

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013427.D
 Acq On : 25 Apr 2023 04:38
 Operator : KP/MD
 Sample : 02389-26
 Misc : 3.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-7WC-23-04-17

Quant Time: Apr 25 07:16:16 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)

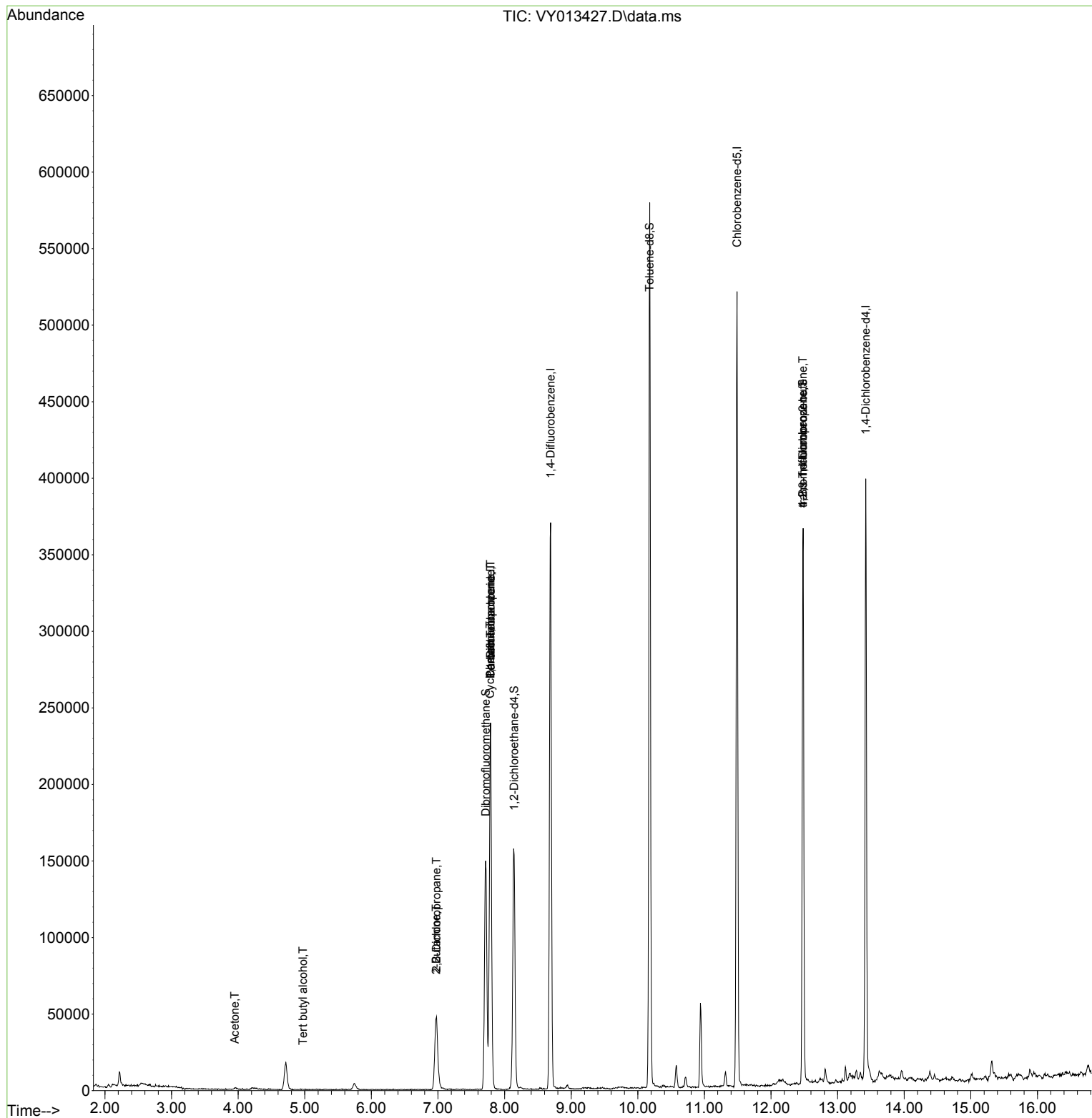
Internal Standards						
1) Pentafluorobenzene	7.789	168	182020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	311524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	270313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	126424	63.360	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.720%	
35) Dibromofluoromethane	7.716	113	108564	55.408	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.820%	
50) Toluene-d8	10.179	98	364403	52.280	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.560%	
62) 4-Bromofluorobenzene	12.477	95	104451	44.451	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.900%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.972	59	88	1.040	ug/l #	89
13) Acrolein	3.716	56	23	Below Cal	#	1
16) Acetone	3.948	43	2057	2.618	ug/l #	84
20) Methylene Chloride	4.710	84	12103	Below Cal		95
25) 2-Butanone	6.972	43	2973	2.983	ug/l #	64
26) 2,2-Dichloropropane	6.978	77	4080	1.238	ug/l #	52
31) Cyclohexane	7.783	56	3953	1.107	ug/l #	12
36) 1,1-Dichloropropene	7.789	75	14302	4.398	ug/l #	49
38) Carbon Tetrachloride	7.789	117	18532	5.437	ug/l #	14
76) 1,2,3-Trichloropropane	12.477	75	55975	43.354	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55975	88.683	ug/l #	13

