

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
 Data File : VY014236.D
 Acq On : 19 Jun 2023 18:32
 Operator : KP/MD
 Sample : 03255-05
 Misc : 11.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-24-GRAB-6RE

Quant Time: Jun 20 05:00:09 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)

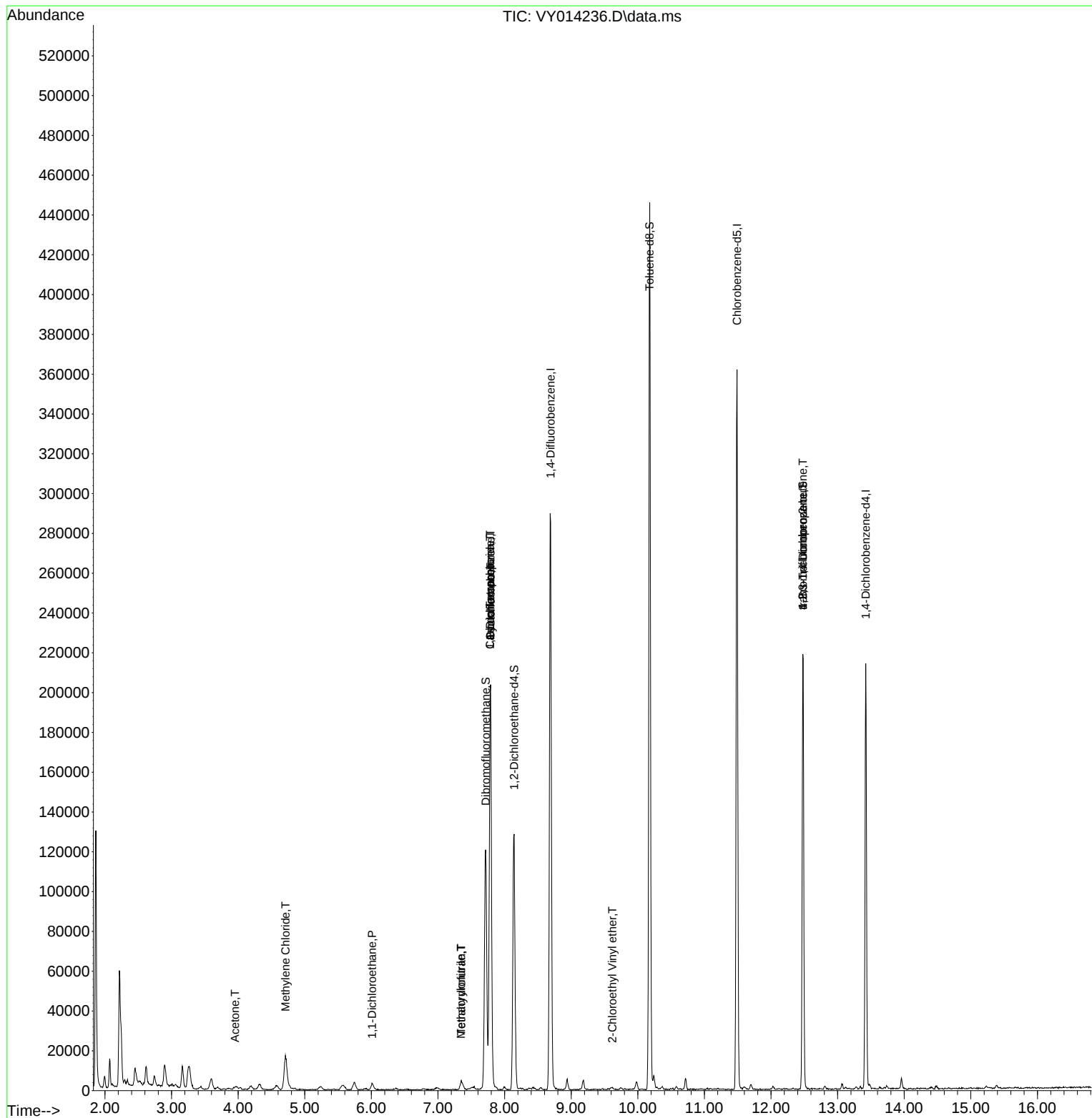
Internal Standards						
1) Pentafluorobenzene	7.789	168	157120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	245121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	195999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	55807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	105746	48.332	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.660%
35) Dibromofluoromethane	7.716	113	80634	46.386	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	92.780%
50) Toluene-d8	10.179	98	287077	44.173	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.340%
62) 4-Bromofluorobenzene	12.477	95	63464	27.490	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.980%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	417	Below Cal	#	77
13) Acrolein	3.582	56	46	Below Cal	#	14
16) Acetone	3.954	43	2218	3.363	ug/l #	84
20) Methylene Chloride	4.710	84	11822	2.186	ug/l #	83
24) 1,1-Dichloroethane	6.009	63	4053	1.129	ug/l #	88
29) Tetrahydrofuran	7.350	42	3021	5.868	ug/l	94
31) Cyclohexane	7.789	56	4492	1.533	ug/l #	22
36) 1,1-Dichloropropene	7.783	75	11726	4.327	ug/l #	50
38) Carbon Tetrachloride	7.783	117	15162	4.848	ug/l #	15
41) Methacrylonitrile	7.344	41	2116	2.217	ug/l #	44
58) 2-Chloroethyl Vinyl ether	9.618	63	22	28.638	ug/l #	48
76) 1,2,3-Trichloropropane	12.477	75	34626	47.292	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	34626	102.227	ug/l #	11

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061923\
Data File : VY014236.D
Acq On : 19 Jun 2023 18:32
Operator : KP/MD
Sample : 03255-05
Misc : 11.79g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6RE

Quant Time: Jun 20 05:00:09 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

