

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014122.D
 Acq On : 12 Jun 2023 15:56
 Operator : KP/MD
 Sample : 03140-04
 Misc : 5.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-GA

Quant Time: Jun 13 05:43:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

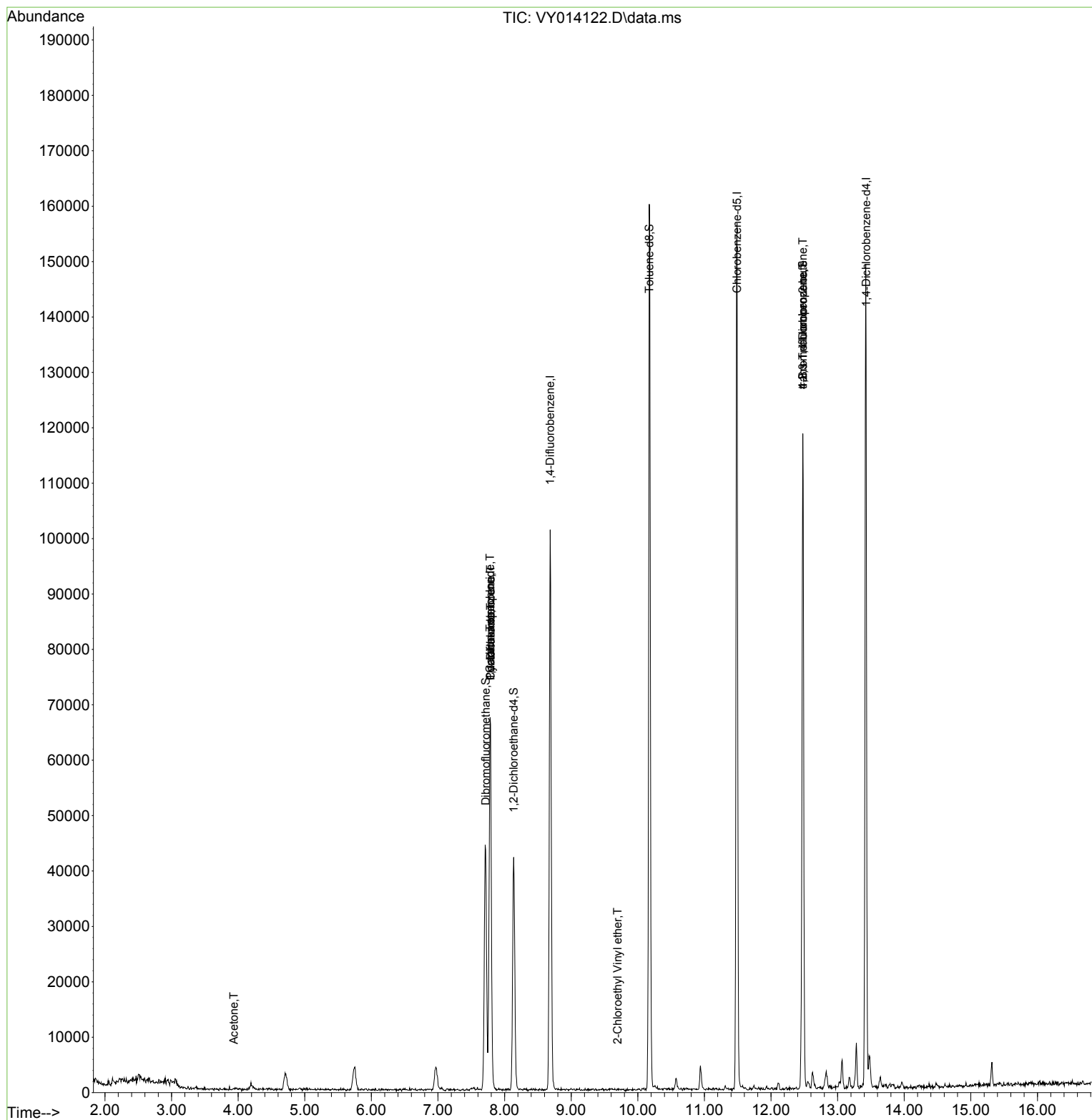
Internal Standards						
1) Pentafluorobenzene	7.789	168	52301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	84102	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	85998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	39466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	35882	49.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.540%
35) Dibromofluoromethane	7.716	113	29988	50.279	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.560%
50) Toluene-d8	10.173	98	105640	47.376	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.760%
62) 4-Bromofluorobenzene	12.477	95	33022	41.689	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.380%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	174	Below Cal	#	89
16) Acetone	3.936	43	249	1.134	ug/l #	46
20) Methylene Chloride	4.704	84	2246	Below Cal	#	77
31) Cyclohexane	7.789	56	1126	1.154	ug/l #	41
36) 1,1-Dichloropropene	7.789	75	4065	4.372	ug/l #	49
38) Carbon Tetrachloride	7.783	117	5243	4.886	ug/l #	12
58) 2-Chloroethyl Vinyl ether	9.697	63	19	28.667	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	17868	34.509	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17868	74.594	ug/l #	12

