

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031723\
 Data File : VY012997.D
 Acq On : 17 Mar 2023 19:19
 Operator : KP/MD
 Sample : 01998-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 18 05:49:34 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)

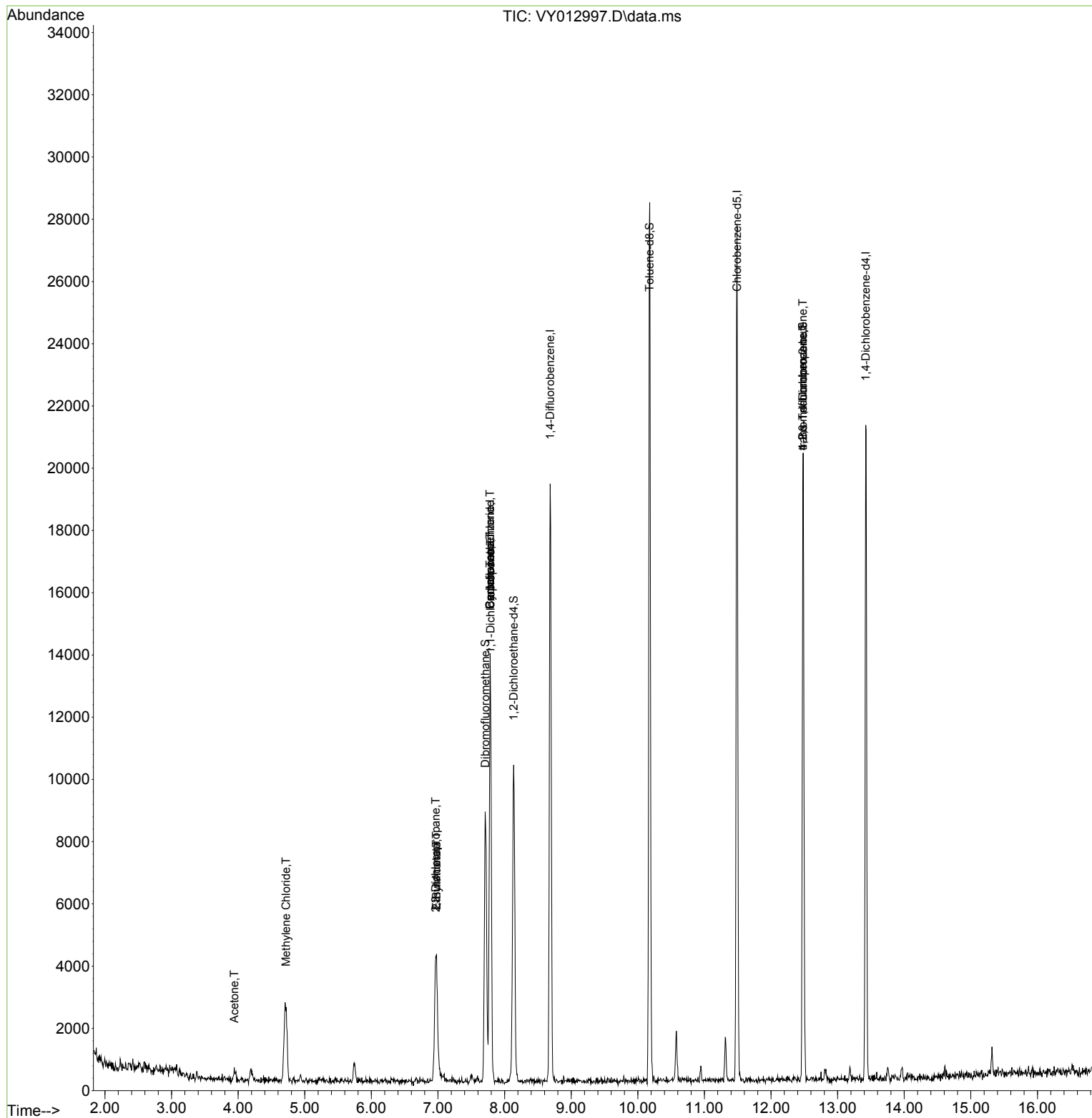
Internal Standards						
1) Pentafluorobenzene	7.783	168	10377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	16225	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	7792	75.628	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.260%			
35) Dibromofluoromethane	7.710	113	6141	62.716	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.440%			
50) Toluene-d8	10.179	98	18950	52.938	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.880%			
62) 4-Bromofluorobenzene	12.477	95	5357	44.338	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.680%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	160	Below Cal	#	74
16) Acetone	3.942	43	450	11.128	ug/l #	44
20) Methylene Chloride	4.716	84	2132	13.337	ug/l #	81
25) 2-Butanone	6.978	43	193	3.853	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	234	1.290	ug/l #	52
31) Cyclohexane	7.783	56	198	1.003	ug/l #	19
36) 1,1-Dichloropropene	7.789	75	797	4.857	ug/l #	41
37) Ethyl Acetate	6.978	43	193	1.866	ug/l #	1
38) Carbon Tetrachloride	7.783	117	953	5.624	ug/l #	12
76) 1,2,3-Trichloropropane	12.477	75	2951	43.784	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2951	90.723	ug/l #	13

