

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062223\
 Data File : VY014378.D
 Acq On : 22 Jun 2023 14:52
 Operator : KP/MD
 Sample : 03296-17RE
 Misc : 12.31g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-TW-01-GRAB-6RE

Quant Time: Jun 22 17:19:21 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)

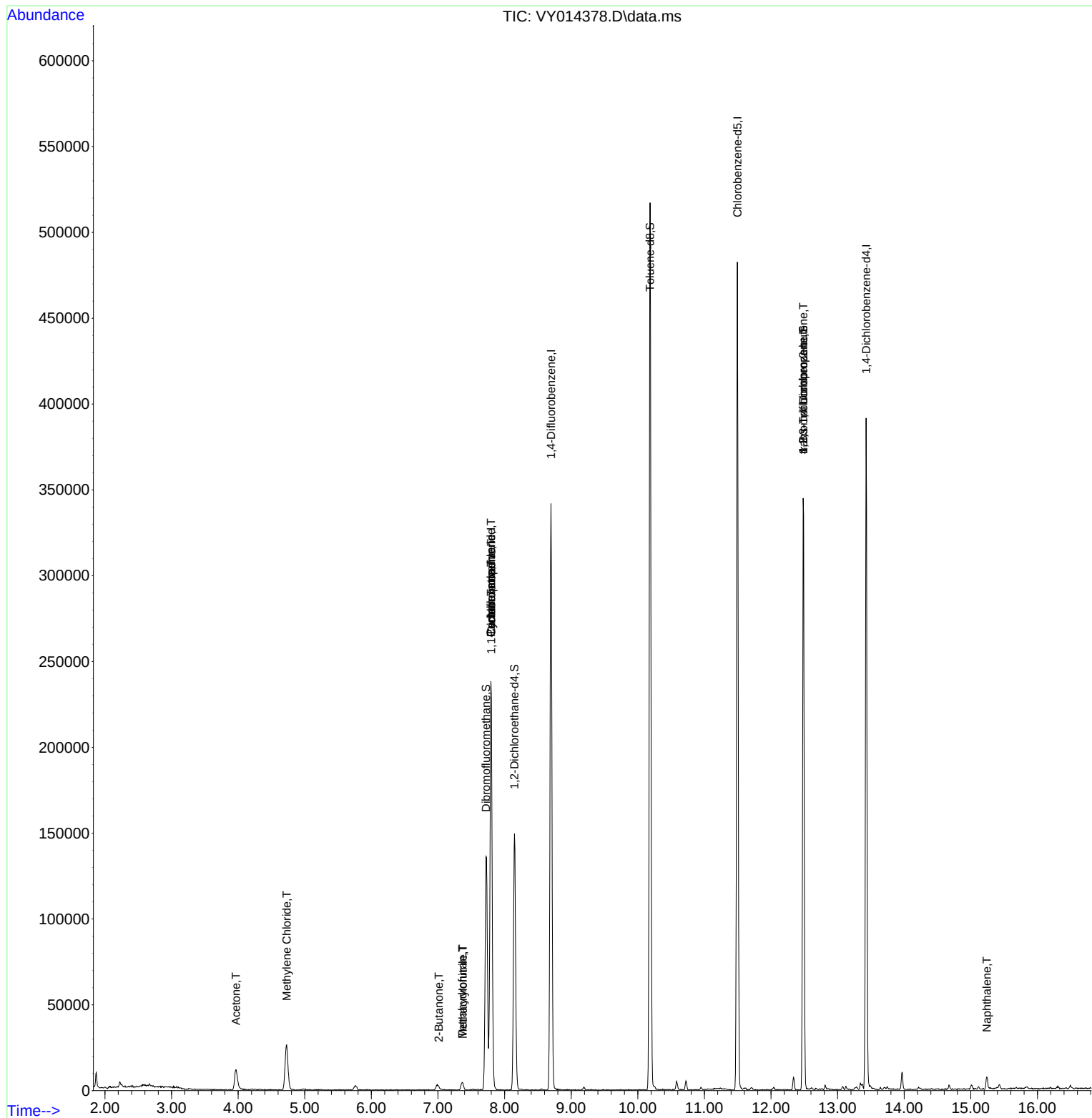
Internal Standards						
1) Pentafluorobenzene	7.795	168	183331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	283358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	254703	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	99075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	126927	49.719	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.440%		
35) Dibromofluoromethane	7.722	113	94267	46.910	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.820%		
50) Toluene-d8	10.185	98	335138	44.609	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	89.220%		
62) 4-Bromofluorobenzene	12.483	95	97340	36.474	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	72.940%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.979	59	381	Below Cal	#	95
13) Acrolein	3.735	56	26	Below Cal	#	14
16) Acetone	3.967	43	23432	30.450	ug/l	89
20) Methylene Chloride	4.729	84	19961	4.890	ug/l	89
25) 2-Butanone	7.015	43	1040	1.098	ug/l #	49
29) Tetrahydrofuran	7.368	42	3863	6.431	ug/l #	83
31) Cyclohexane	7.795	56	4227	1.236	ug/l #	29
36) 1,1-Dichloropropene	7.801	75	12926	4.126	ug/l #	51
38) Carbon Tetrachloride	7.795	117	17846	4.936	ug/l #	17
41) Methacrylonitrile	7.374	41	2090	1.895	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	54888	42.227	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54888	91.278	ug/l #	11
95) Naphthalene	15.239	128	7090	1.619	ug/l	97