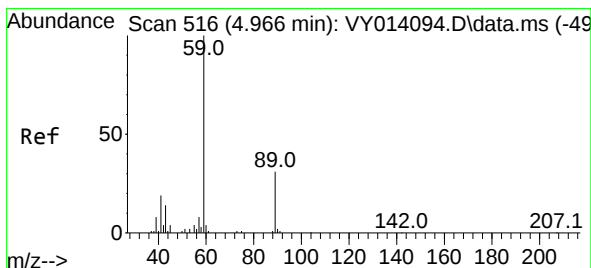
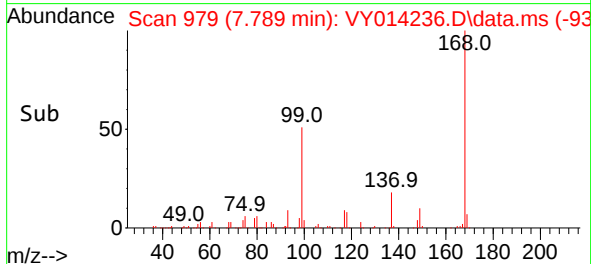
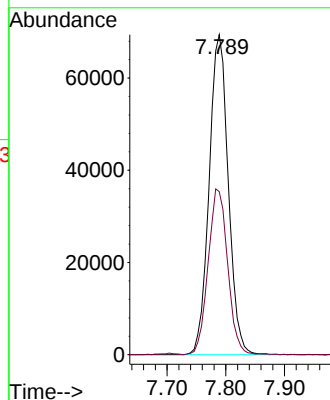
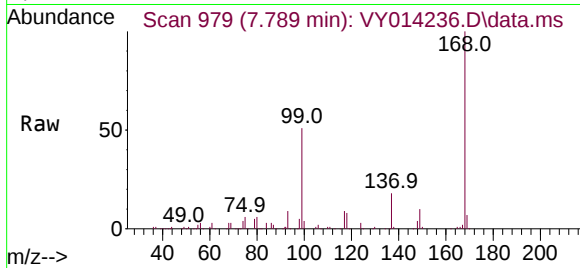




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

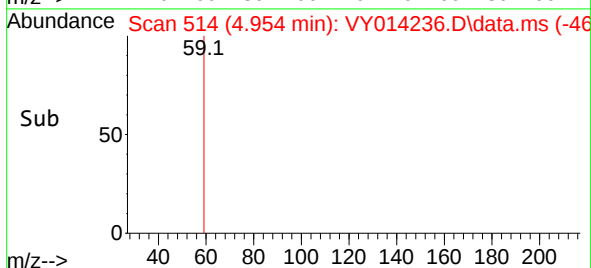
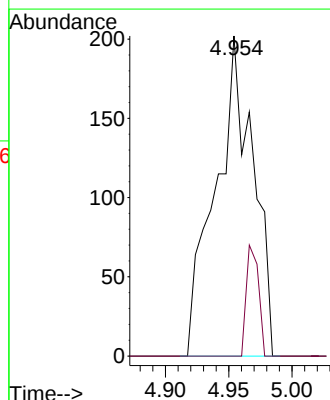
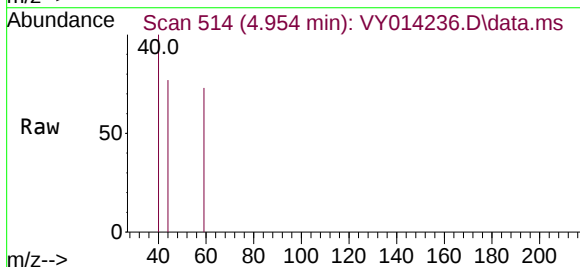
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6RE

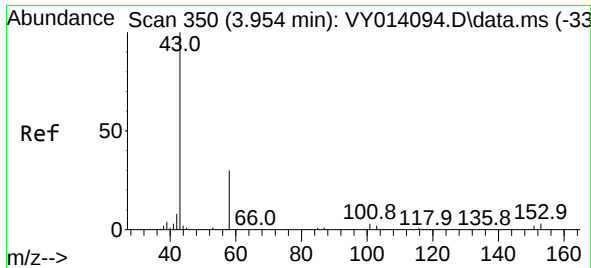
Tgt Ion:168 Resp: 157120
Ion Ratio Lower Upper
168 100
99 51.0 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

Tgt Ion: 59 Resp: 417
Ion Ratio Lower Upper
59 100
57 11.3 3.0 4.4#





#16

Acetone

Concen: 3.363 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.000 min

Lab File: VY014236.D

Acq: 19 Jun 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

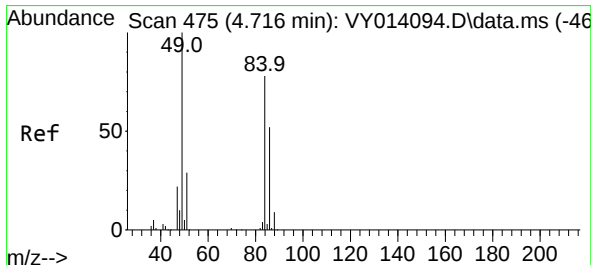
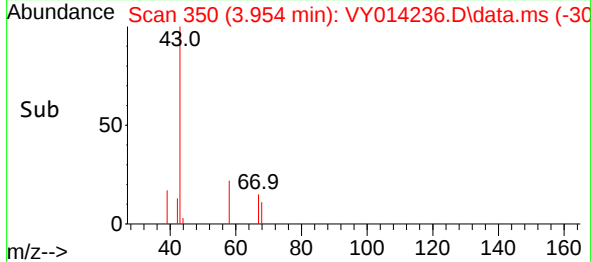
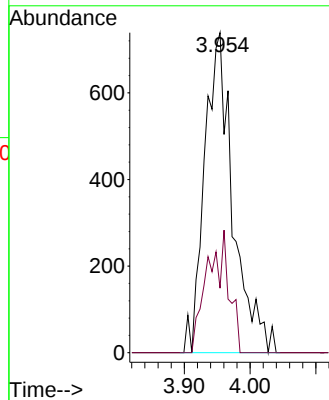
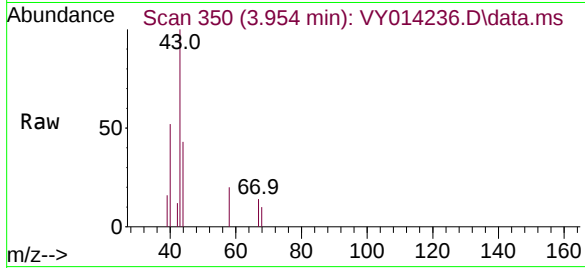
TOTAL-VOC-SB-24-GRAB-6RE

