

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042523\
 Data File : VY013454.D
 Acq On : 25 Apr 2023 18:13
 Operator : KP/MD
 Sample : 02484-30RE
 Misc : 3.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-8WC-23-04-17

Quant Time: Apr 26 02:53:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:39:58 2023
 Response via : Initial Calibration

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

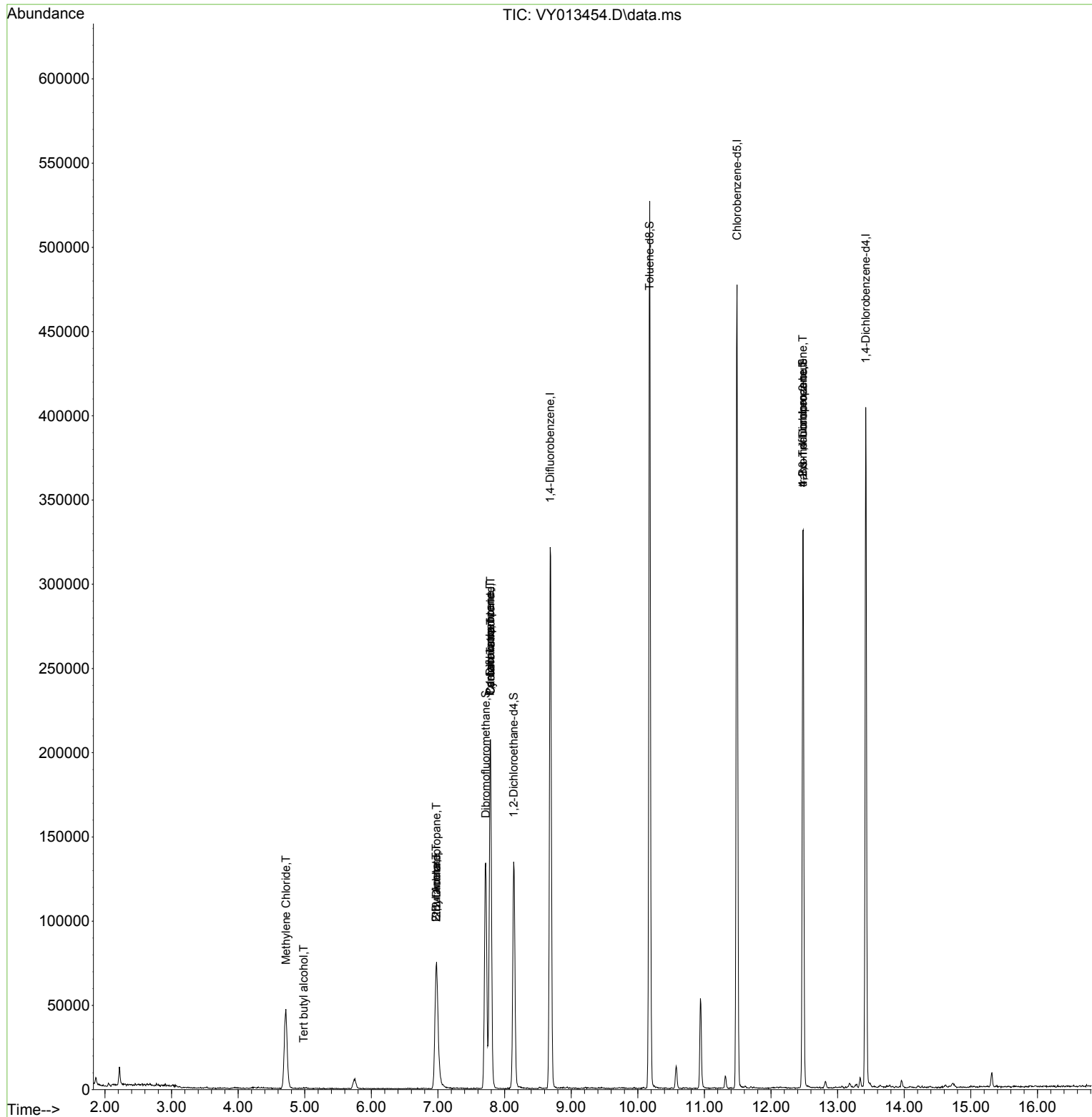
Internal Standards						
1) Pentafluorobenzene	7.783	168	163062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	271813	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	249314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	100839	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	108314	60.595	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.180%	
35) Dibromofluoromethane	7.716	113	96034	56.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.340%	
50) Toluene-d8	10.179	98	327149	53.793	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.580%	
62) 4-Bromofluorobenzene	12.477	95	96245	46.942	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.985	59	368	2.473	ug/l #	96
13) Acrolein	3.570	56	19	Below Cal	#	16
20) Methylene Chloride	4.716	84	34597	9.065	ug/l	97
25) 2-Butanone	6.972	43	4794	5.370	ug/l #	67
26) 2,2-Dichloropropane	6.978	77	6664	2.258	ug/l #	52
31) Cyclohexane	7.789	56	3589	1.121	ug/l #	21
36) 1,1-Dichloropropene	7.783	75	13039	4.596	ug/l #	49
37) Ethyl Acetate	6.972	43	4794	2.245	ug/l #	1
38) Carbon Tetrachloride	7.789	117	16681	5.609	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	51578	37.927	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51578	77.581	ug/l #	13

