

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042423\
 Data File : VY013424.D
 Acq On : 25 Apr 2023 03:27
 Operator : KP/MD
 Sample : 02389-14
 Misc : 3.91g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SPB-4WC-23-04-17

Quant Time: Apr 25 07:15:10 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)

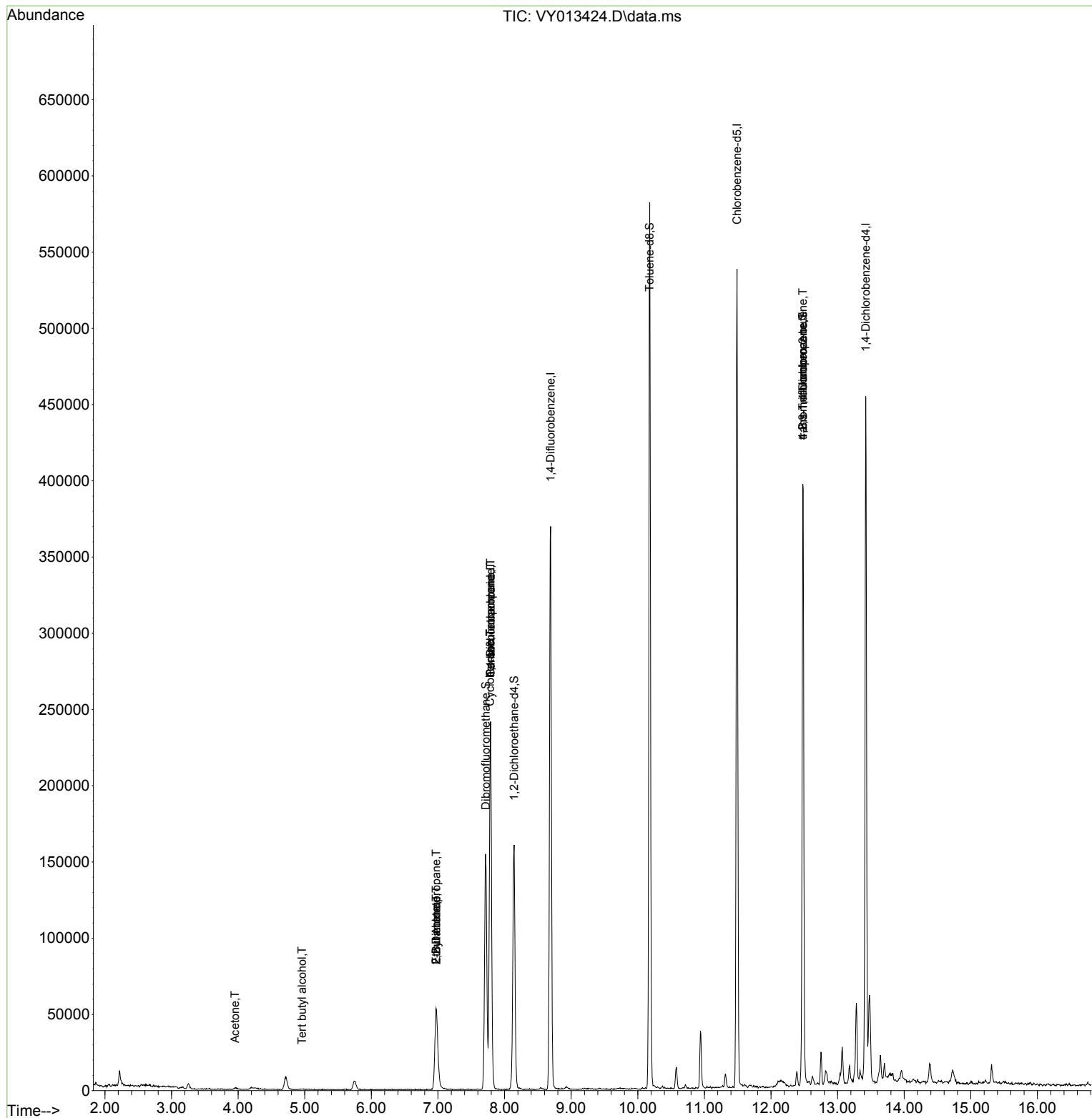
Internal Standards						
1) Pentafluorobenzene	7.789	168	186374	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	310976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	280596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	112194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124947	61.156	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.320%			
35) Dibromofluoromethane	7.716	113	108050	55.243	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.480%			
50) Toluene-d8	10.179	98	373635	53.699	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.400%			
62) 4-Bromofluorobenzene	12.477	95	113504	48.388	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.780%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.960	59	797	4.104	ug/l #	89
13) Acrolein	3.729	56	20	Below Cal	#	16
16) Acetone	3.954	43	2309	2.870	ug/l	90
20) Methylene Chloride	4.723	84	6341	Below Cal	#	93
25) 2-Butanone	6.972	43	3475	3.406	ug/l	92
26) 2,2-Dichloropropane	6.972	77	3982	1.180	ug/l #	52
31) Cyclohexane	7.783	56	4461	1.220	ug/l #	23
36) 1,1-Dichloropropene	7.789	75	14056	4.330	ug/l #	49
37) Ethyl Acetate	6.972	43	3475	1.423	ug/l #	1
38) Carbon Tetrachloride	7.789	117	18083	5.315	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	59645	39.420	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59645	80.635	ug/l #	13