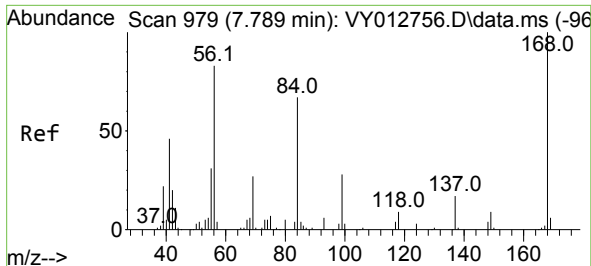
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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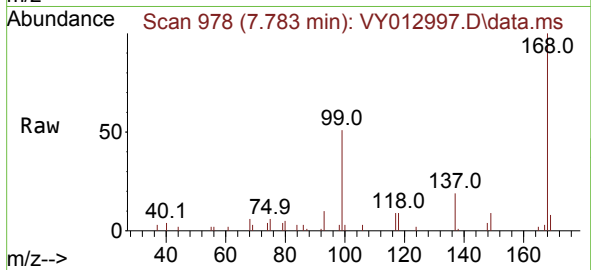
Quant Time: Mar 18 05:49:34 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
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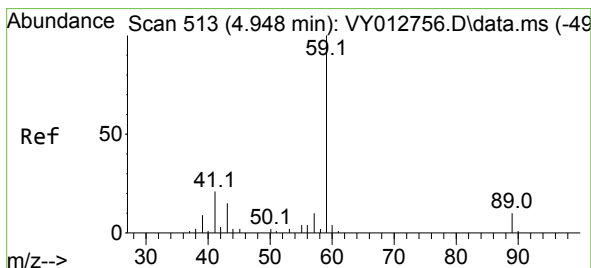
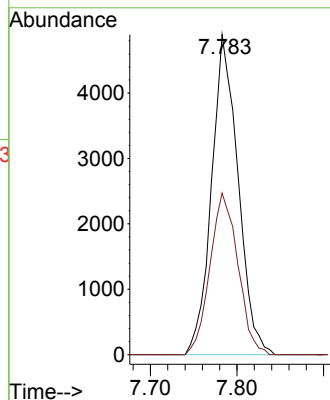
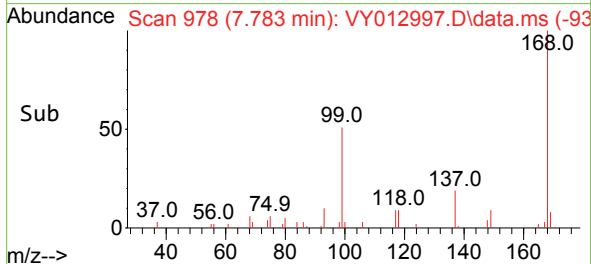


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Instrument :
MSVOA_Y
ClientSampleId :

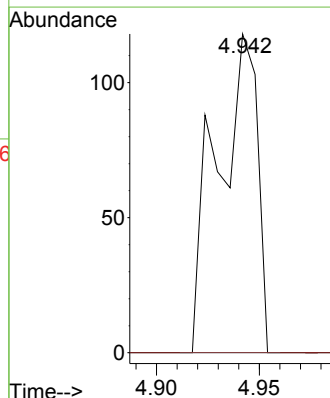
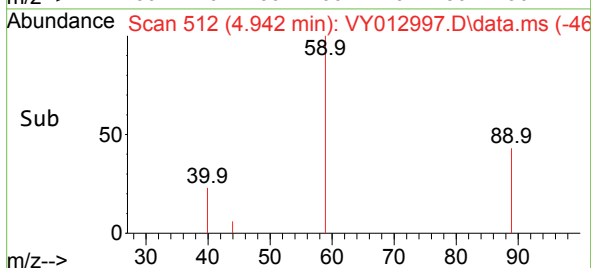
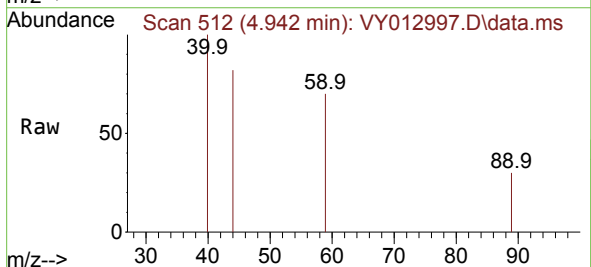


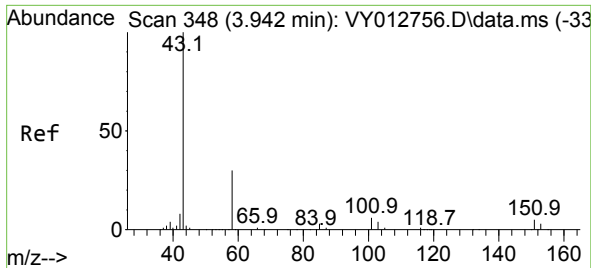
Tgt Ion:168 Resp: 10377
Ion Ratio Lower Upper
168 100
99 50.5 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Tgt Ion: 59 Resp: 160
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#





#16

Acetone

Concen: 11.128 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY012997.D

Acq: 17 Mar 2023 19:19

Instrument :

MSVOA_Y

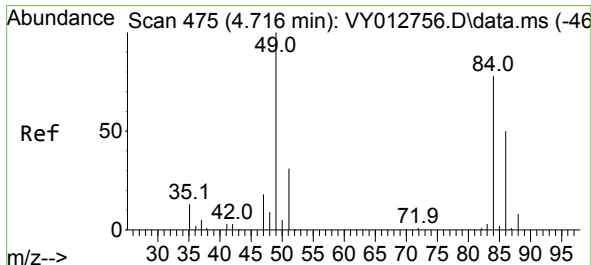
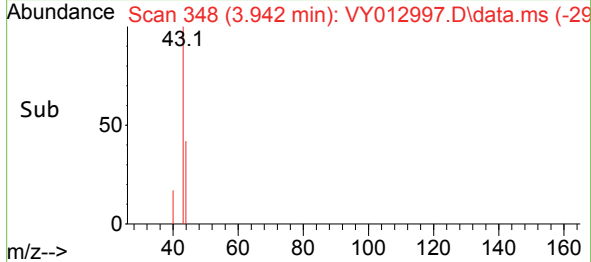
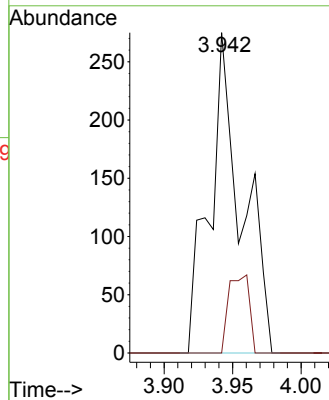
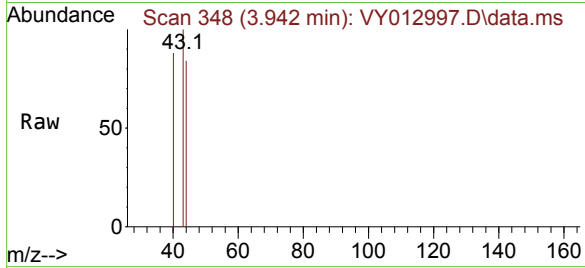
ClientSampleId :

Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#20

Methylene Chloride

Concen: 13.337 ug/l

RT: 4.716 min Scan# 475

Delta R.T. 0.000 min

Lab File: VY012997.D

Acq: 17 Mar 2023 19:19

Tgt Ion: 84 Resp: 2132

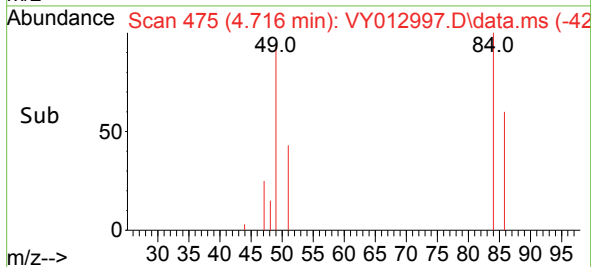
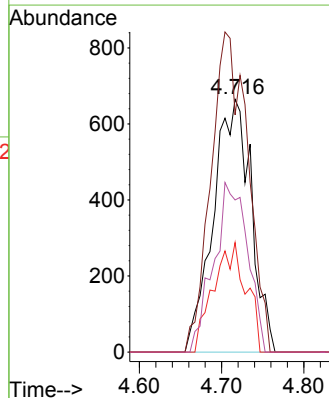
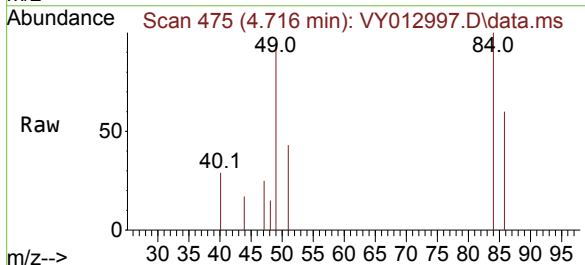
Ion Ratio Lower Upper

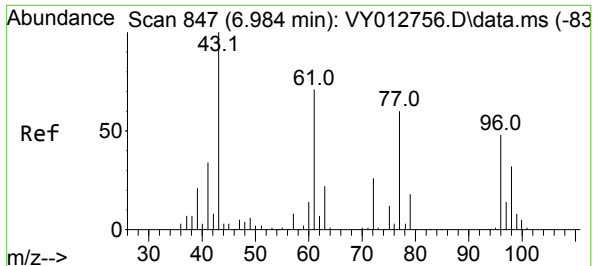
84 100

49 93.8 102.6 154.0#

51 43.3 31.9 47.9

86 60.2 51.0 76.6





#25

2-Butanone

Concen: 3.853 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY012997.D

Acq: 17 Mar 2023 19:19

Instrument :

MSVOA_Y

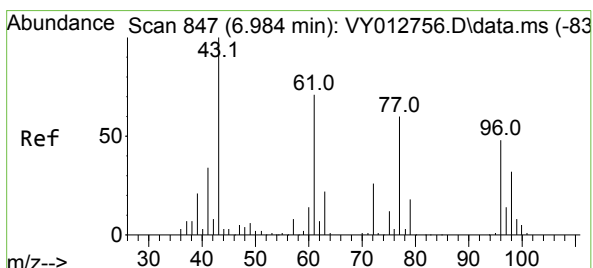
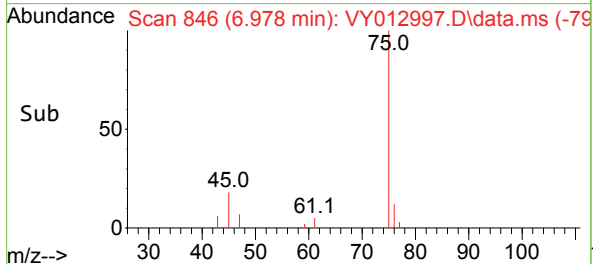
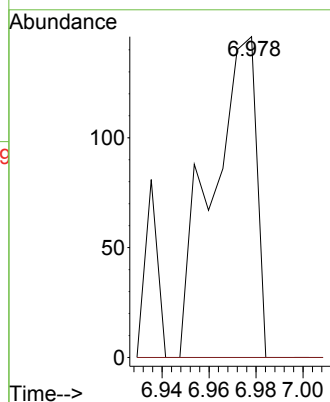
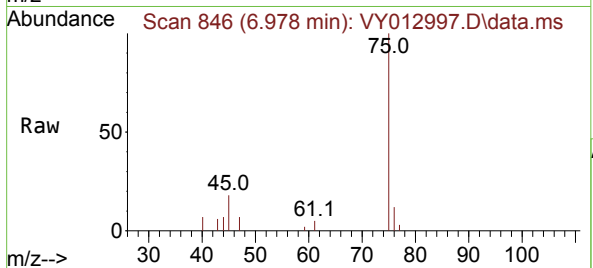
ClientSampleId :