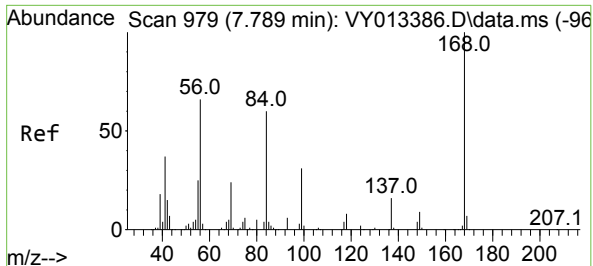
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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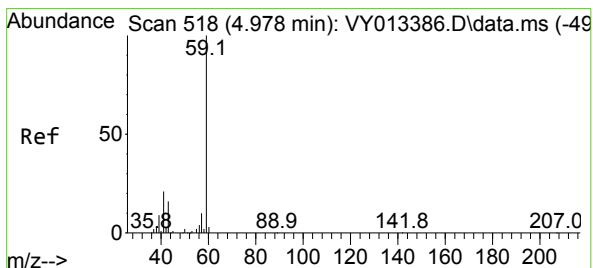
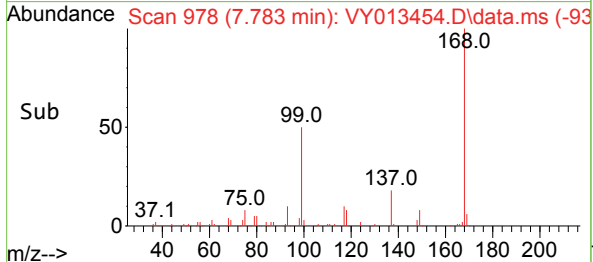
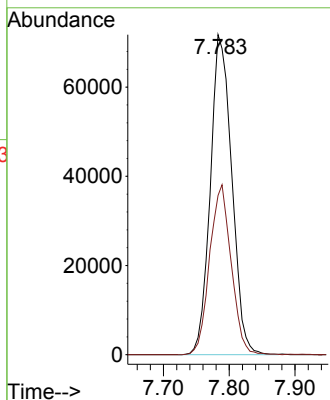
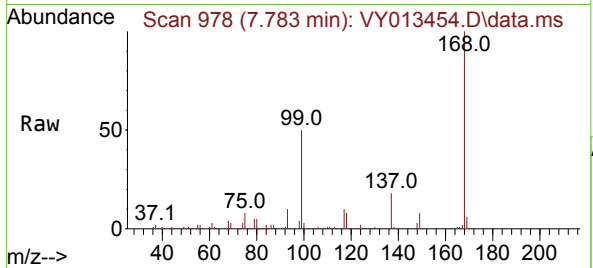




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

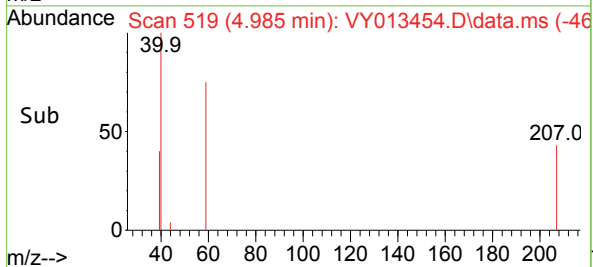
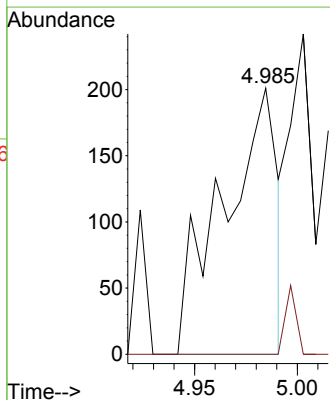
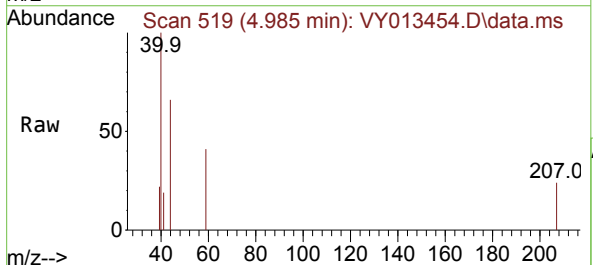
Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

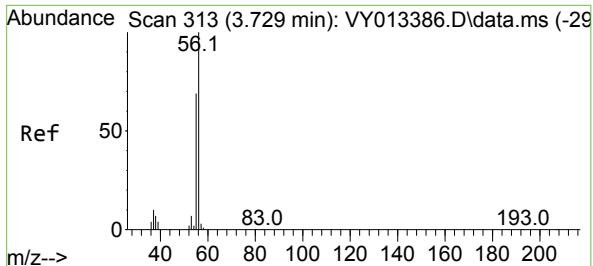
Tgt Ion:168 Resp: 163062
Ion Ratio Lower Upper
168 100
99 49.7 41.8 62.6



#11
Tert butyl alcohol
Concen: 2.473 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.007 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion: 59 Resp: 368
Ion Ratio Lower Upper
59 100
57 5.2 3.0 4.4#

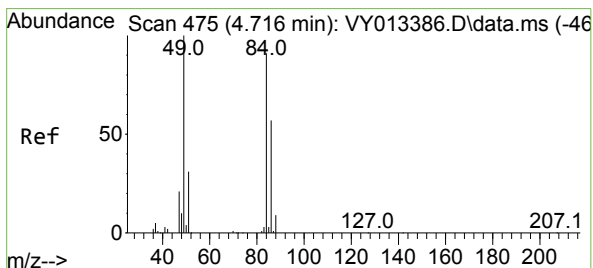
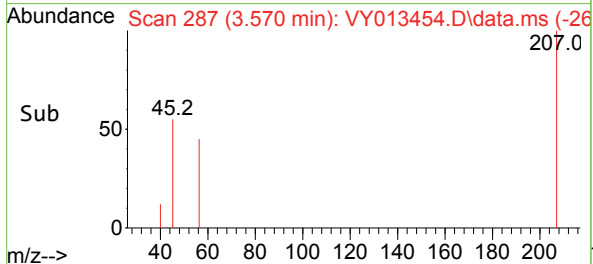
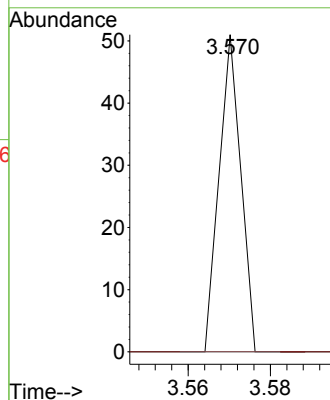
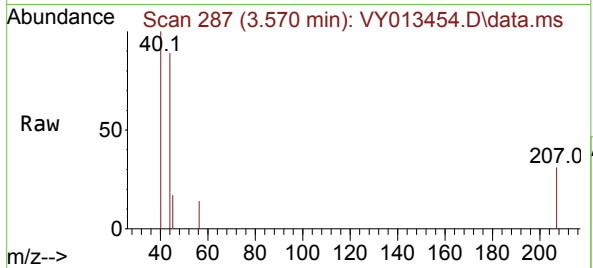