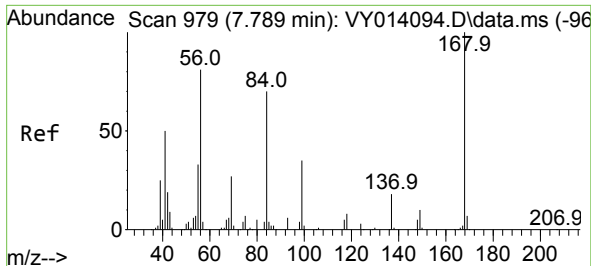
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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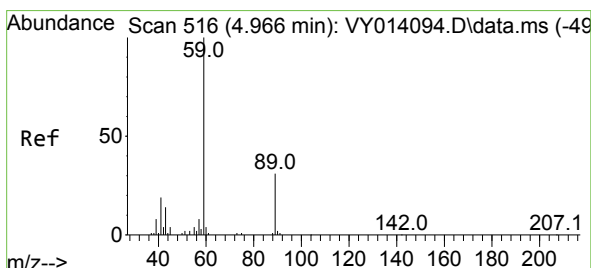
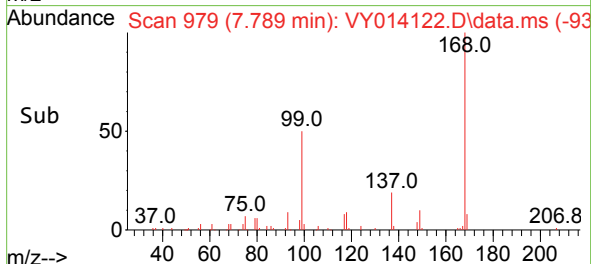
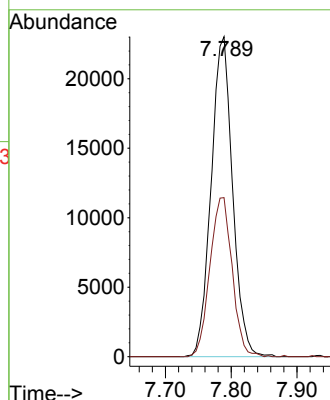
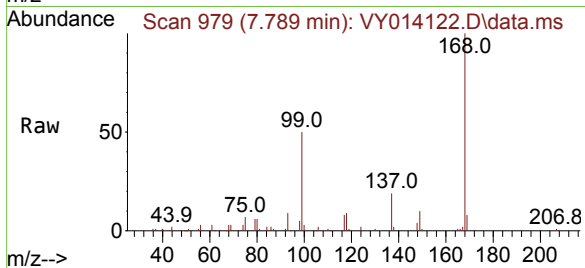




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

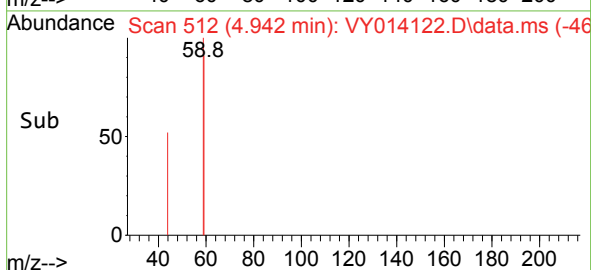
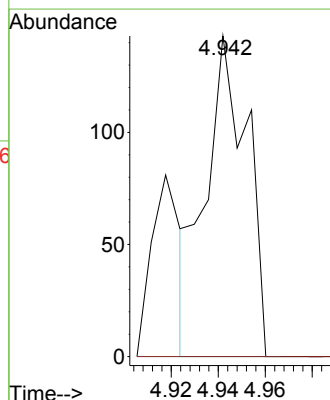
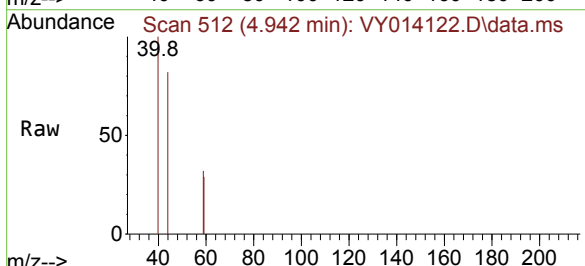
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-GA

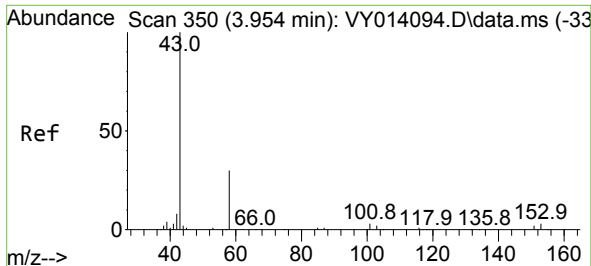
Tgt Ion:168 Resp: 52301
Ion Ratio Lower Upper
168 100
99 49.7 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