Tgt Ion: 43 Resp: 193

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#26

2,2-Dichloropropane

Concen: 1.290 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.018 min

Lab File: VY012997.D

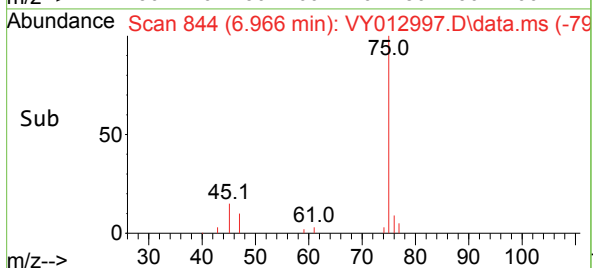
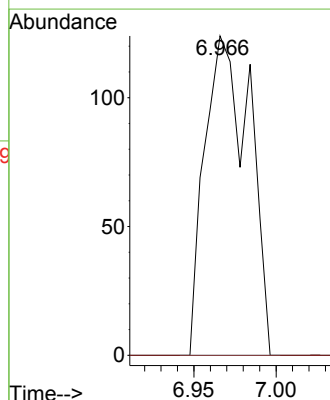
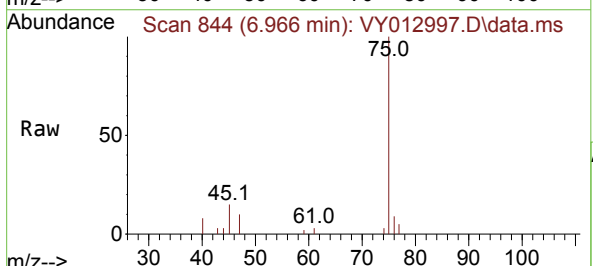
Acq: 17 Mar 2023 19:19

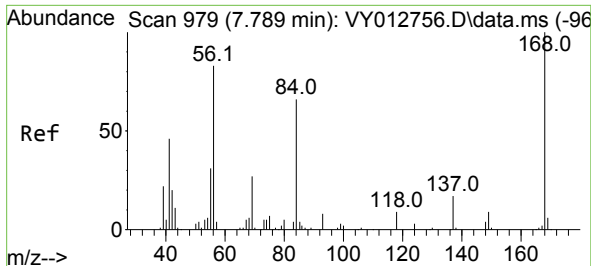
Tgt Ion: 77 Resp: 234

Ion Ratio Lower Upper

77 100

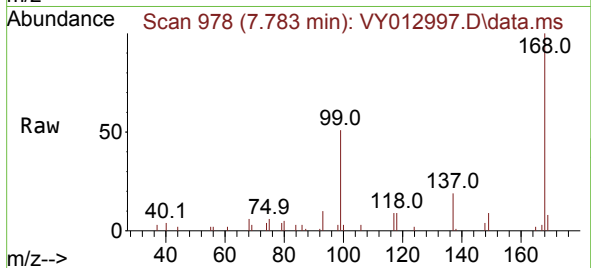
97 0.0 11.7 35.0#



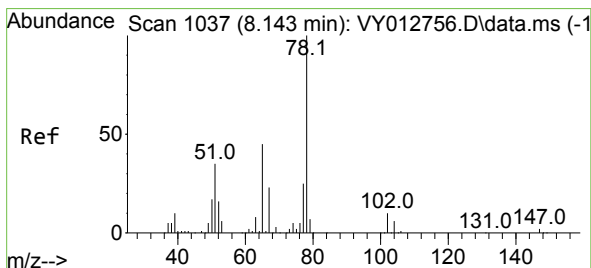
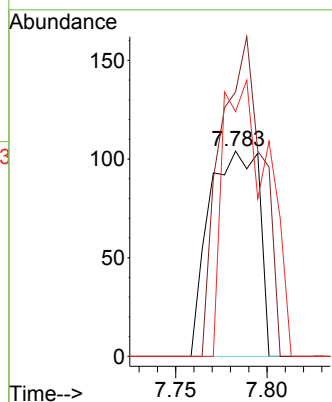
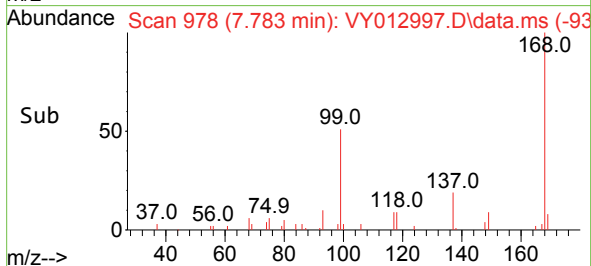


#31
Cyclohexane
Concen: 1.003 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Instrument :
MSVOA_Y
ClientSampleId :

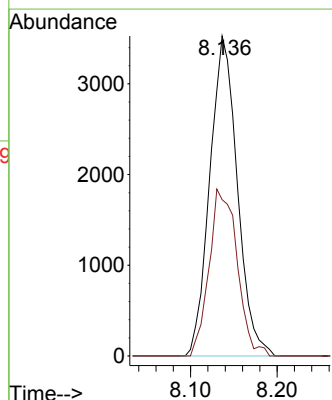
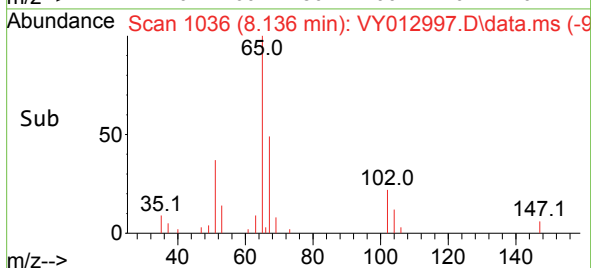
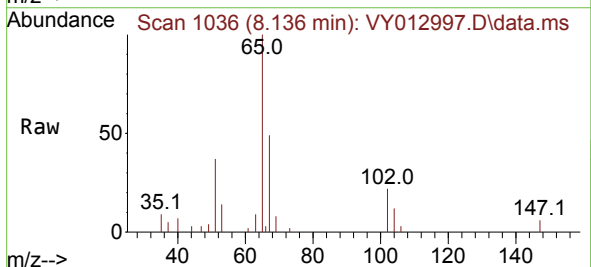


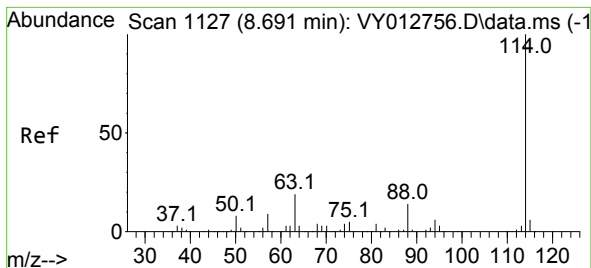
Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
69 128.8 25.7 38.5#
84 119.2 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 75.628 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Tgt Ion: 65 Resp: 7792
Ion Ratio Lower Upper
65 100
67 53.0 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: VY012997.D