#13
Acrolein
Concen: Below Cal
RT: 3.570 min Scan# 21
Delta R.T. -0.159 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

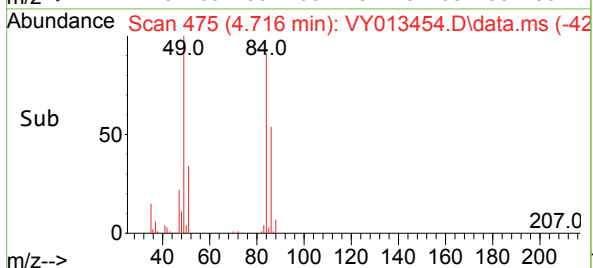
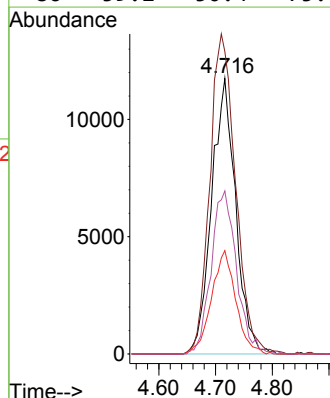
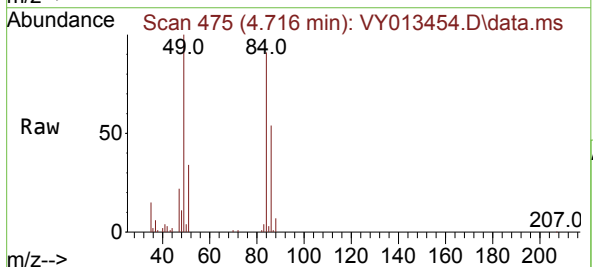
Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

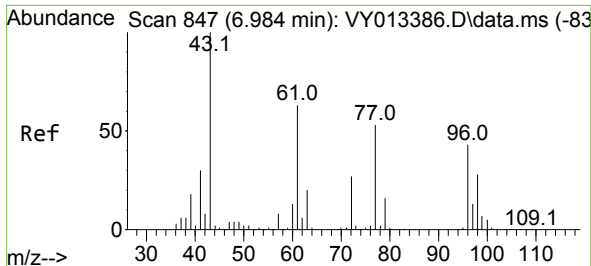
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#20
Methylene Chloride
Concen: 9.065 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion: 84 Resp: 34597
Ion Ratio Lower Upper
84 100
49 109.8 88.0 132.0
51 37.5 27.4 41.0
86 59.2 50.4 75.6





#25

2-Butanone

Concen: 5.370 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY013454.D

Acq: 25 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

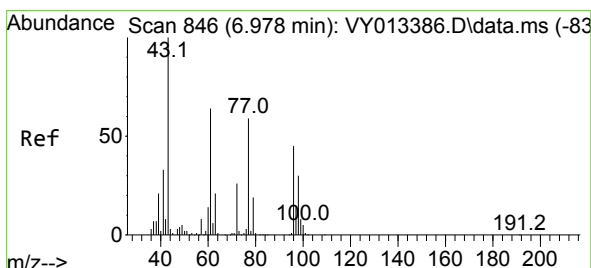
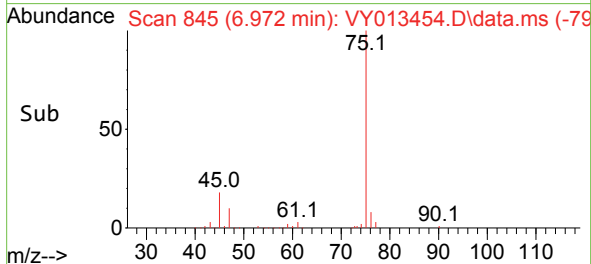
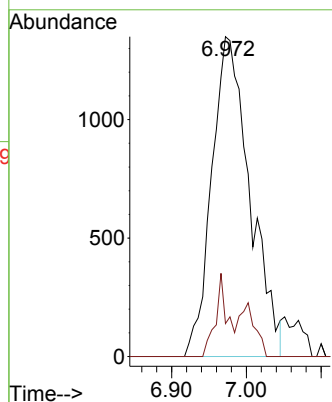
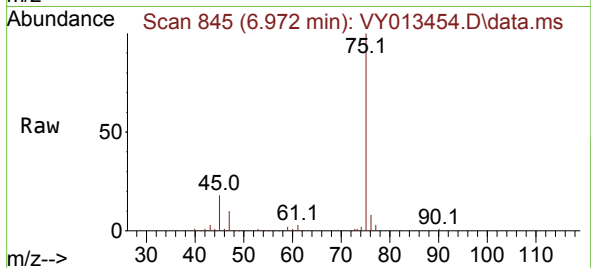
SPB-8WC-23-04-17

