

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020923\
 Data File : VY012559.D
 Acq On : 09 Feb 2023 12:19
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 10 05:56:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

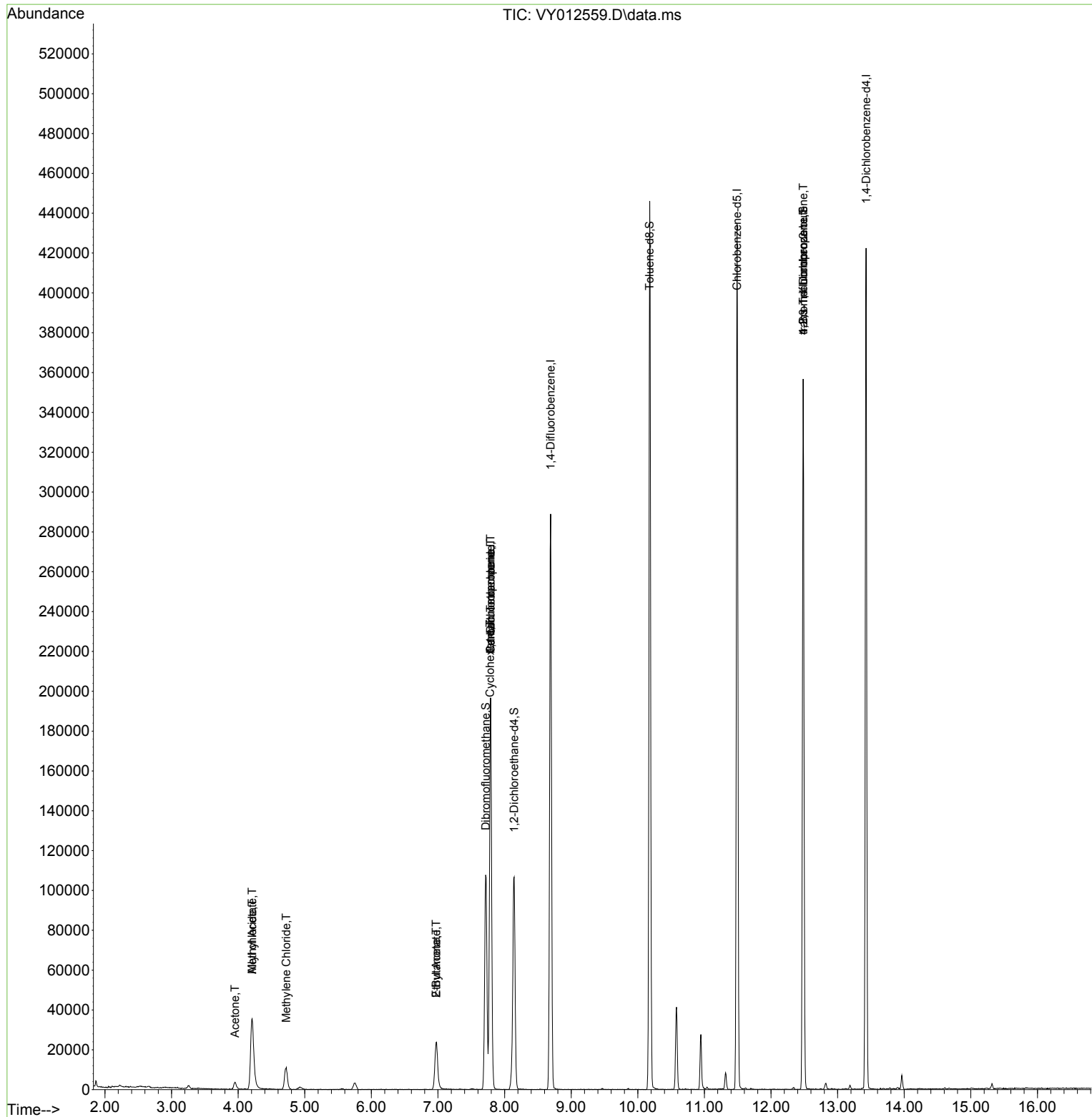
Internal Standards						
1) Pentafluorobenzene	7.789	168	154568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	257528	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	245203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112600	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88475	45.013	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	90.020%		
35) Dibromofluoromethane	7.716	113	75569	40.293	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.580%		
50) Toluene-d8	10.179	98	301055	38.566	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.140%		
62) 4-Bromofluorobenzene	12.483	95	99290	36.465	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	72.940%		
Target Compounds						
5) Bromomethane	2.668	94	267	Below Cal	Qvalue 93	
11) Tert butyl alcohol	4.924	59	718	Below Cal	# 75	
14) Allyl chloride	4.210	41	5583	2.976 ug/l	# 62	
16) Acetone	3.954	43	6259	13.231 ug/l	# 93	
18) Methyl Acetate	4.210	43	15340	13.491 ug/l	# 43	
20) Methylene Chloride	4.722	84	9304	1.144 ug/l	# 96	
25) 2-Butanone	6.972	43	1194	2.275 ug/l	# 79	
31) Cyclohexane	7.783	56	2607	1.147 ug/l	# 36	
36) 1,1-Dichloropropene	7.789	75	10278	4.049 ug/l	# 49	
37) Ethyl Acetate	6.972	43	1194	1.042 ug/l	# 1	
38) Carbon Tetrachloride	7.789	117	14841	4.356 ug/l	# 20	
76) 1,2,3-Trichloropropane	12.483	75	51967	41.309 ug/l	# 100	
81) trans-1,4-Dichloro-2-b...	12.483	75	51967	93.154 ug/l	# 12	