Tgt Ion: 59 Resp: 174
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

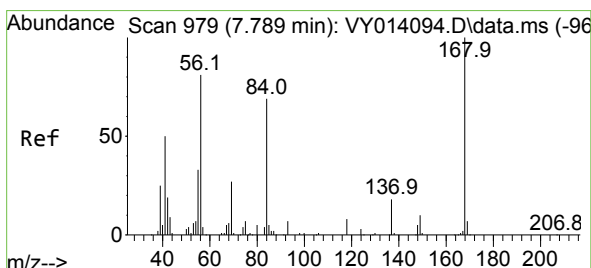
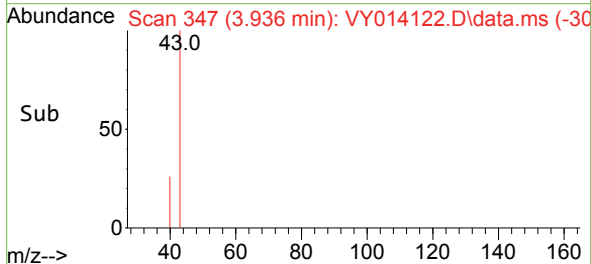
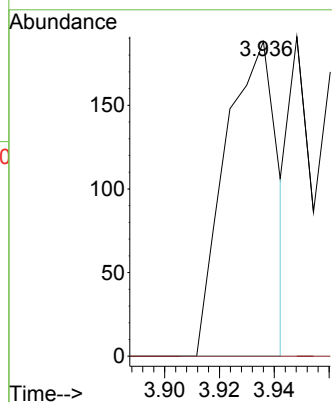
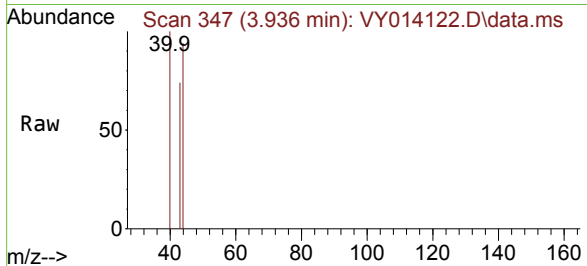




#16
Acetone
Concen: 1.134 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.018 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

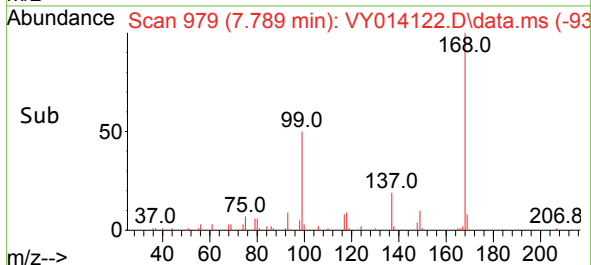
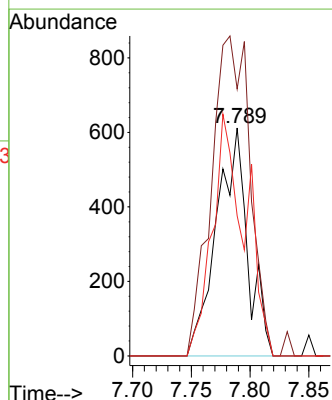
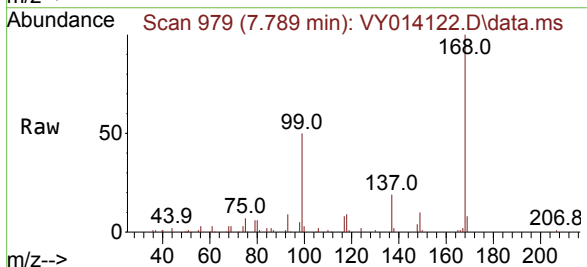
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-GA

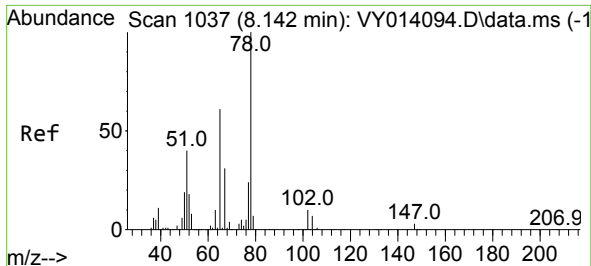
Tgt Ion: 43 Resp: 249
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

Tgt Ion: 56 Resp: 1126
Ion Ratio Lower Upper
56 100
69 117.2 27.8 41.6#
84 61.4 66.4 99.6#