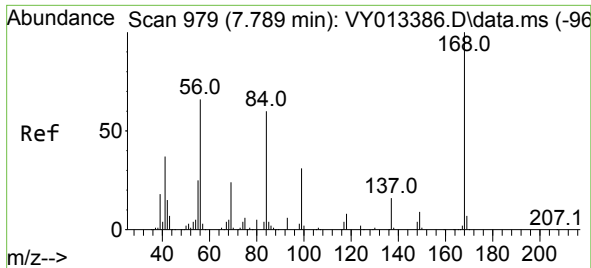
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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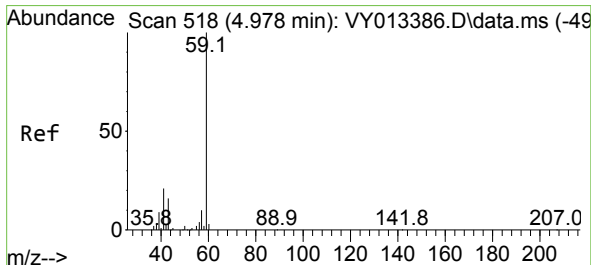
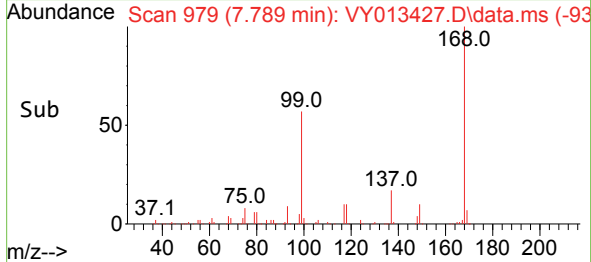
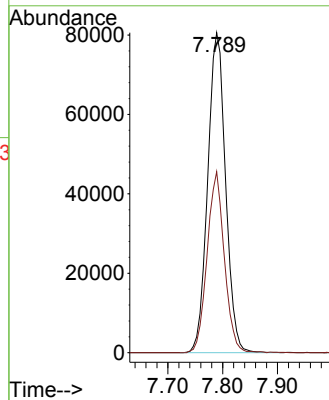
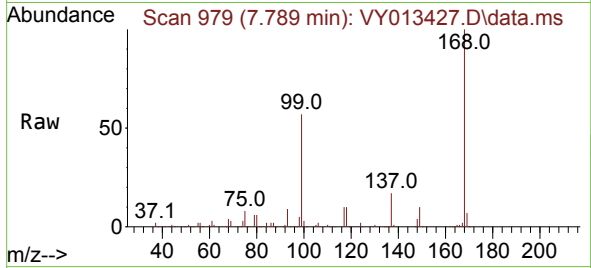




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

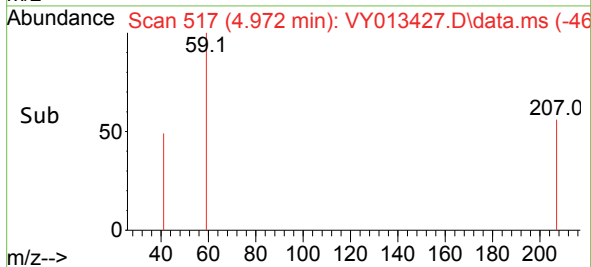
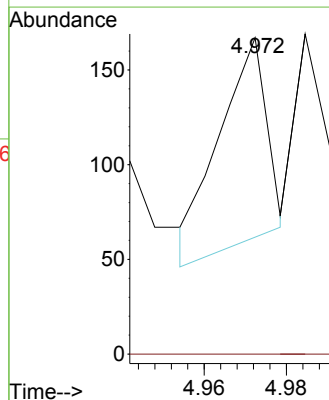
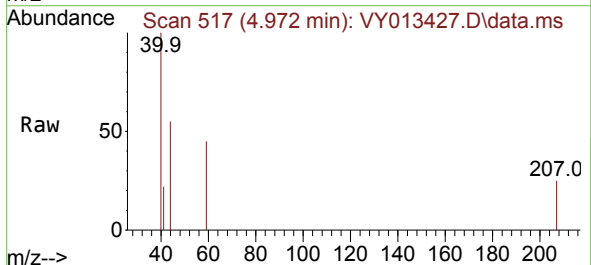
Instrument :
MSVOA_Y
ClientSampleId :
SPB-7WC-23-04-17

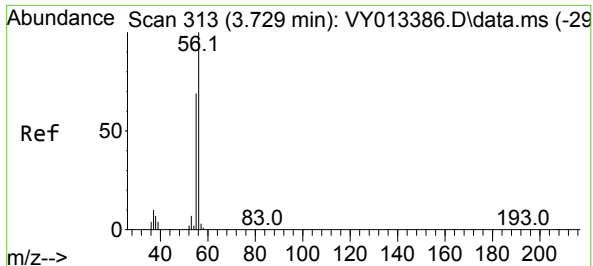
Tgt Ion:168 Resp: 182020
Ion Ratio Lower Upper
168 100
99 56.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 1.040 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

Tgt Ion: 59 Resp: 88
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

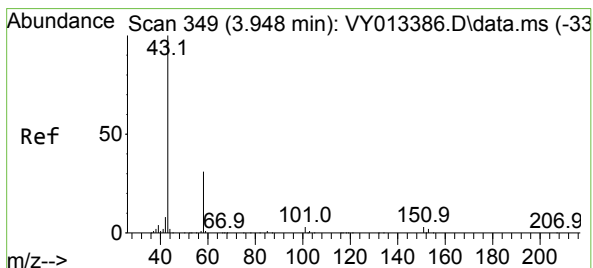
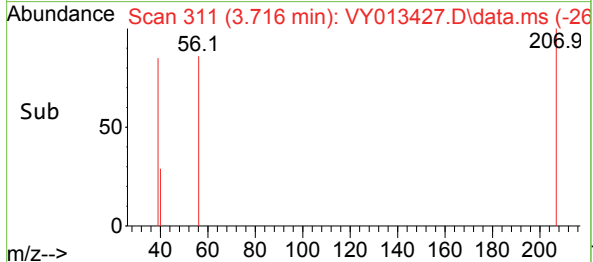
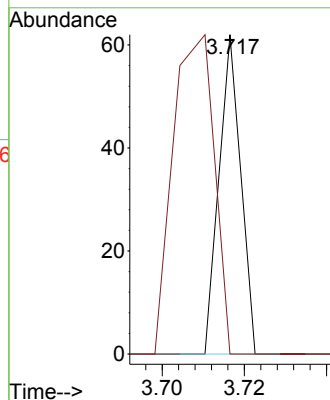
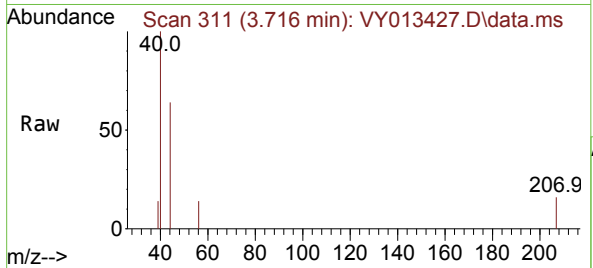