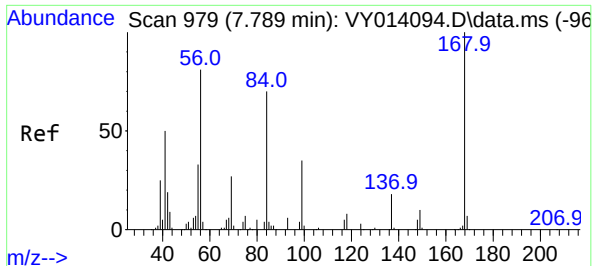
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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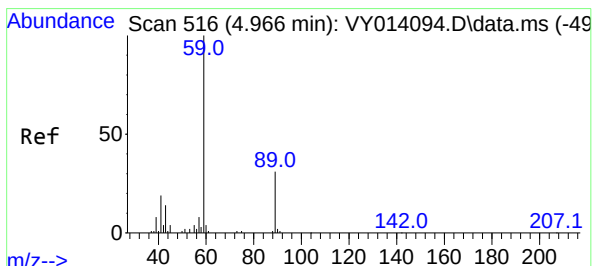
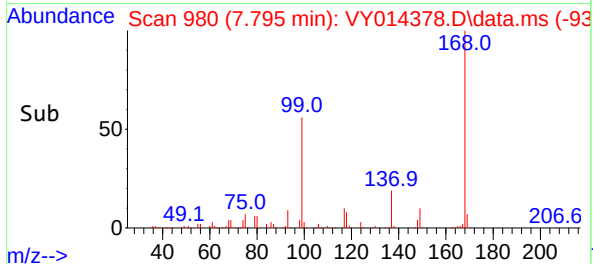
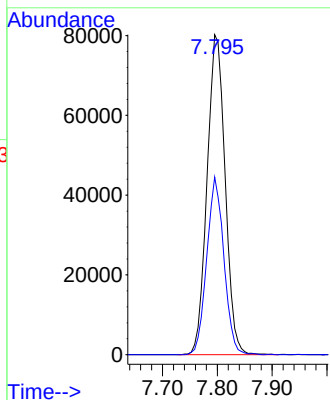
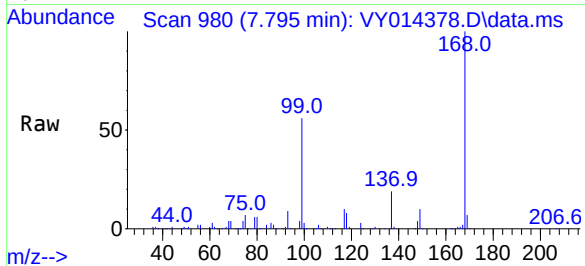