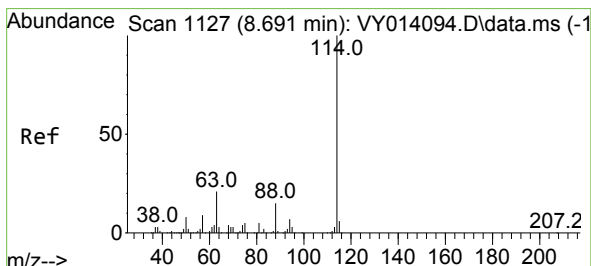
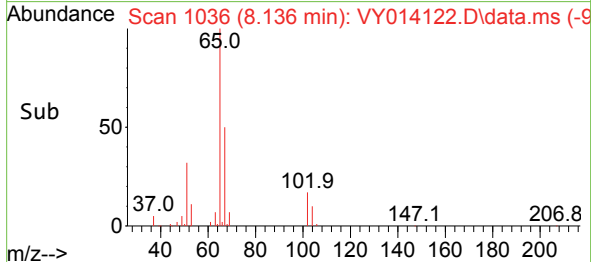
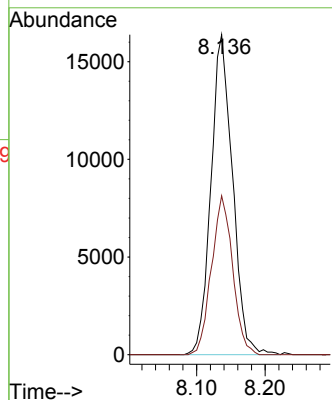
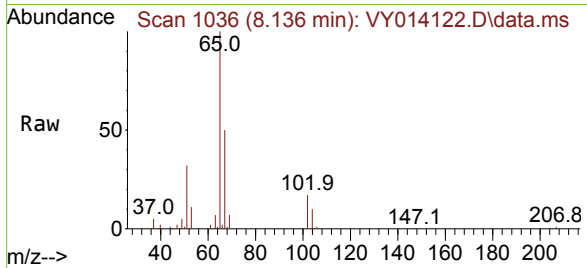




#33
 1,2-Dichloroethane-d4
 Concen: 49.268 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. -0.005 min
 Lab File: VY014122.D
 Acq: 12 Jun 2023 15:56

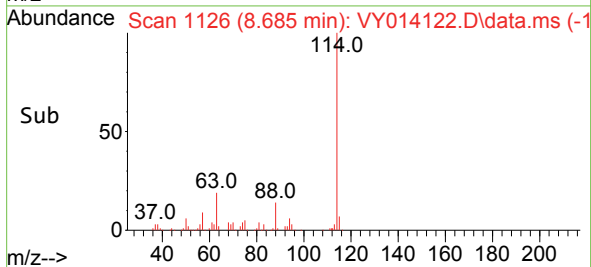
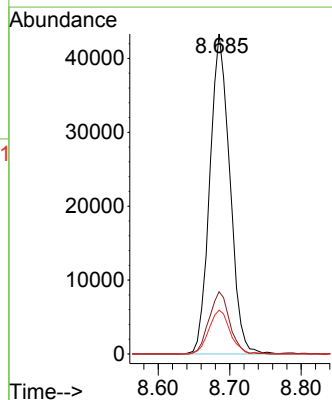
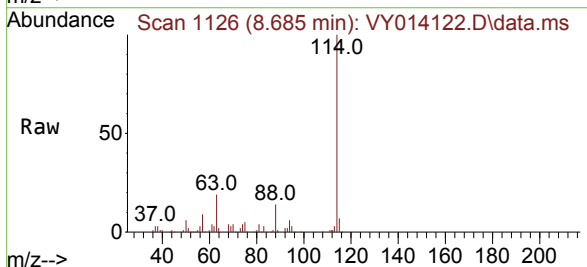
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-6-GA

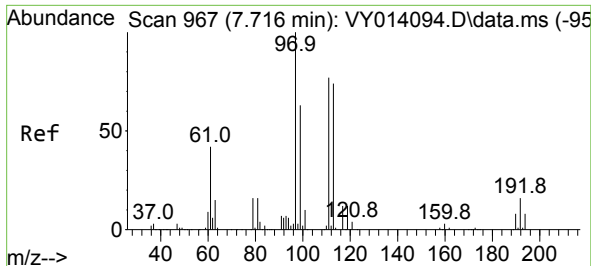
Tgt Ion: 65 Resp: 35882
 Ion Ratio Lower Upper
 65 100
 67 48.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. -0.006 min
 Lab File: VY014122.D
 Acq: 12 Jun 2023 15:56

Tgt Ion: 114 Resp: 84102
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 13.7 0.0 30.6