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

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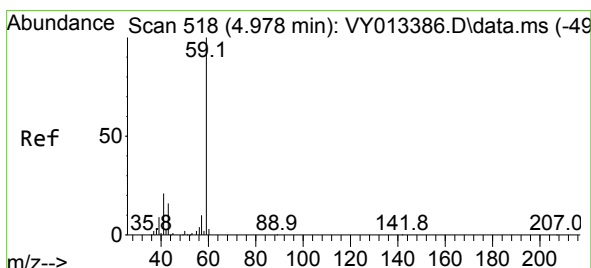
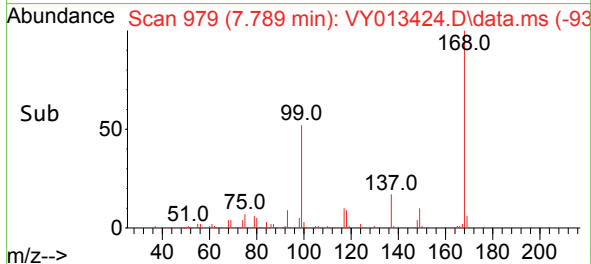
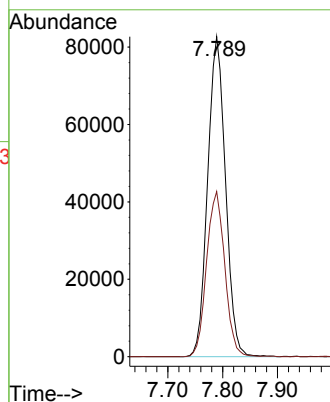
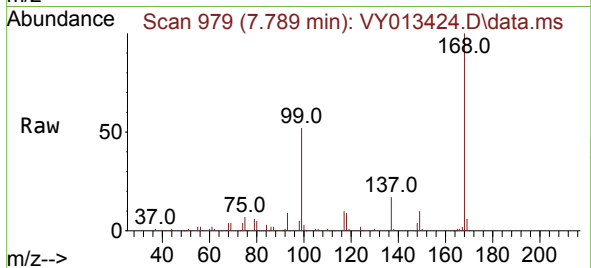




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

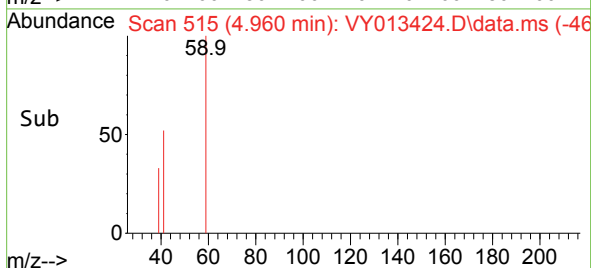
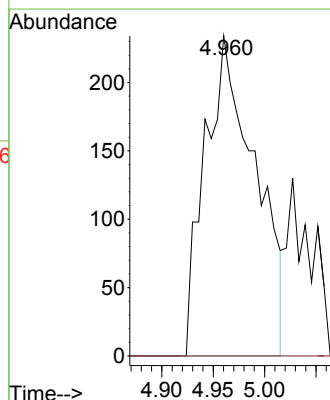
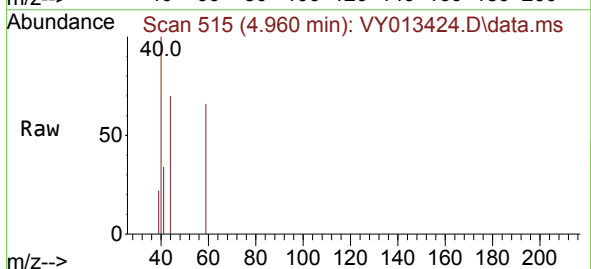
Instrument :
MSVOA_Y
ClientSampleId :
SPB-4WC-23-04-17

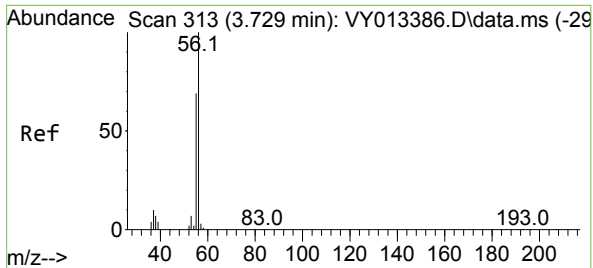
Tgt Ion:168 Resp: 186374
Ion Ratio Lower Upper
168 100
99 51.6 41.8 62.6



#11
Tert butyl alcohol
Concen: 4.104 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.018 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Tgt Ion: 59 Resp: 797
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

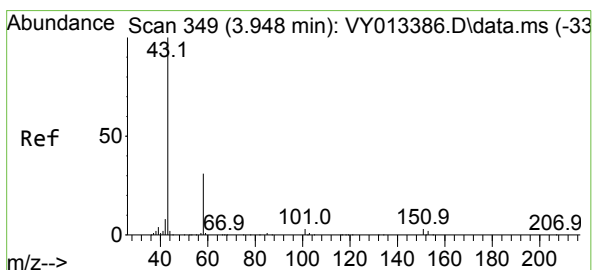
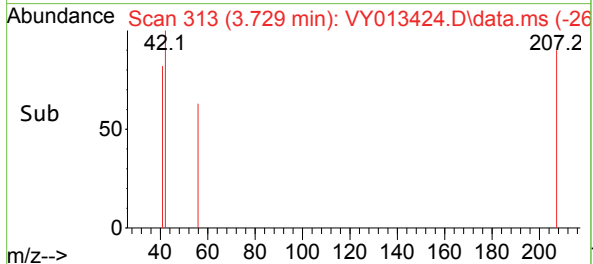
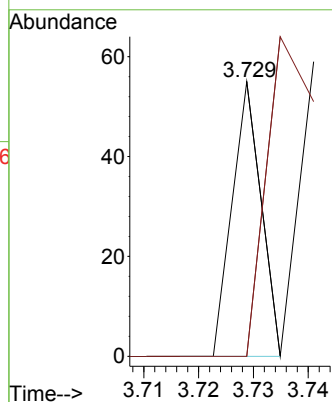
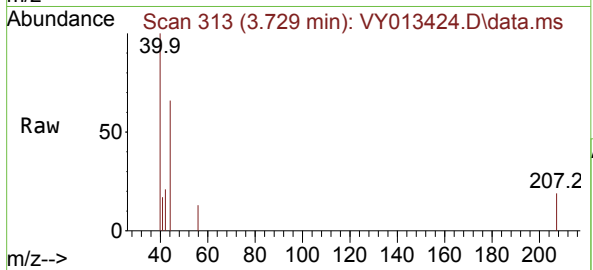




#13
Acrolein
Concen: Below Cal
RT: 3.729 min Scan# 313
Delta R.T. -0.000 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