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

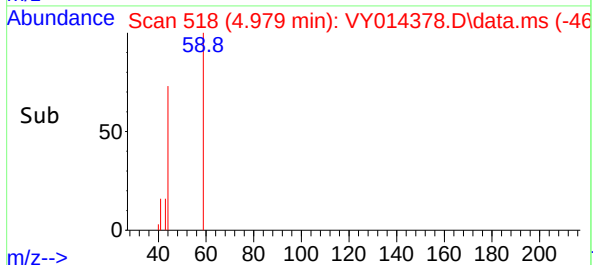
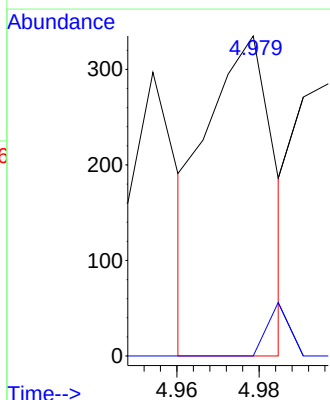
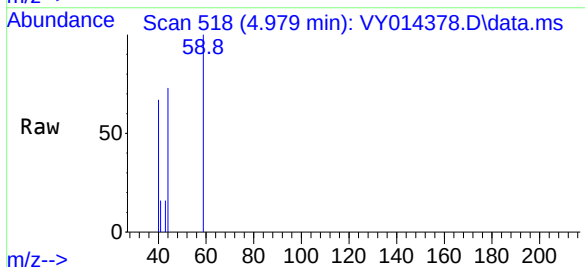
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6RE

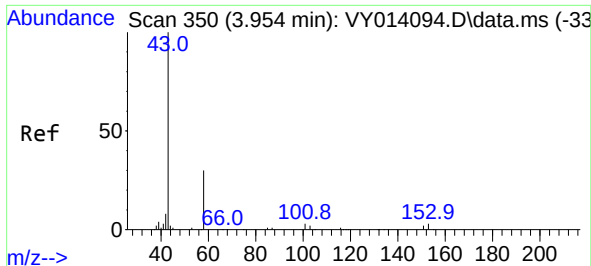
Tgt Ion:168 Resp: 183331
Ion Ratio Lower Upper
168 100
99 55.5 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.979 min Scan# 518
Delta R.T. 0.013 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 59 Resp: 381
Ion Ratio Lower Upper
59 100
57 5.2 3.0 4.4#

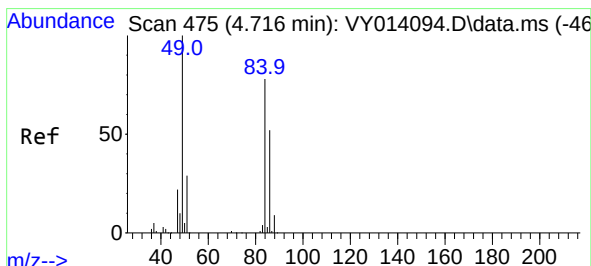
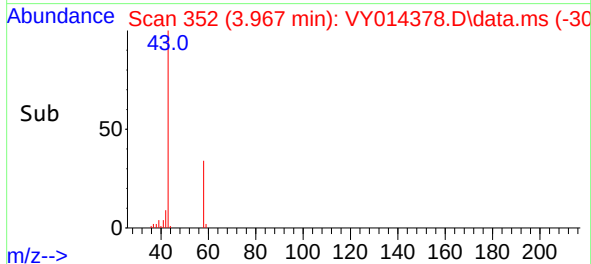
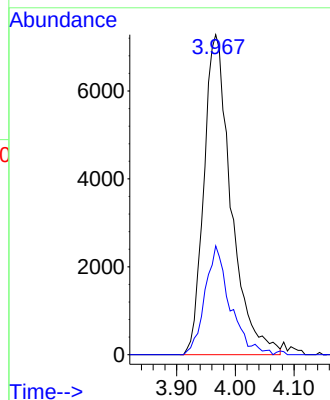
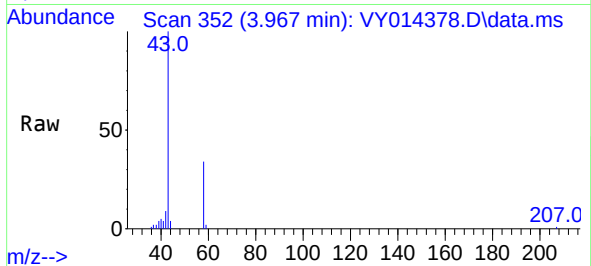




