

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021423\
 Data File : VY012594.D
 Acq On : 14 Feb 2023 17:45
 Operator : KP/MD
 Sample : 01552-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Feb 15 01:32:07 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)

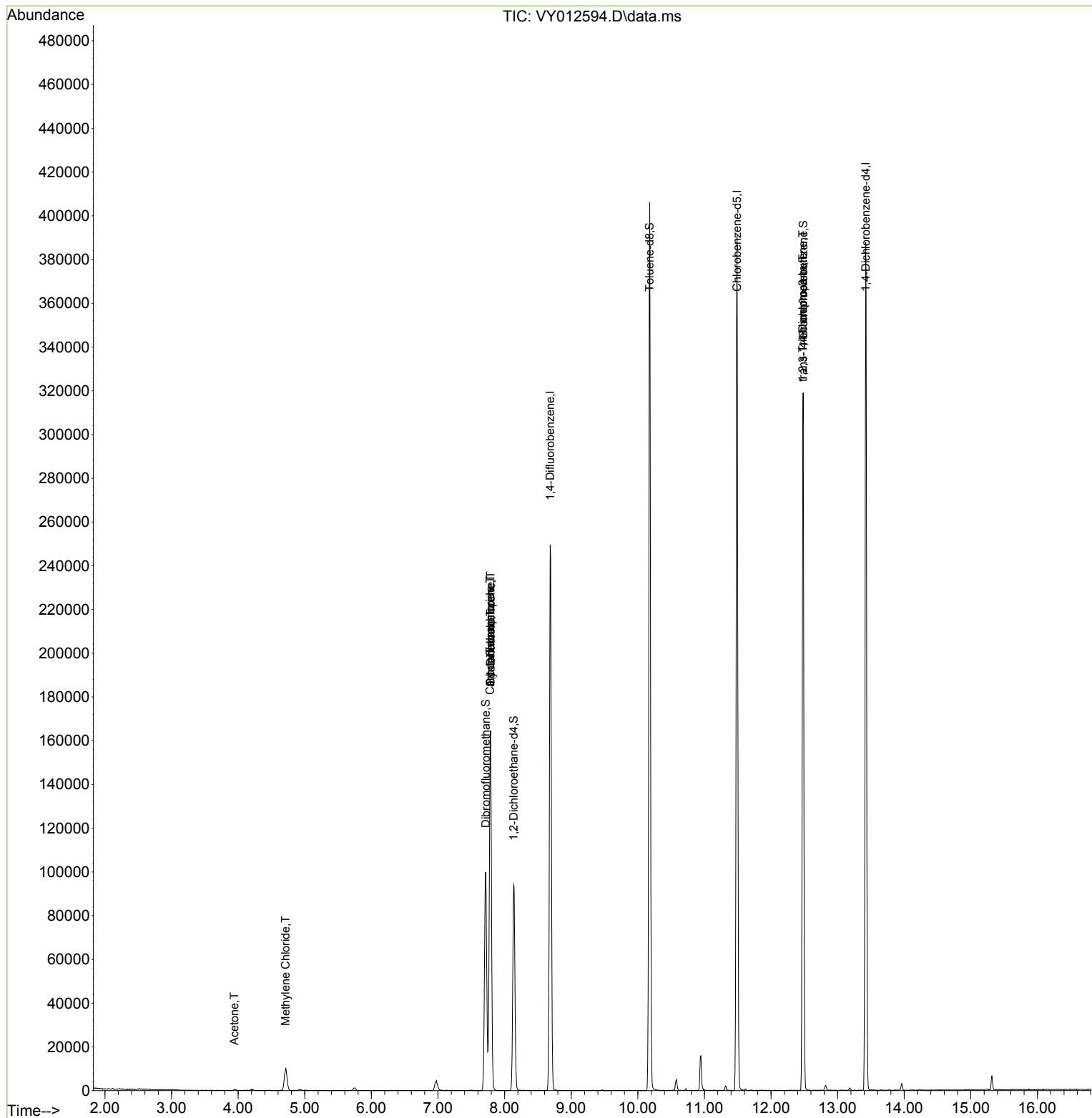
Internal Standards						
1) Pentafluorobenzene	7.789	168	136060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	227022	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	227146	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	106756	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81433	47.066	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	94.140%		
35) Dibromofluoromethane	7.716	113	67620	40.900	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.800%		
50) Toluene-d8	10.178	98	270756	39.345	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	78.700%		
62) 4-Bromofluorobenzene	12.483	95	90110	37.541	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	75.080%		
Target Compounds						
11) Tert butyl alcohol	4.942	59	384	Below Cal	#	75
16) Acetone	3.942	43	695	1.669	ug/l #	74
20) Methylene Chloride	4.710	84	8212	1.160	ug/l #	86
31) Cyclohexane	7.789	56	2219	1.109	ug/l #	43
36) 1,1-Dichloropropene	7.789	75	8691	3.884	ug/l #	50
38) Carbon Tetrachloride	7.783	117	12330	4.105	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	46979	39.388	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46979	88.823	ug/l #	12