Tgt Ion: 43 Resp: 2218

Ion Ratio Lower Upper

43 100

58 20.2 22.7 34.1#



#20

Methylene Chloride

Concen: 2.186 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY014236.D

Acq: 19 Jun 2023 18:32

Tgt Ion: 84 Resp: 11822

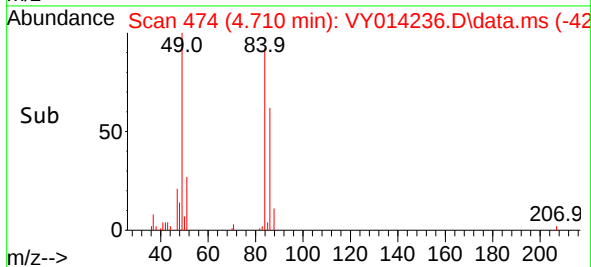
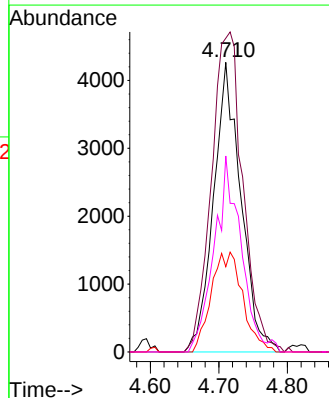
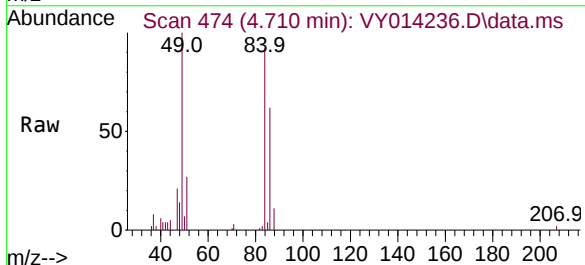
Ion Ratio Lower Upper

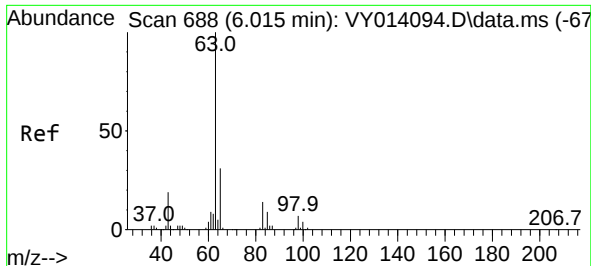
84 100

49 108.3 106.9 160.3

51 29.4 33.2 49.8#

86 67.7 51.0 76.6

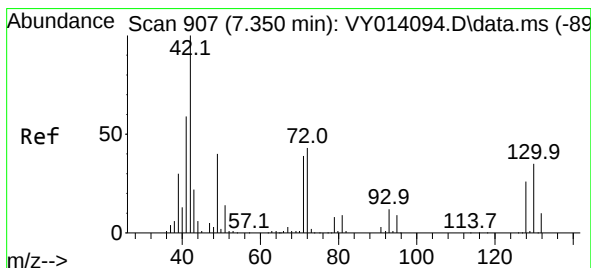
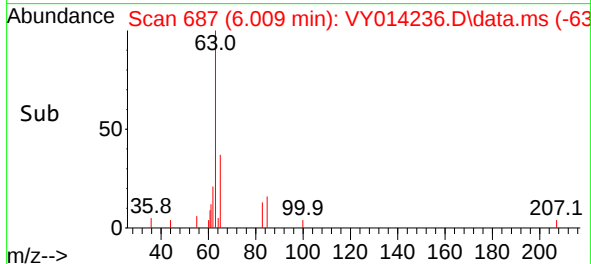
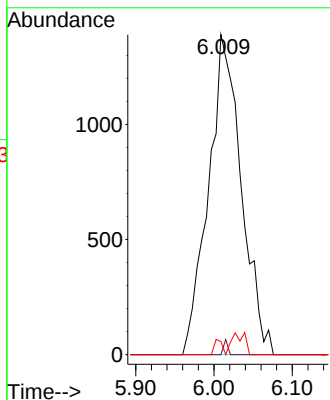
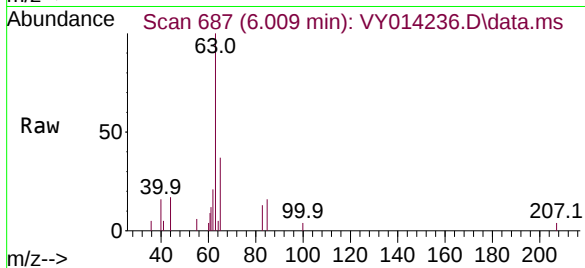




#24
1,1-Dichloroethane
Concen: 1.129 ug/l
RT: 6.009 min Scan# 61
Delta R.T. -0.006 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

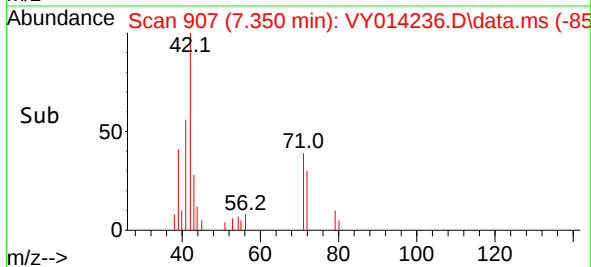
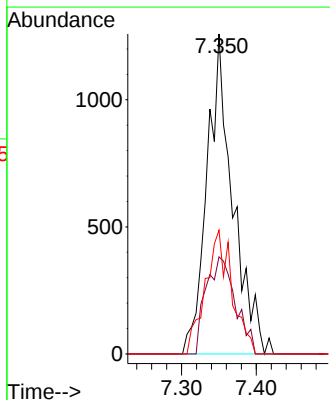
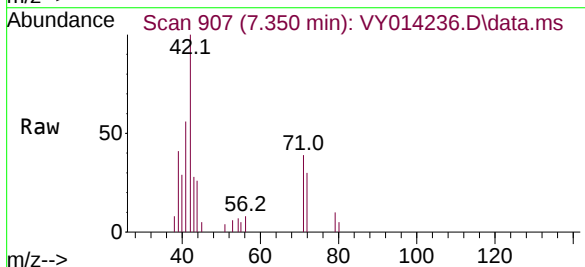
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6RE