Acq: 17 Mar 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

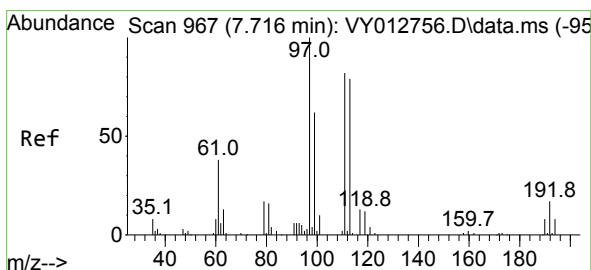
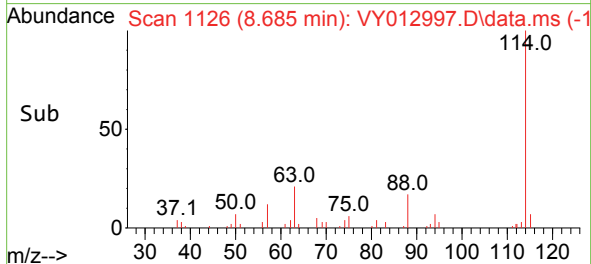
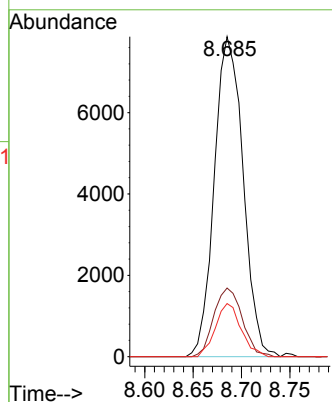
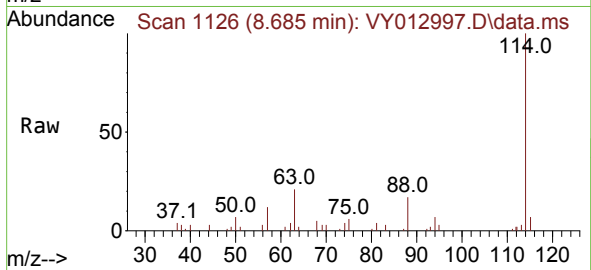
Tgt Ion:114 Resp: 16225

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 16.6 0.0 28.6



#35

Dibromofluoromethane

Concen: 62.716 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY012997.D

Acq: 17 Mar 2023 19:19

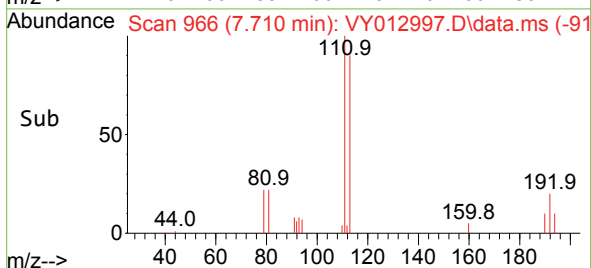
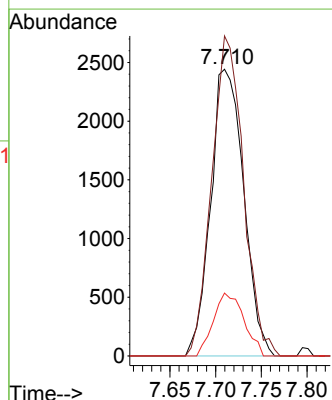
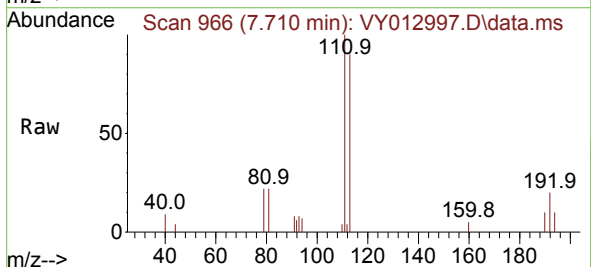
Tgt Ion:113 Resp: 6141