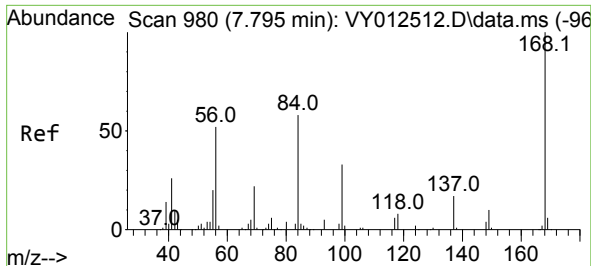
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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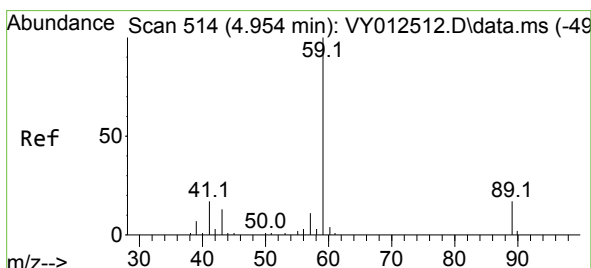
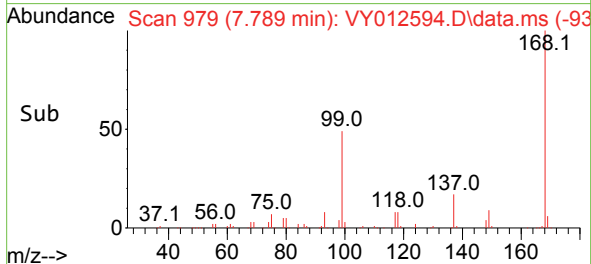
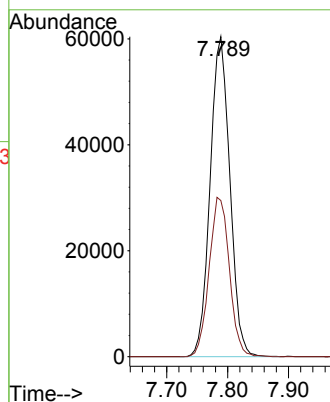
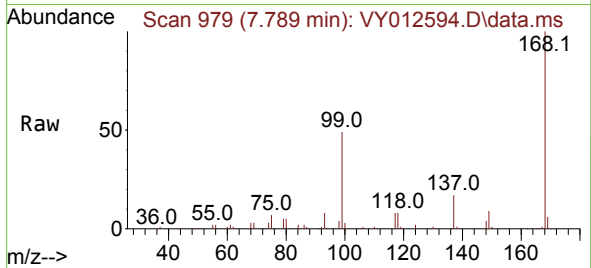




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

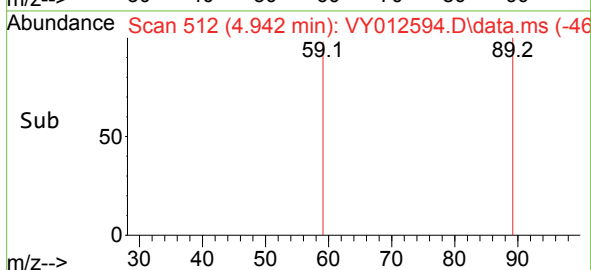
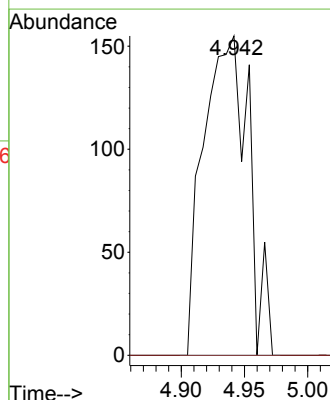
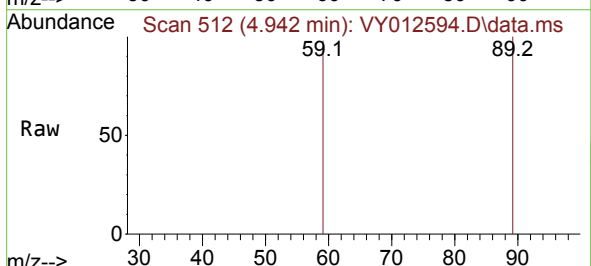
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-4.0-6.0-DUP

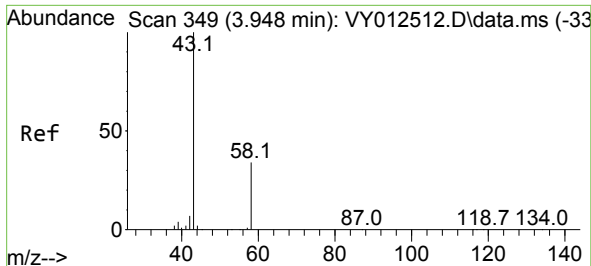
Tgt Ion:168 Resp: 136060
Ion Ratio Lower Upper
168 100
99 48.8 40.8 61.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