Tgt Ion: 43 Resp: 4794

Ion Ratio Lower Upper

43 100

72 10.3 21.9 32.9#



#26

2,2-Dichloropropane

Concen: 2.258 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY013454.D

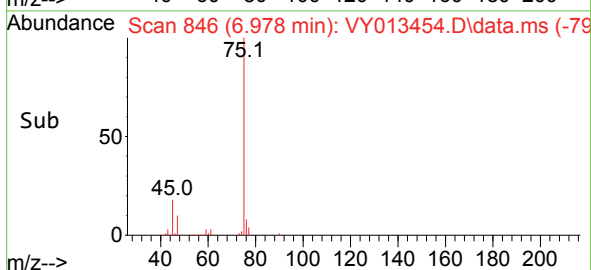
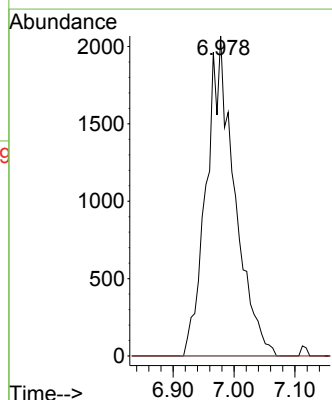
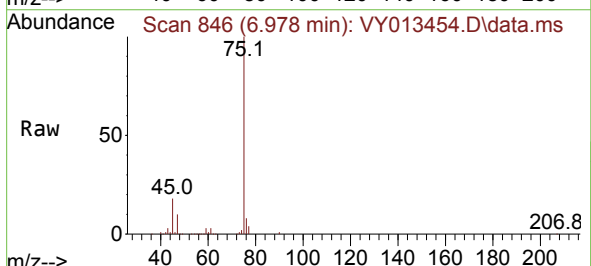
Acq: 25 Apr 2023 18:13

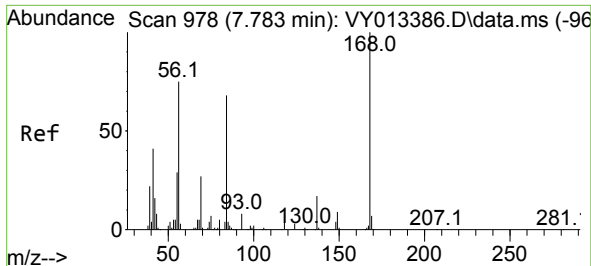
Tgt Ion: 77 Resp: 6664

Ion Ratio Lower Upper

77 100

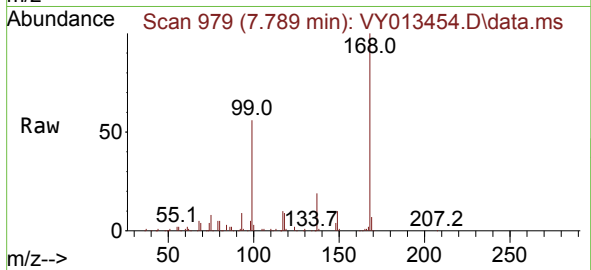
97 0.0 11.8 35.4#



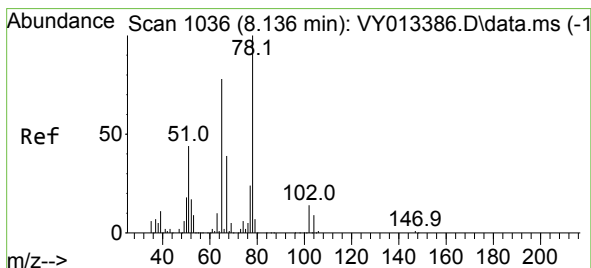
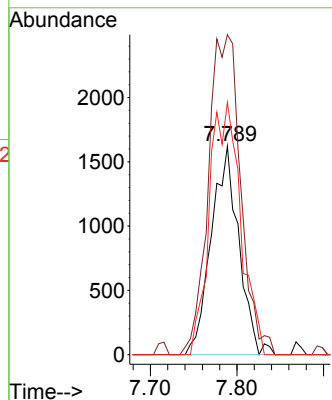
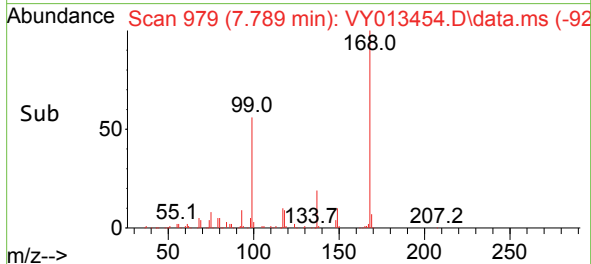


#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

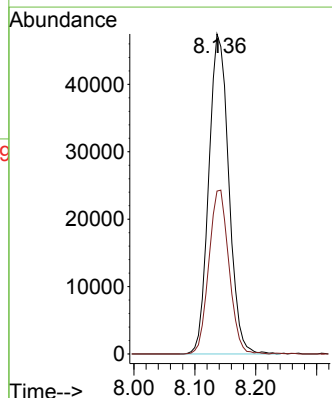
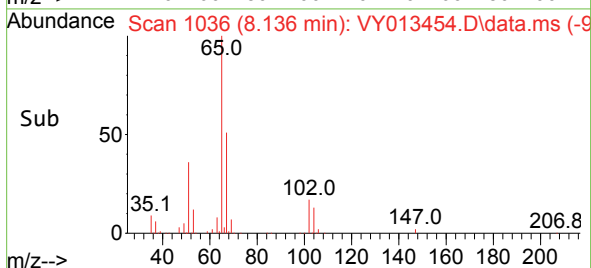
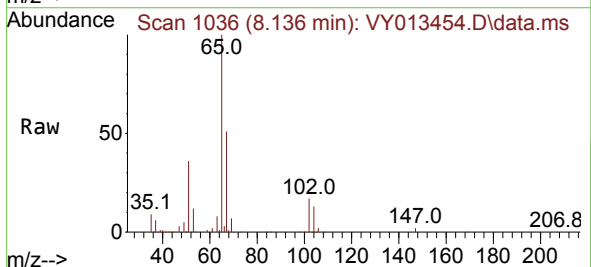


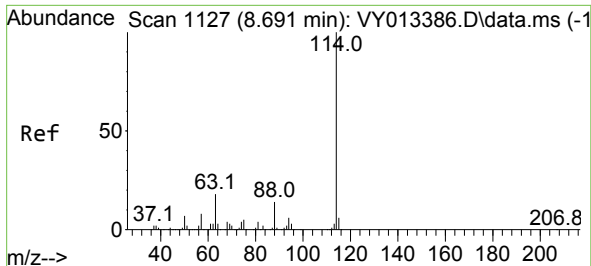
Tgt Ion: 56 Resp: 3589
Ion Ratio Lower Upper
56 100
69 153.5 29.2 43.8#
84 121.1 73.0 109.6#