#13
Acrolein
Concen: Below Cal
RT: 3.716 min Scan# 313
Delta R.T. -0.013 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

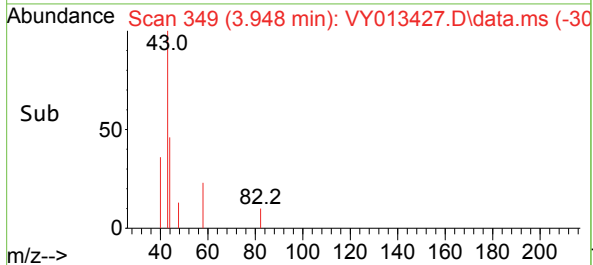
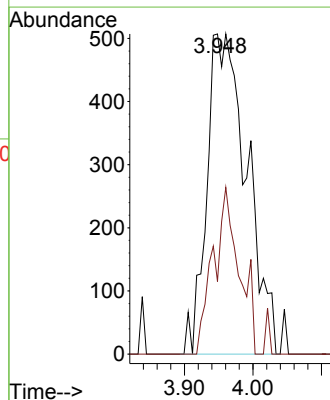
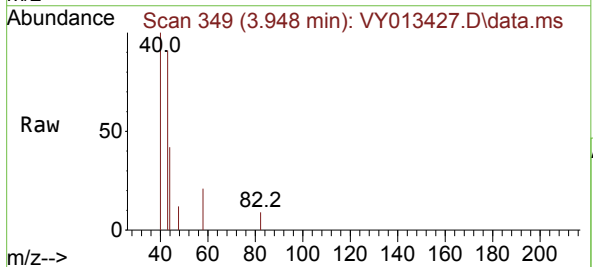
Instrument :
MSVOA_Y
ClientSampleId :
SPB-7WC-23-04-17

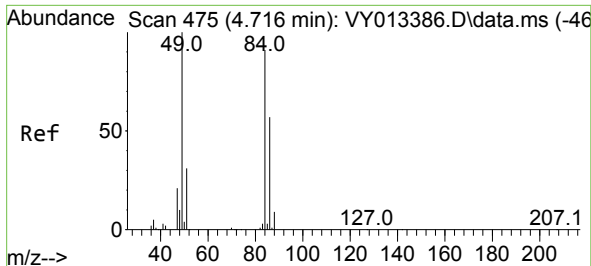
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 187.0 54.1 81.1#



#16
Acetone
Concen: 2.618 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

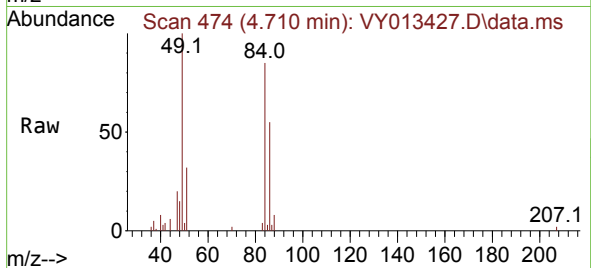
Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
58 22.7 25.4 38.0#



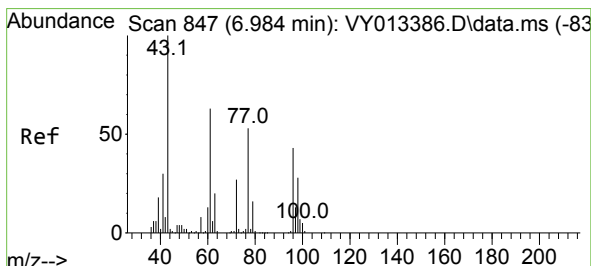
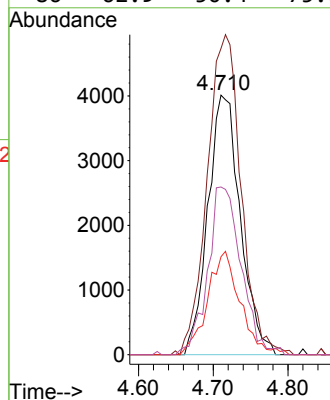
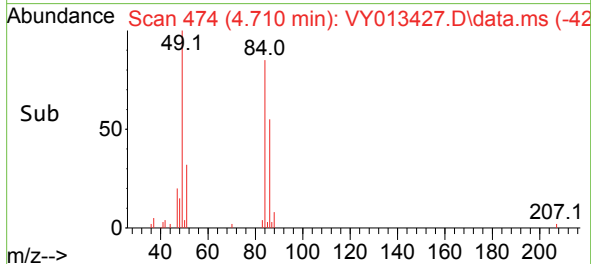


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

Instrument :
MSVOA_Y
ClientSampleId :
SPB-7WC-23-04-17

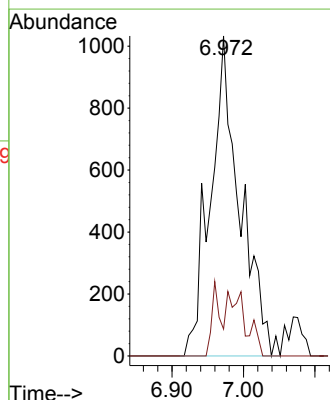
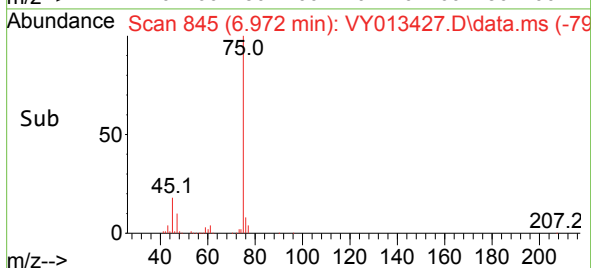
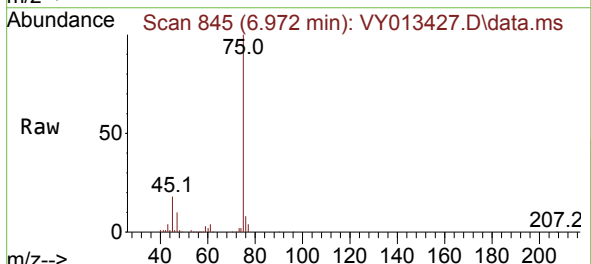