#16
Acetone
Concen: 30.450 ug/l
RT: 3.967 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

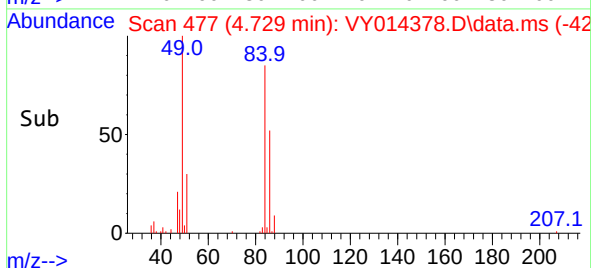
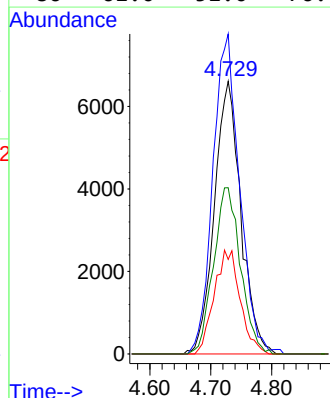
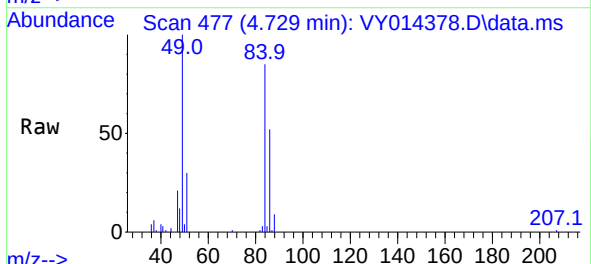
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6RE

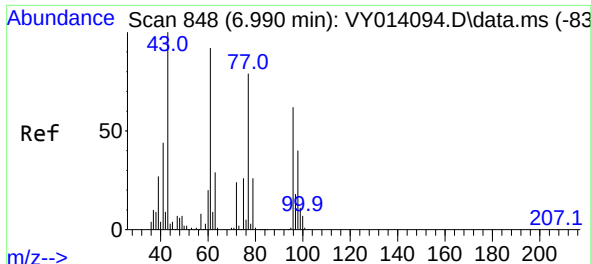
Tgt Ion: 43 Resp: 23432
Ion Ratio Lower Upper
43 100
58 34.0 22.7 34.1



#20
Methylene Chloride
Concen: 4.890 ug/l
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 84 Resp: 19961
Ion Ratio Lower Upper
84 100
49 117.4 106.9 160.3
51 34.7 33.2 49.8
86 61.0 51.0 76.6





#25

2-Butanone

Concen: 1.098 ug/l

RT: 7.015 min Scan# 81

Delta R.T. 0.025 min

Lab File: VY014378.D

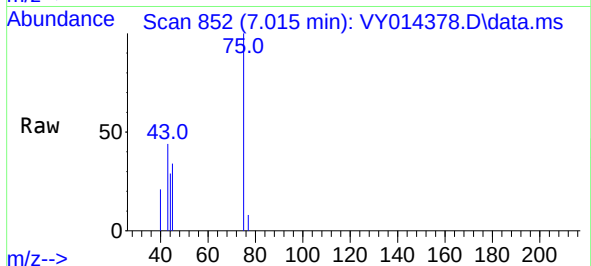
Acq: 22 Jun 2023 14:52

Instrument :

