

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012593.D
 Acq On : 14 Feb 2023 17:21
 Operator : KP/MD
 Sample : 01552-02
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-4.0-6.0

Quant Time: Feb 15 01:31:32 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)

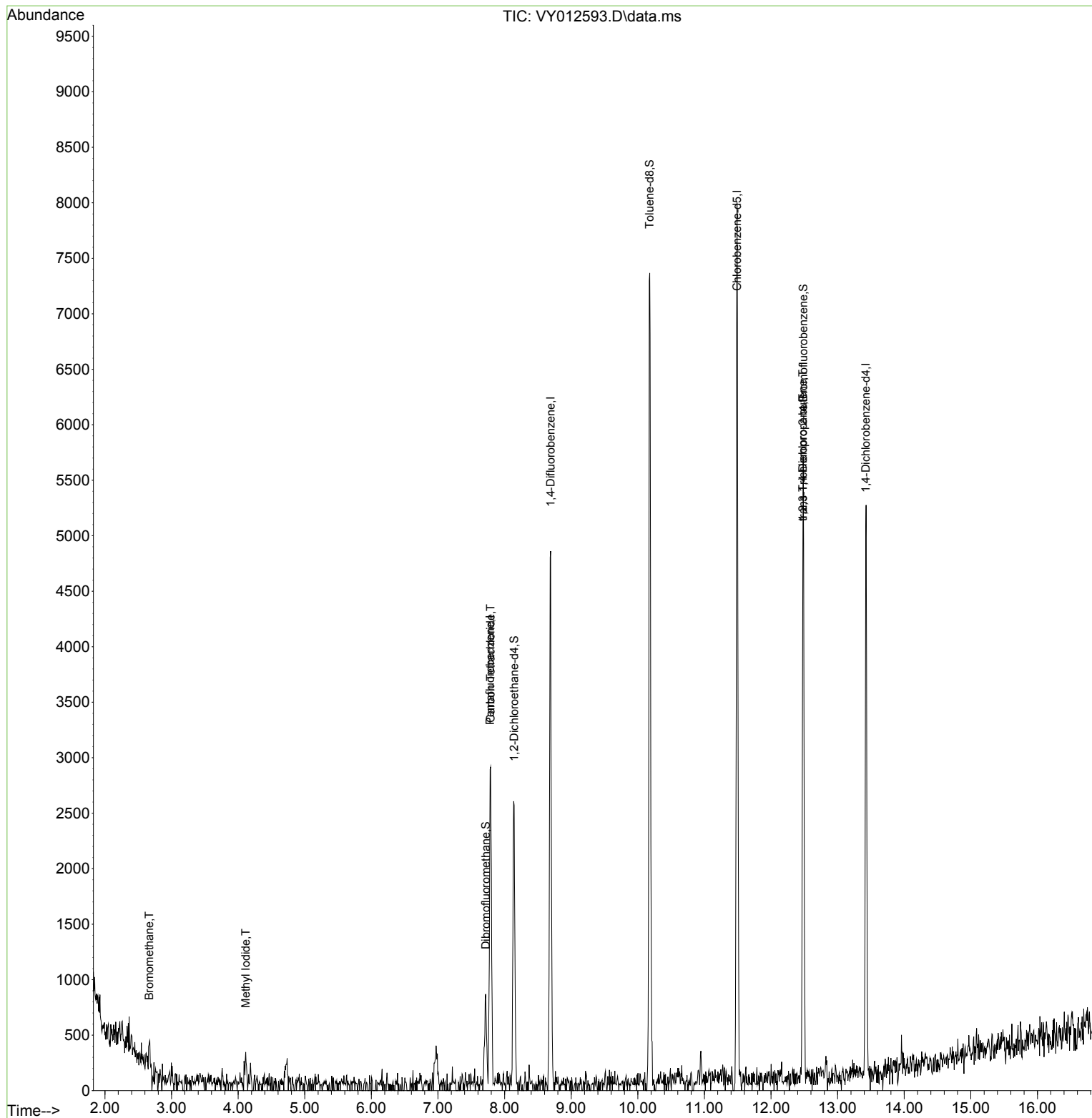
Internal Standards						
1) Pentafluorobenzene	7.783	168	2903	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.691	114	4929	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	5172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	2310	62.576	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.160%	
35) Dibromofluoromethane	7.716	113	722	20.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 40.220%#	
50) Toluene-d8	10.179	98	5758	38.538	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 77.080%	
62) 4-Bromofluorobenzene	12.483	95	1767	33.906	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 67.820%	
Target Compounds						Qvalue
5) Bromomethane	2.662	94	87	1.426	ug/l #	59
10) Methyl Iodide	4.113	142	301	7.938	ug/l #	67
38) Carbon Tetrachloride	7.789	117	223	3.420	ug/l #	13
76) 1,2,3-Trichloropropane	12.477	75	982	50.895	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	982	114.771	ug/l #	12