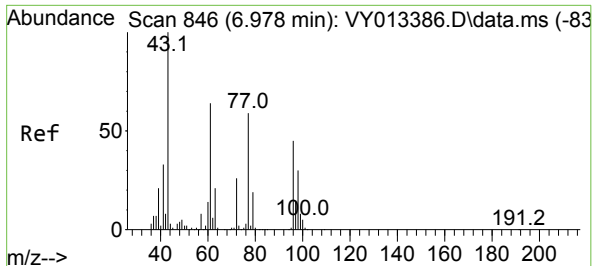
Tgt Ion: 84 Resp: 12103
Ion Ratio Lower Upper
84 100
49 118.0 88.0 132.0
51 37.7 27.4 41.0
86 62.9 50.4 75.6



#25
2-Butanone
Concen: 2.983 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

Tgt Ion: 43 Resp: 2973
Ion Ratio Lower Upper
43 100
72 8.4 21.9 32.9#





#26

2,2-Dichloropropane

Concen: 1.238 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY013427.D

Acq: 25 Apr 2023 04:38

Instrument :

MSVOA_Y

ClientSampleId :

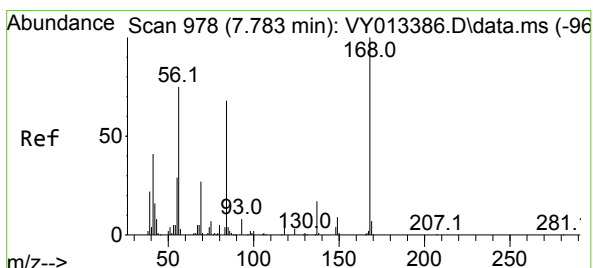
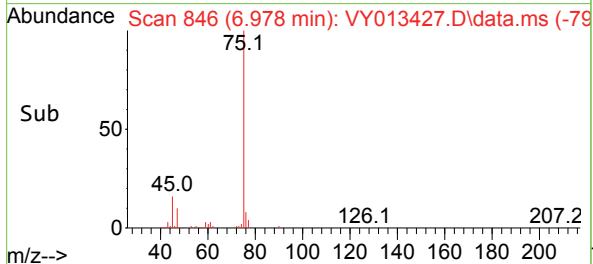
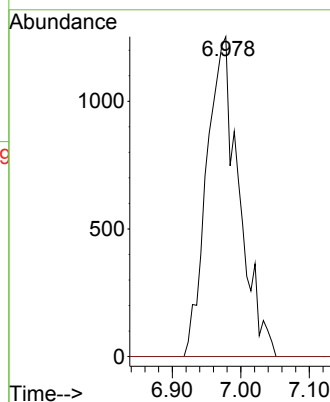
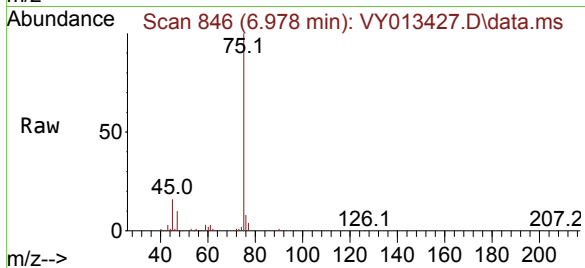
SPB-7WC-23-04-17

Tgt Ion: 77 Resp: 4080

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013427.D

Acq: 25 Apr 2023 04:38

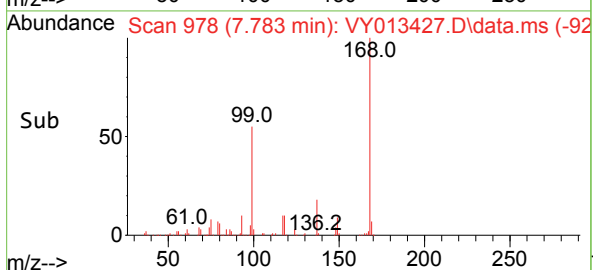
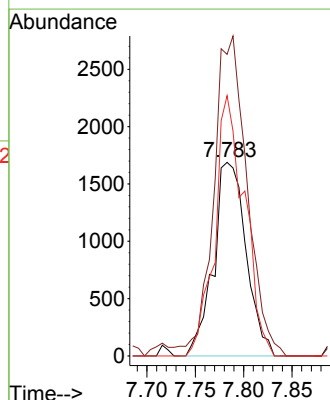
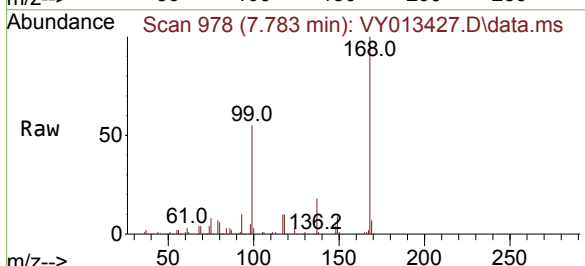
Tgt Ion: 56 Resp: 3953