#33
1,2-Dichloroethane-d4
Concen: 60.595 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion: 65 Resp: 108314
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.4

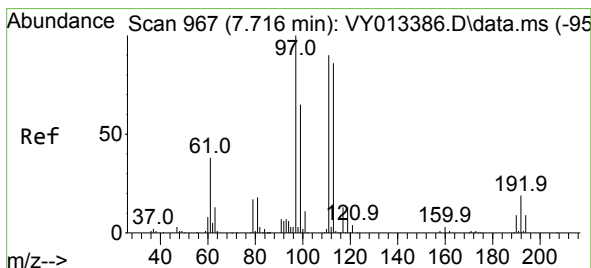
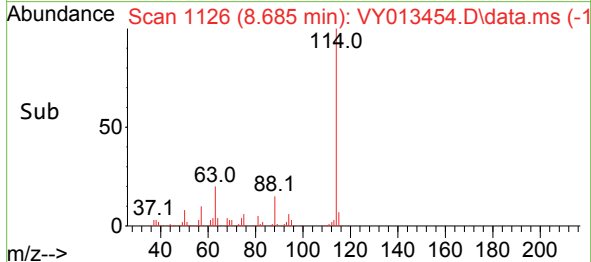
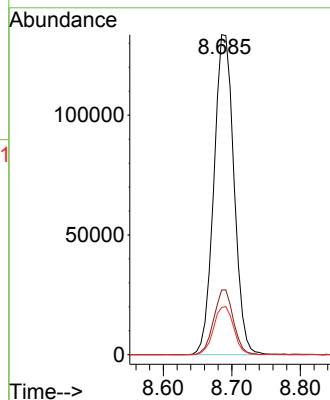
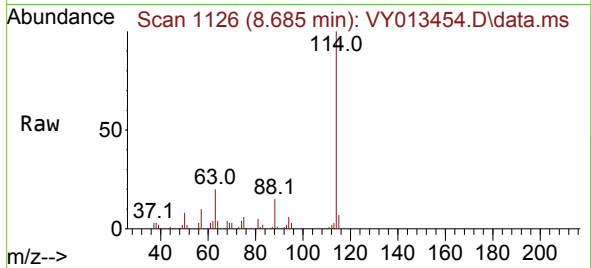




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

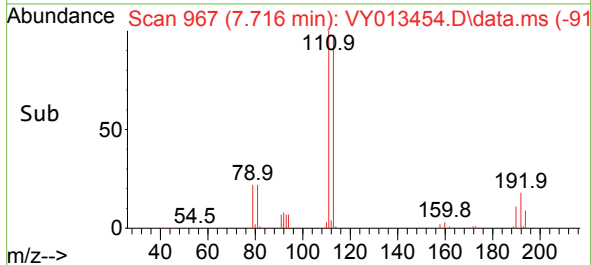
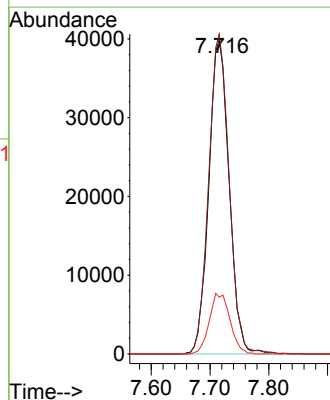
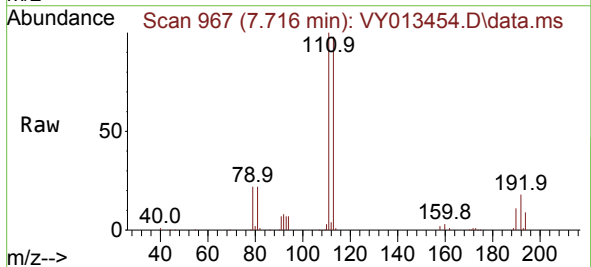
Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

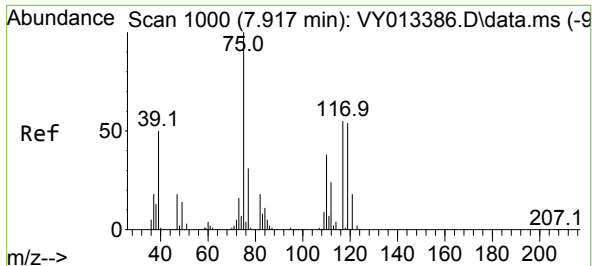
Tgt Ion:114 Resp: 271813
Ion Ratio Lower Upper
114 100
63 20.2 0.0 36.6
88 14.7 0.0 28.8



#35
Dibromofluoromethane
Concen: 56.174 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion:113 Resp: 96034
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 19.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.596 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY013454.D

Acq: 25 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SPB-8WC-23-04-17

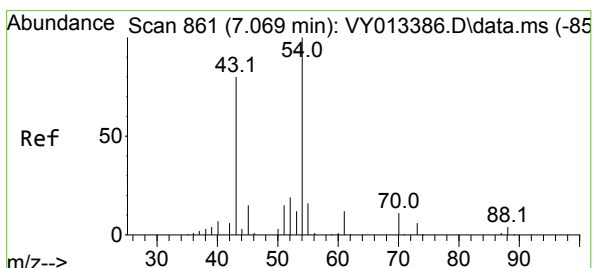
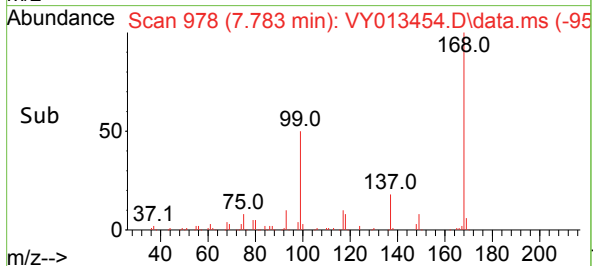
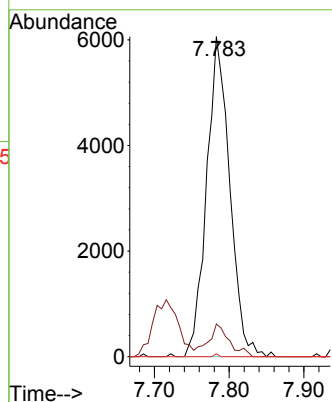
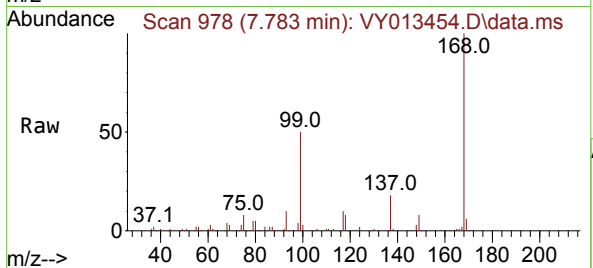
Tgt Ion: 75 Resp: 13039