Tgt Ion: 59 Resp: 384
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

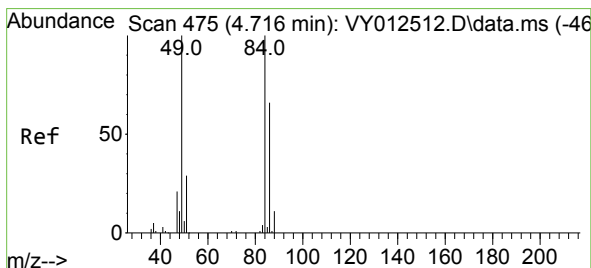
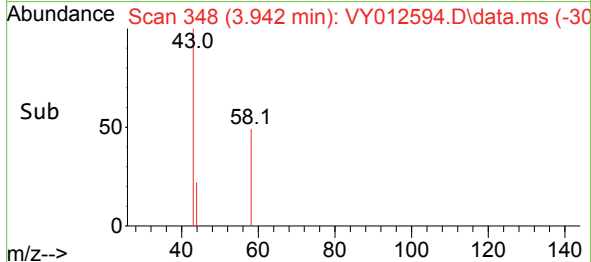
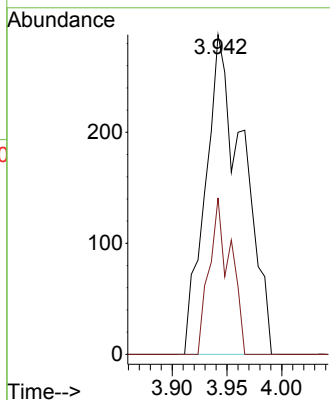
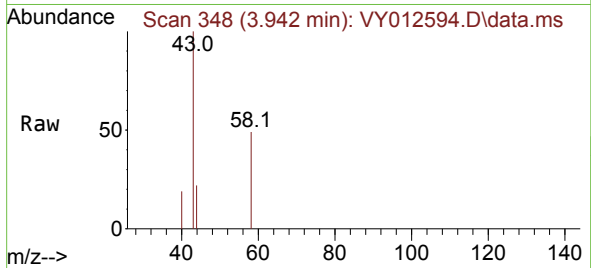




#16
Acetone
Concen: 1.669 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

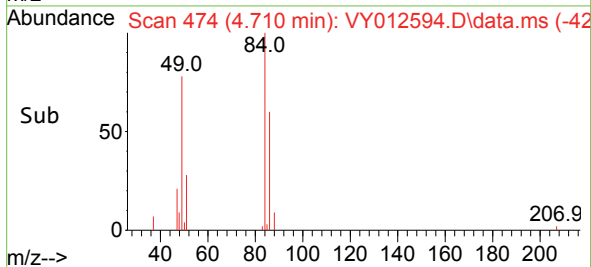
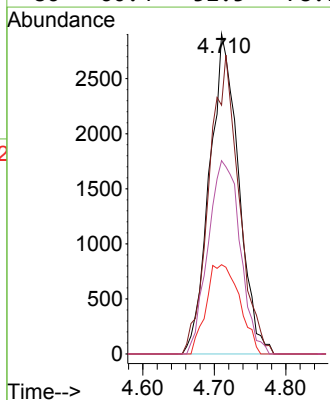
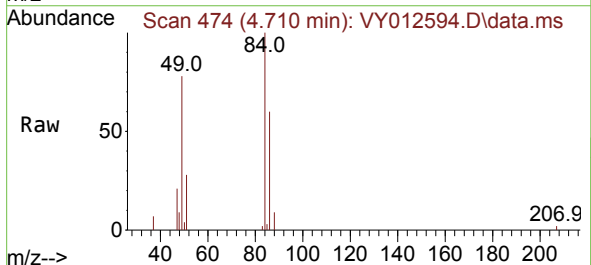
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-4.0-6.0-DUP

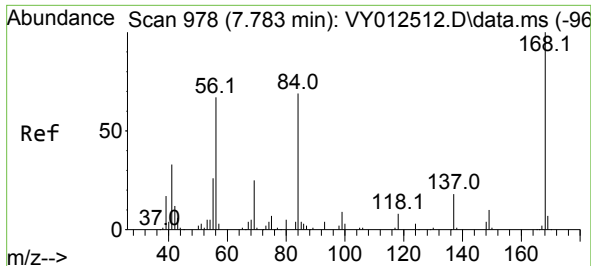
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
58 49.0 27.1 40.7#



#20
Methylene Chloride
Concen: 1.160 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

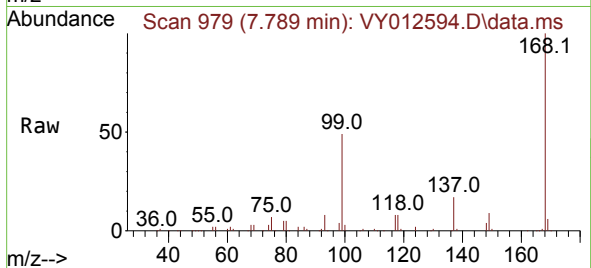
Tgt Ion: 84 Resp: 8212
Ion Ratio Lower Upper
84 100
49 77.7 79.8 119.6#
51 27.9 23.4 35.2
86 60.4 52.5 78.7