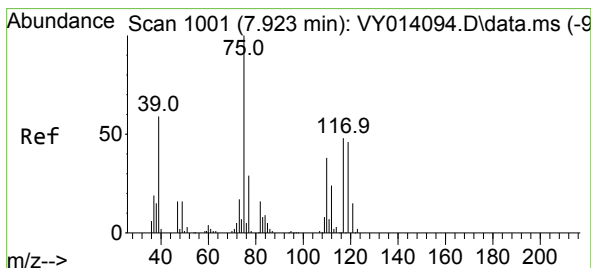
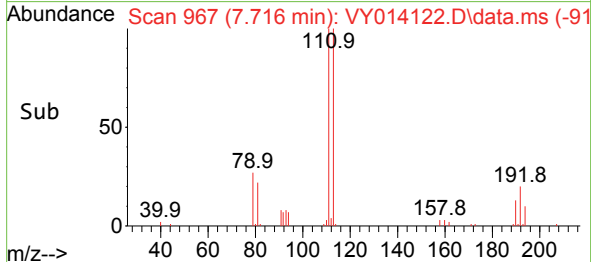
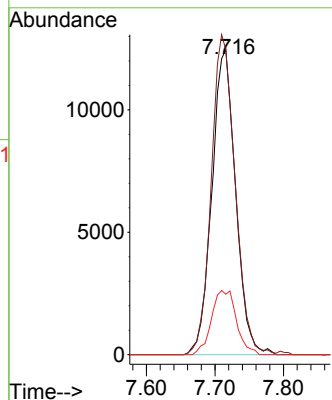
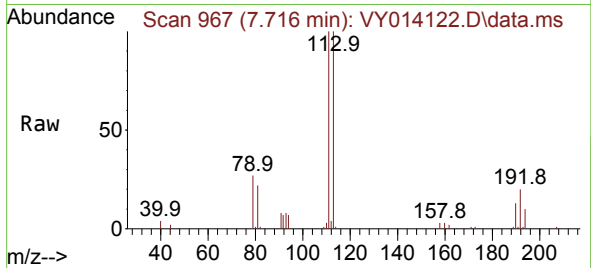




#35
Dibromofluoromethane
Concen: 50.279 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

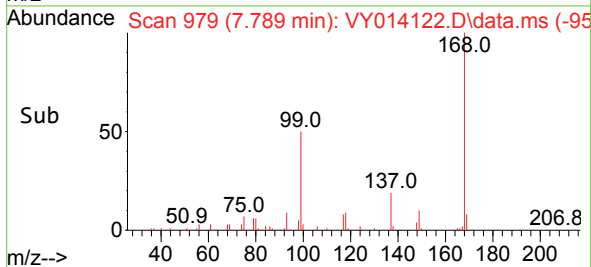
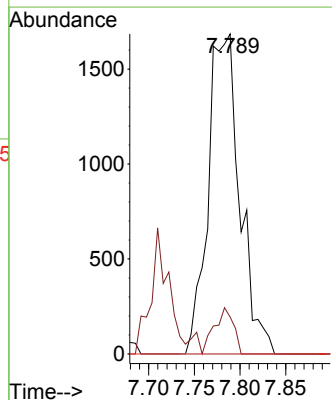
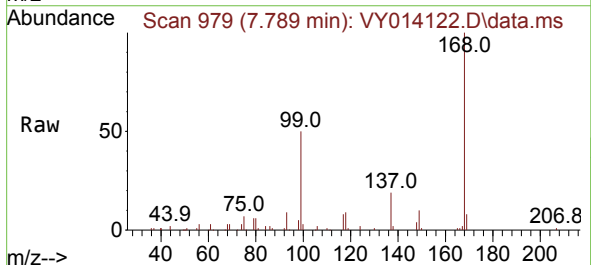
Instrument :
MSVOA_Y
ClientSampleId :
TP-6-GA

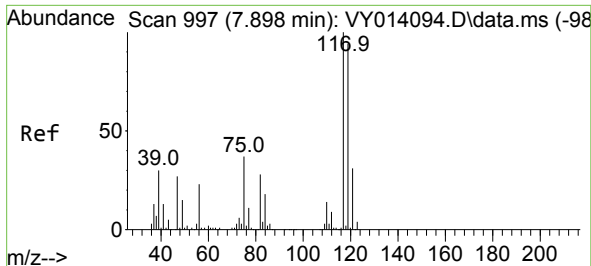
Tgt Ion:113 Resp: 29988
Ion Ratio Lower Upper
113 100
111 105.0 81.3 121.9
192 22.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.372 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

Tgt Ion: 75 Resp: 4065
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#

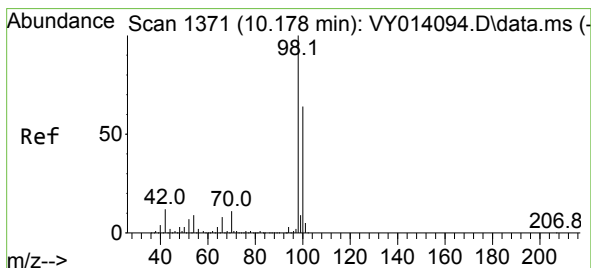
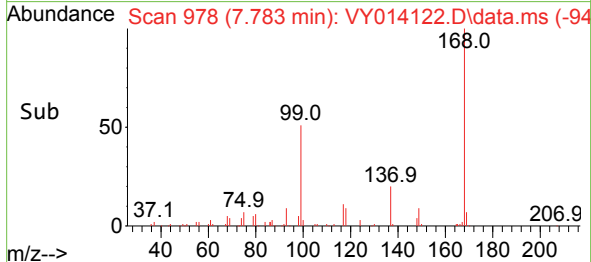
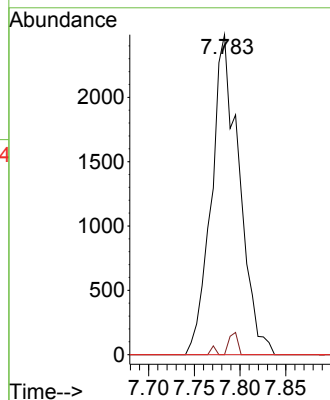
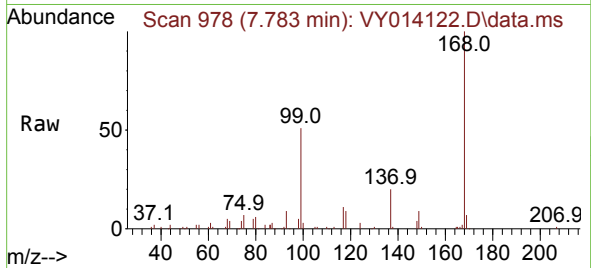