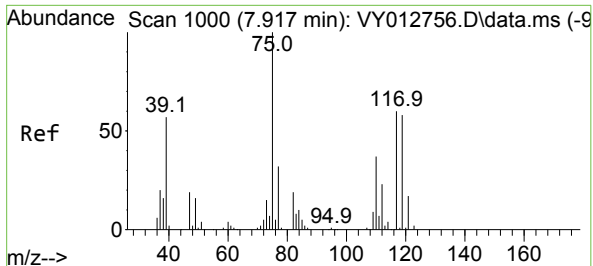
Ion Ratio Lower Upper

113 100

111 106.7 82.2 123.2

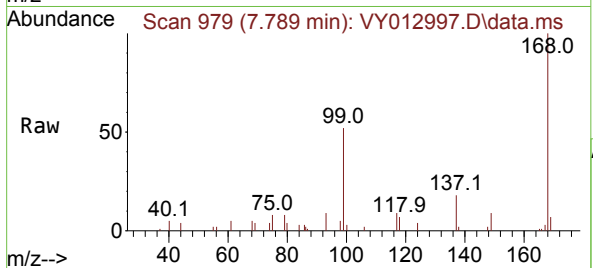
192 20.2 16.8 25.2



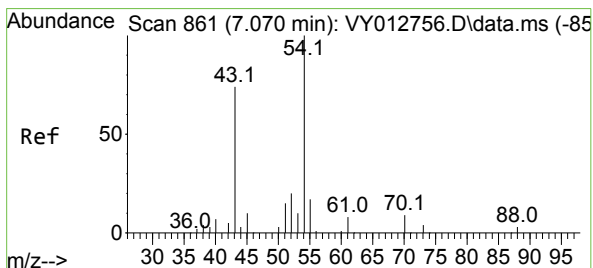
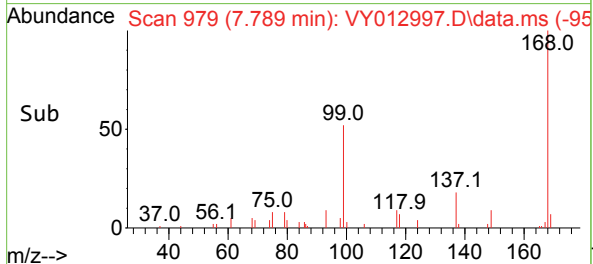
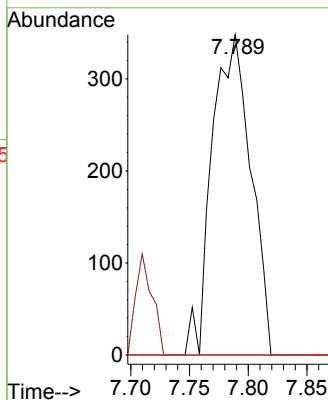


#36
1,1-Dichloropropene
Concen: 4.857 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Instrument :
MSVOA_Y
ClientSampleId :

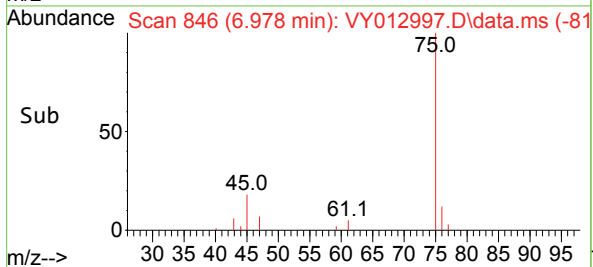
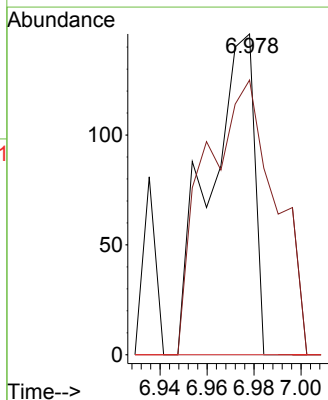
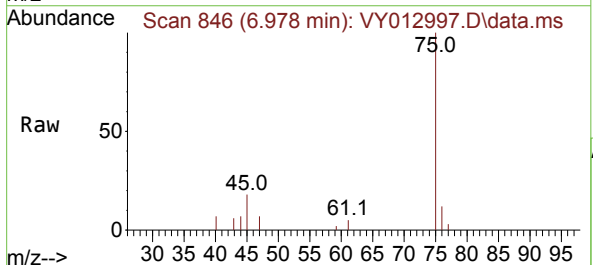


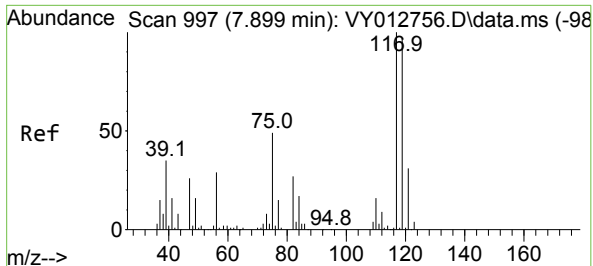
Tgt Ion: 75 Resp: 797
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.3#
77 0.0 25.0 37.4#



#37
Ethyl Acetate
Concen: 1.866 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

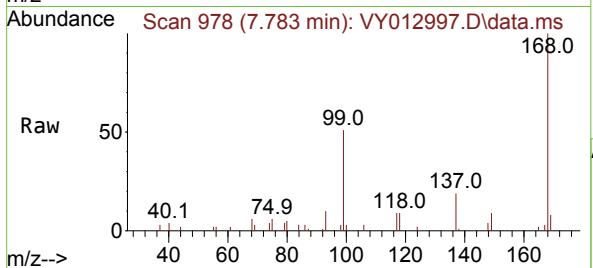
Tgt Ion: 43 Resp: 193
Ion Ratio Lower Upper
43 100
61 134.7 10.7 16.1#
70 0.0 7.8 11.8#



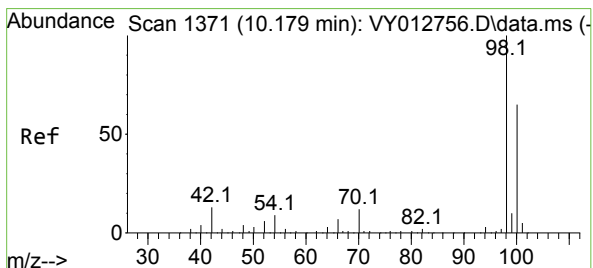
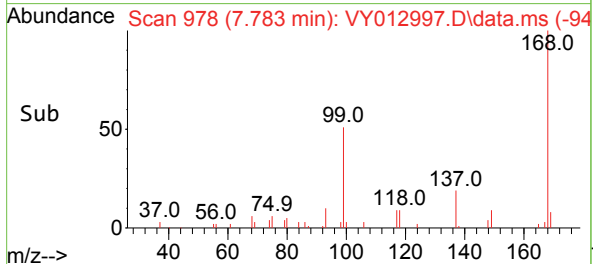
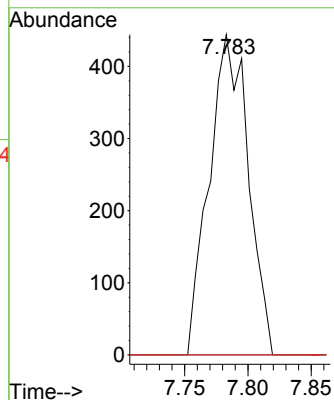


#38
Carbon Tetrachloride
Concen: 5.624 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Instrument :
MSVOA_Y
ClientSampleId :