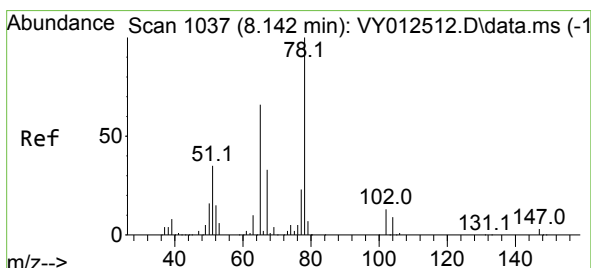
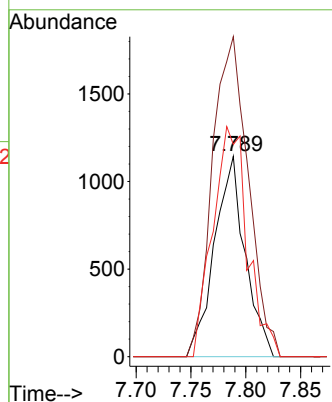
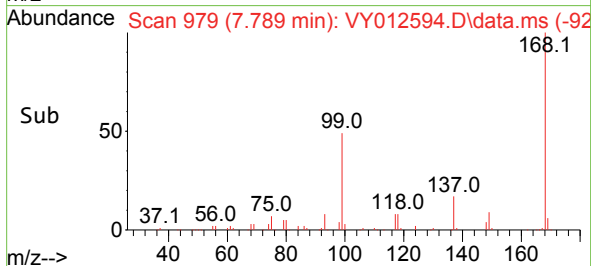


#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

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

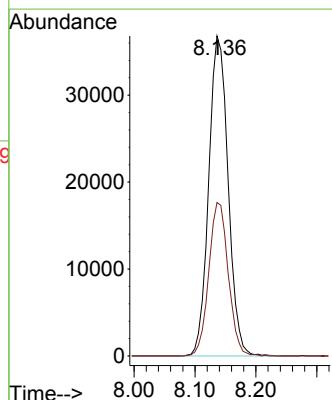
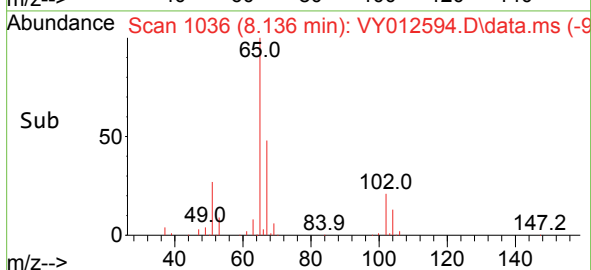
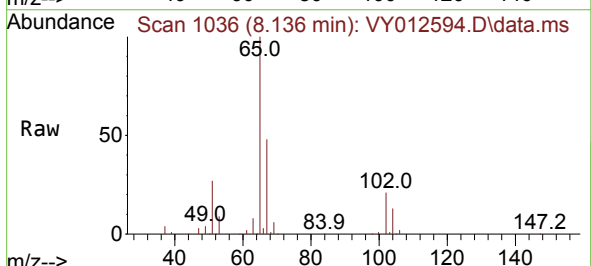


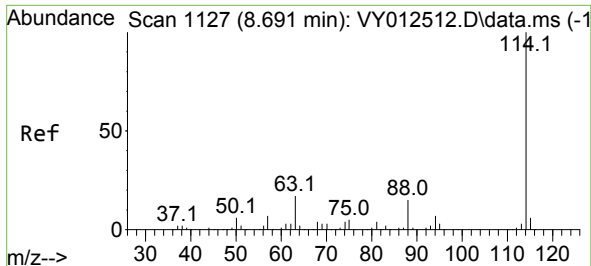
Tgt Ion: 56 Resp: 2219
Ion Ratio Lower Upper
56 100
69 159.7 29.5 44.3#
84 105.9 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 47.066 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