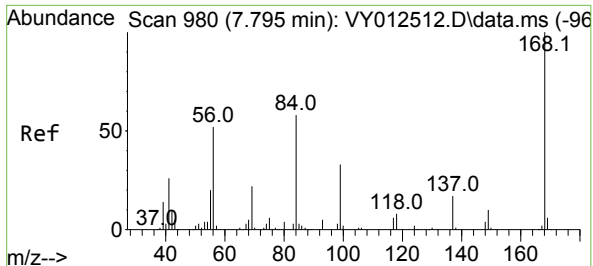
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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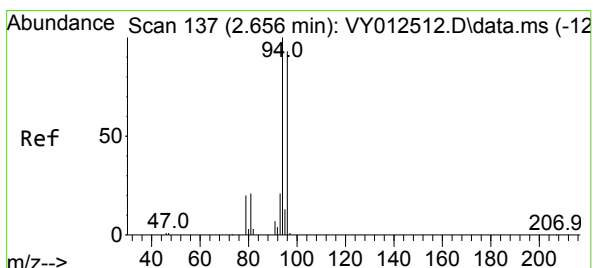
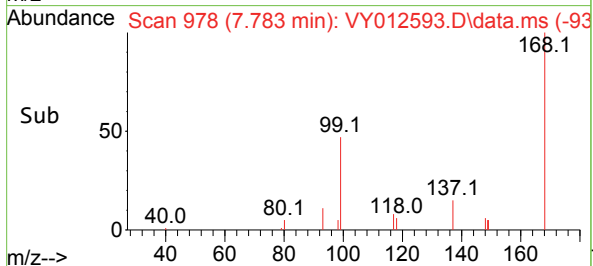
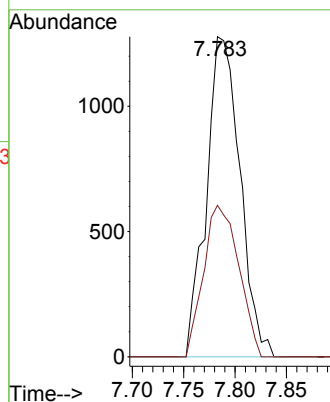
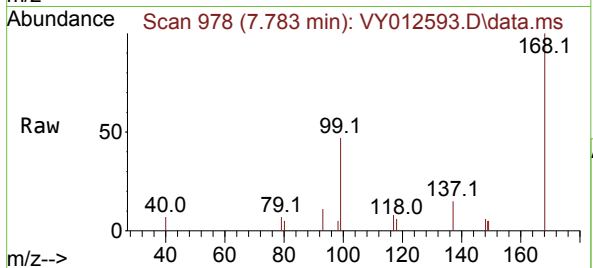




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

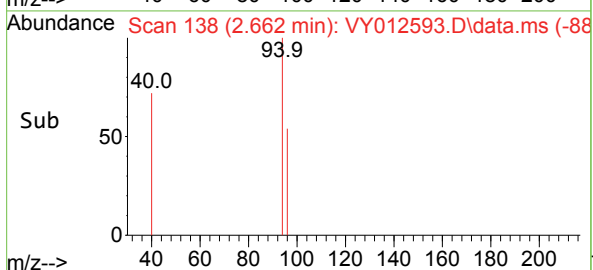
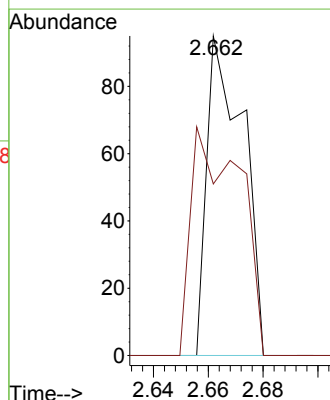
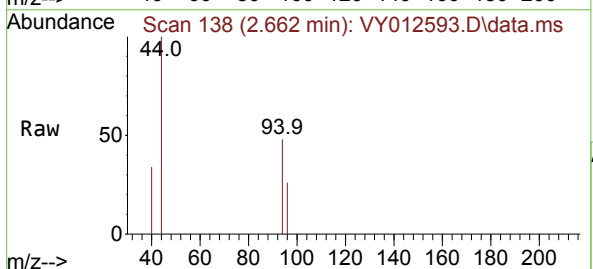
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-4.0-6.0