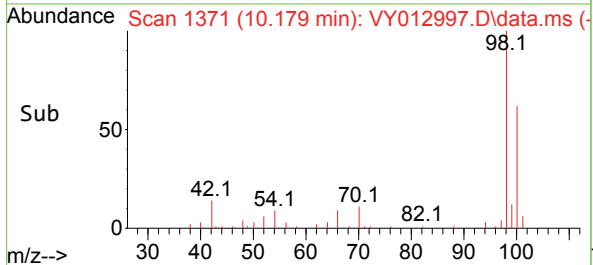
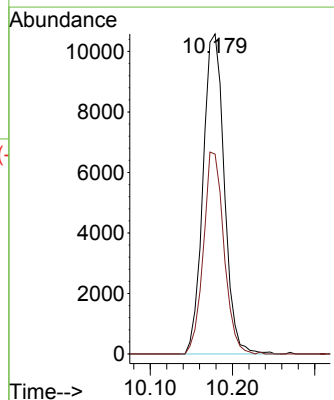
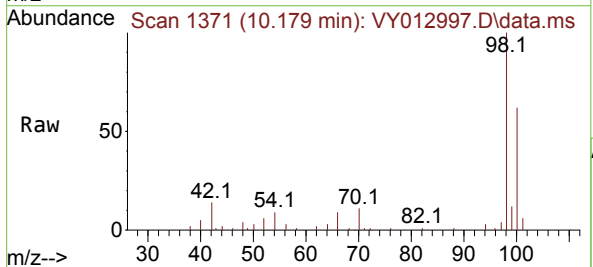


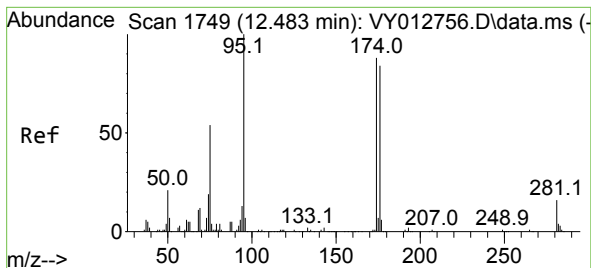
Tgt Ion:117 Resp: 953
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 52.938 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Tgt Ion: 98 Resp: 18950
Ion Ratio Lower Upper
98 100
100 61.1 50.9 76.3

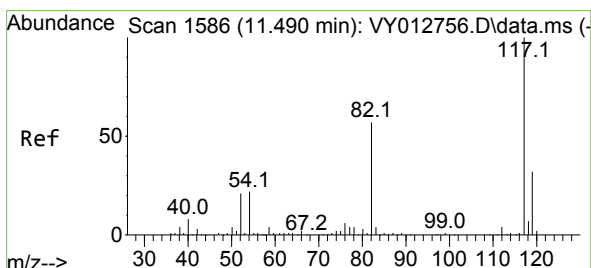
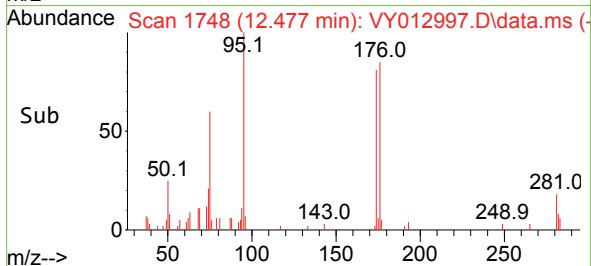
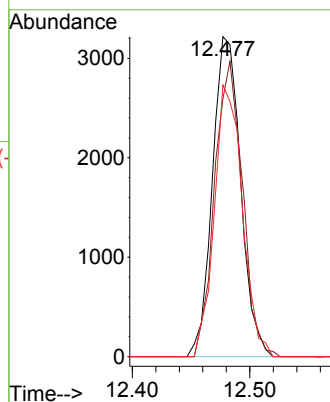
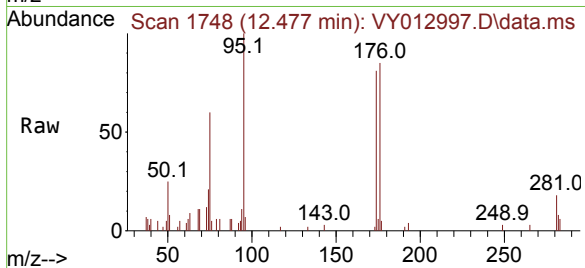




#62
4-Bromofluorobenzene
Concen: 44.338 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

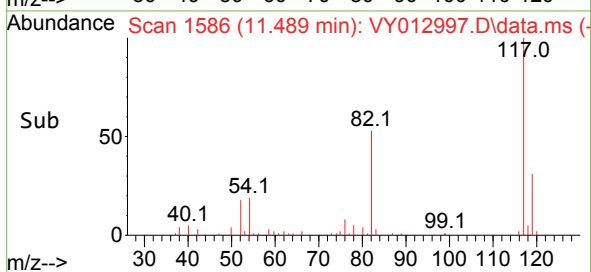
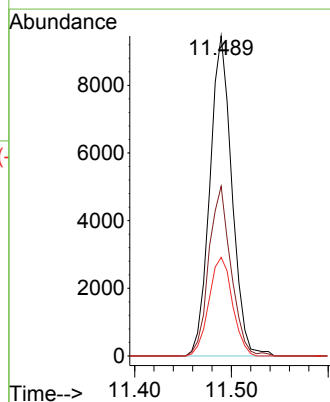
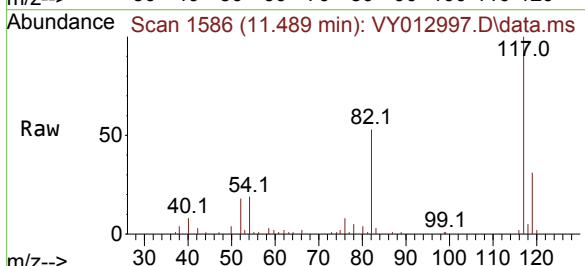
Instrument :
MSVOA_Y
ClientSampleId :