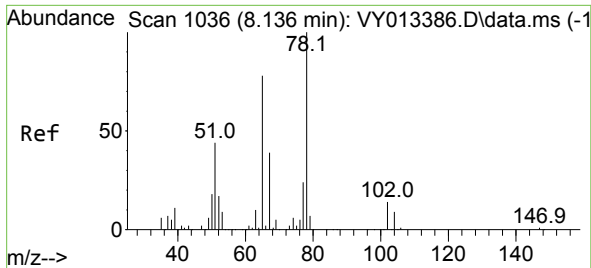
Ion Ratio Lower Upper

56 100

69 151.7 29.2 43.8#

84 134.5 73.0 109.6#

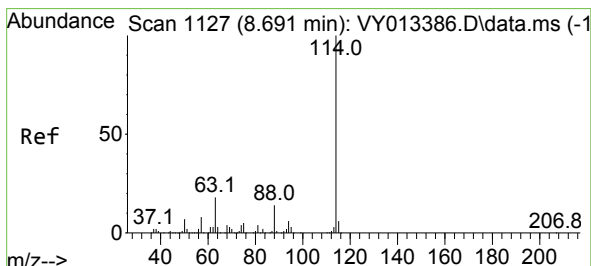
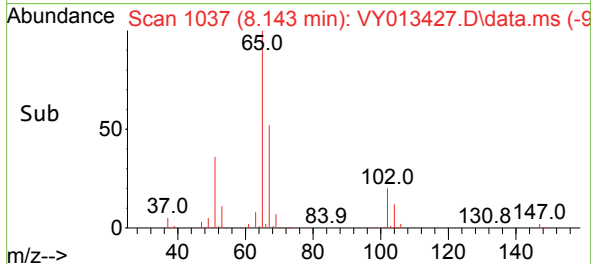
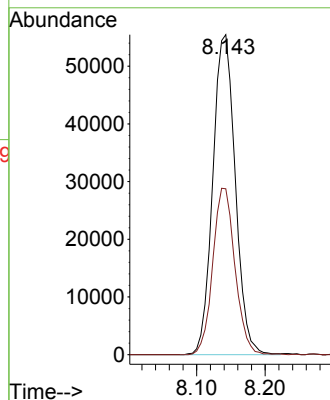
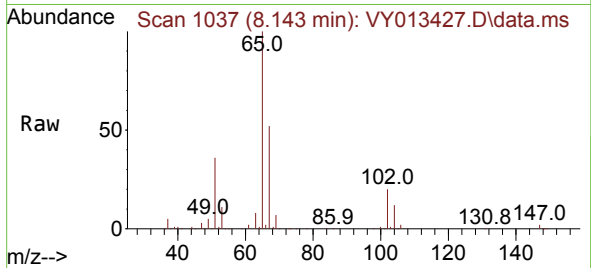




#33
1,2-Dichloroethane-d4
Concen: 63.360 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

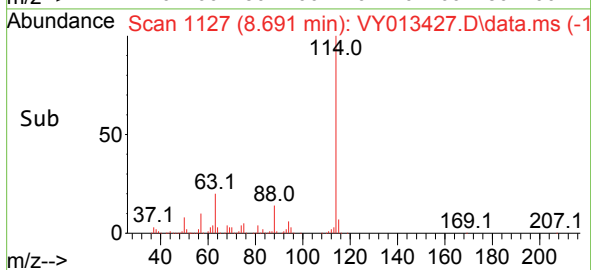
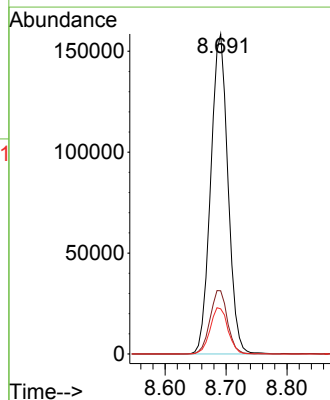
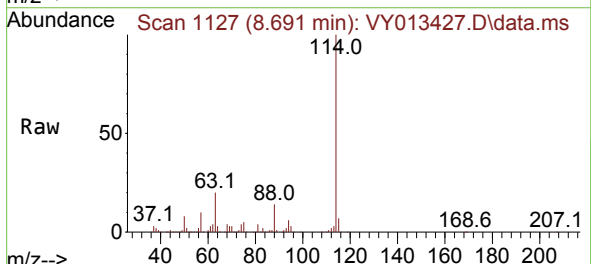
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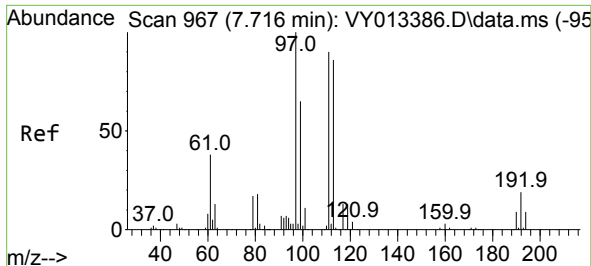
Tgt Ion: 65 Resp: 126424
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

Tgt Ion: 114 Resp: 311524
Ion Ratio Lower Upper
114 100
63 19.7 0.0 36.6
88 14.1 0.0 28.8

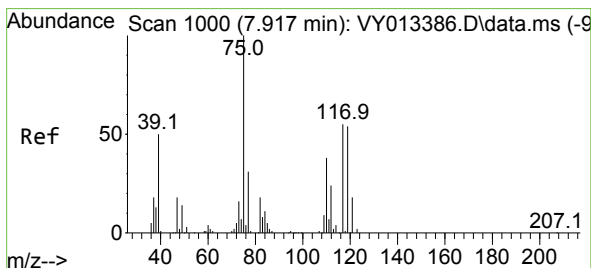
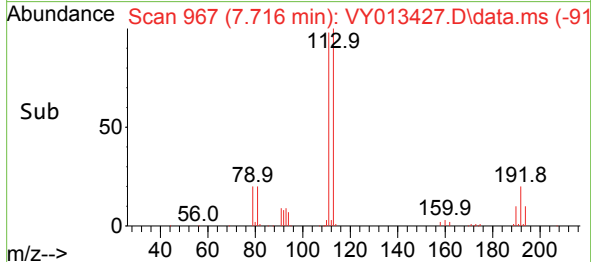
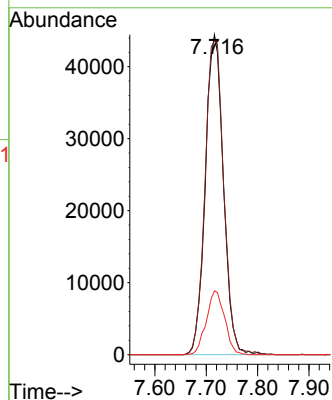
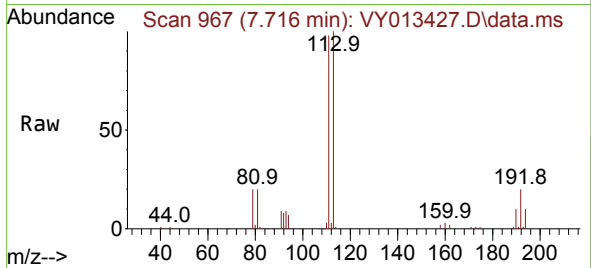