Tgt Ion: 65 Resp: 81433
Ion Ratio Lower Upper
65 100
67 48.3 0.0 98.6

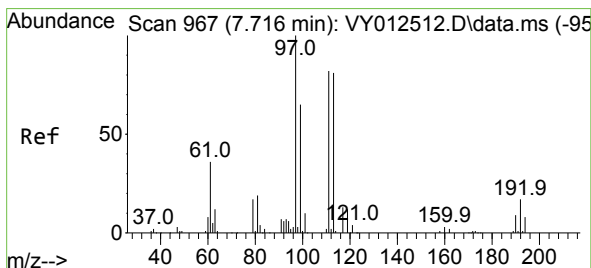
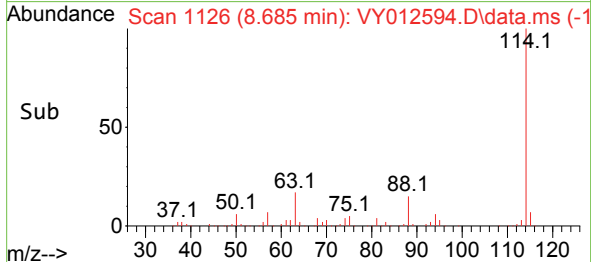
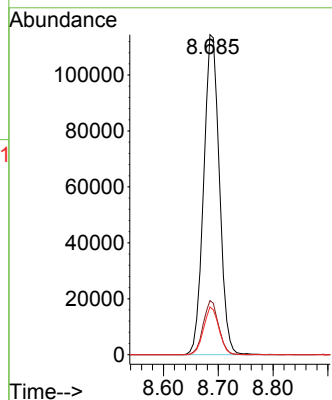
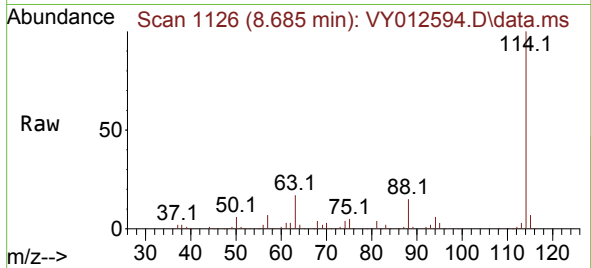




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

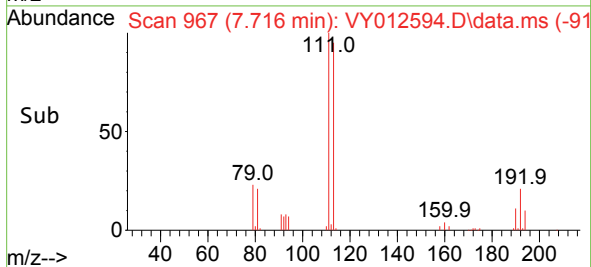
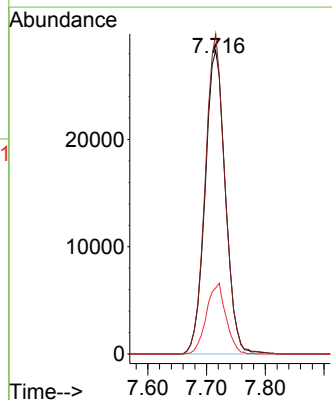
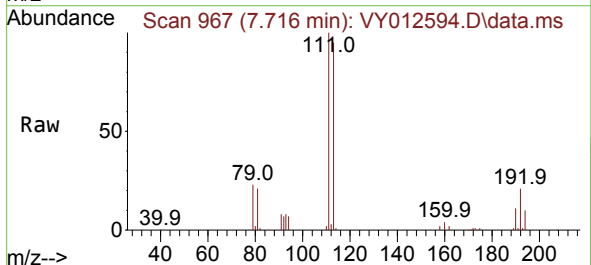
Instrument :
MSVOA_Y
ClientSampleId :
SB-01-4.0-6.0-DUP

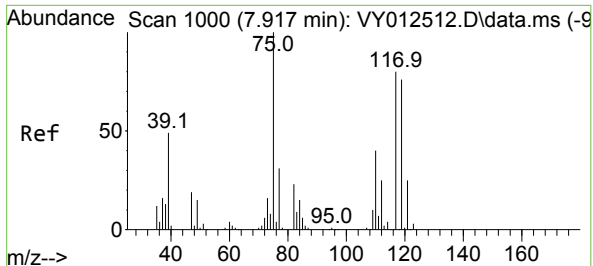
Tgt Ion:114 Resp: 227022
Ion Ratio Lower Upper
114 100
63 16.9 0.0 33.6
88 14.9 0.0 29.8



#35
Dibromofluoromethane
Concen: 40.900 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

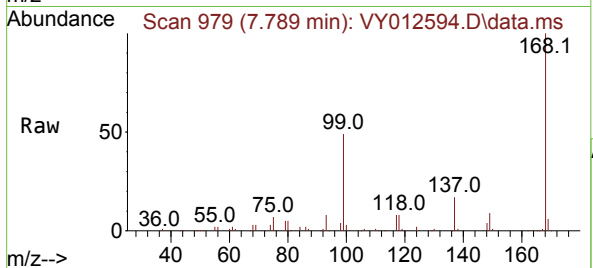
Tgt Ion:113 Resp: 67620
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 22.5 17.5 26.3