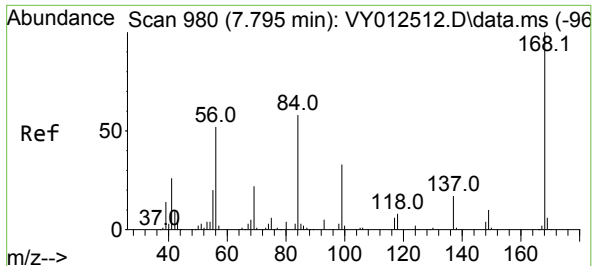
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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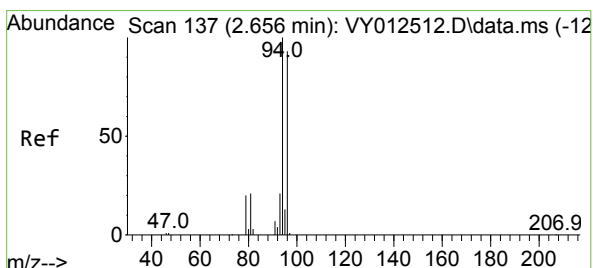
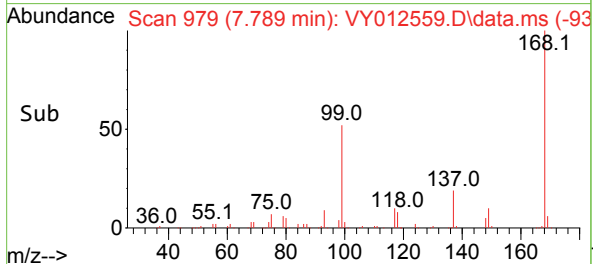
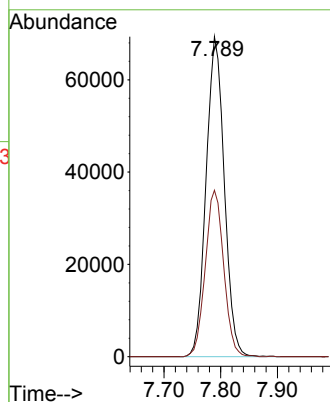
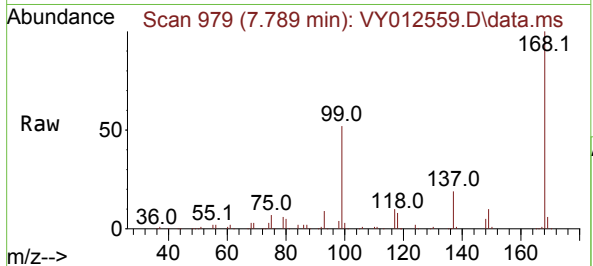




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

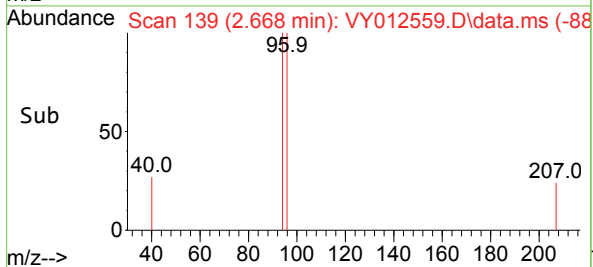
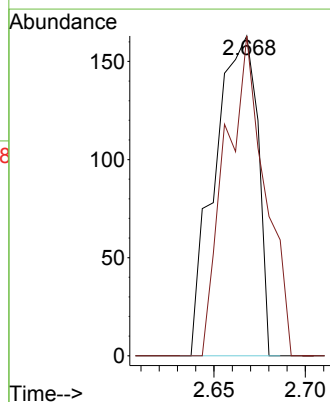
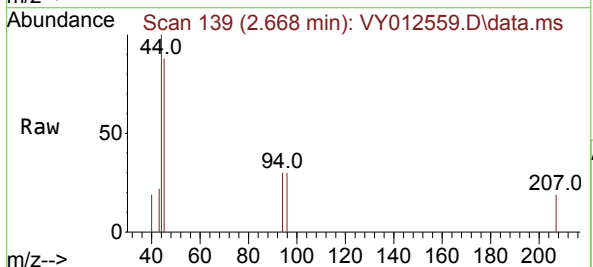
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

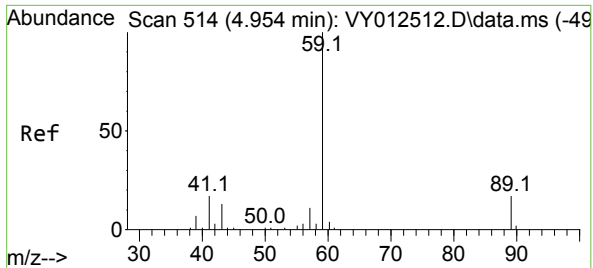
Tgt Ion:168 Resp: 154568
Ion Ratio Lower Upper
168 100
99 52.0 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Tgt Ion: 94 Resp: 267
Ion Ratio Lower Upper
94 100
96 100.0 74.7 112.1





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.030 min

Lab File: VY012559.D

Acq: 09 Feb 2023 12:19

Instrument :

MSVOA_Y

ClientSampleId :

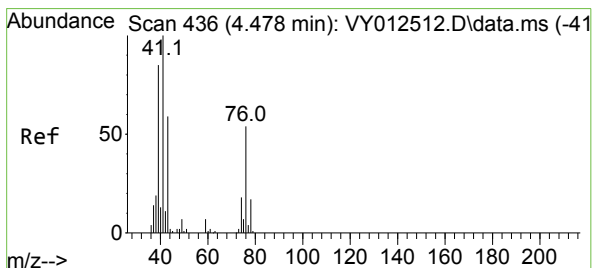
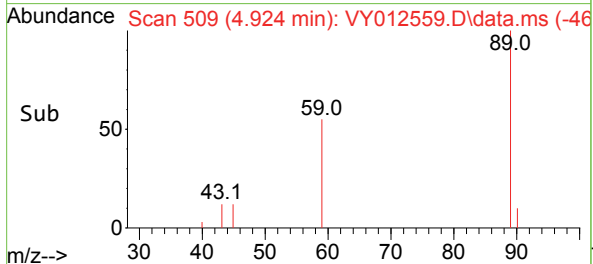
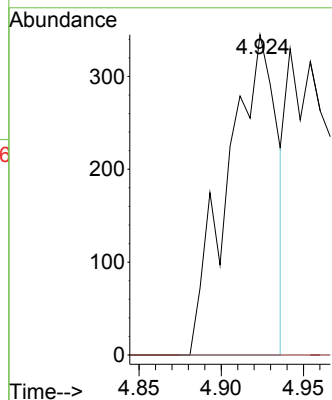
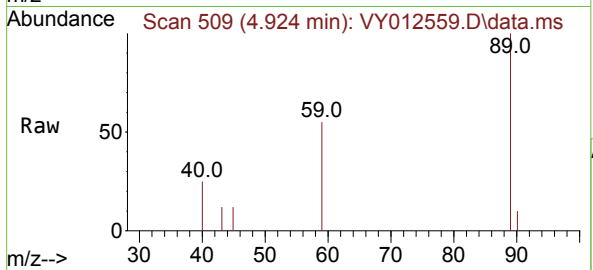
VIBLK