#35
Dibromofluoromethane
Concen: 55.408 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

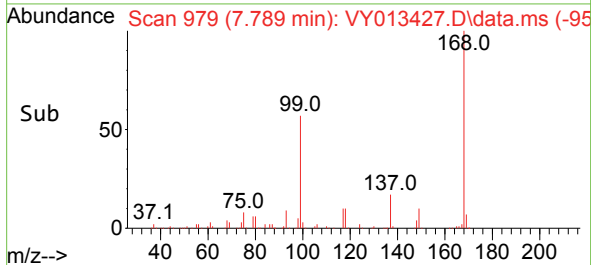
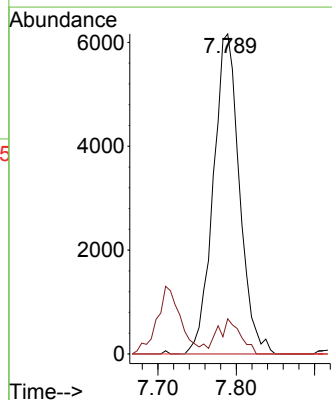
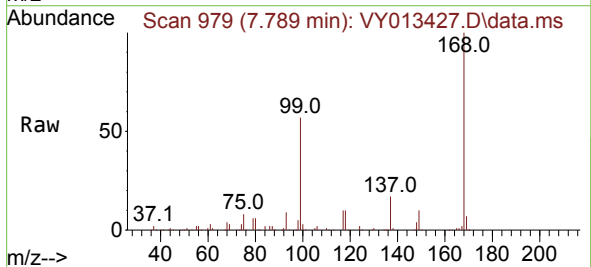
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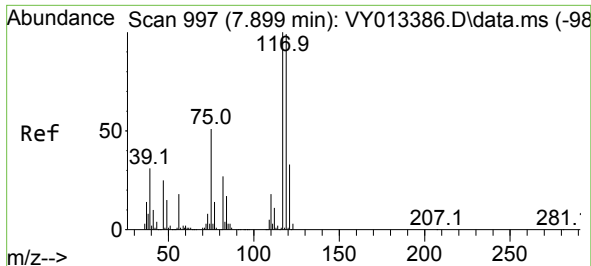
Tgt Ion:113 Resp: 108564
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 20.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.398 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

Tgt Ion: 75 Resp: 14302
Ion Ratio Lower Upper
75 100
110 9.2 18.7 56.1#
77 0.0 24.6 37.0#

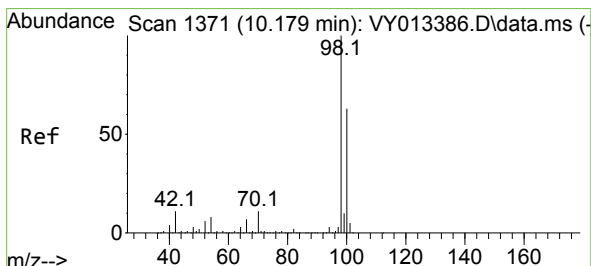
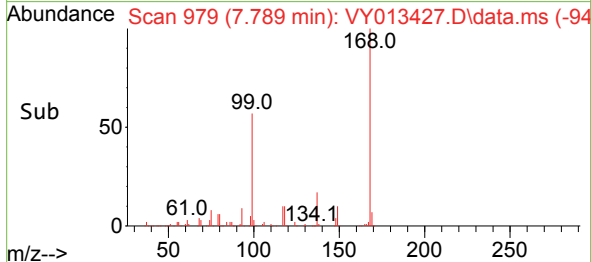
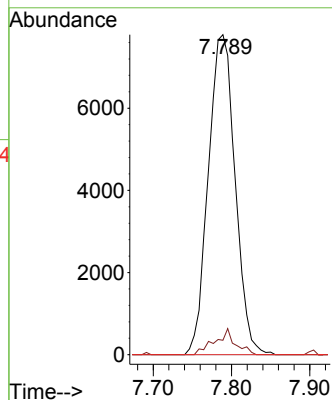
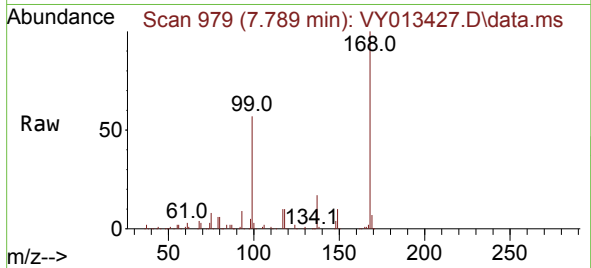




#38
Carbon Tetrachloride
Concen: 5.437 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