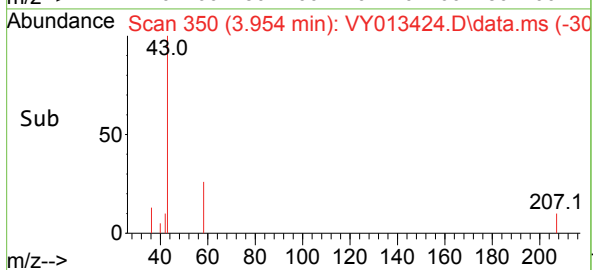
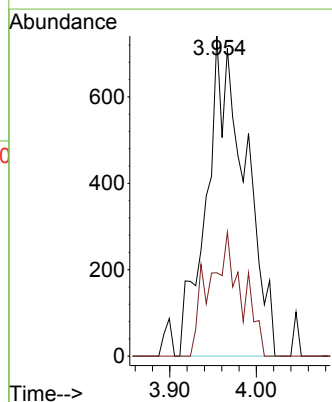
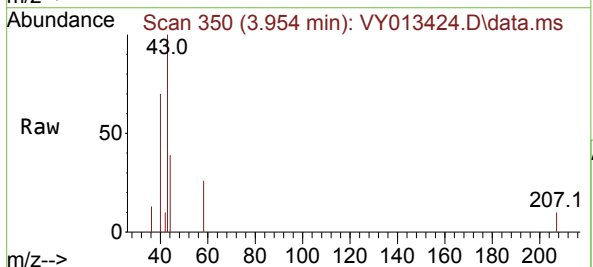
Instrument :
MSVOA_Y
ClientSampleId :
SPB-4WC-23-04-17

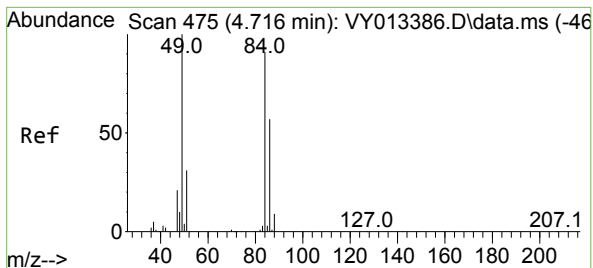
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 54.1 81.1#



#16
Acetone
Concen: 2.870 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Tgt Ion: 43 Resp: 2309
Ion Ratio Lower Upper
43 100
58 26.0 25.4 38.0





#20

Methylene Chloride

Concen: Below Cal

RT: 4.723 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY013424.D

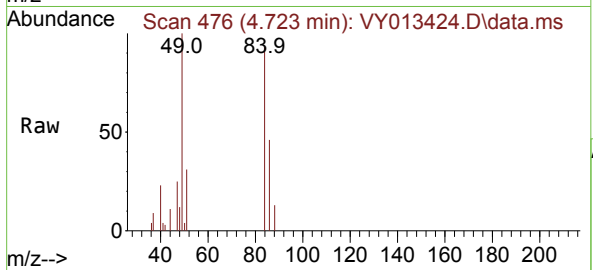
Acq: 25 Apr 2023 03:27

Instrument :

MSVOA_Y

ClientSampleId :

SPB-4WC-23-04-17



Tgt Ion: 84 Resp: 6341

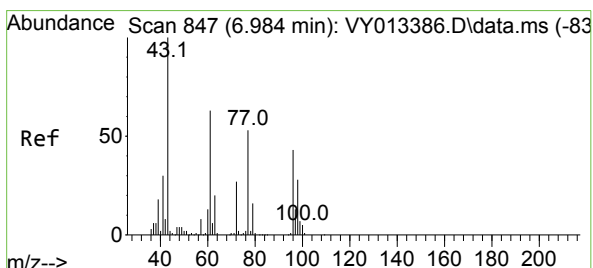
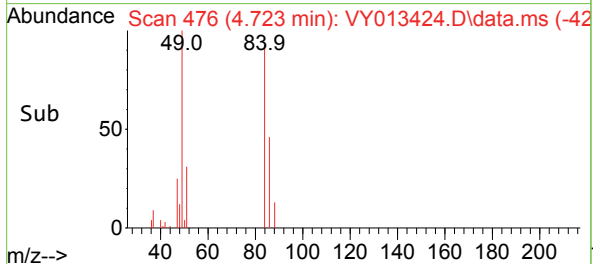
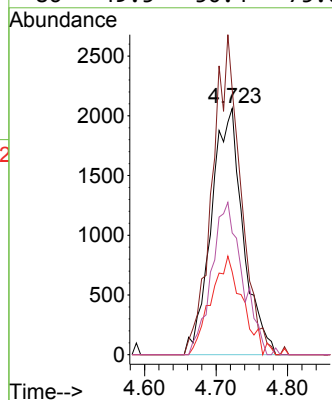
Ion Ratio Lower Upper

84 100

49 107.6 88.0 132.0

51 33.6 27.4 41.0

86 49.5 50.4 75.6#



#25

2-Butanone

Concen: 3.406 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY013424.D

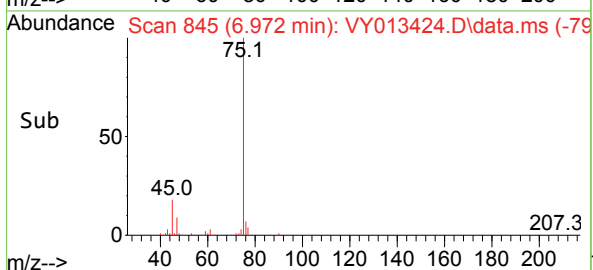
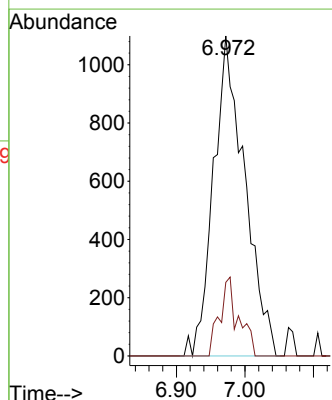
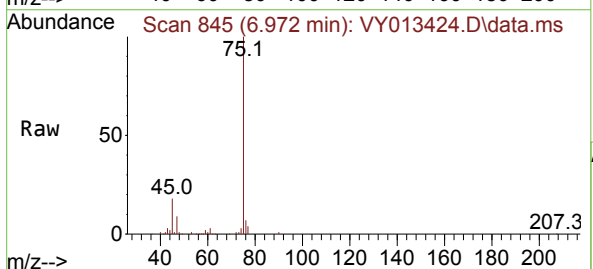
Acq: 25 Apr 2023 03:27