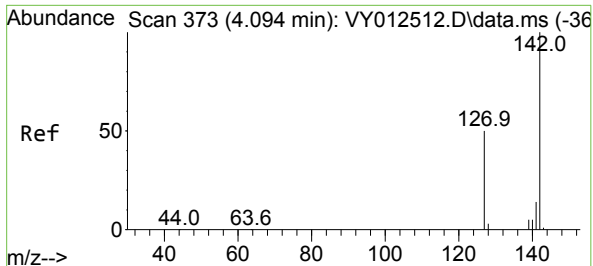
Tgt Ion:168 Resp: 2903
Ion Ratio Lower Upper
168 100
99 47.3 40.8 61.2



#5
Bromomethane
Concen: 1.426 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

Tgt Ion: 94 Resp: 87
Ion Ratio Lower Upper
94 100
96 53.7 74.7 112.1#

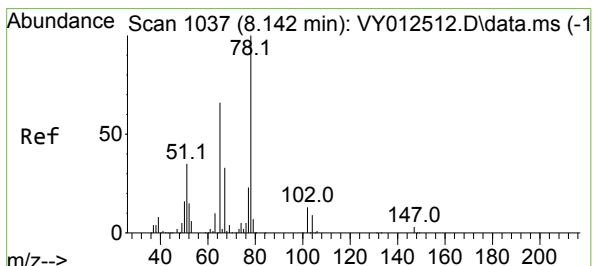
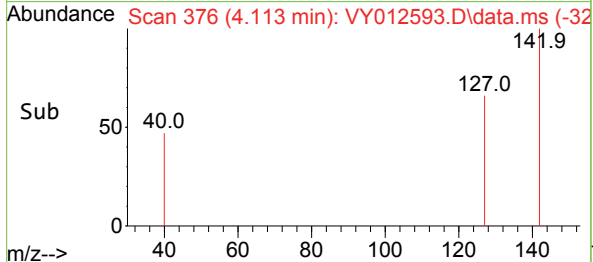
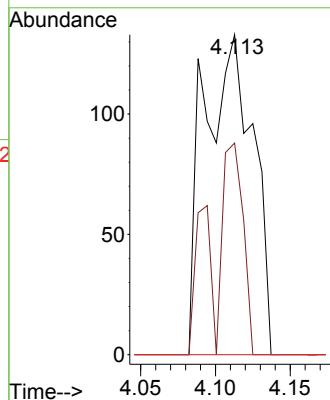
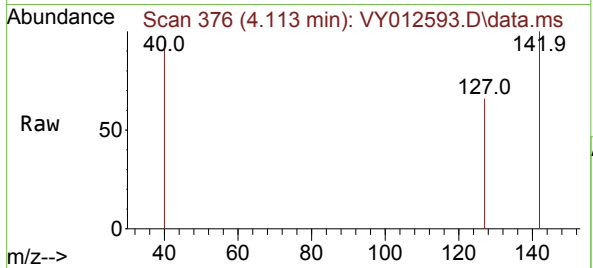




#10
Methyl Iodide
Concen: 7.938 ug/l
RT: 4.113 min Scan# 31
Delta R.T. 0.019 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