Tgt Ion: 59 Resp: 718

Ion Ratio Lower Upper

59 100

57 0.0 7.2 10.8#



#14

Allyl chloride

Concen: 2.976 ug/l

RT: 4.210 min Scan# 392

Delta R.T. -0.268 min

Lab File: VY012559.D

Acq: 09 Feb 2023 12:19

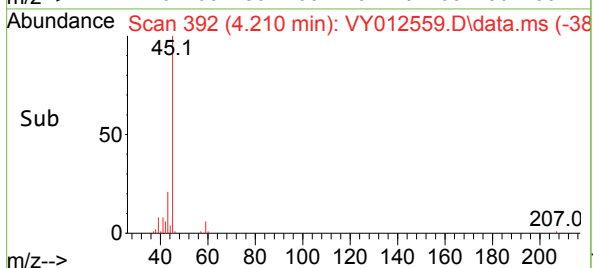
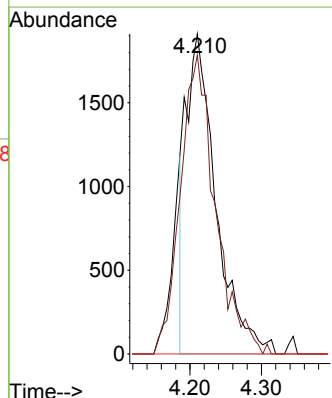
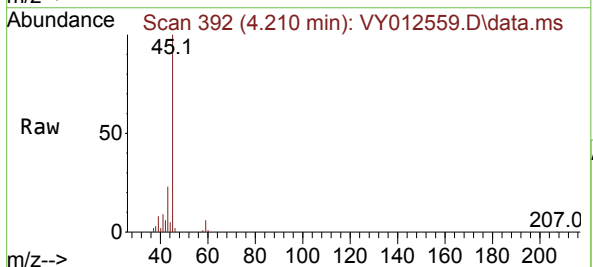
Tgt Ion: 41 Resp: 5583

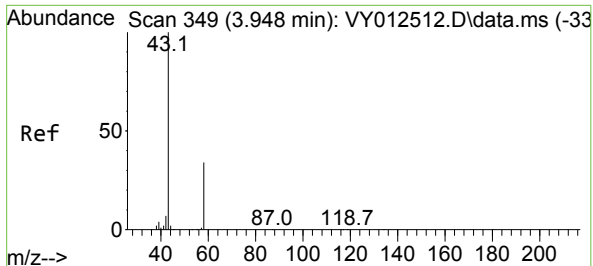
Ion Ratio Lower Upper

41 100

39 92.6 62.6 94.0

76 0.0 39.6 59.4#

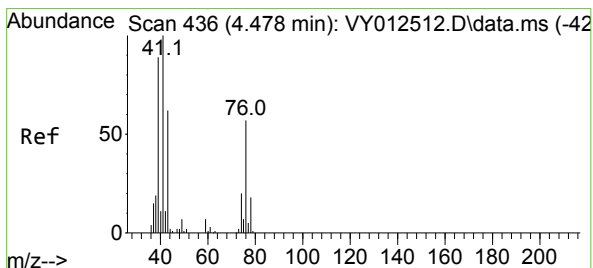
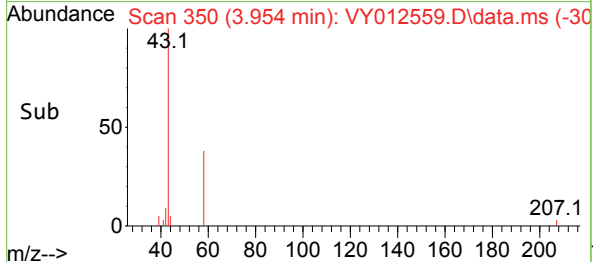
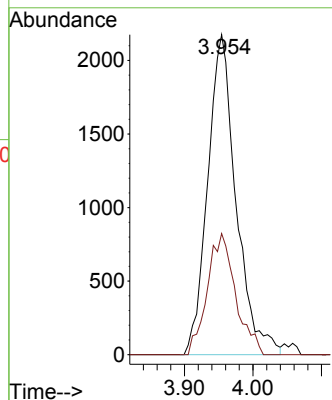
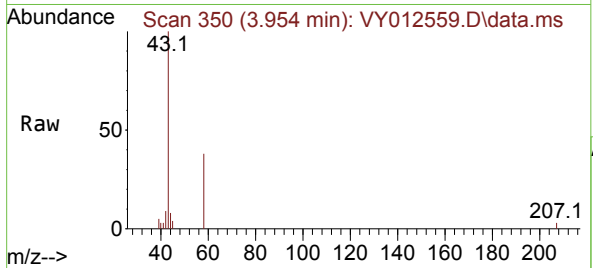




#16
Acetone
Concen: 13.231 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

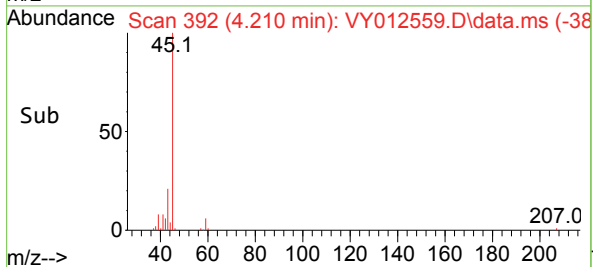
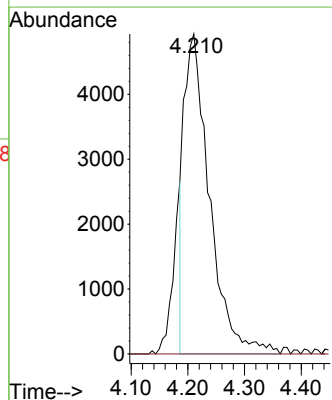
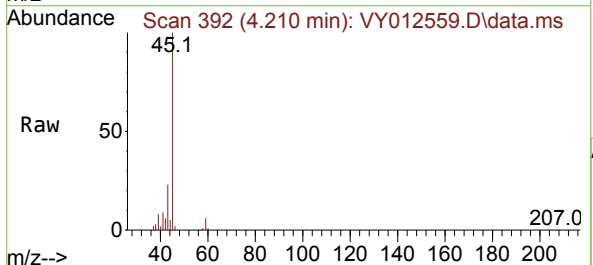
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

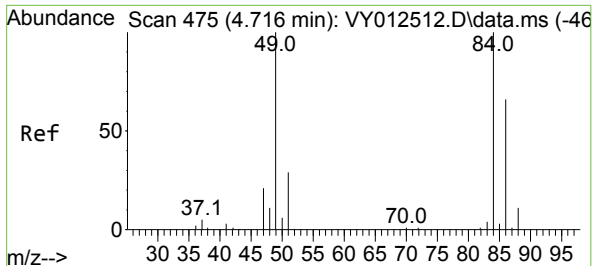
Tgt Ion: 43 Resp: 6259
Ion Ratio Lower Upper
43 100
58 37.8 27.1 40.7