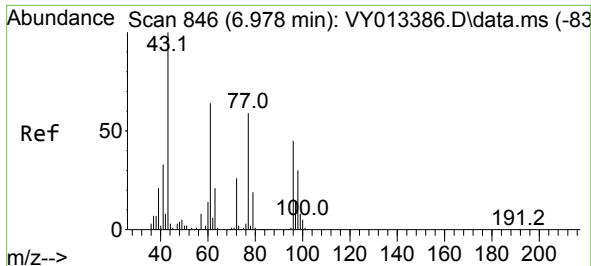
Tgt Ion: 43 Resp: 3475

Ion Ratio Lower Upper

43 100

72 23.0 21.9 32.9

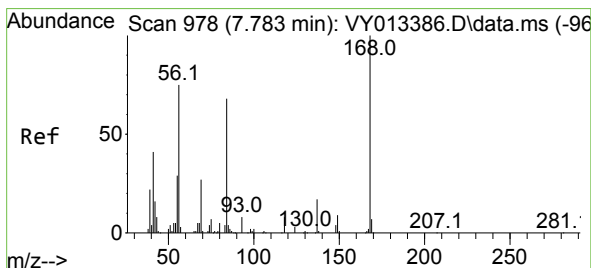
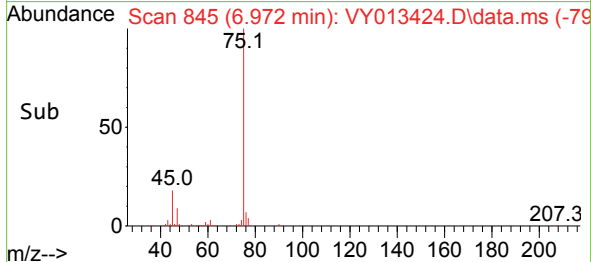
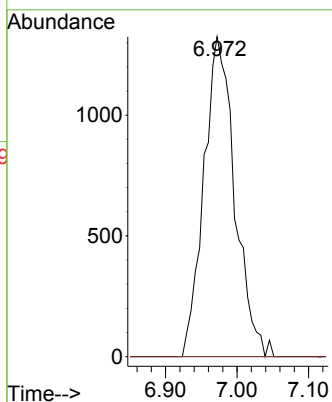
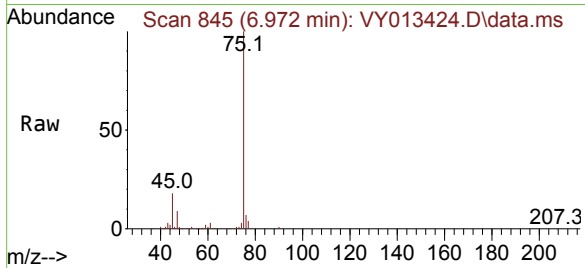




#26
2,2-Dichloropropane
Concen: 1.180 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

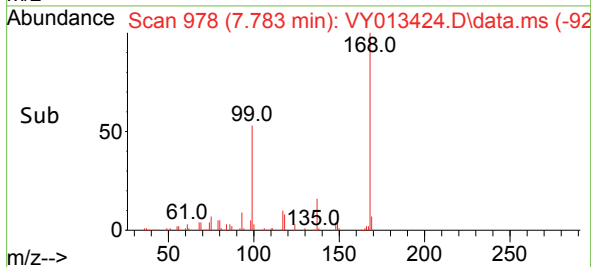
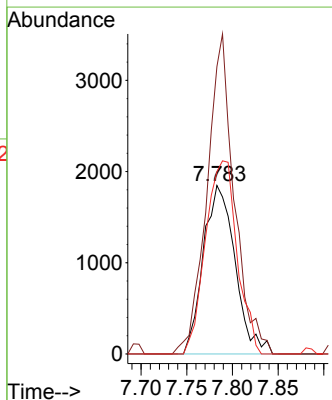
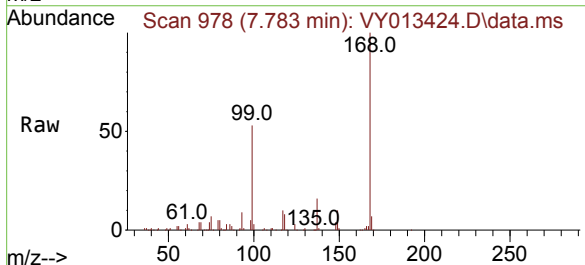
Instrument :
MSVOA_Y
ClientSampleId :
SPB-4WC-23-04-17

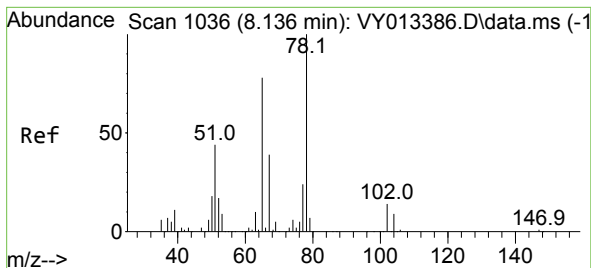
Tgt Ion: 77 Resp: 3982
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Tgt Ion: 56 Resp: 4461
Ion Ratio Lower Upper
56 100
69 170.7 29.2 43.8#
84 108.2 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 61.156 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY013424.D

Acq: 25 Apr 2023 03:27

Instrument :

MSVOA_Y

ClientSampleId :