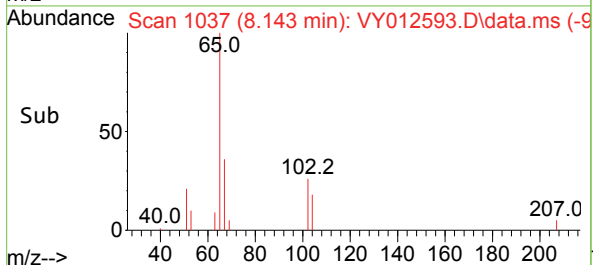
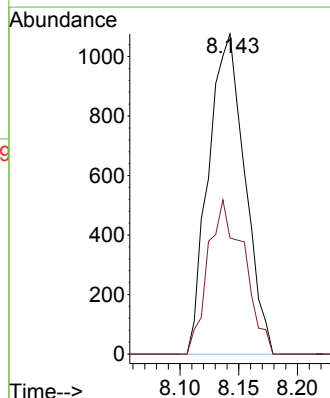
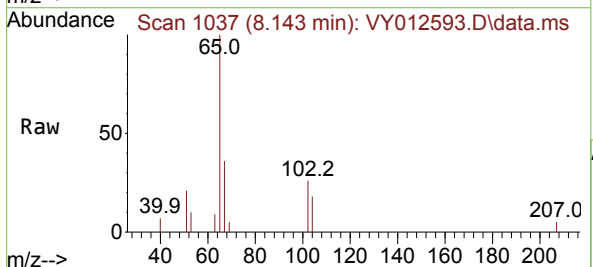
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-4.0-6.0

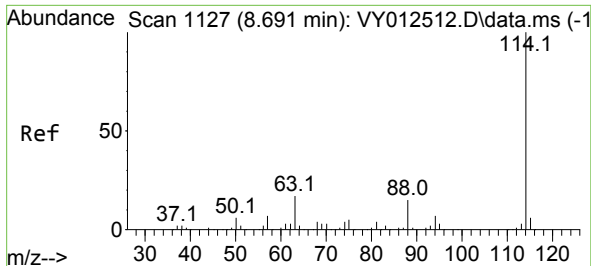
Tgt Ion:142 Resp: 301
Ion Ratio Lower Upper
142 100
127 27.6 39.8 59.6#
141 0.0 11.6 17.4#



#33
1,2-Dichloroethane-d4
Concen: 62.576 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

Tgt Ion: 65 Resp: 2310
Ion Ratio Lower Upper
65 100
67 47.8 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: VY012593.D

Acq: 14 Feb 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SB-01-4.0-6.0

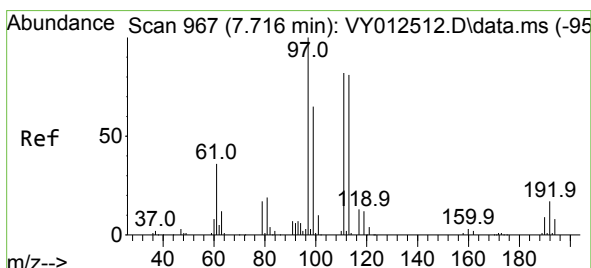
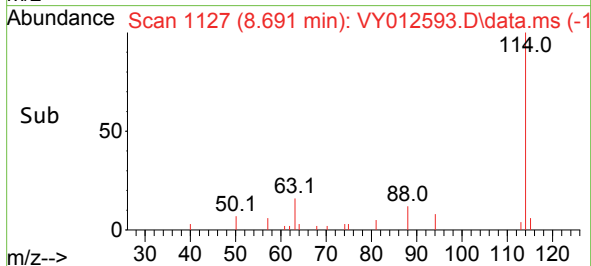
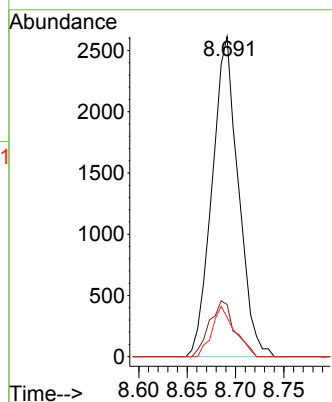
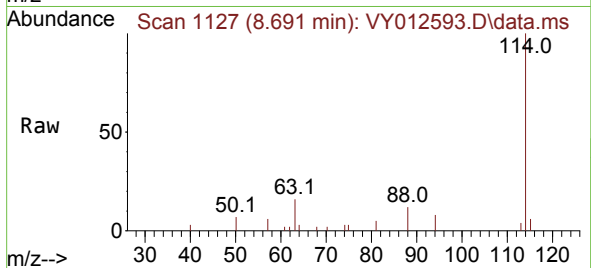
Tgt Ion:114 Resp: 4929

Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.6

88 12.3 0.0 29.8



#35

Dibromofluoromethane

Concen: 20.114 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012593.D

Acq: 14 Feb 2023 17:21

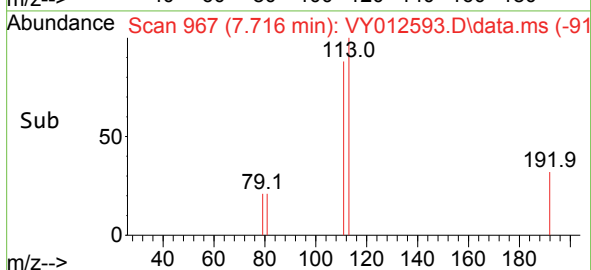
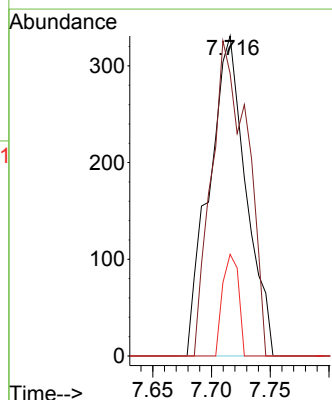
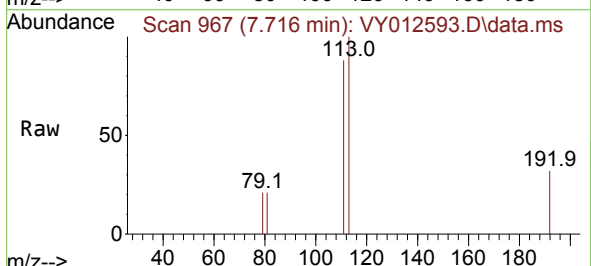
Tgt Ion:113 Resp: 722

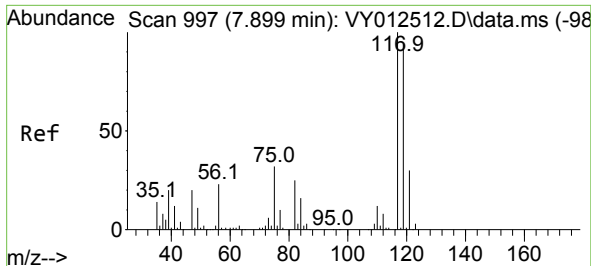
Ion Ratio Lower Upper

113 100

111 96.1 81.9 122.9

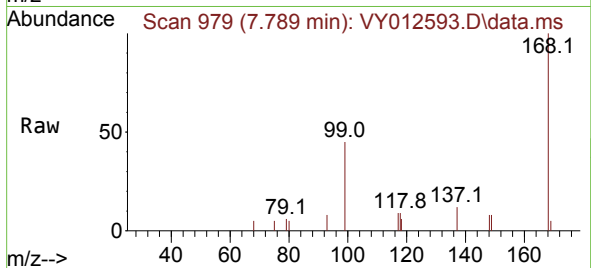
192 13.7 17.5 26.3#



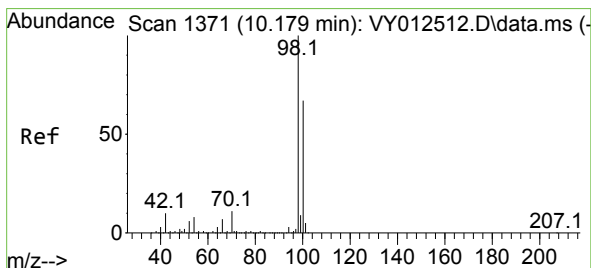
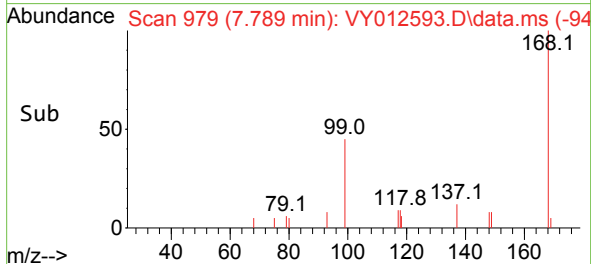
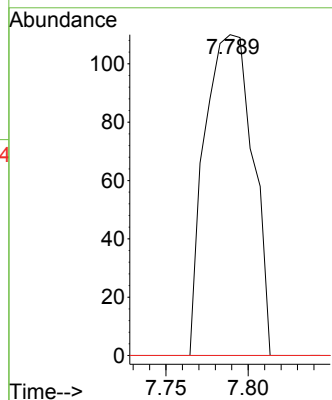