#38
Carbon Tetrachloride
Concen: 4.886 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

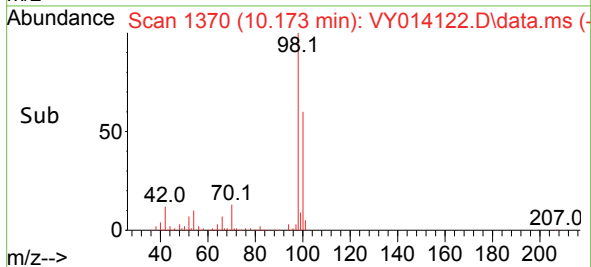
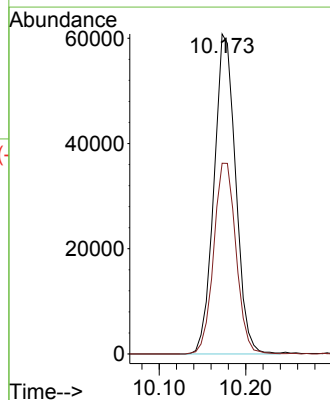
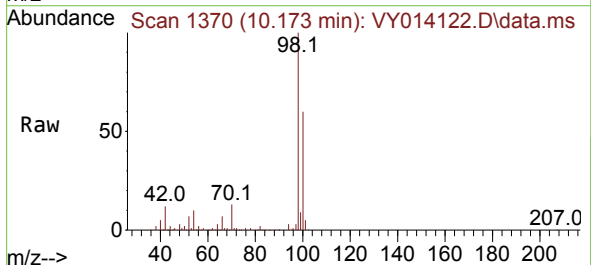
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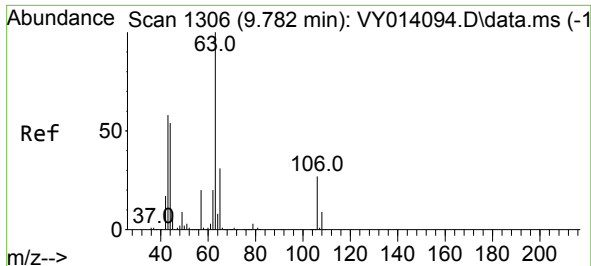
Tgt Ion:117 Resp: 5243
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.376 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.005 min
Lab File: VY014122.D
Acq: 12 Jun 2023 15:56

Tgt Ion: 98 Resp: 105640
Ion Ratio Lower Upper
98 100
100 61.4 50.1 75.1

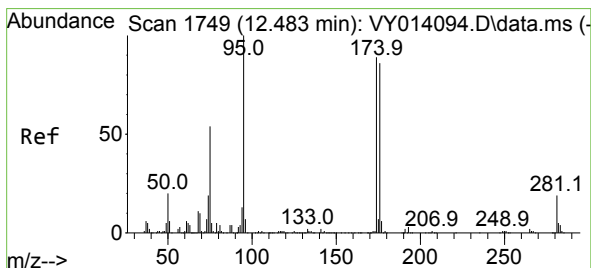
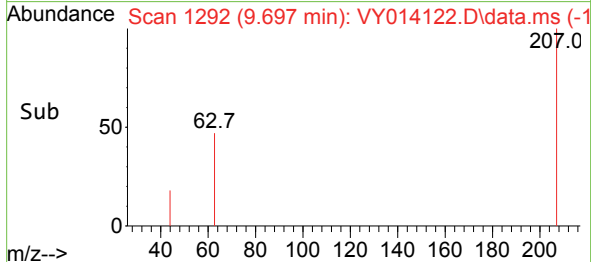
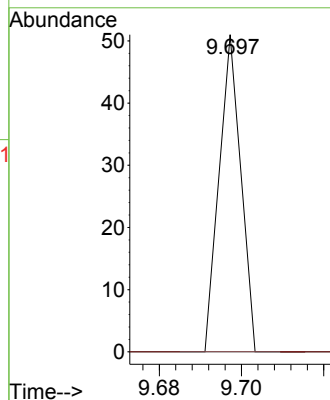
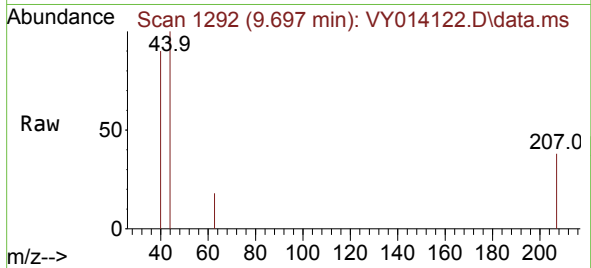