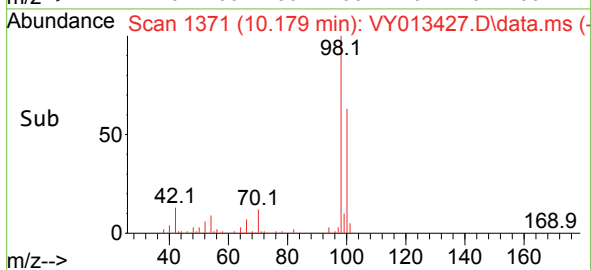
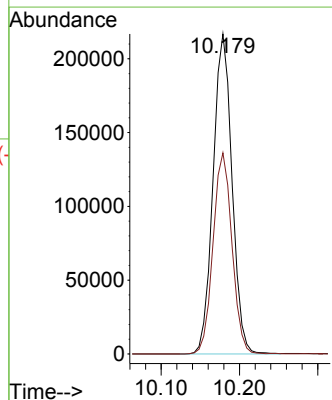
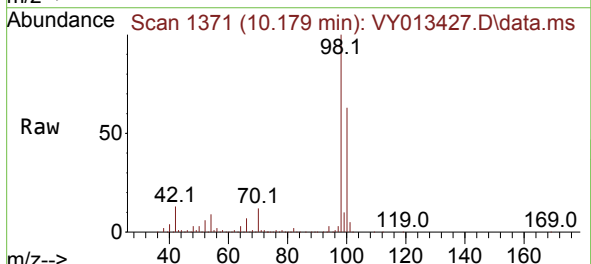
Instrument :
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SPB-7WC-23-04-17

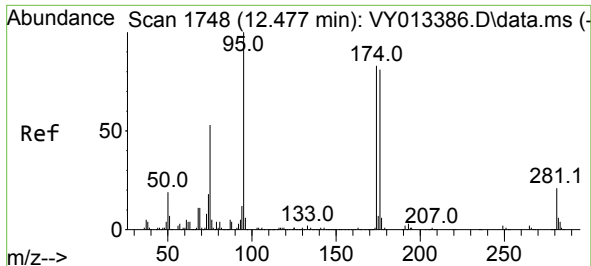
Tgt Ion:117 Resp: 18532
Ion Ratio Lower Upper
117 100
119 4.5 79.0 118.6#
121 0.0 26.6 40.0#



#50
Toluene-d8
Concen: 52.280 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

Tgt Ion: 98 Resp: 364403
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7

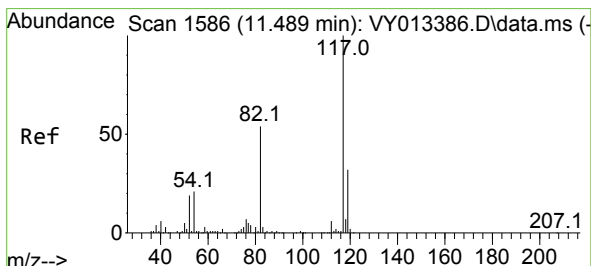
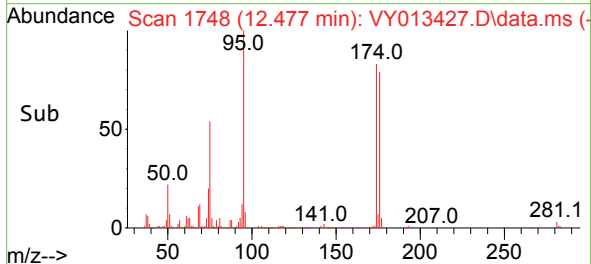
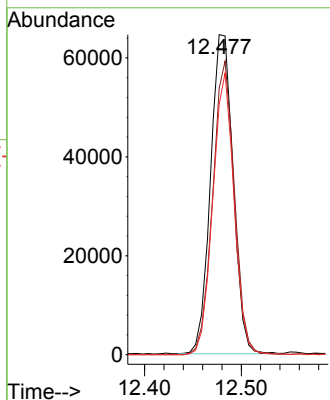
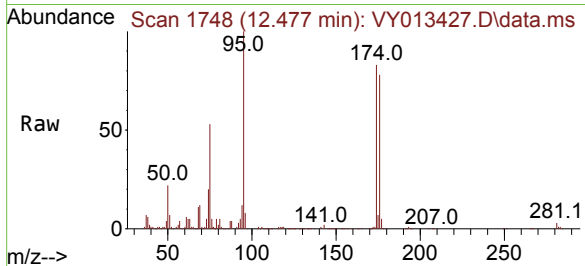




#62
4-Bromofluorobenzene
Concen: 44.451 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

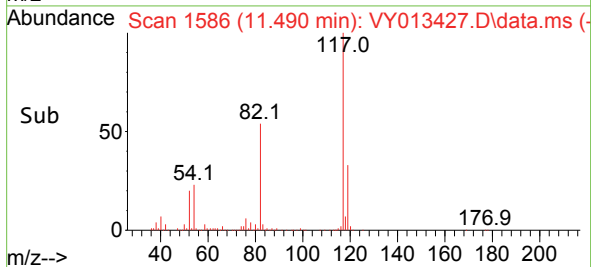
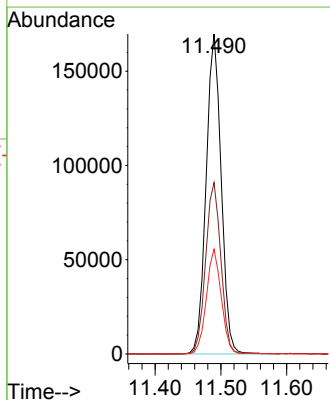
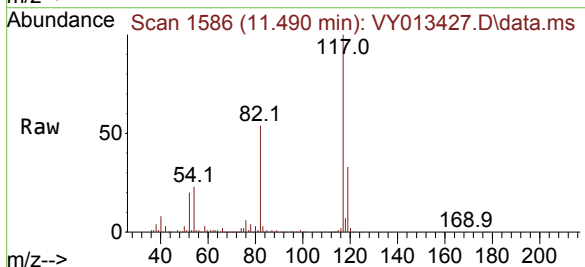
Instrument :
MSVOA_Y
ClientSampleId :
SPB-7WC-23-04-17