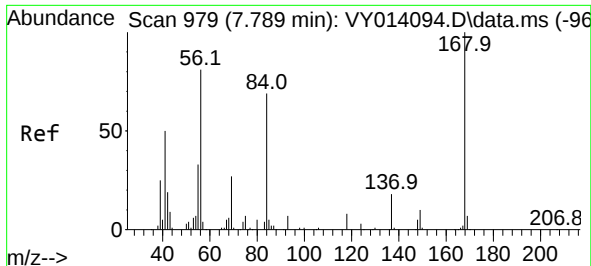
Tgt Ion: 63 Resp: 4053
Ion Ratio Lower Upper
63 100
98 0.0 3.1 9.4#
100 4.1 1.8 5.5



#29
Tetrahydrofuran
Concen: 5.868 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

Tgt Ion: 42 Resp: 3021
Ion Ratio Lower Upper
42 100
72 34.4 32.8 49.2
71 39.6 31.0 46.4

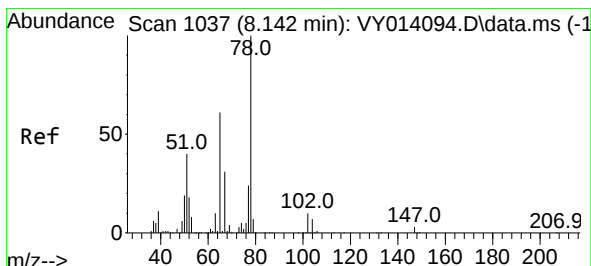
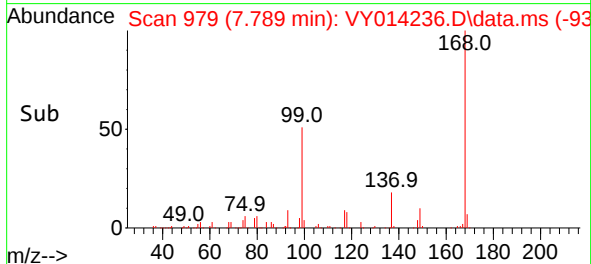
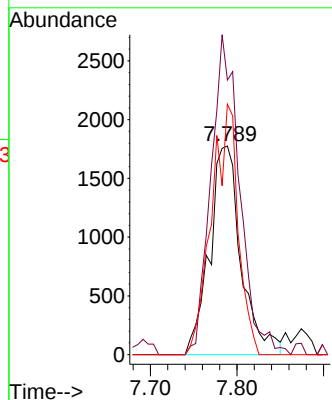
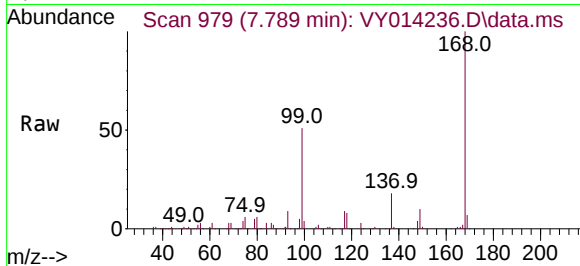




#31
Cyclohexane
Concen: 1.533 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

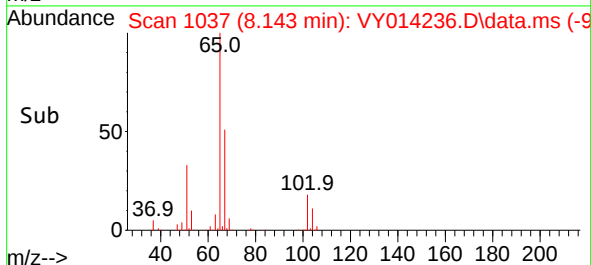
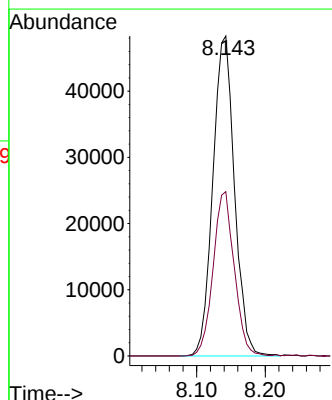
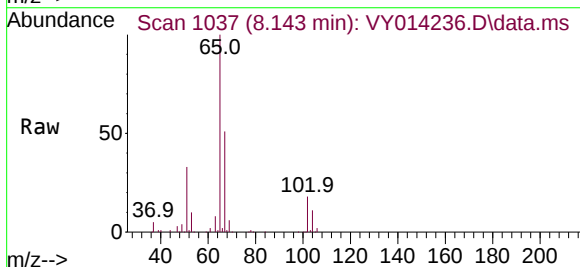
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6RE

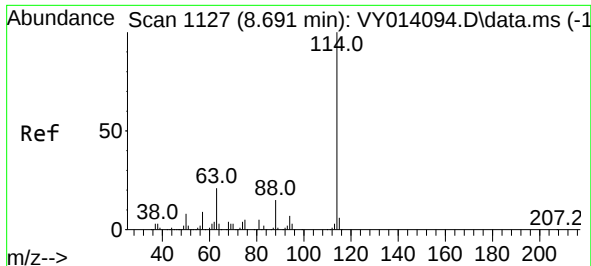
Tgt Ion: 56 Resp: 4492
Ion Ratio Lower Upper
56 100
69 131.6 27.8 41.6#
84 120.1 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 48.332 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.001 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

Tgt Ion: 65 Resp: 105746
Ion Ratio Lower Upper
65 100
67 50.2 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014236.D