#38
Carbon Tetrachloride
Concen: 3.420 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

Instrument :
MSVOA_Y
ClientSampleId :
SB-01-4.0-6.0

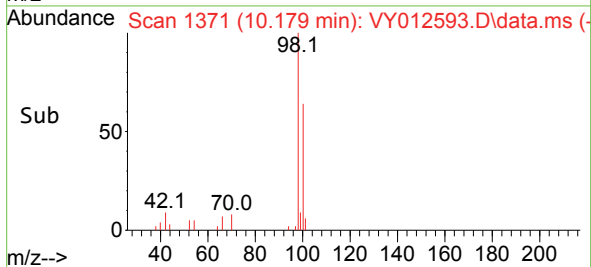
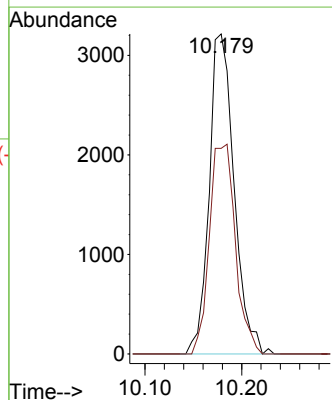
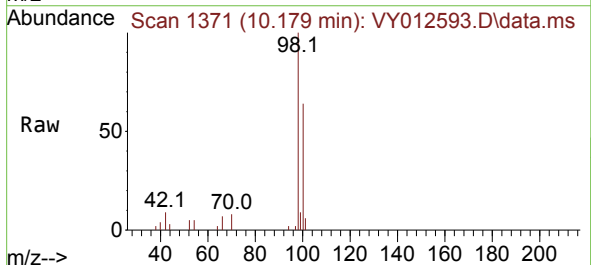


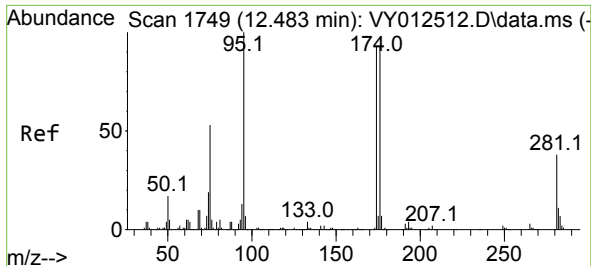
Tgt Ion:117 Resp: 223
Ion Ratio Lower Upper
117 100
119 0.0 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.538 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

Tgt Ion: 98 Resp: 5758
Ion Ratio Lower Upper
98 100
100 68.4 52.2 78.2

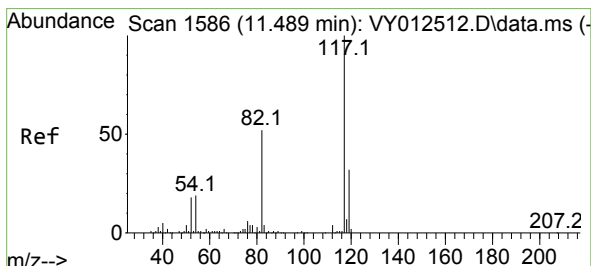
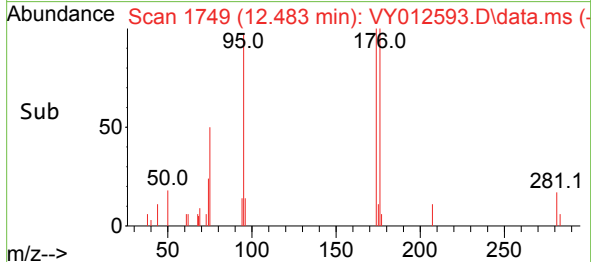
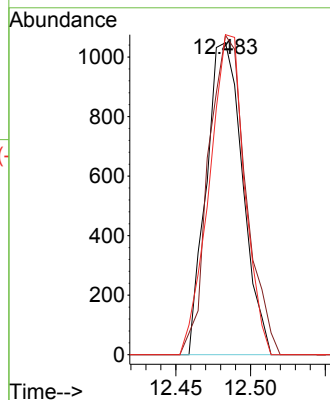
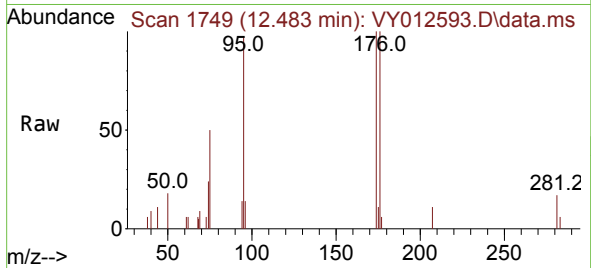