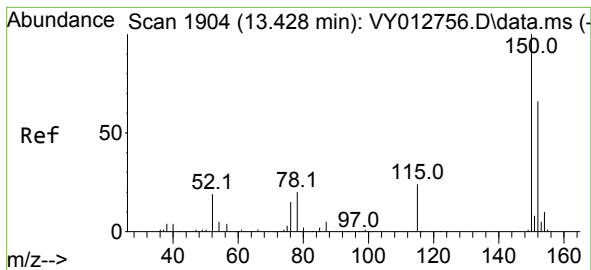
Tgt Ion: 95 Resp: 5357
Ion Ratio Lower Upper
95 100
174 91.0 0.0 176.6
176 84.5 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012997.D
Acq: 17 Mar 2023 19:19

Tgt Ion: 117 Resp: 14972
Ion Ratio Lower Upper
117 100
82 53.1 45.4 68.0
119 30.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012997.D

Acq: 17 Mar 2023 19:19

Instrument :

MSVOA_Y

ClientSampleId :

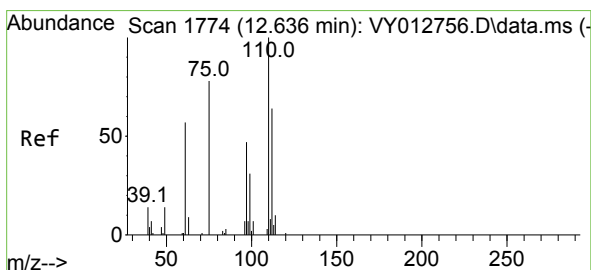
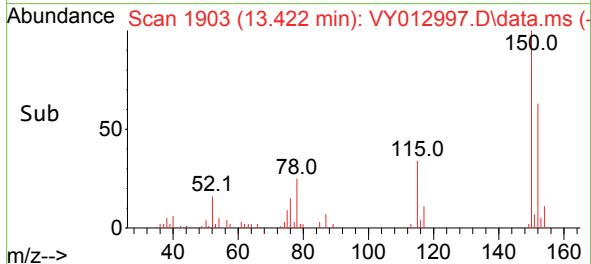
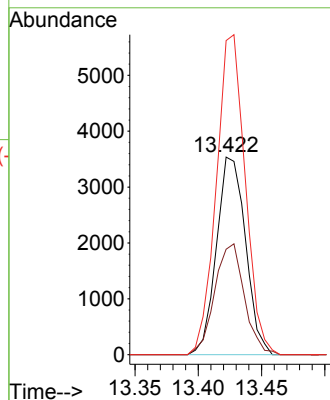
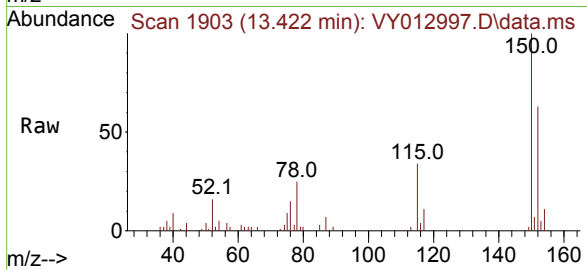
Tgt Ion:152 Resp: 5644

Ion Ratio Lower Upper

152 100

115 57.3 27.1 81.3

150 160.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 43.784 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY012997.D

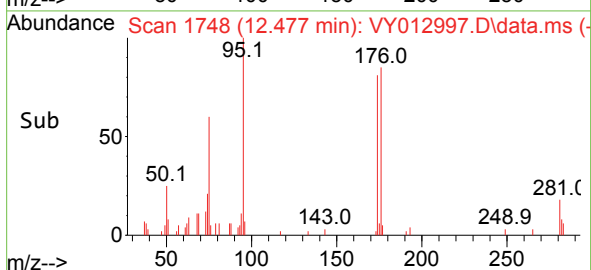
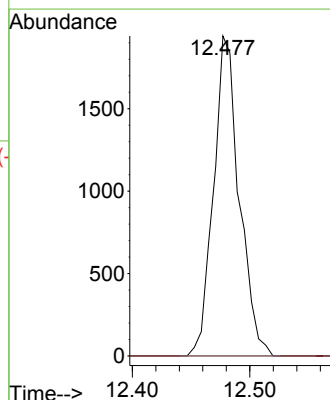
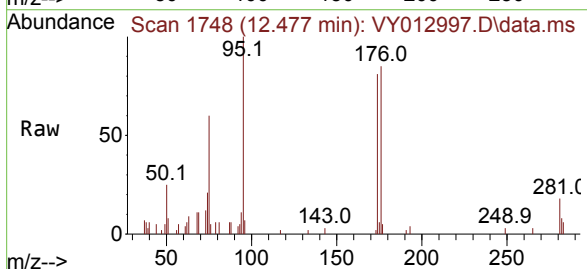
Acq: 17 Mar 2023 19:19

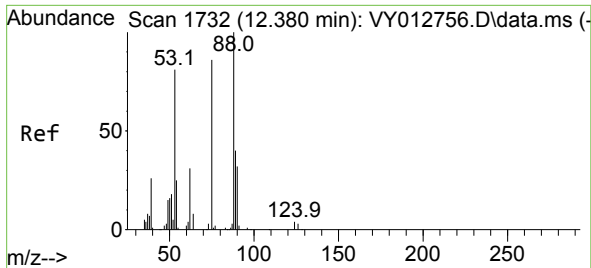
Tgt Ion: 75 Resp: 2951

Ion Ratio Lower Upper

75 100

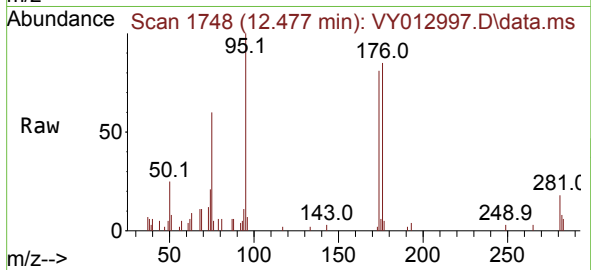
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.723 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY012997.D
 Acq: 17 Mar 2023 19:19

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	75	Resp:	2951
Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.4	110.0#
89	0.0	36.6	55.0#