Acq: 19 Jun 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-24-GRAB-6RE

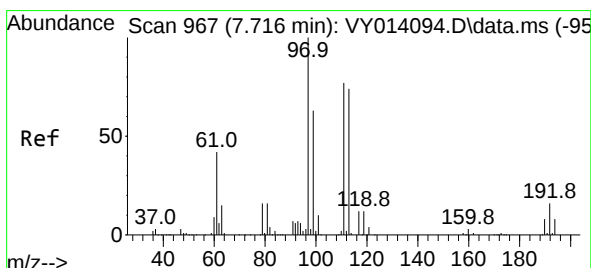
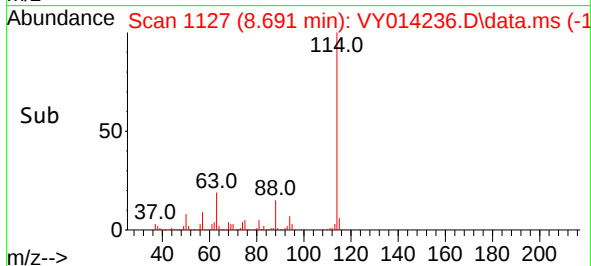
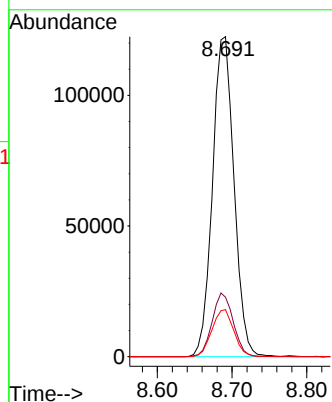
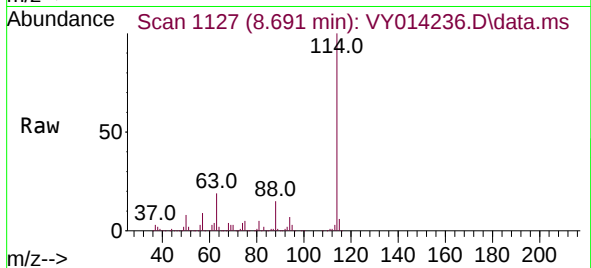
Tgt Ion:114 Resp: 245121

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.386 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY014236.D

Acq: 19 Jun 2023 18:32

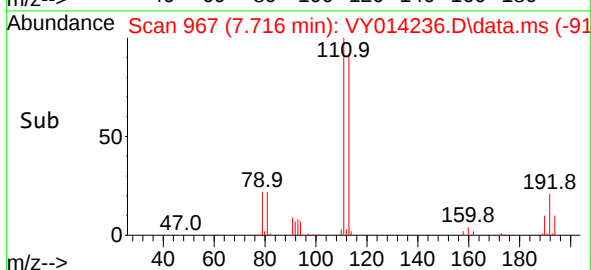
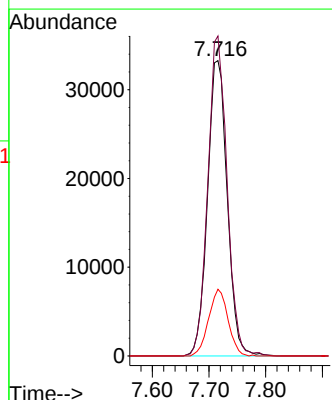
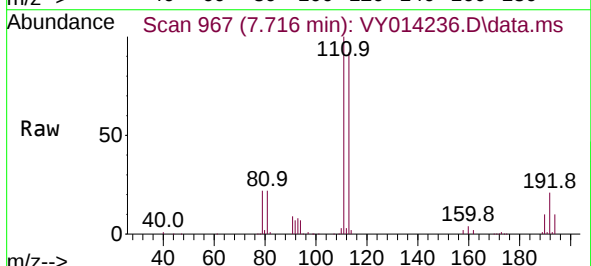
Tgt Ion:113 Resp: 80634

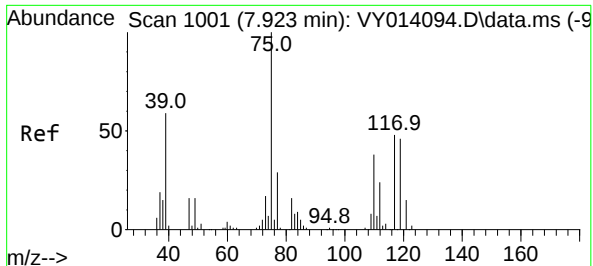
Ion Ratio Lower Upper

113 100

111 105.7 81.3 121.9

192 22.2 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.327 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY014236.D

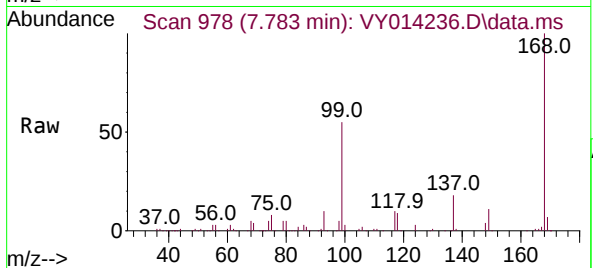
Acq: 19 Jun 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-24-GRAB-6RE



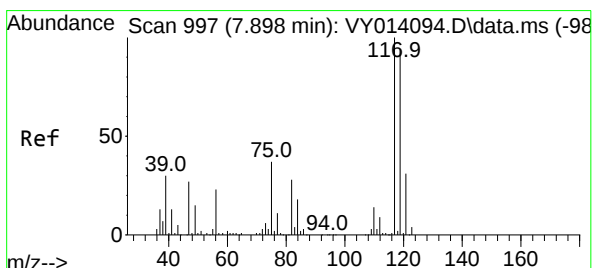
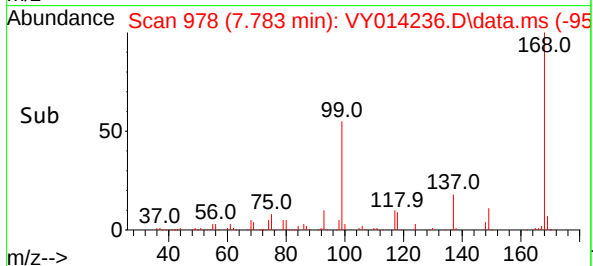
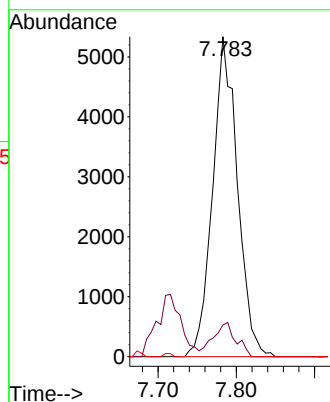
Tgt Ion: 75 Resp: 11726

Ion Ratio Lower Upper

75 100

110 9.8 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.848 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.115 min