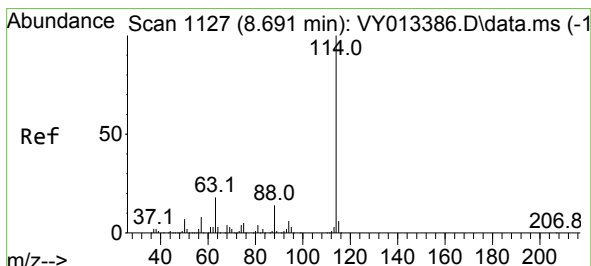
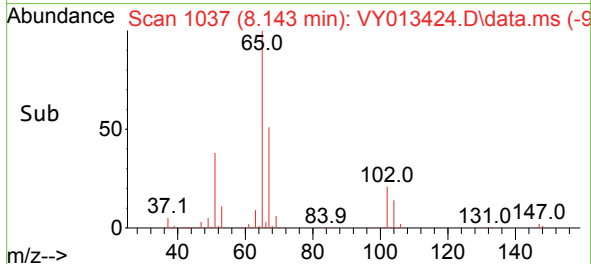
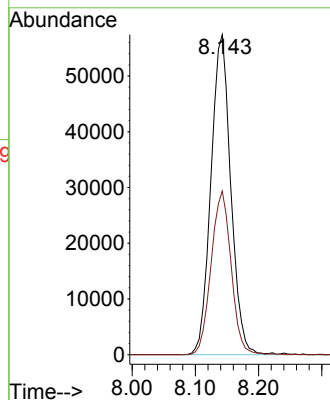
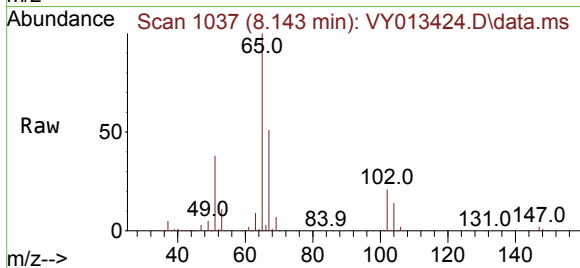
SPB-4WC-23-04-17

Tgt Ion: 65 Resp: 124947

Ion Ratio Lower Upper

65 100

67 51.6 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: VY013424.D

Acq: 25 Apr 2023 03:27

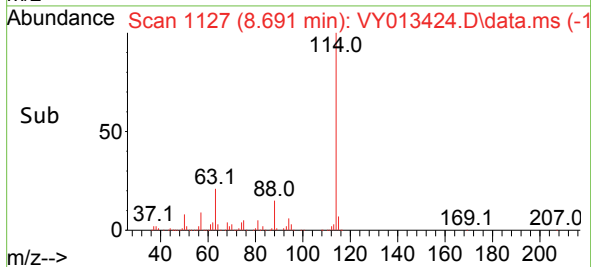
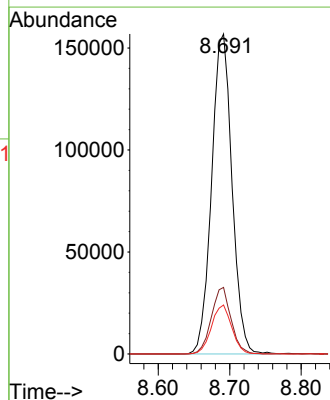
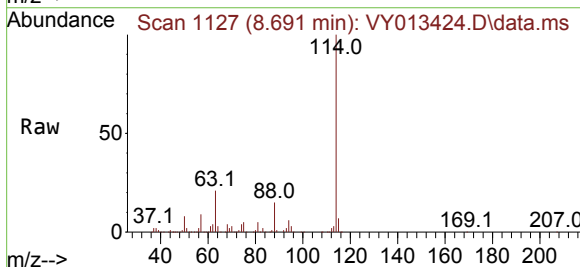
Tgt Ion: 114 Resp: 310976

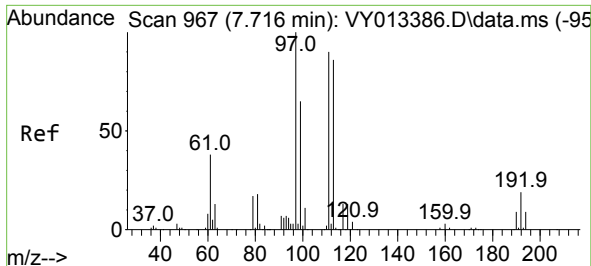
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.6

88 15.3 0.0 28.8

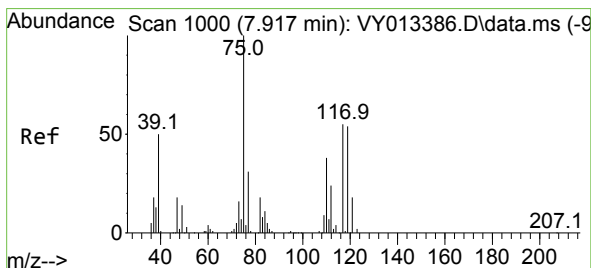
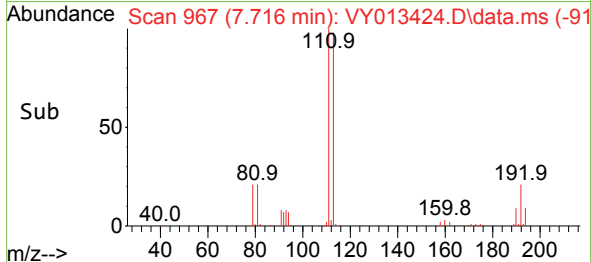
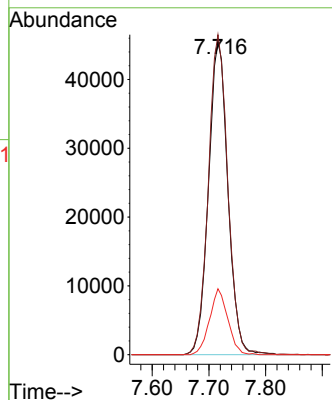
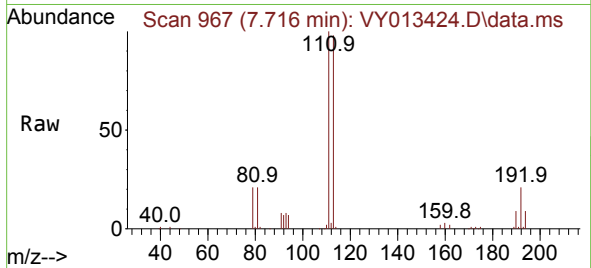




#35
Dibromofluoromethane
Concen: 55.243 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