#62
4-Bromofluorobenzene
Concen: 33.906 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

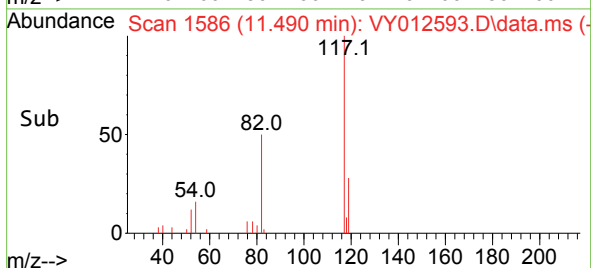
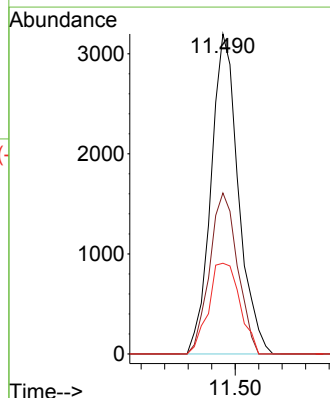
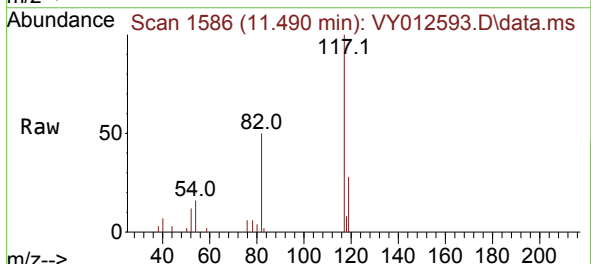
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-4.0-6.0

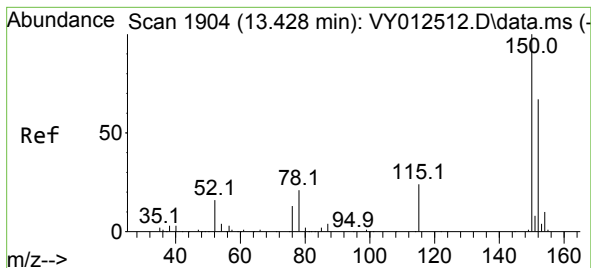
Tgt Ion:	95	Resp:	1767
Ion	Ratio	Lower	Upper
95	100		
174	105.4	0.0	188.0
176	99.9	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012593.D
Acq: 14 Feb 2023 17:21

Tgt Ion:	117	Resp:	5172
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.7	62.5
119	28.4	25.8	38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY012593.D

Acq: 14 Feb 2023 17:21

Instrument :

MSVOA_Y

ClientSampleId :