#18
Methyl Acetate
Concen: 13.491 ug/l
RT: 4.210 min Scan# 392
Delta R.T. -0.268 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Tgt Ion: 43 Resp: 15340
Ion Ratio Lower Upper
43 100
74 0.0 25.6 38.4#



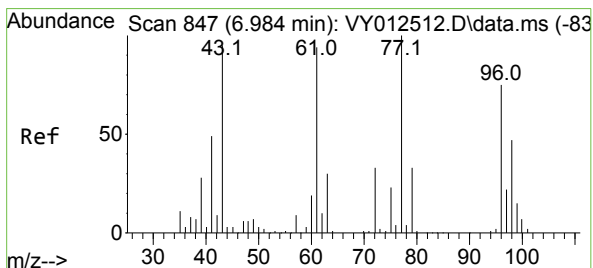
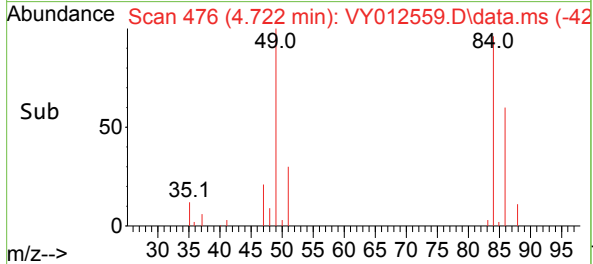
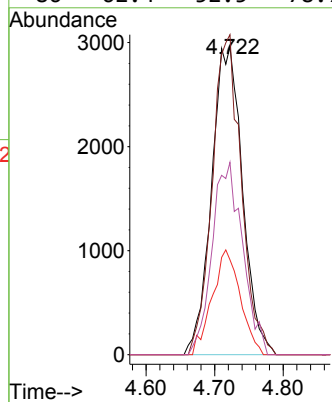
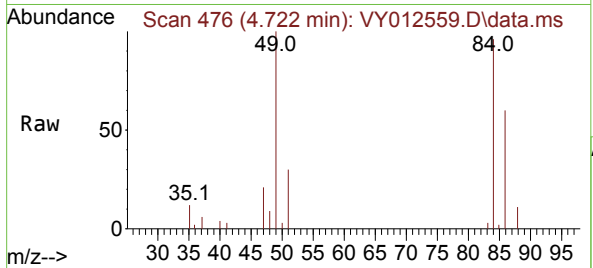


#20
Methylene Chloride
Concen: 1.144 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 9304

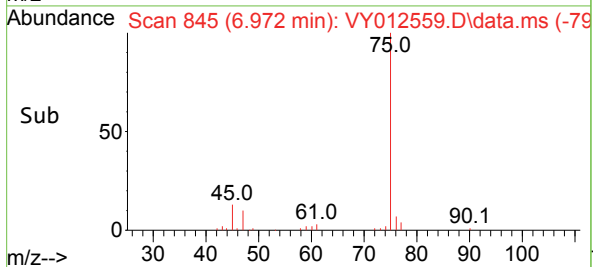
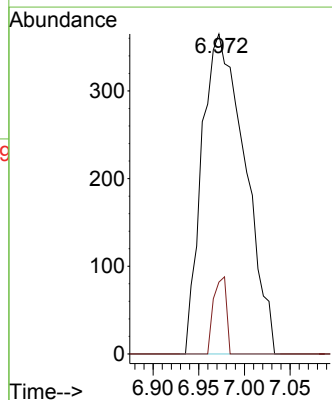
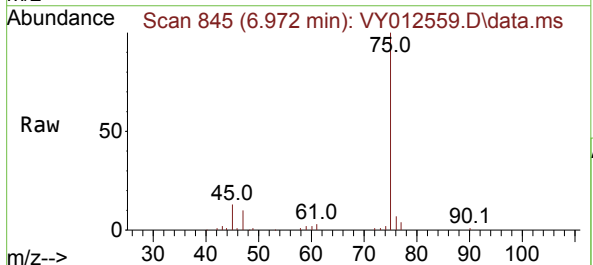
Ion	Ratio	Lower	Upper
84	100		
49	103.8	79.8	119.6
51	30.8	23.4	35.2
86	62.4	52.5	78.7

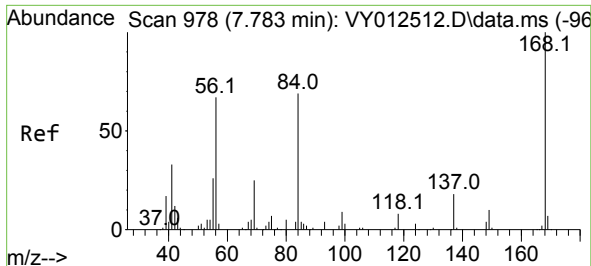


#25
2-Butanone
Concen: 2.275 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Tgt Ion: 43 Resp: 1194

Ion	Ratio	Lower	Upper
43	100		
72	22.5	27.4	41.2#

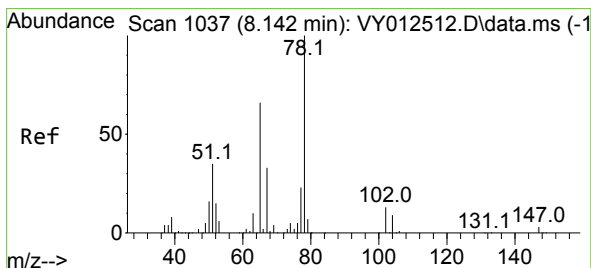
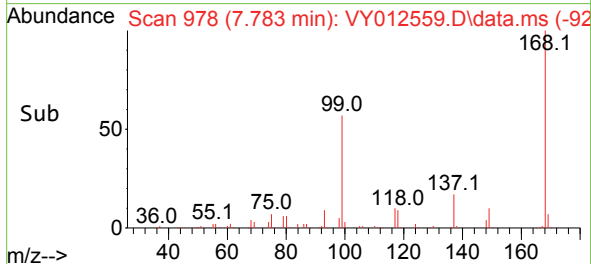
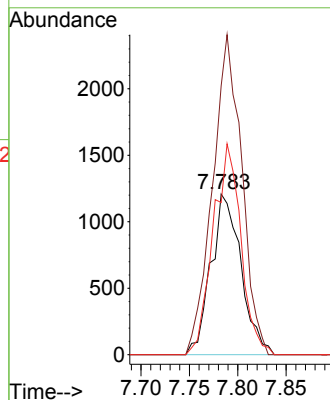
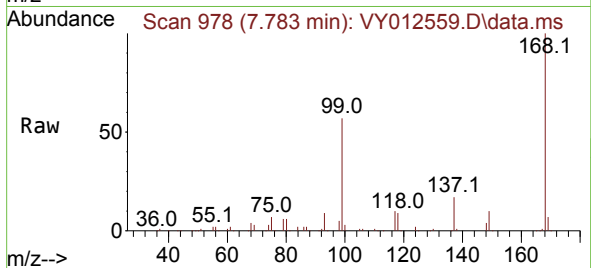