MSVOA_Y

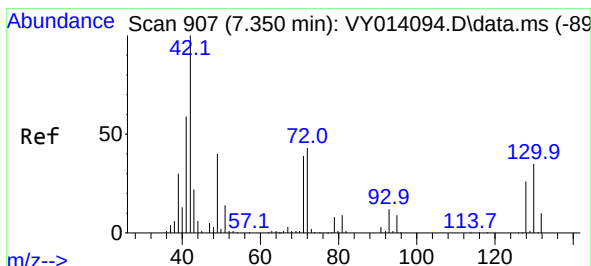
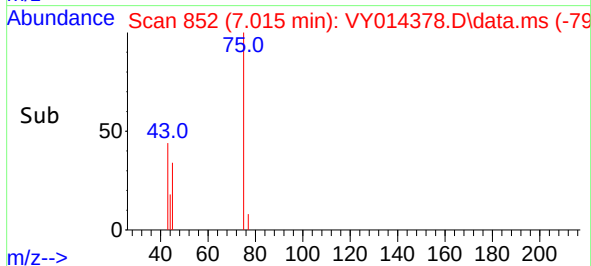
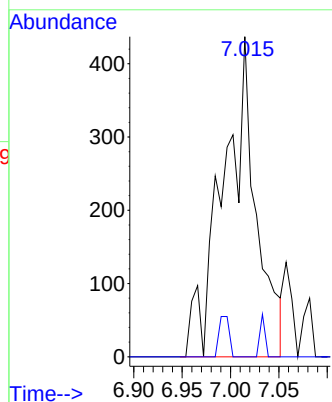
ClientSampleId :

TOTAL-VOC-TW-01-GRAB-6RE



Tgt Ion: 43 Resp: 1040

Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#



#29

Tetrahydrofuran

Concen: 6.431 ug/l

RT: 7.368 min Scan# 910

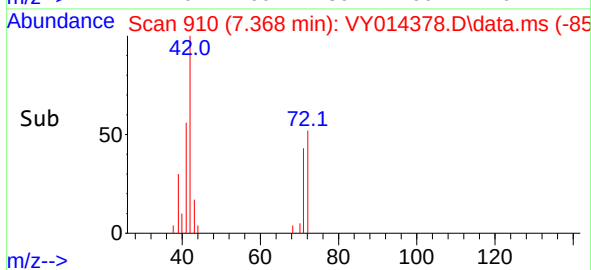
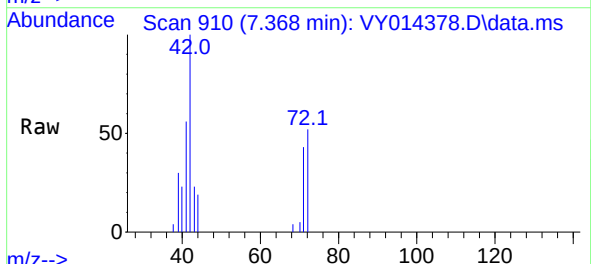
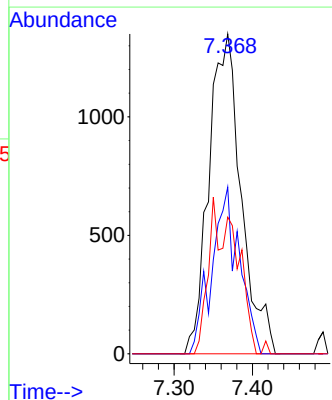
Delta R.T. 0.018 min

