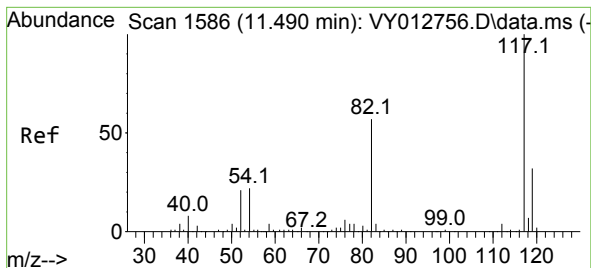
Ion Ratio Lower Upper

95 100

174 92.5 0.0 176.6

176 86.2 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: VY012873.D

Acq: 08 Mar 2023 16:02

Instrument :

MSVOA_Y

ClientSampleId :

SS-03-20230306

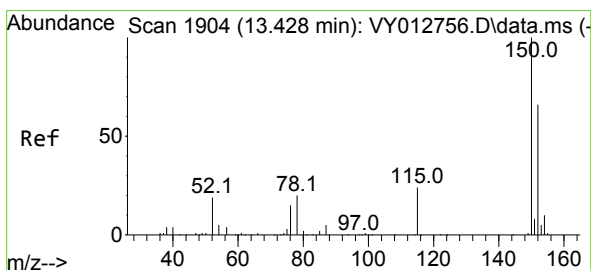
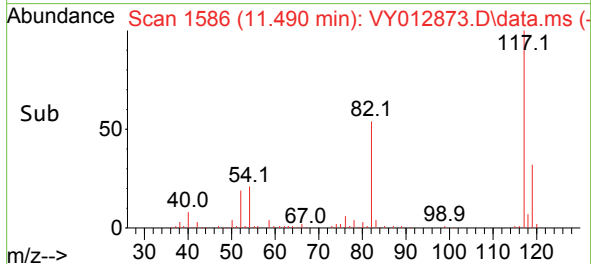
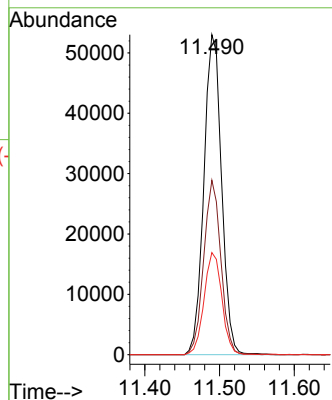
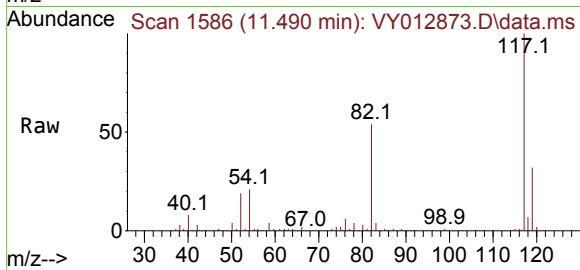
Tgt Ion:117 Resp: 87166