#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

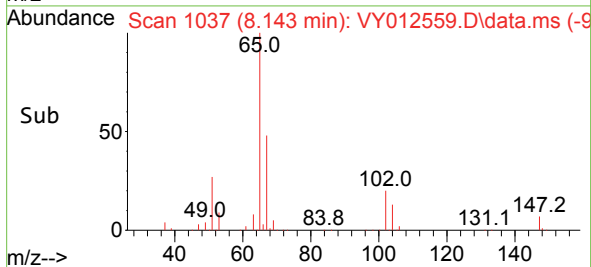
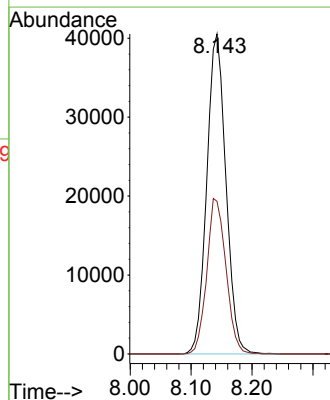
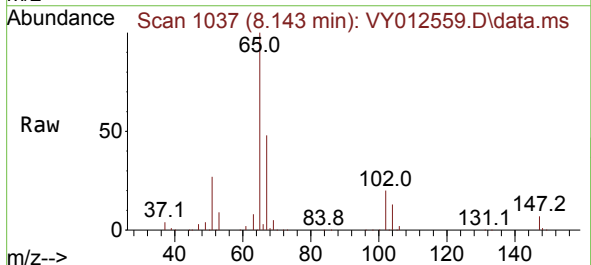
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

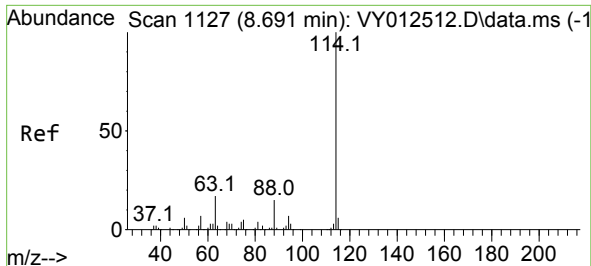
Tgt Ion: 56 Resp: 2607
Ion Ratio Lower Upper
56 100
69 167.4 29.5 44.3#
84 94.8 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 45.013 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Tgt Ion: 65 Resp: 88475
Ion Ratio Lower Upper
65 100
67 48.6 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012559.D

Acq: 09 Feb 2023 12:19

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

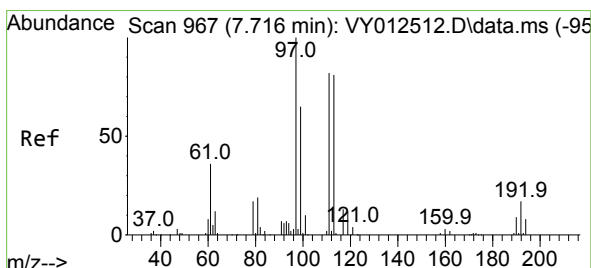
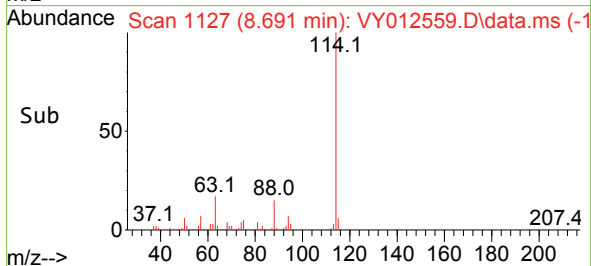
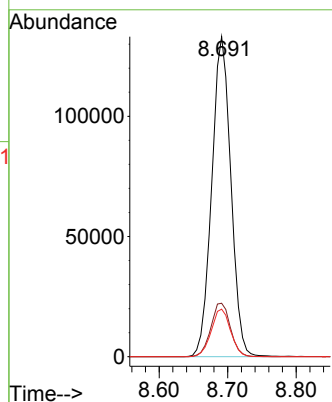
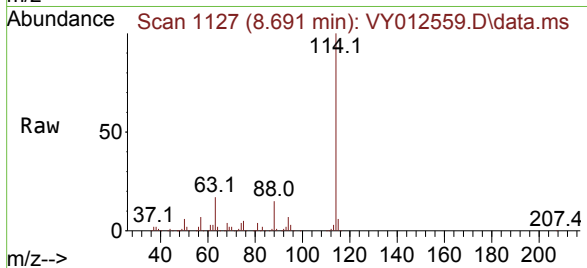
Tgt Ion:114 Resp: 257528

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.6

88 14.9 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.293 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012559.D

Acq: 09 Feb 2023 12:19

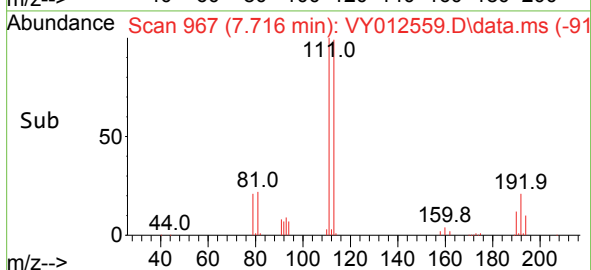
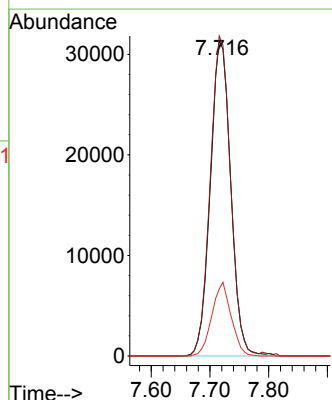
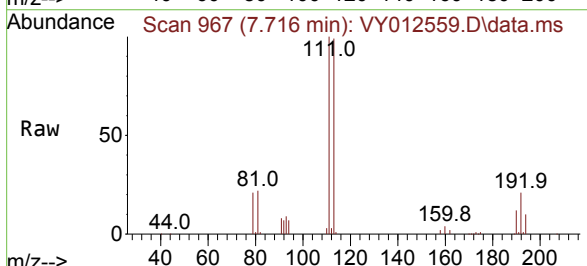
Tgt Ion:113 Resp: 75569