#58
 2-Chloroethyl Vinyl ether
 Concen: 28.667 ug/l
 RT: 9.697 min Scan# 11
 Delta R.T. -0.085 min
 Lab File: VY014122.D
 Acq: 12 Jun 2023 15:56

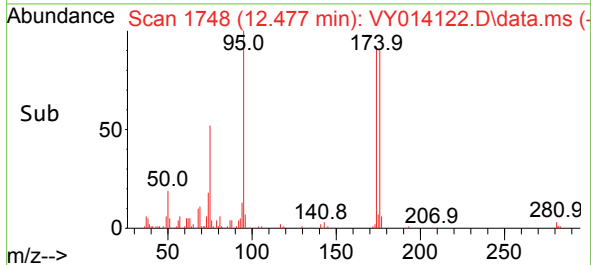
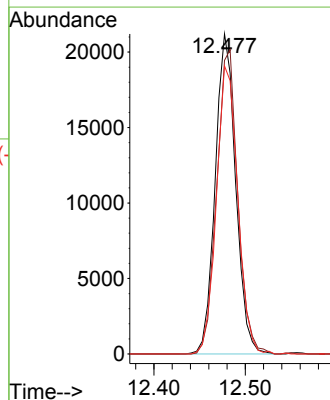
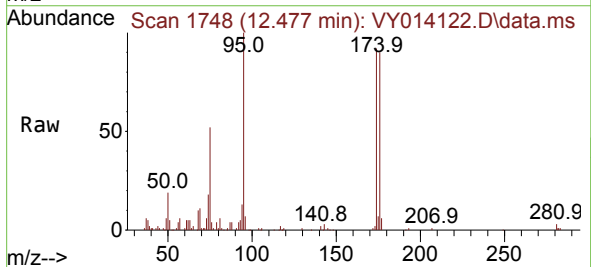
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 TP-6-GA

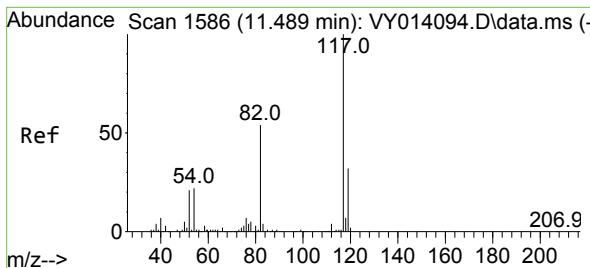
Tgt Ion: 63 Resp: 19
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.2 31.8#



#62
 4-Bromofluorobenzene
 Concen: 41.689 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.006 min
 Lab File: VY014122.D
 Acq: 12 Jun 2023 15:56

Tgt Ion: 95 Resp: 33022
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 178.2
 176 93.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014122.D

Acq: 12 Jun 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-6-GA

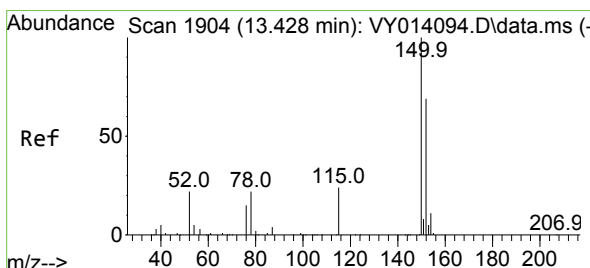
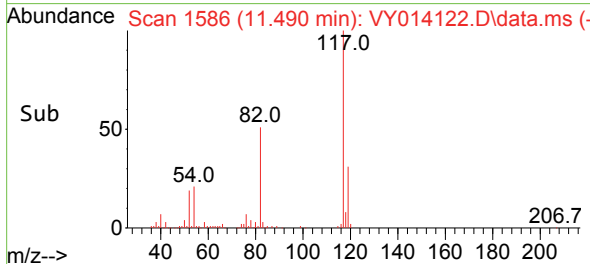
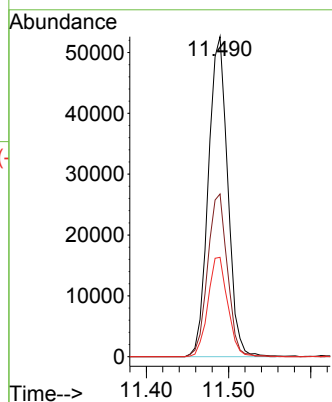
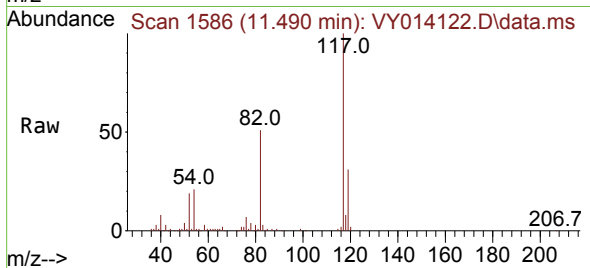
Tgt Ion:117 Resp: 85998