Ion Ratio Lower Upper

75 100

110 9.3 18.7 56.1#

77 0.2 24.6 37.0#



#37

Ethyl Acetate

Concen: 2.245 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.097 min

Lab File: VY013454.D

Acq: 25 Apr 2023 18:13

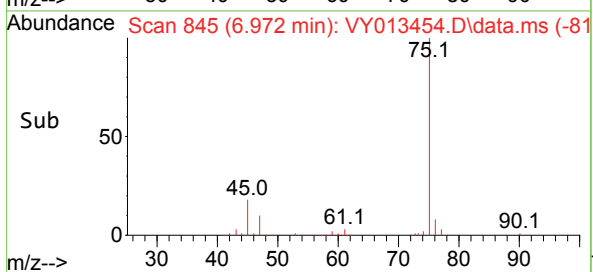
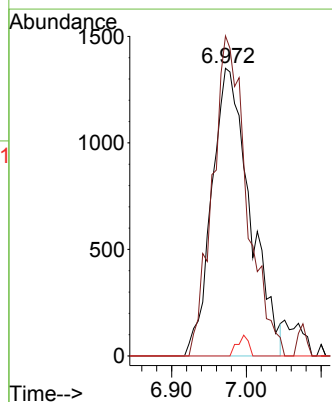
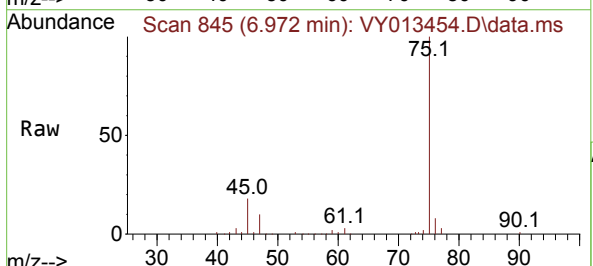
Tgt Ion: 43 Resp: 4794

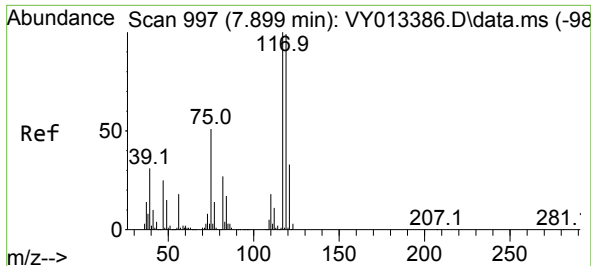
Ion Ratio Lower Upper

43 100

61 100.0 11.4 17.0#

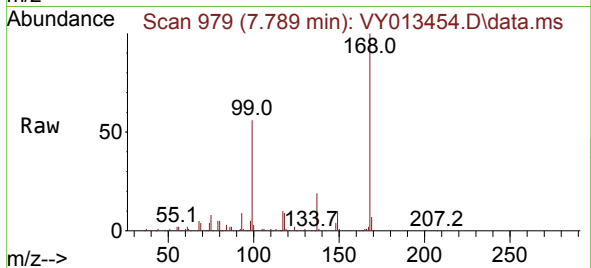
70 0.0 7.9 11.9#



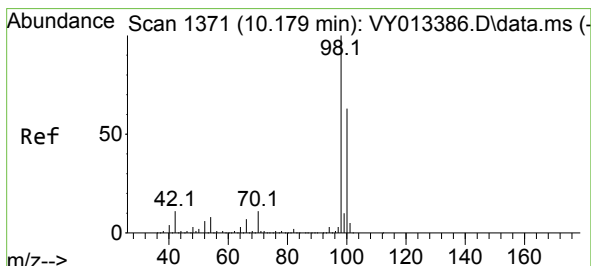
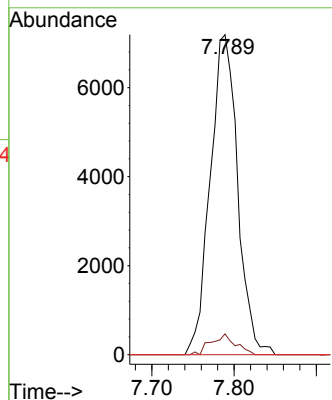
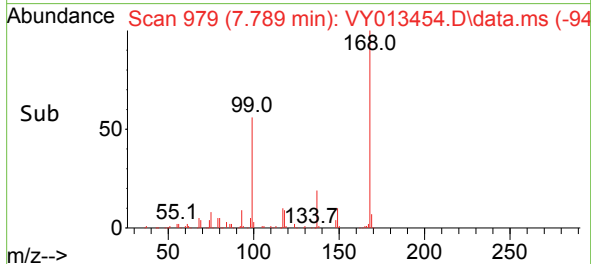


#38
Carbon Tetrachloride
Concen: 5.609 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