Ion Ratio Lower Upper

117 100

82 54.5 45.4 68.0

119 31.9 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012873.D

Acq: 08 Mar 2023 16:02

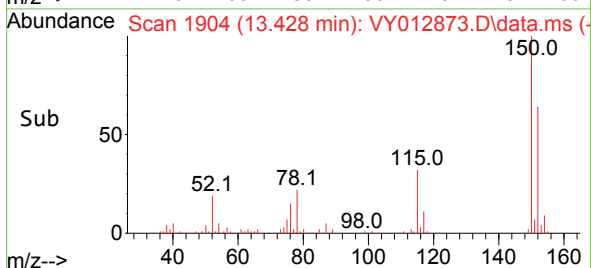
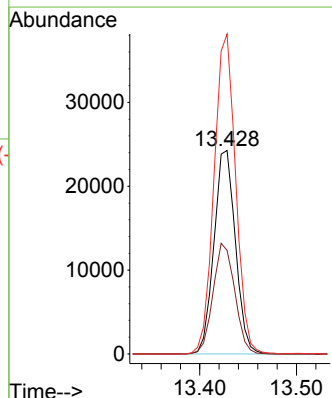
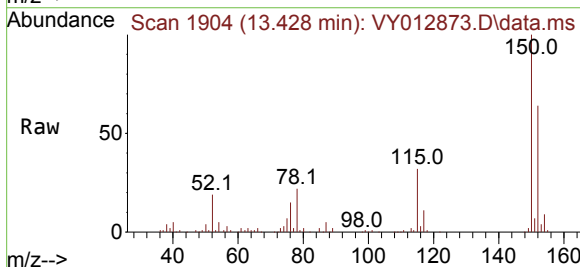
Tgt Ion:152 Resp: 37378

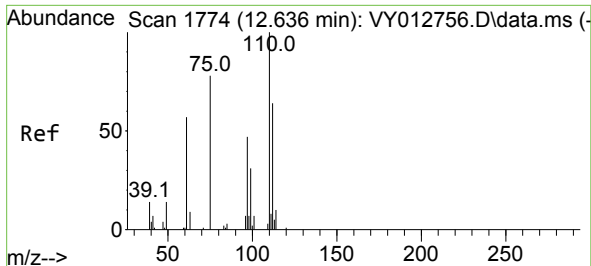
Ion Ratio Lower Upper

152 100

115 55.1 27.1 81.3

150 157.9 0.0 347.8

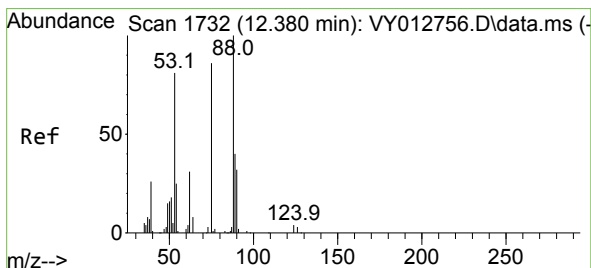
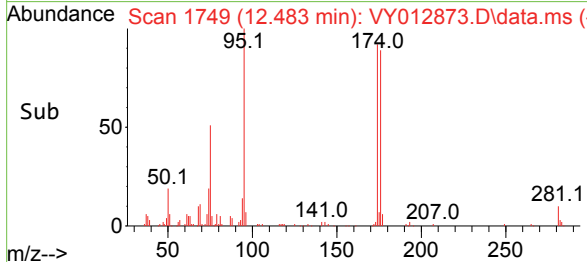
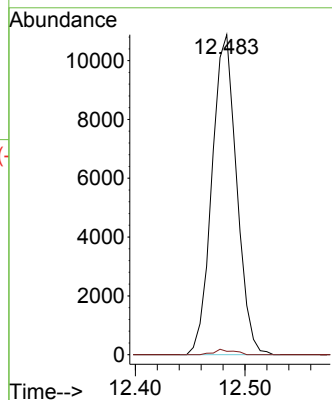
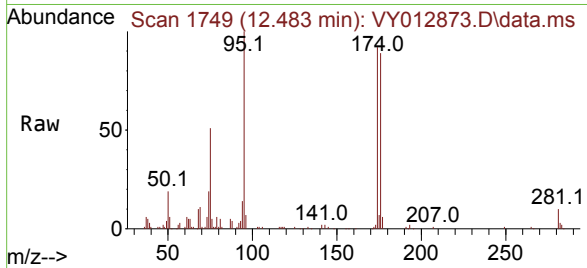




#76
1,2,3-Trichloropropane
Concen: 38.167 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

Instrument :
MSVOA_Y
ClientSampleId :
SS-03-20230306

Tgt Ion: 75 Resp: 17036
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.083 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012873.D
Acq: 08 Mar 2023 16:02

Tgt Ion: 75 Resp: 17036
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