Lab File: VY014236.D

Acq: 19 Jun 2023 18:32

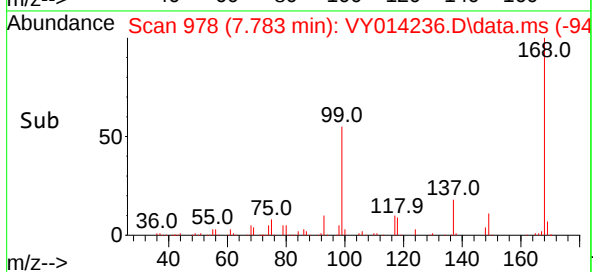
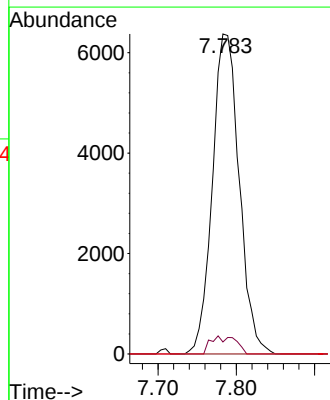
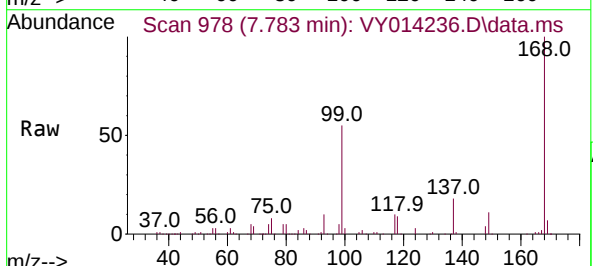
Tgt Ion: 117 Resp: 15162

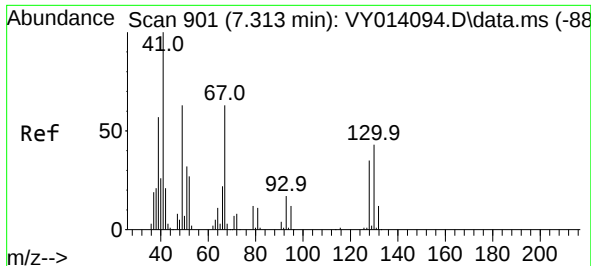
Ion Ratio Lower Upper

117 100

119 3.8 76.4 114.6#

121 0.0 25.8 38.6#

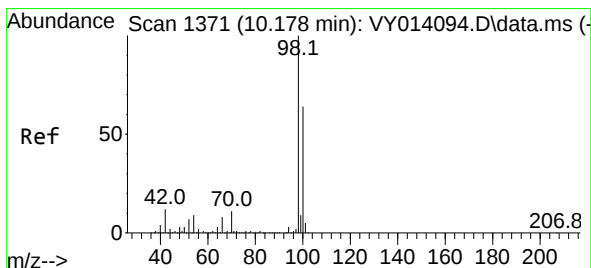
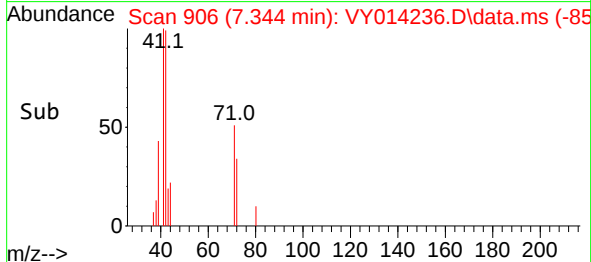
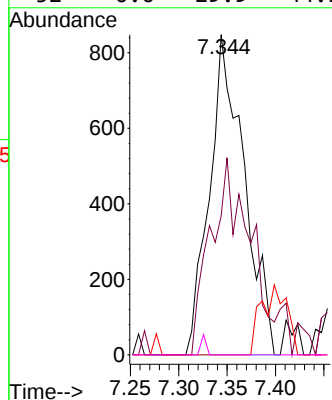
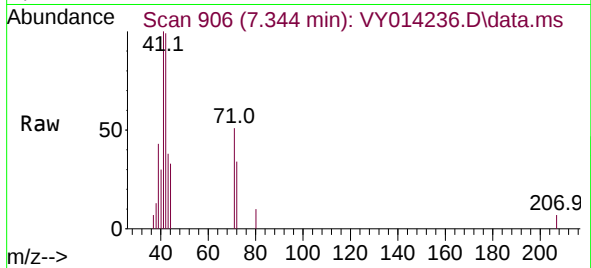




#41
Methacrylonitrile
Concen: 2.217 ug/l
RT: 7.344 min Scan# 901
Delta R.T. 0.031 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

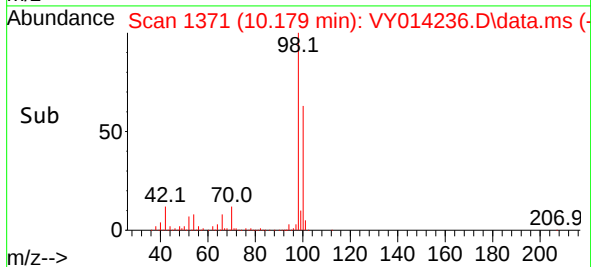
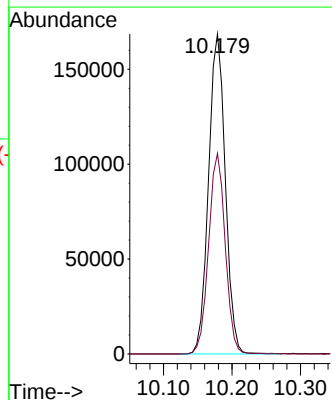
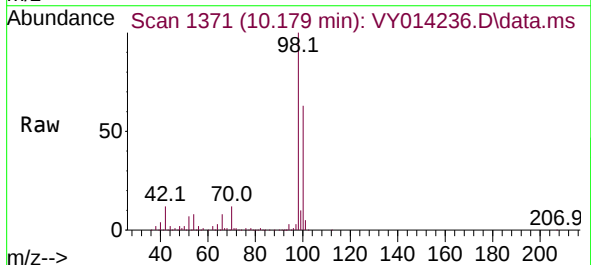
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6RE