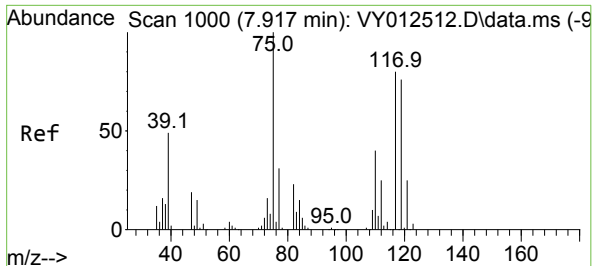
Ion Ratio Lower Upper

113 100

111 101.1 81.9 122.9

192 22.1 17.5 26.3





#36

1,1-Dichloropropene

Concen: 4.049 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012559.D

Acq: 09 Feb 2023 12:19

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MSVOA_Y

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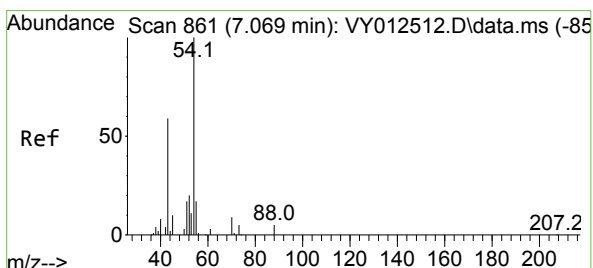
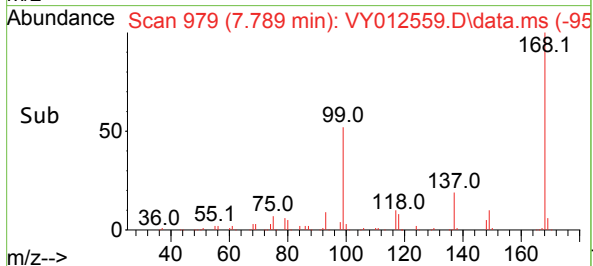
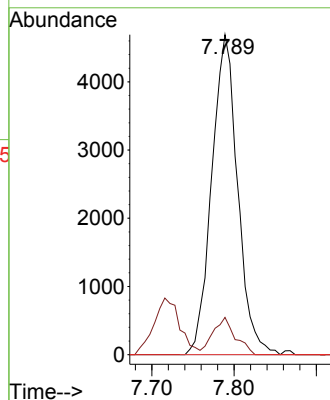
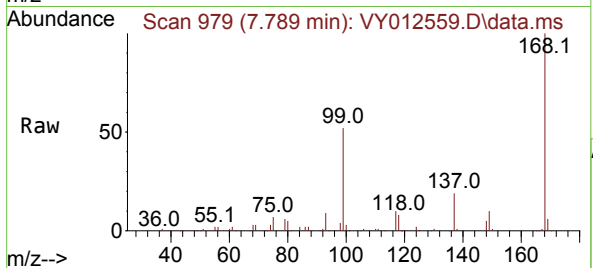
Tgt Ion: 75 Resp: 10278

Ion Ratio Lower Upper

75 100

110 10.0 19.5 58.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 1.042 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.097 min

Lab File: VY012559.D

Acq: 09 Feb 2023 12:19

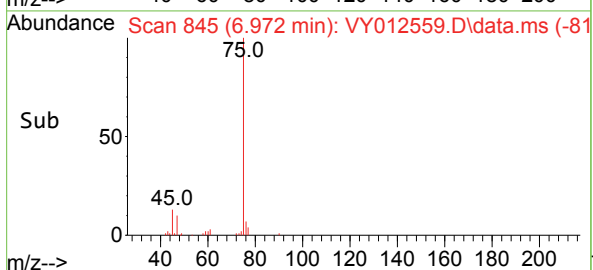
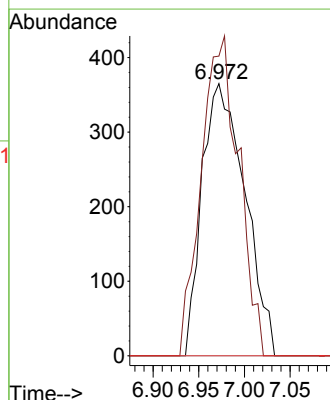
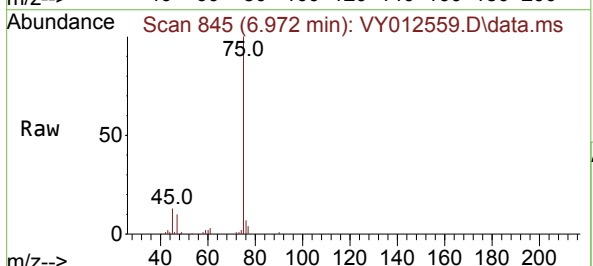
Tgt Ion: 43 Resp: 1194