SB-01-4.0-6.0

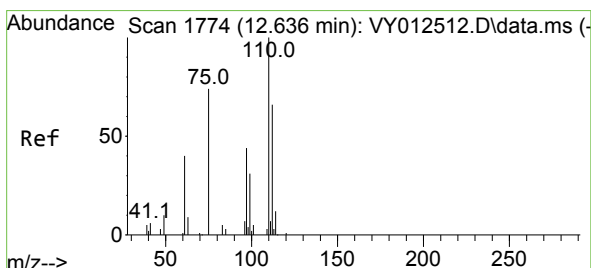
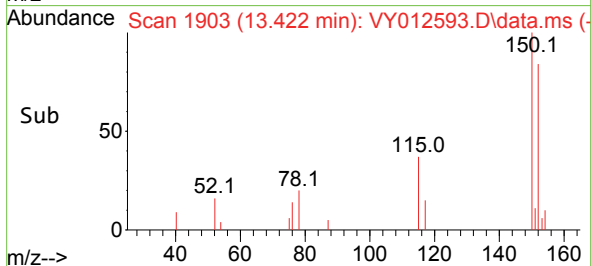
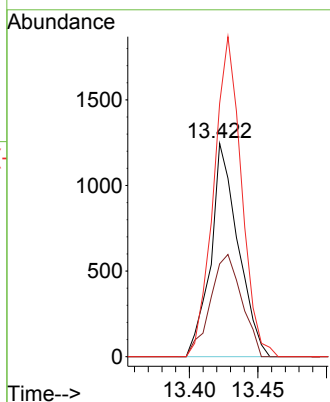
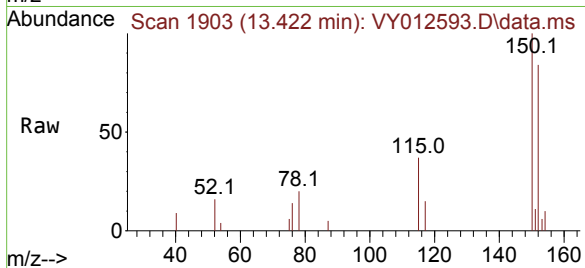
Tgt Ion:152 Resp: 1727

Ion Ratio Lower Upper

152 100

115 55.0 28.1 84.3

150 152.2 0.0 351.0



#76

1,2,3-Trichloropropane

Concen: 50.895 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY012593.D

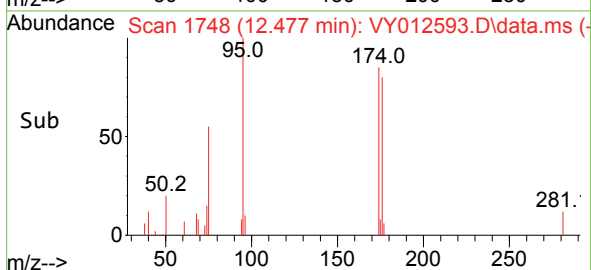
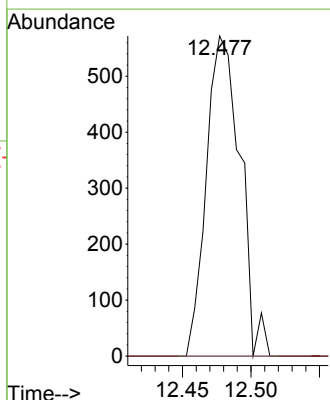
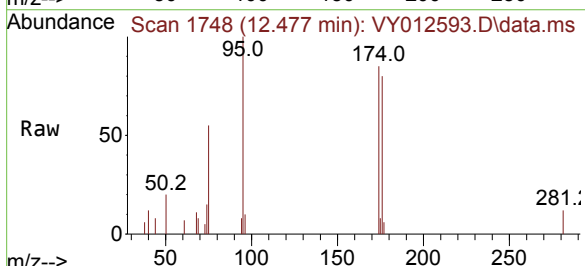
Acq: 14 Feb 2023 17:21

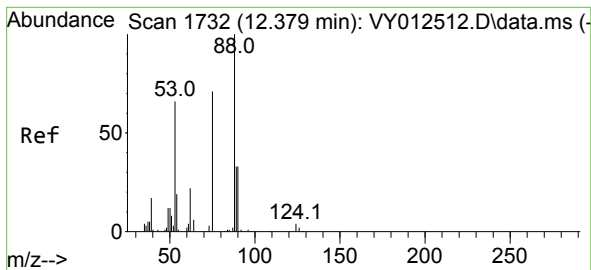
Tgt Ion: 75 Resp: 982

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.771 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY012593.D
 Acq: 14 Feb 2023 17:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-01-4.0-6.0

Tgt Ion: 75 Resp: 982
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