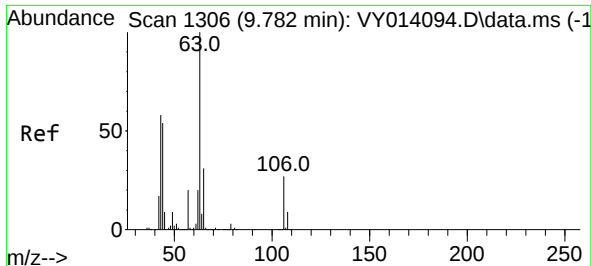
Tgt Ion: 41	Resp: 2116
Ion Ratio	Lower Upper
41 100	
39 69.1	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.173 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

Tgt Ion: 98	Resp: 287077
Ion Ratio	Lower Upper
98 100	
100 62.2	50.1 75.1

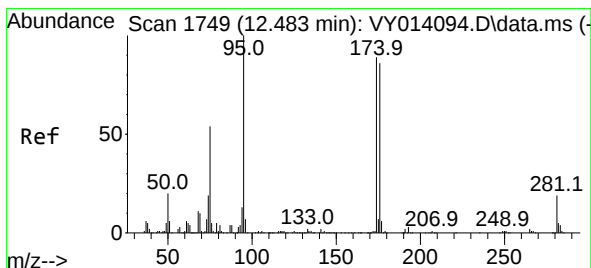
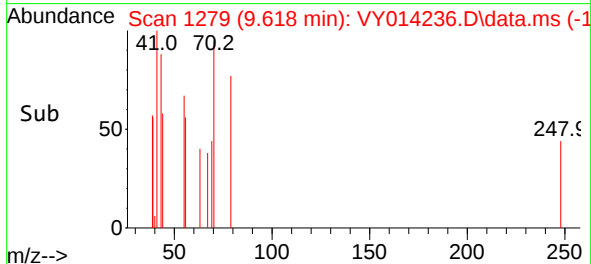
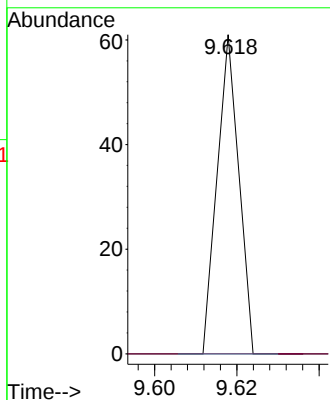
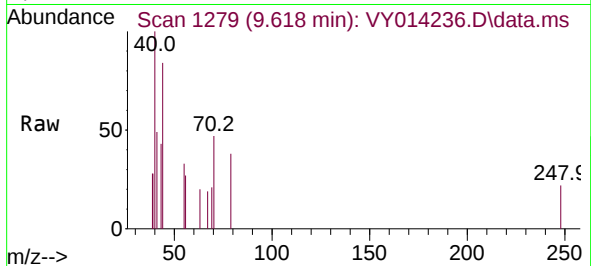




#58
2-Chloroethyl Vinyl ether
Concen: 28.638 ug/l
RT: 9.618 min Scan# 11
Delta R.T. -0.164 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

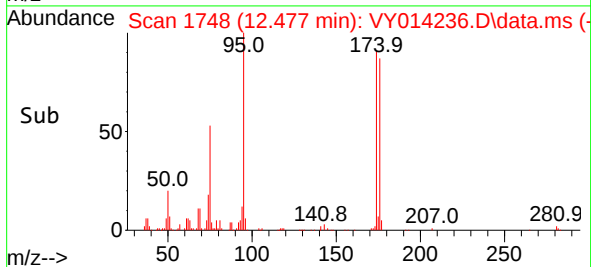
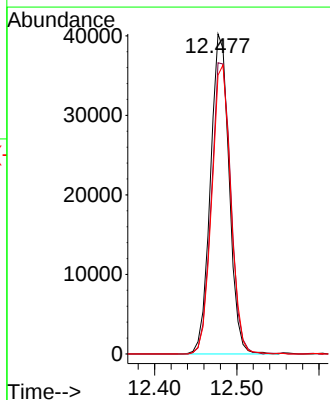
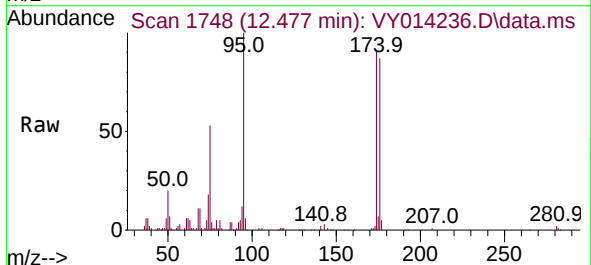
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6RE

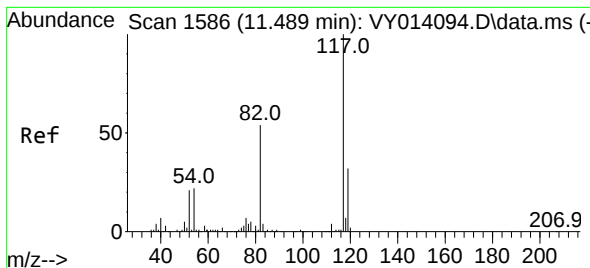
Tgt Ion: 63 Resp: 22
Ion Ratio Lower Upper
63 100
106 0.0 21.2 31.8#



#62
4-Bromofluorobenzene
Concen: 27.490 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

Tgt Ion: 95 Resp: 63464
Ion Ratio Lower Upper
95 100
174 94.5 0.0 178.2
176 91.9 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014236.D