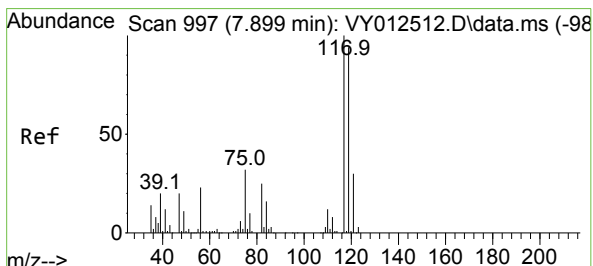
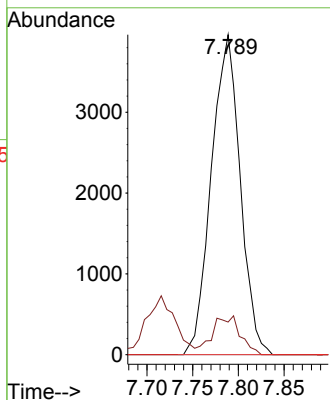
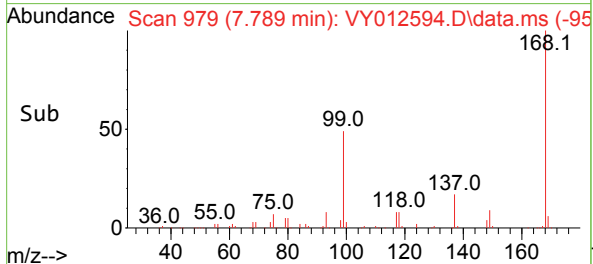


#36
1,1-Dichloropropene
Concen: 3.884 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

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

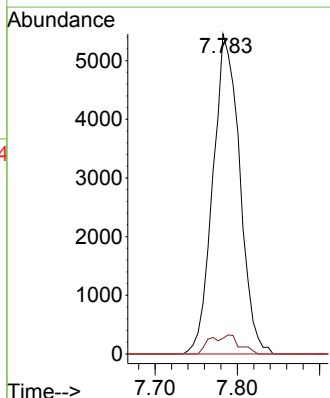
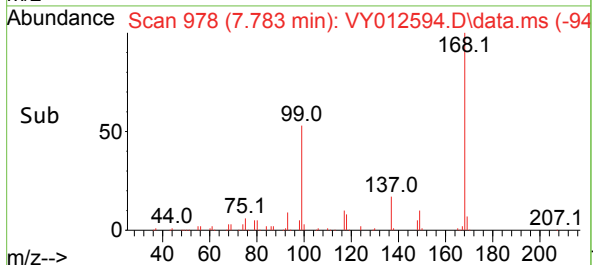
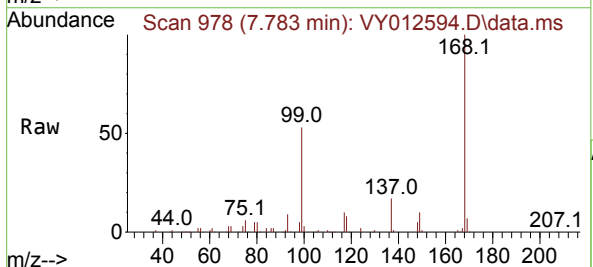


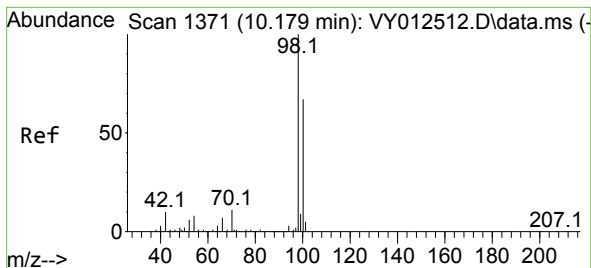
Tgt Ion: 75 Resp: 8691
Ion Ratio Lower Upper
75 100
110 11.7 19.5 58.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.105 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

Tgt Ion: 117 Resp: 12330
Ion Ratio Lower Upper
117 100
119 4.9 75.1 112.7#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 39.345 ug/l

RT: 10.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012594.D

Acq: 14 Feb 2023 17:45

Instrument :

MSVOA_Y

ClientSampleId :

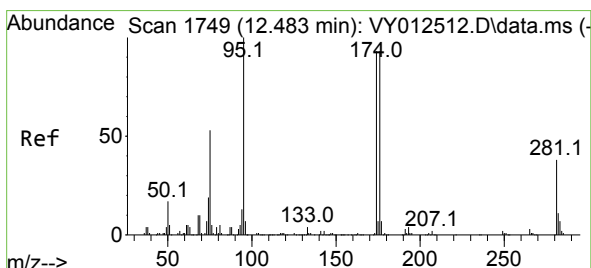
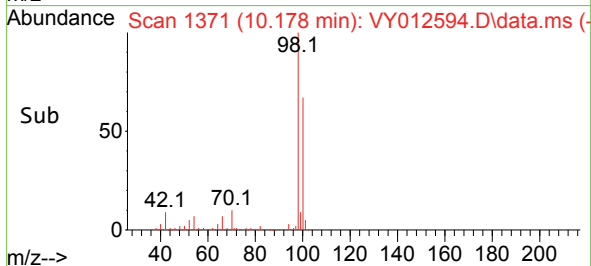
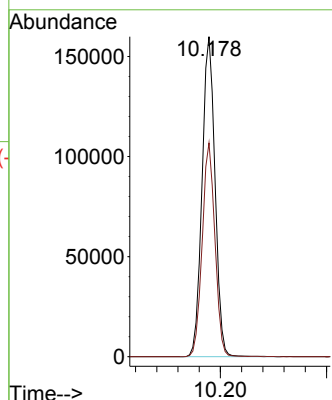
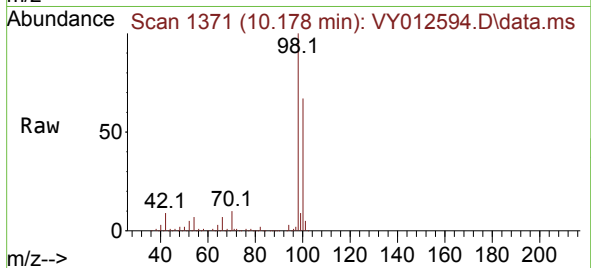
SB-01-4.0-6.0-DUP