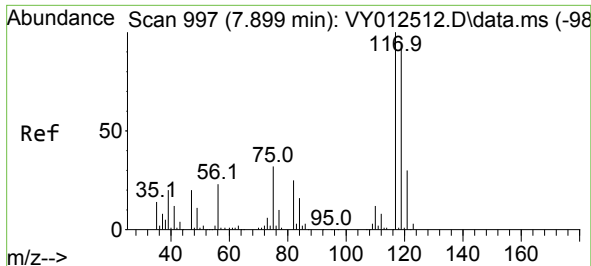
Ion Ratio Lower Upper

43 100

61 102.8 12.5 18.7#

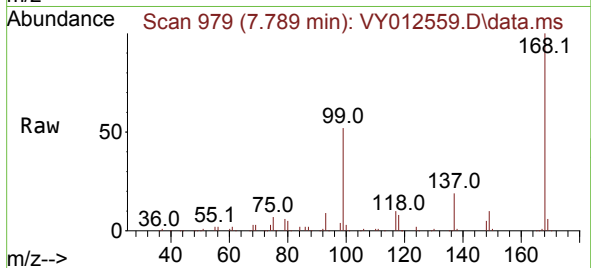
70 0.0 11.0 16.4#



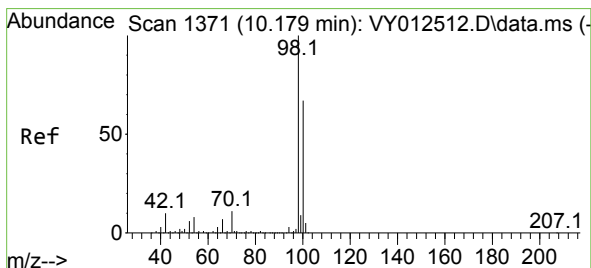
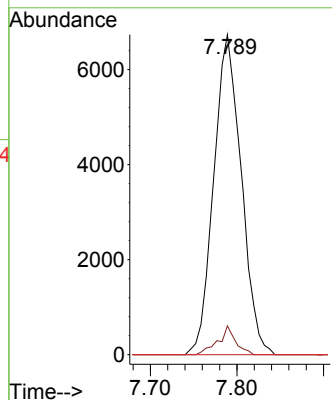
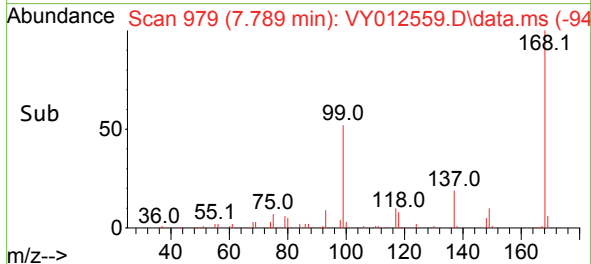


#38
Carbon Tetrachloride
Concen: 4.356 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

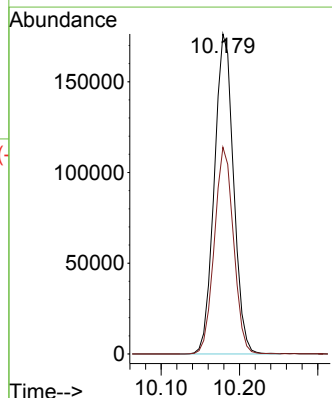
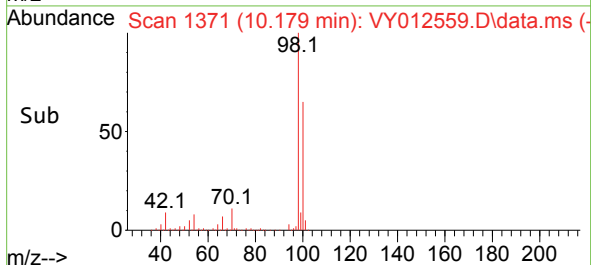
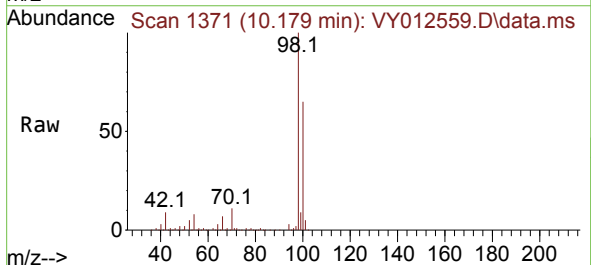


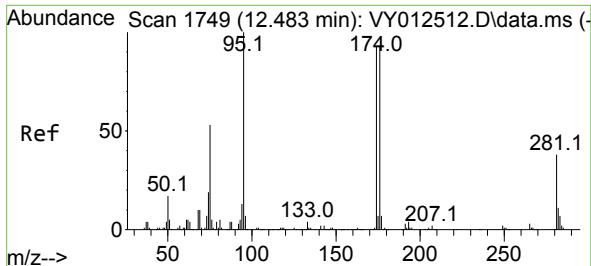
Tgt Ion:117 Resp: 14841
Ion Ratio Lower Upper
117 100
119 9.0 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.566 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Tgt Ion: 98 Resp: 301055
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2

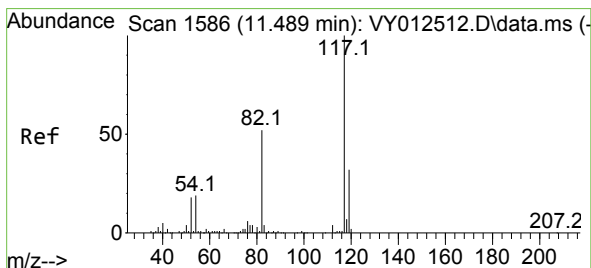
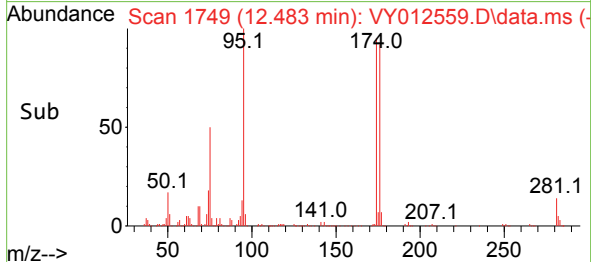
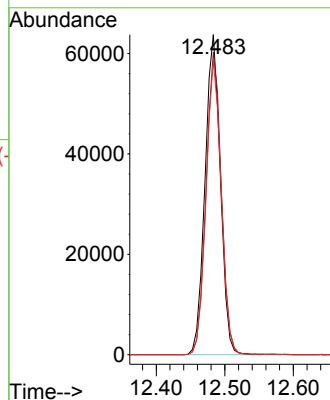
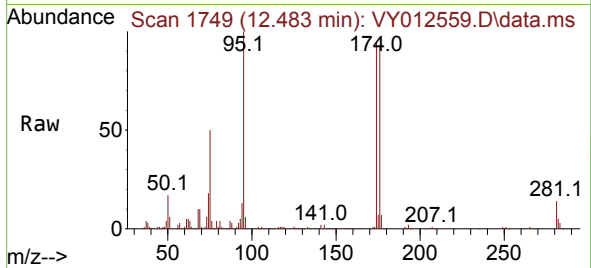




#62
4-Bromofluorobenzene
Concen: 36.465 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