Acq: 19 Jun 2023 18:32

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-24-GRAB-6RE

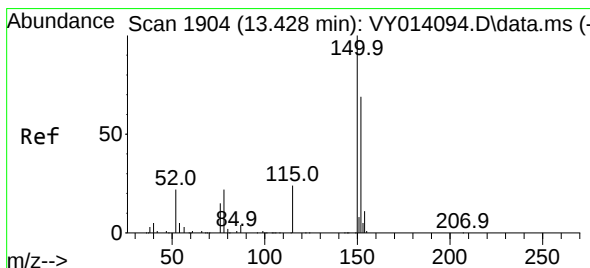
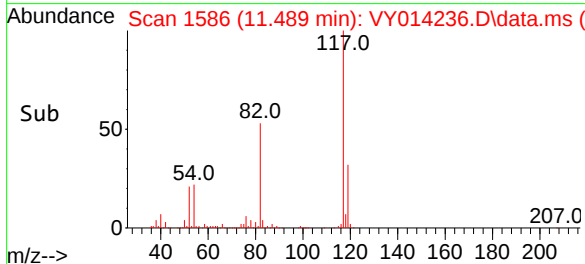
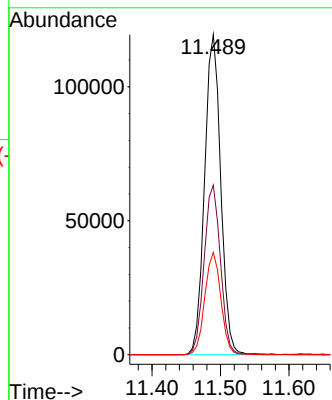
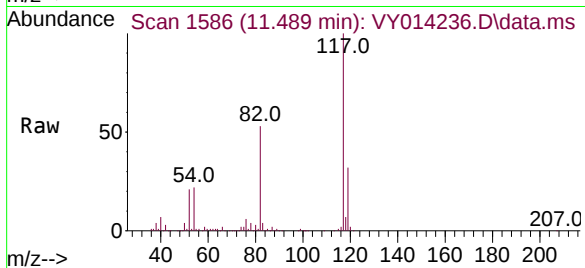
Tgt Ion:117 Resp: 195999

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 31.9 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014236.D

Acq: 19 Jun 2023 18:32

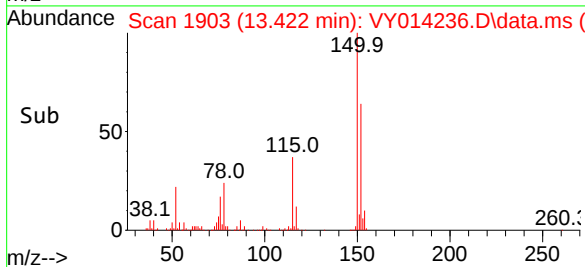
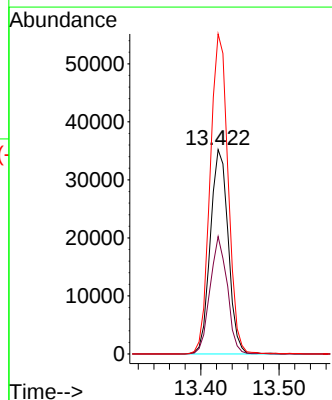
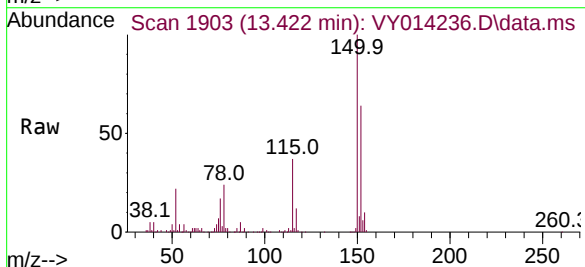
Tgt Ion:152 Resp: 55807

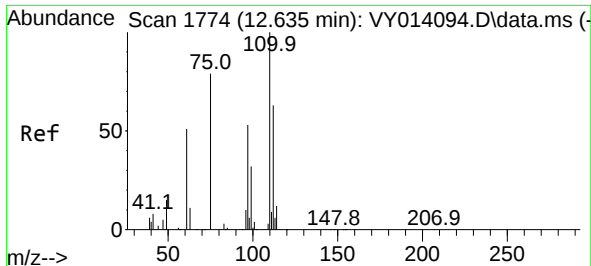
Ion Ratio Lower Upper

152 100

115 55.2 28.8 86.5

150 157.4 0.0 348.8

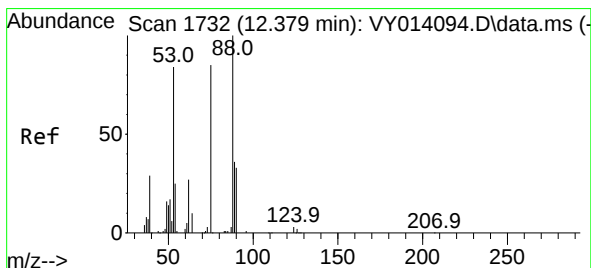
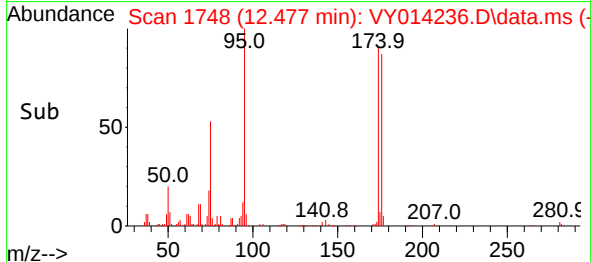
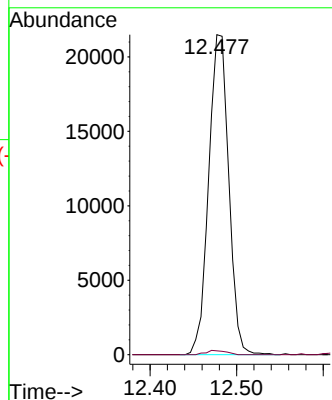
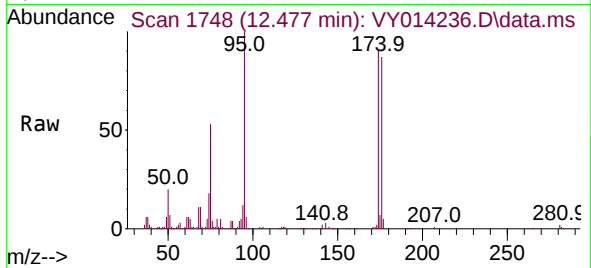




#76
1,2,3-Trichloropropane
Concen: 47.292 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-24-GRAB-6RE

Tgt Ion: 75 Resp: 34626
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.227 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY014236.D
Acq: 19 Jun 2023 18:32

Tgt Ion: 75 Resp: 34626
Ion Ratio Lower Upper
75 100
53 0.7 77.8 116.8#
89 0.2 37.4 56.0#