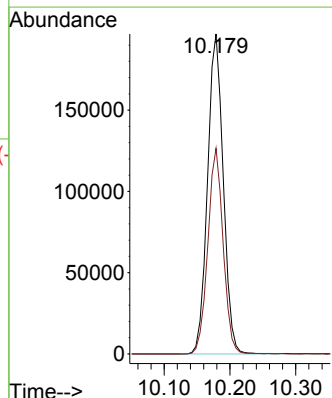
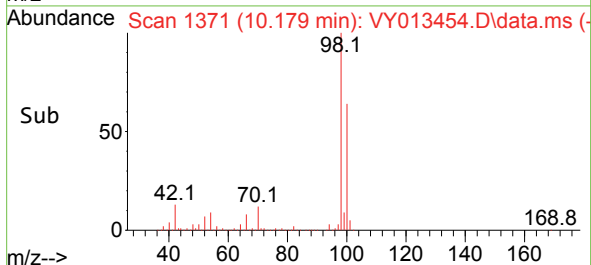
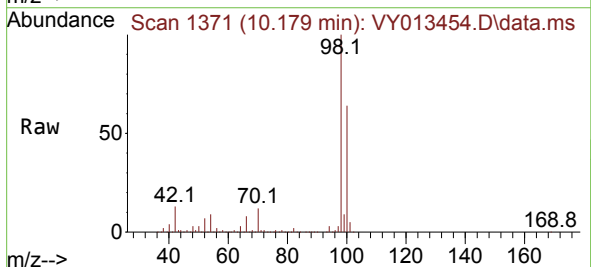


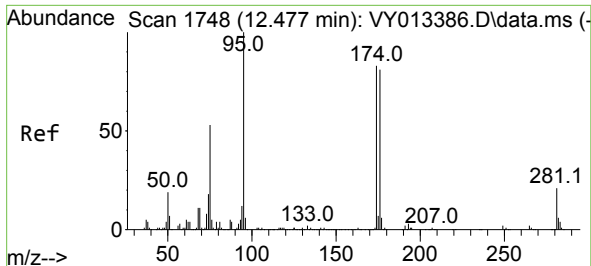
Tgt Ion:117 Resp: 16681
Ion Ratio Lower Upper
117 100
119 6.5 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 53.793 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion: 98 Resp: 327149
Ion Ratio Lower Upper
98 100
100 62.5 50.5 75.7

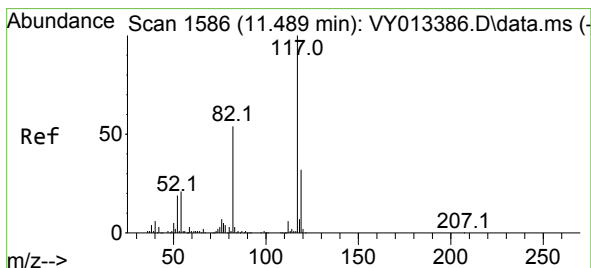
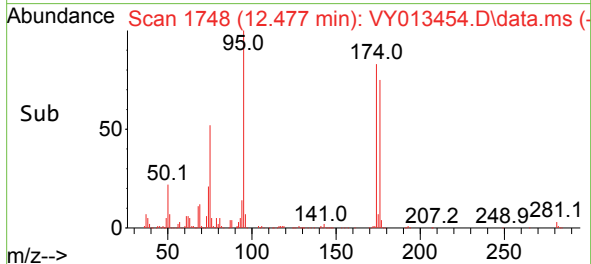
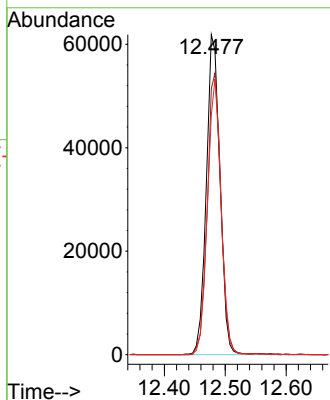
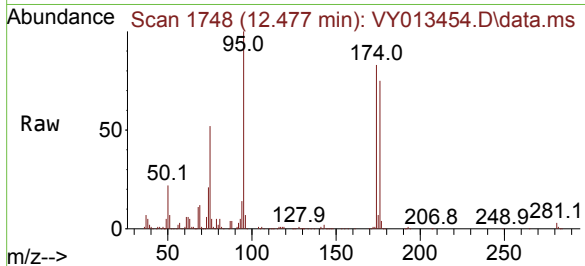




#62
4-Bromofluorobenzene
Concen: 46.942 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

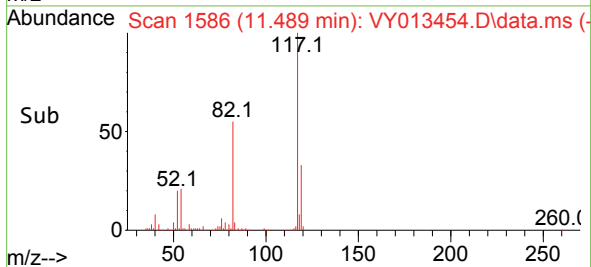
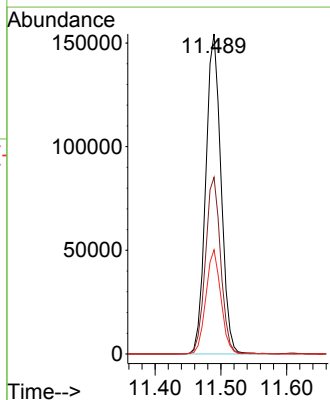
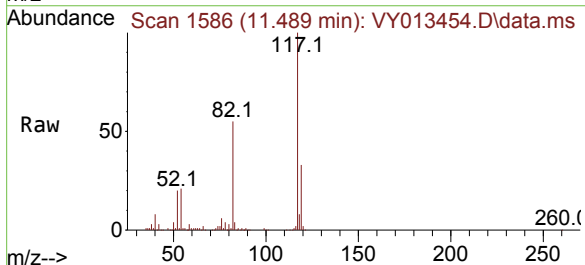
Instrument :
MSVOA_Y
ClientSampleId :
SPB-8WC-23-04-17