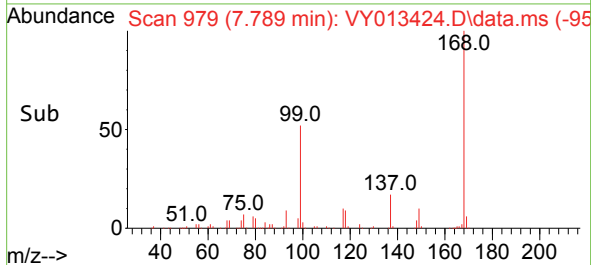
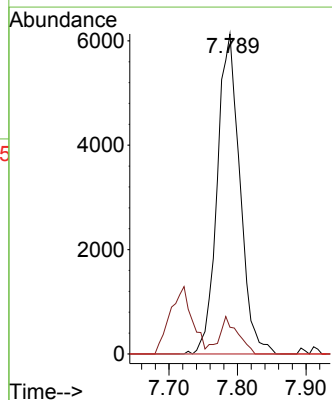
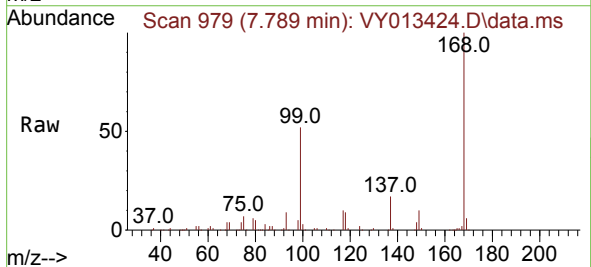
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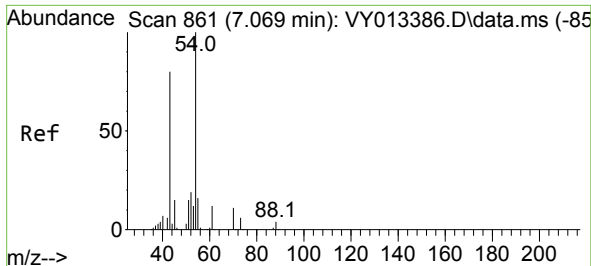
Tgt Ion:113 Resp: 108050
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.2
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Tgt Ion: 75 Resp: 14056
Ion Ratio Lower Upper
75 100
110 9.2 18.7 56.1#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 1.423 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.097 min

Lab File: VY013424.D

Acq: 25 Apr 2023 03:27

Instrument :

MSVOA_Y

ClientSampleId :

SPB-4WC-23-04-17

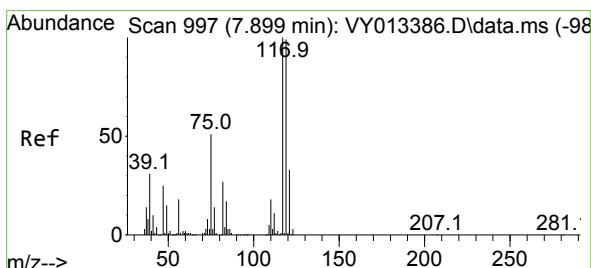
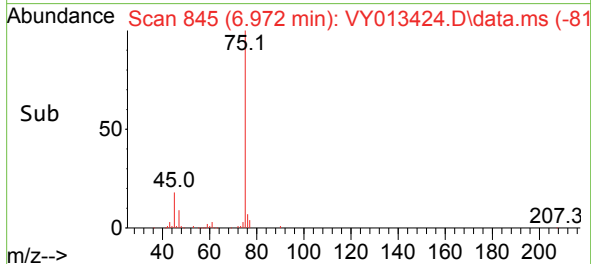
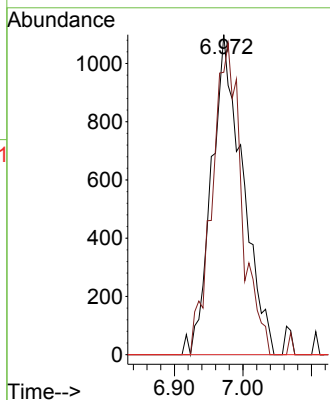
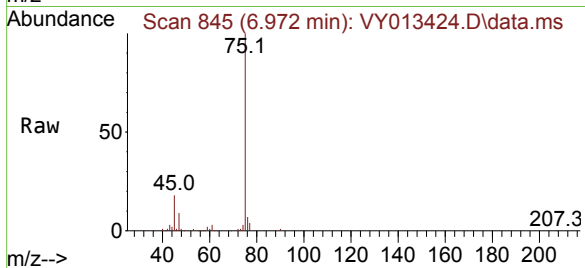
Tgt Ion: 43 Resp: 3475

Ion Ratio Lower Upper

43 100

61 92.0 11.4 17.0#

70 0.0 7.9 11.9#



#38

Carbon Tetrachloride

Concen: 5.315 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY013424.D

Acq: 25 Apr 2023 03:27

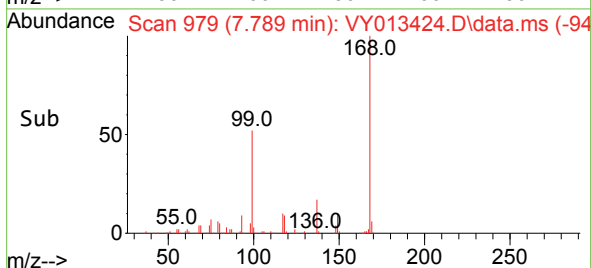
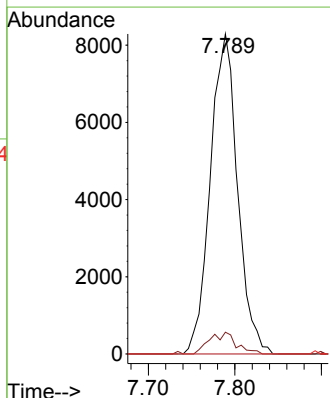
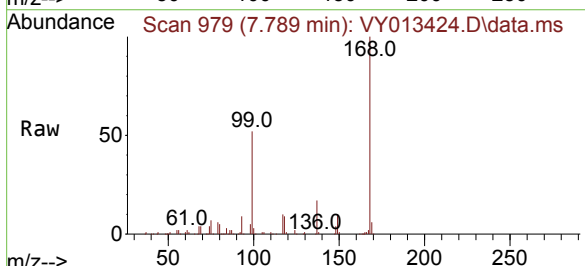
Tgt Ion: 117 Resp: 18083