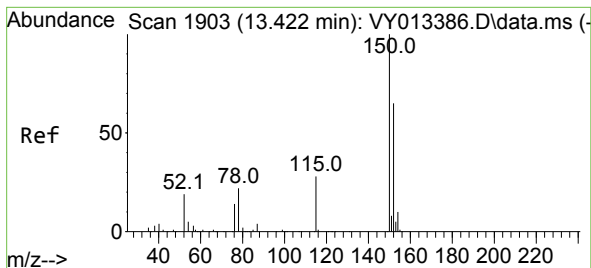
Tgt Ion: 95 Resp: 104451
Ion Ratio Lower Upper
95 100
174 89.0 0.0 182.0
176 83.4 0.0 175.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013427.D
Acq: 25 Apr 2023 04:38

Tgt Ion: 117 Resp: 270313
Ion Ratio Lower Upper
117 100
82 53.6 43.0 64.6
119 32.7 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: VY013427.D

Acq: 25 Apr 2023 04:38

Instrument :

MSVOA_Y

ClientSampleId :

SPB-7WC-23-04-17

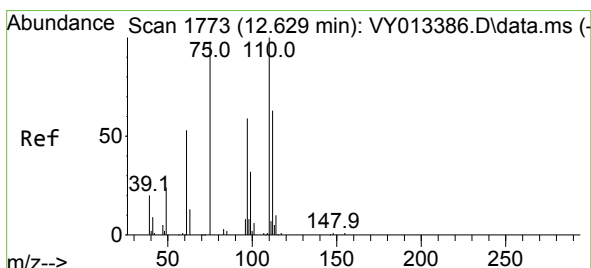
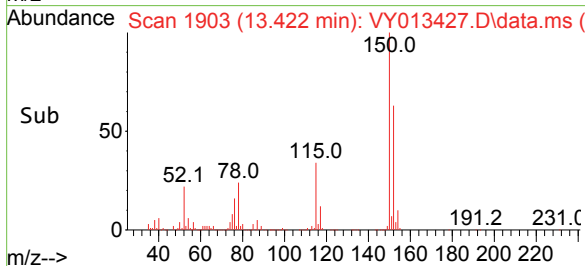
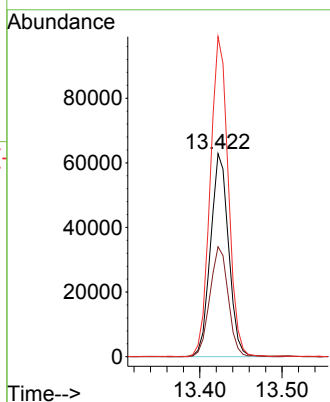
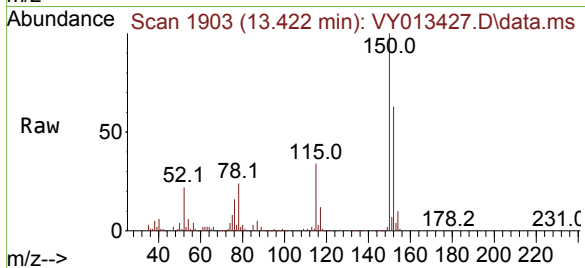
Tgt Ion:152 Resp: 95736

Ion Ratio Lower Upper

152 100

115 55.1 28.1 84.2

150 157.7 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 43.354 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013427.D

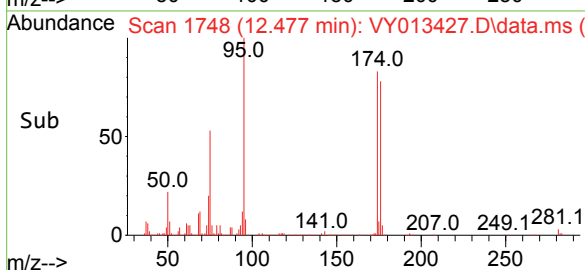
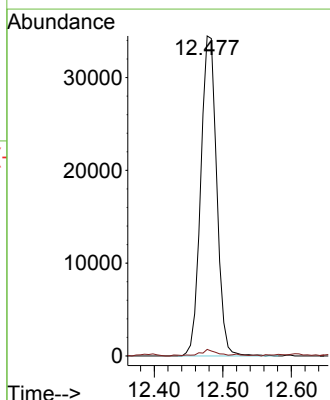
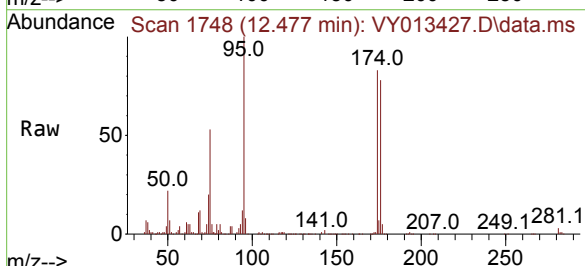
Acq: 25 Apr 2023 04:38

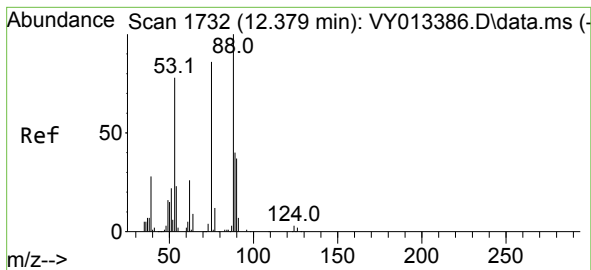
Tgt Ion: 75 Resp: 55975

Ion Ratio Lower Upper

75 100

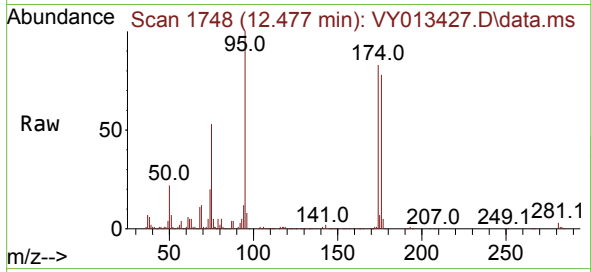
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 88.683 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY013427.D
 Acq: 25 Apr 2023 04:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-7WC-23-04-17



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.2	109.8#
89	0.2	38.0	57.0#