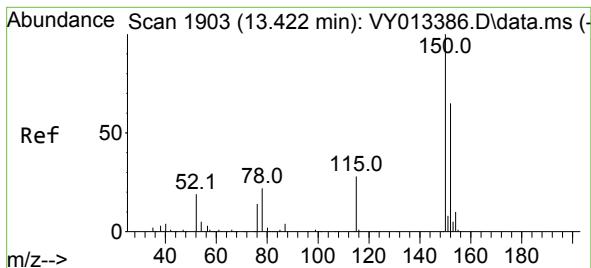
Tgt Ion: 95 Resp: 96245
Ion Ratio Lower Upper
95 100
174 88.7 0.0 182.0
176 85.4 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013454.D
Acq: 25 Apr 2023 18:13

Tgt Ion: 117 Resp: 249314
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.6
119 32.6 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013454.D

Acq: 25 Apr 2023 18:13

Instrument :

MSVOA_Y

ClientSampleId :

SPB-8WC-23-04-17

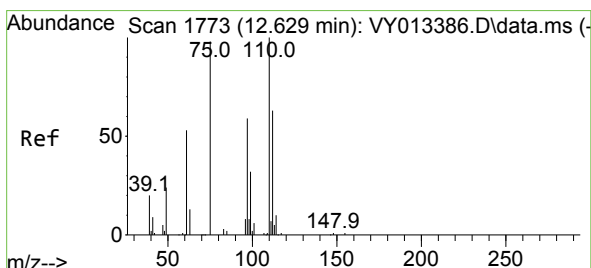
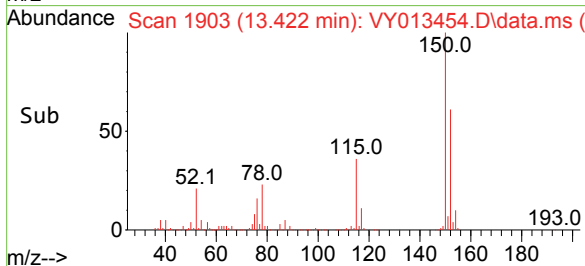
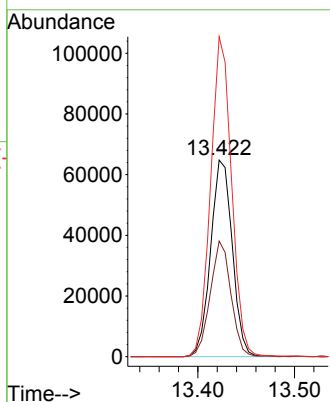
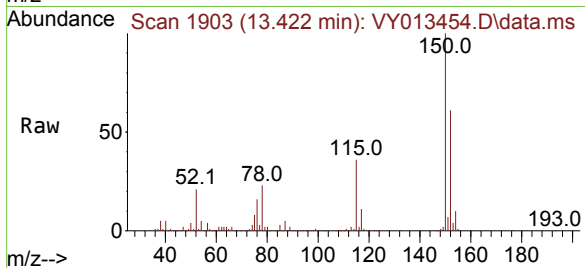
Tgt Ion:152 Resp: 100839

Ion Ratio Lower Upper

152 100

115 56.4 28.1 84.2

150 157.5 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 37.927 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013454.D

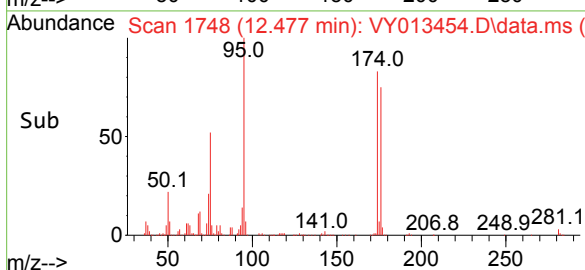
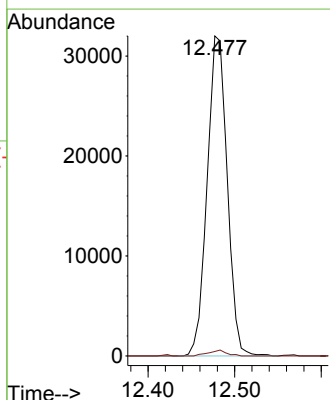
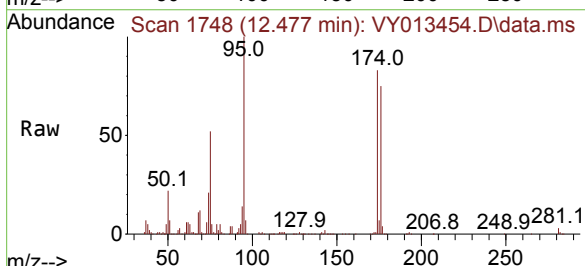
Acq: 25 Apr 2023 18:13

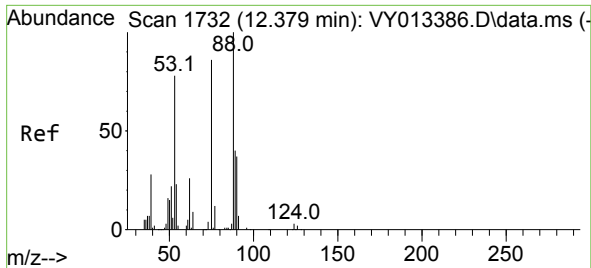
Tgt Ion: 75 Resp: 51578

Ion Ratio Lower Upper

75 100

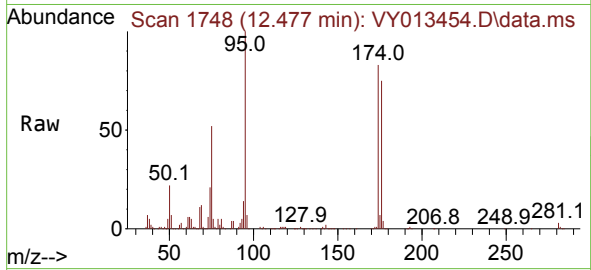
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.581 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013454.D
 Acq: 25 Apr 2023 18:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-8WC-23-04-17



Tgt Ion:	75	Resp:	51578
Ion	Ratio	Lower	Upper
75	100		
53	0.3	73.2	109.8#
89	0.0	38.0	57.0#