Tgt Ion: 98 Resp: 270756

Ion Ratio Lower Upper

98 100

100 65.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 37.541 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012594.D

Acq: 14 Feb 2023 17:45

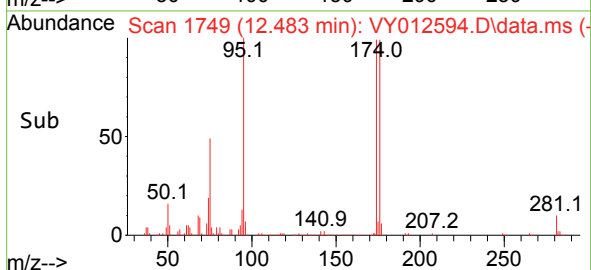
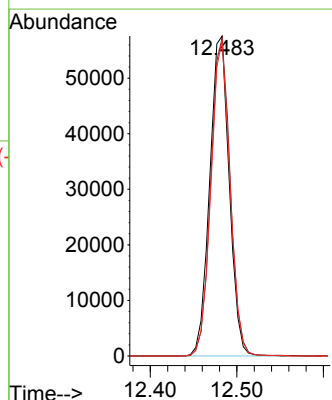
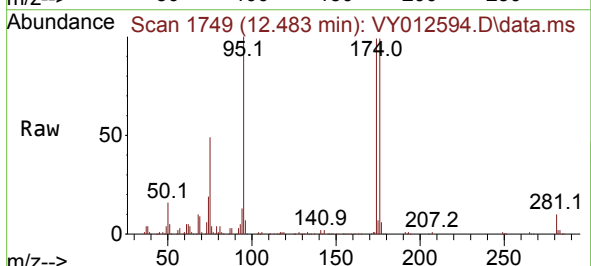
Tgt Ion: 95 Resp: 90110

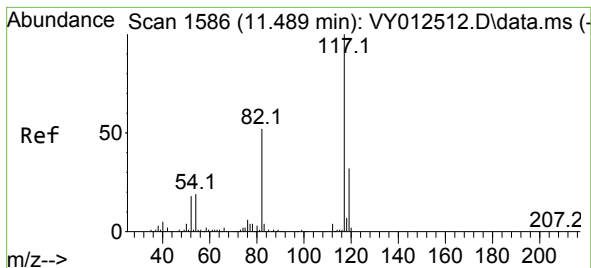
Ion Ratio Lower Upper

95 100

174 98.3 0.0 188.0

176 96.2 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012594.D

Acq: 14 Feb 2023 17:45

Instrument :

MSVOA_Y

ClientSampleId :

SB-01-4.0-6.0-DUP

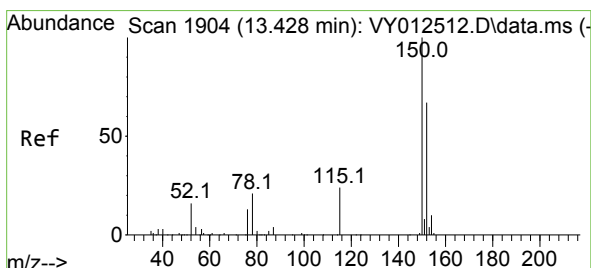
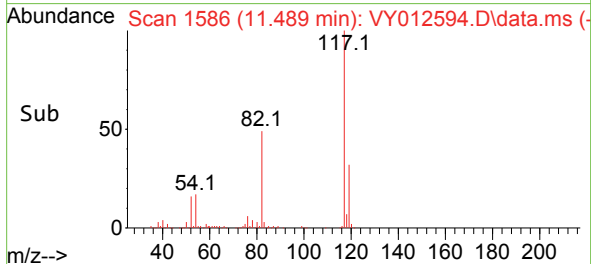
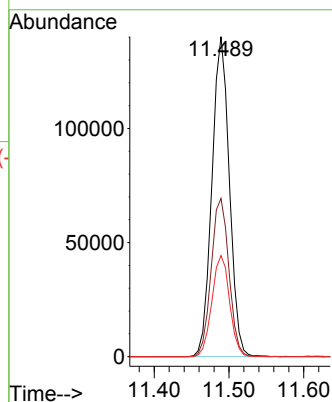
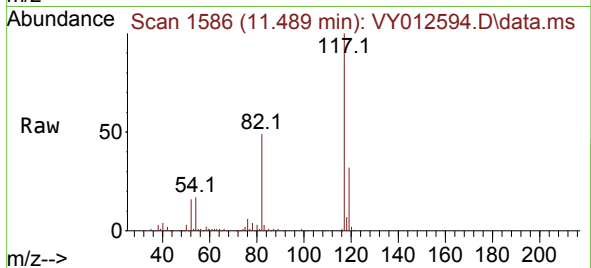
Tgt Ion:117 Resp: 227146