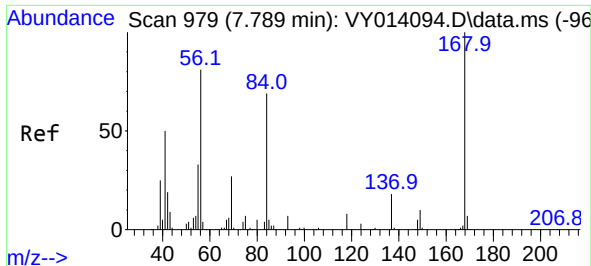
Lab File: VY014378.D

Acq: 22 Jun 2023 14:52

Tgt Ion: 42 Resp: 3863

Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.8	49.2
71	20.4	31.0	46.4#

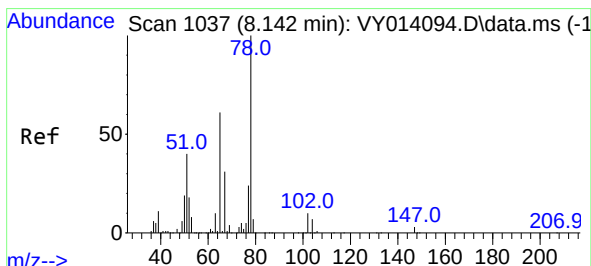
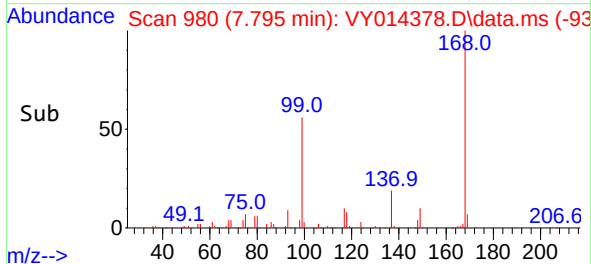
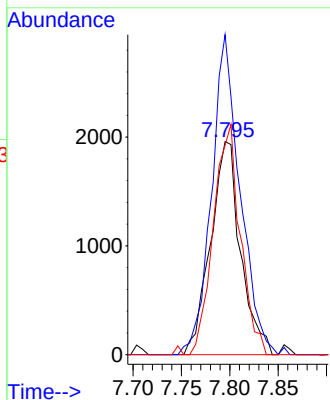
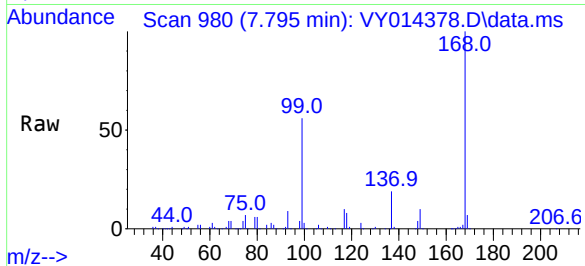




#31
Cyclohexane
Concen: 1.236 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

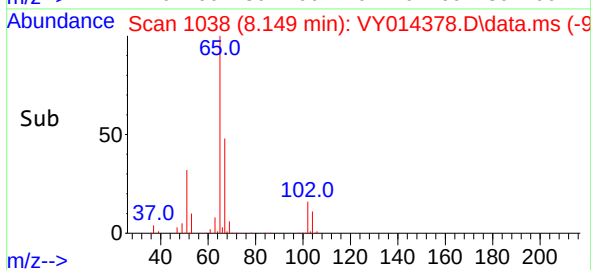
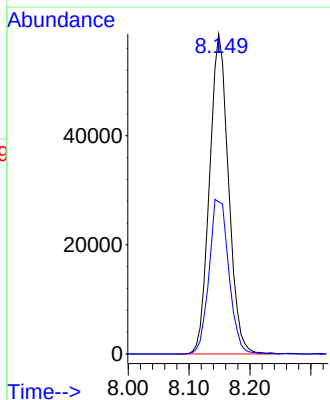
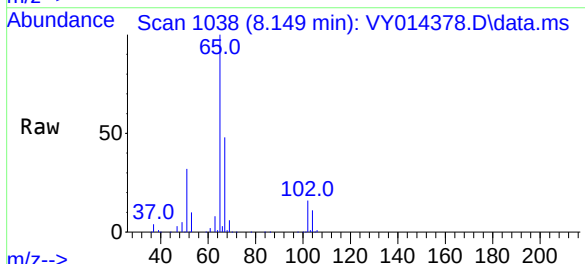
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6RE