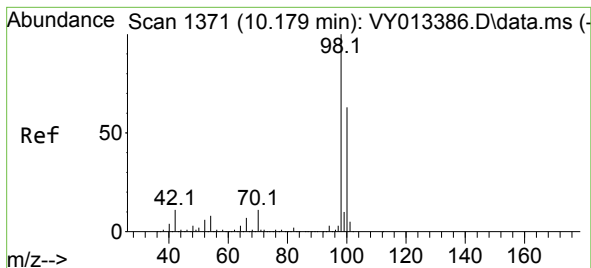
Ion Ratio Lower Upper

117 100

119 6.8 79.0 118.6#

121 0.0 26.6 40.0#





#50

Toluene-d8

Concen: 53.699 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013424.D

Acq: 25 Apr 2023 03:27

Instrument :

MSVOA_Y

ClientSampleId :

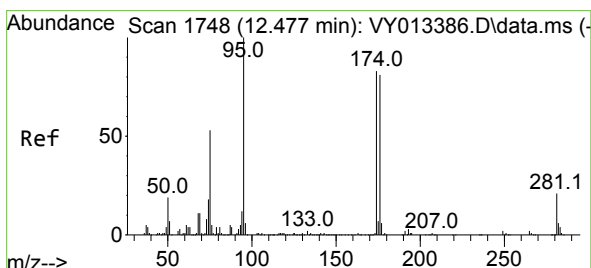
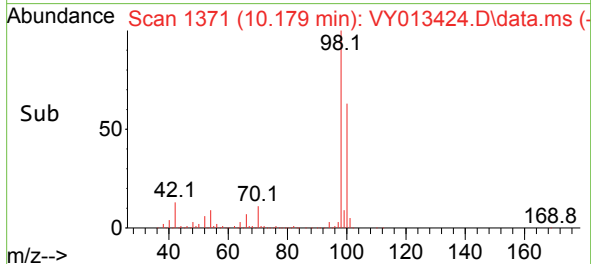
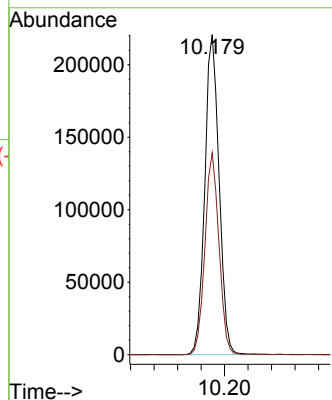
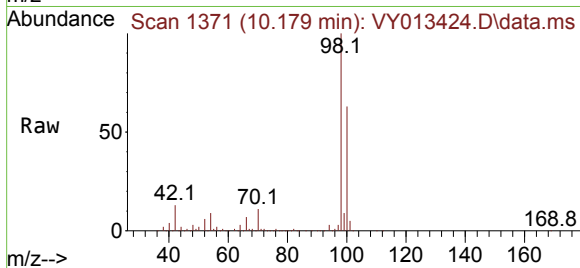
SPB-4WC-23-04-17

Tgt Ion: 98 Resp: 373635

Ion Ratio Lower Upper

98 100

100 61.9 50.5 75.7



#62

4-Bromofluorobenzene

Concen: 48.388 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY013424.D

Acq: 25 Apr 2023 03:27

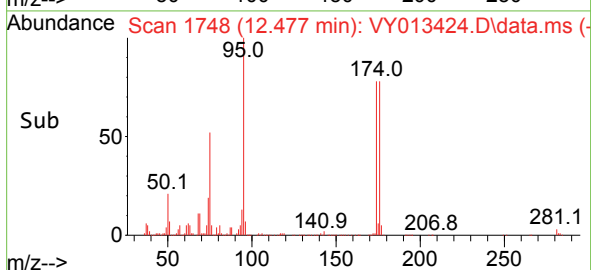
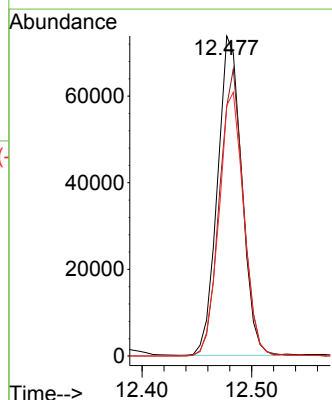
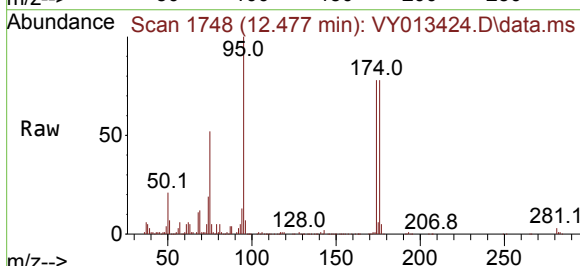
Tgt Ion: 95 Resp: 113504