Ion Ratio Lower Upper

117 100

82 49.5 41.7 62.5

119 31.6 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY012594.D

Acq: 14 Feb 2023 17:45

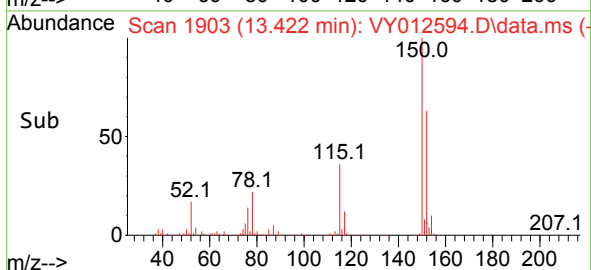
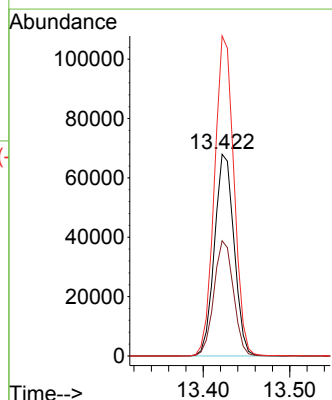
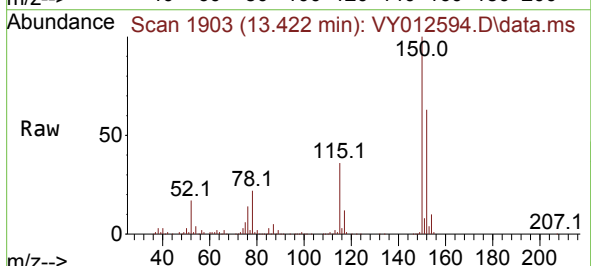
Tgt Ion:152 Resp: 106756

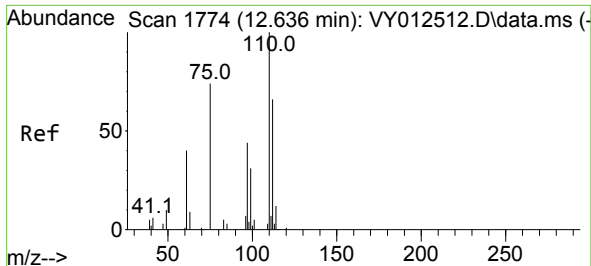
Ion Ratio Lower Upper

152 100

115 57.0 28.1 84.3

150 158.0 0.0 351.0

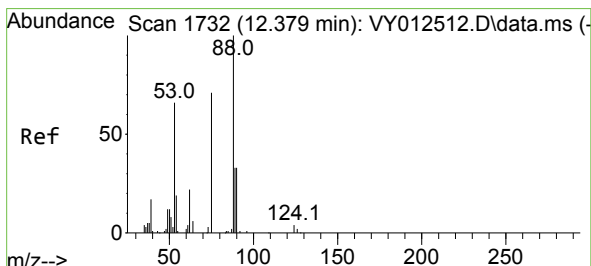
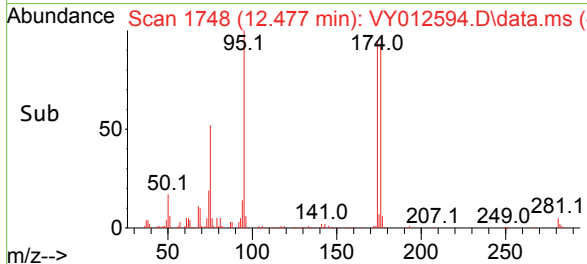
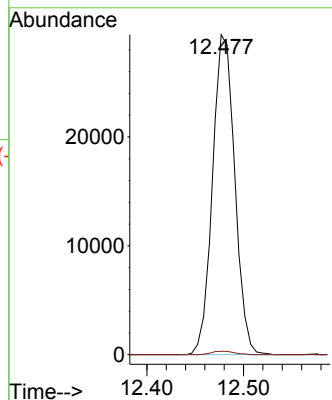
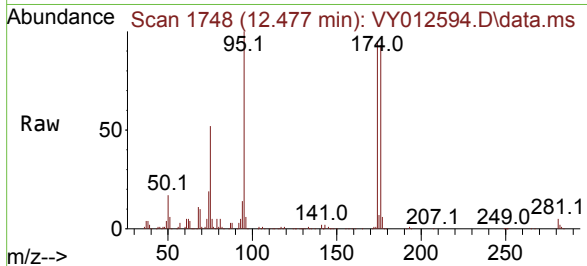




#76
1,2,3-Trichloropropane
Concen: 39.388 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

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

Tgt Ion: 75 Resp: 46979
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.823 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY012594.D
Acq: 14 Feb 2023 17:45

Tgt Ion: 75 Resp: 46979
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.0 39.9 59.9#