Ion Ratio Lower Upper

117 100

82 50.8 43.4 65.0

119 31.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014122.D

Acq: 12 Jun 2023 15:56

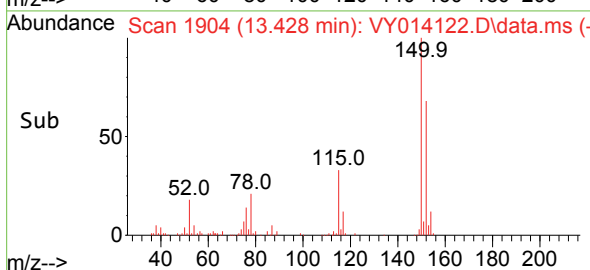
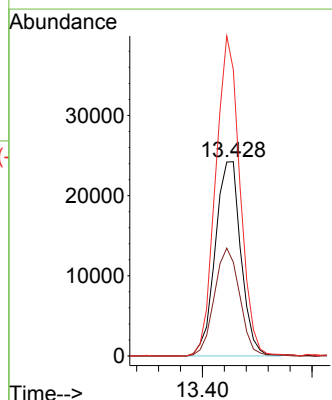
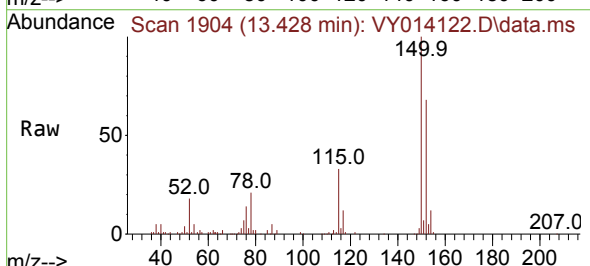
Tgt Ion:152 Resp: 39466

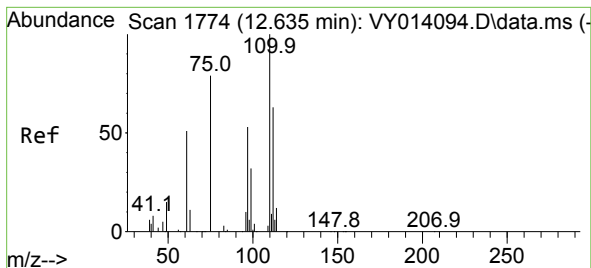
Ion Ratio Lower Upper

152 100

115 54.8 28.8 86.5

150 155.8 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 34.509 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014122.D

Acq: 12 Jun 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

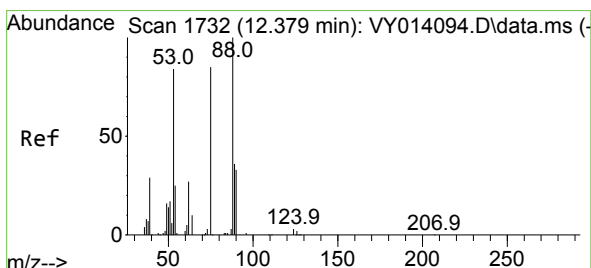
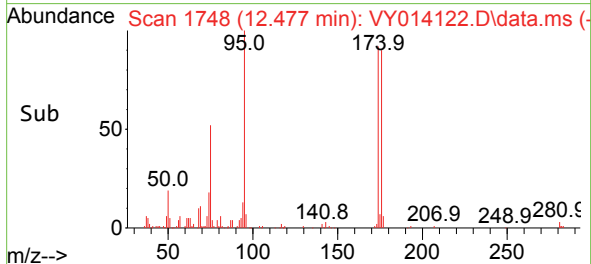
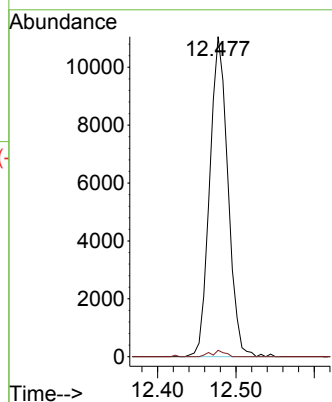
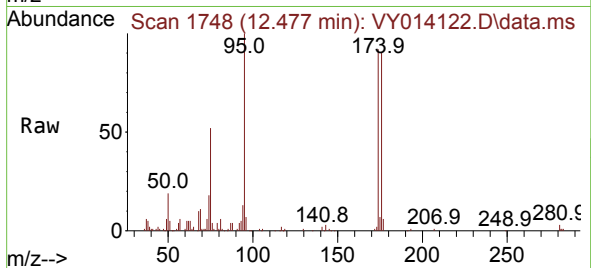
TP-6-GA

Tgt Ion: 75 Resp: 17868

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.594 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.098 min

Lab File: VY014122.D

Acq: 12 Jun 2023 15:56

Tgt Ion: 75 Resp: 17868

Ion Ratio Lower Upper

75 100

53 1.6 77.8 116.8#

89 0.0 37.4 56.0#