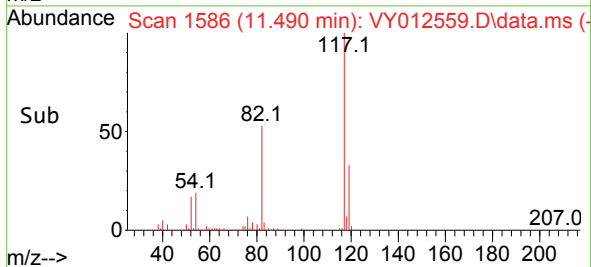
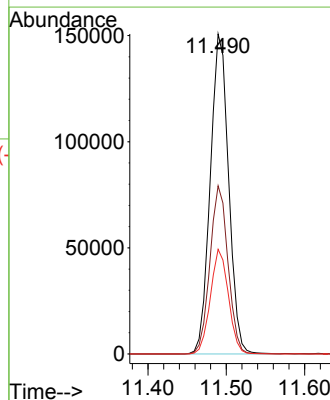
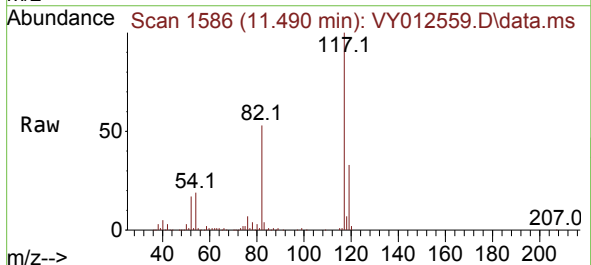
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

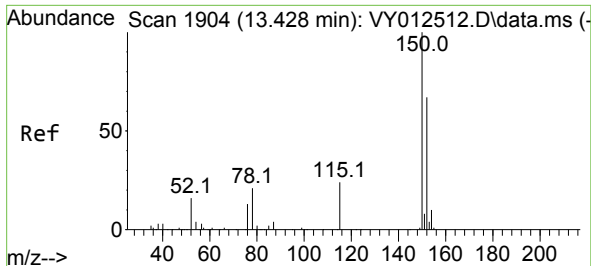
Tgt Ion: 95 Resp: 99290
Ion Ratio Lower Upper
95 100
174 94.6 0.0 188.0
176 91.2 0.0 183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012559.D
Acq: 09 Feb 2023 12:19

Tgt Ion: 117 Resp: 245203
Ion Ratio Lower Upper
117 100
82 52.6 41.7 62.5
119 32.7 25.8 38.8

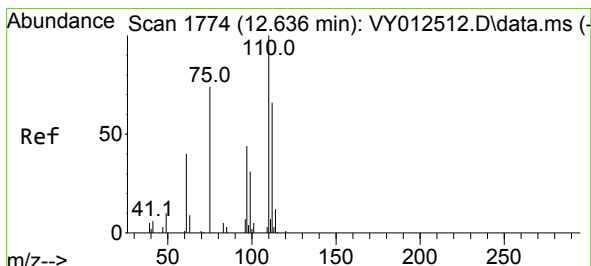
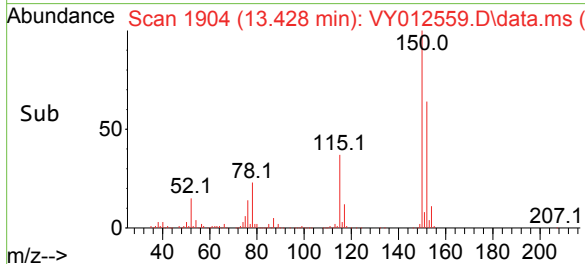
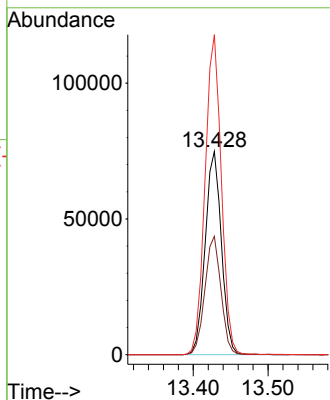
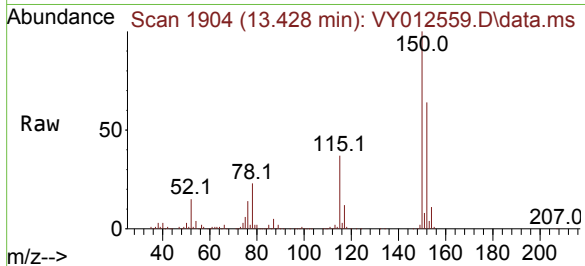




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012559.D
 Acq: 09 Feb 2023 12:19

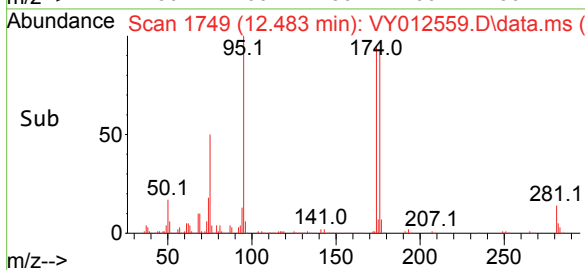
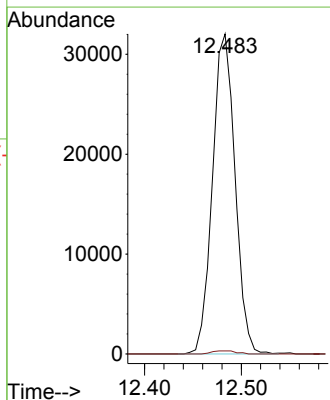
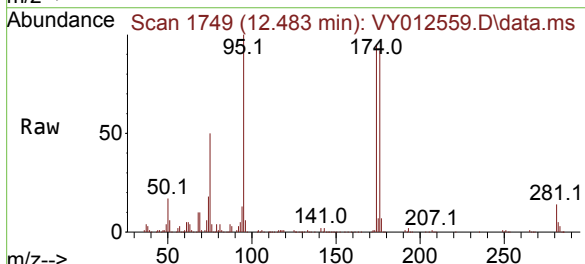
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

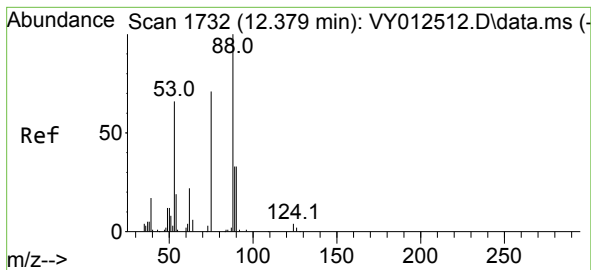
Tgt Ion:152 Resp: 112600
 Ion Ratio Lower Upper
 152 100
 115 57.9 28.1 84.3
 150 157.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 41.309 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012559.D
 Acq: 09 Feb 2023 12:19

Tgt Ion: 75 Resp: 51967
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 93.154 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012559.D
 Acq: 09 Feb 2023 12:19

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Tgt Ion: 75 Resp: 51967
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.2 39.9 59.9#