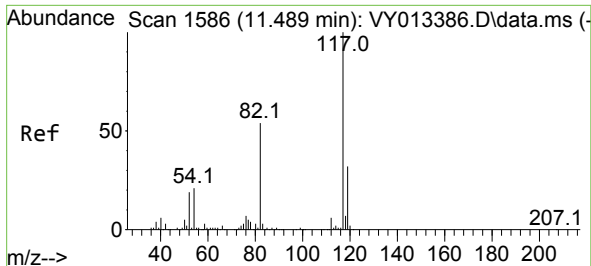
Ion Ratio Lower Upper

95 100

174 88.5 0.0 182.0

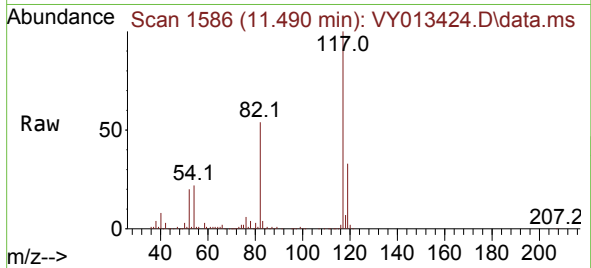
176 84.5 0.0 175.4



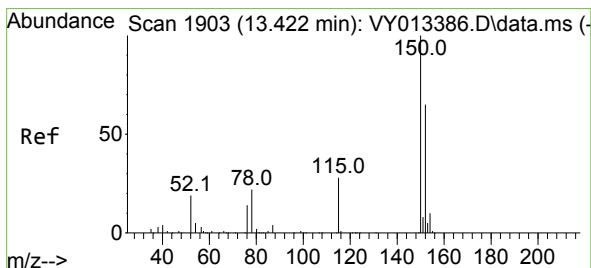
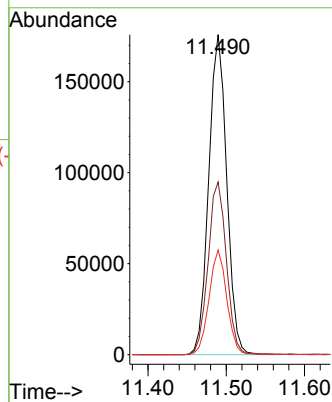
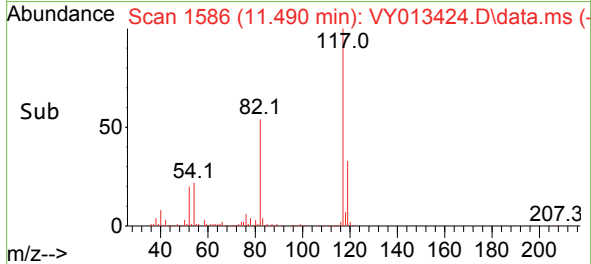


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Instrument :
MSVOA_Y
ClientSampleId :
SPB-4WC-23-04-17

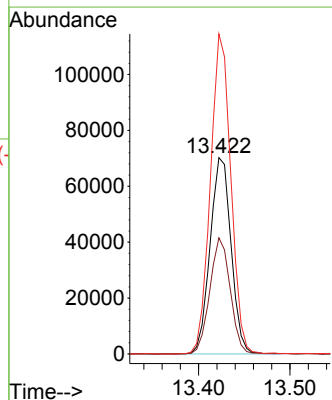
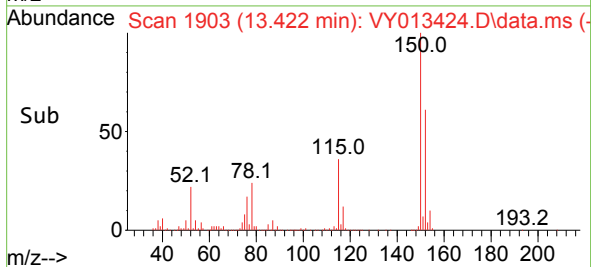
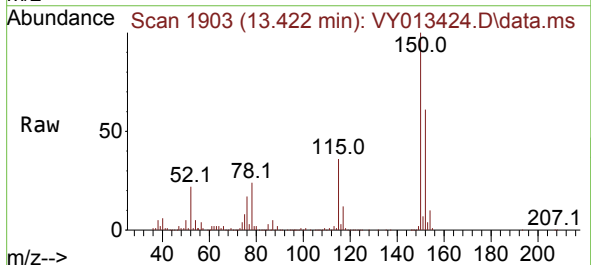


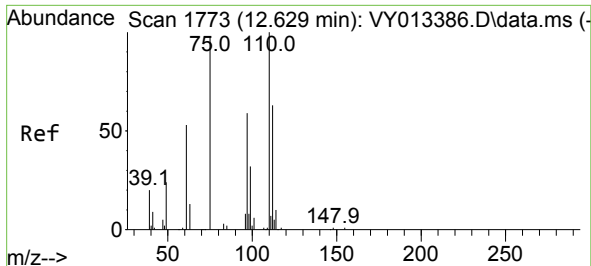
Tgt Ion:117 Resp: 280596
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.6
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Tgt Ion:152 Resp: 112194
Ion Ratio Lower Upper
152 100
115 57.4 28.1 84.2
150 158.5 0.0 352.0

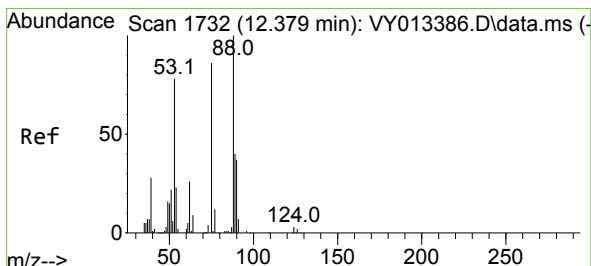
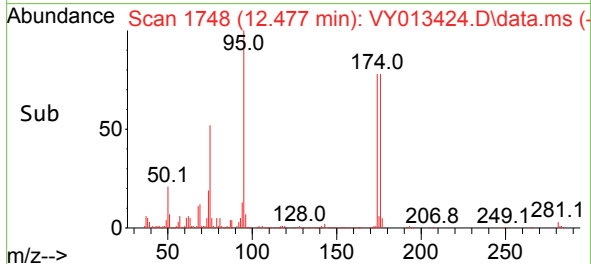
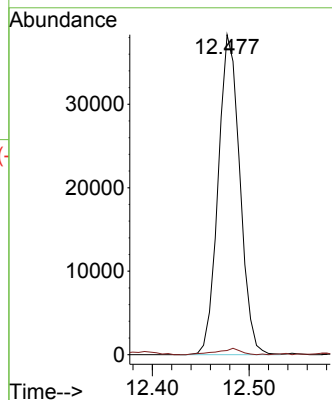
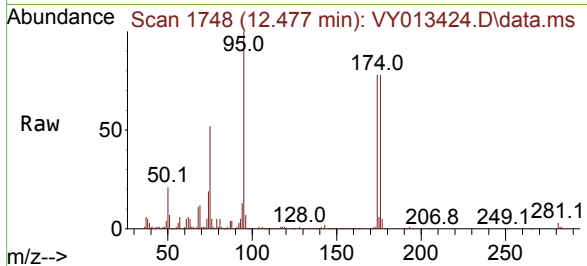




#76
1,2,3-Trichloropropane
Concen: 39.420 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.152 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Instrument :
MSVOA_Y
ClientSampleId :
SPB-4WC-23-04-17

Tgt Ion: 75 Resp: 59645
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.635 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY013424.D
Acq: 25 Apr 2023 03:27

Tgt Ion: 75 Resp: 59645
Ion Ratio Lower Upper
75 100
53 0.0 73.2 109.8#
89 0.1 38.0 57.0#