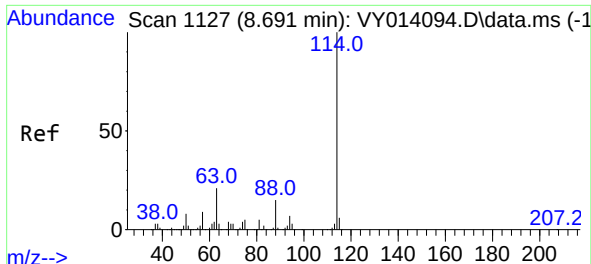
Tgt Ion: 56 Resp: 4227
Ion Ratio Lower Upper
56 100
69 150.2 27.8 41.6#
84 98.2 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 49.719 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 65 Resp: 126927
Ion Ratio Lower Upper
65 100
67 50.4 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY014378.D

Acq: 22 Jun 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-01-GRAB-6RE

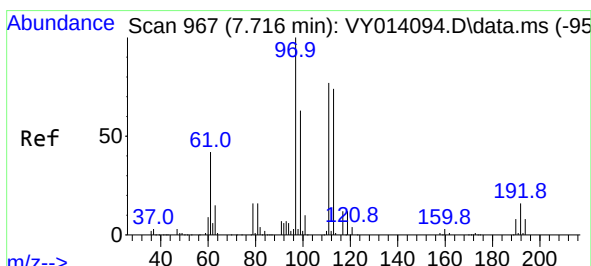
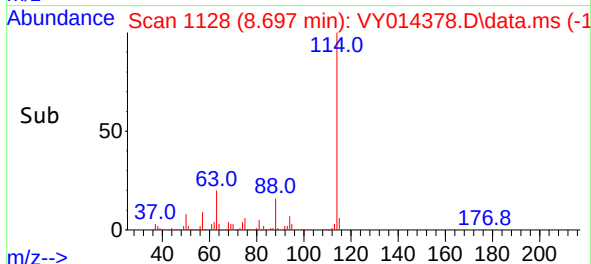
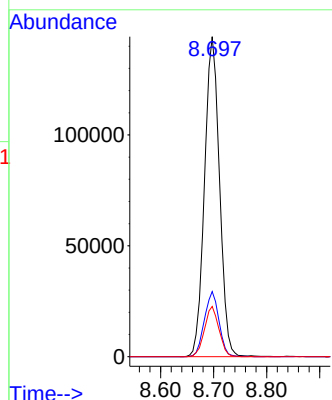
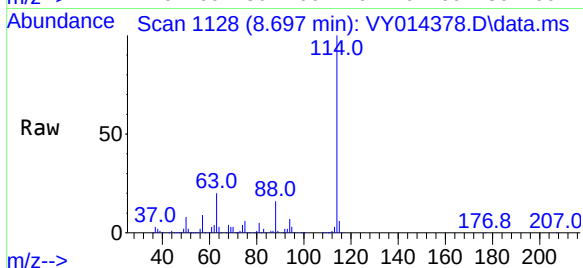
Tgt Ion:114 Resp: 283358

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 46.910 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY014378.D

Acq: 22 Jun 2023 14:52

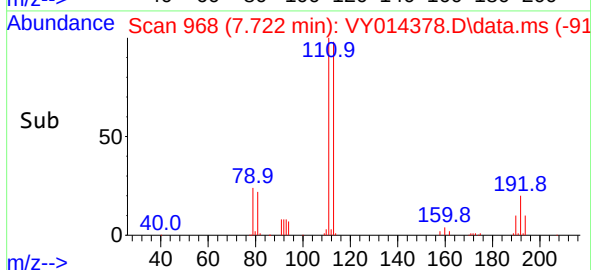
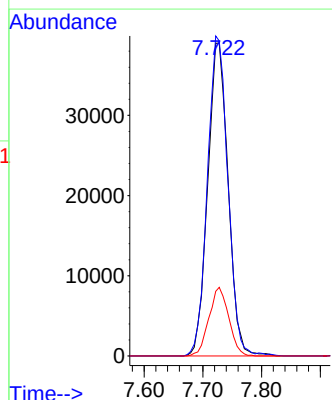
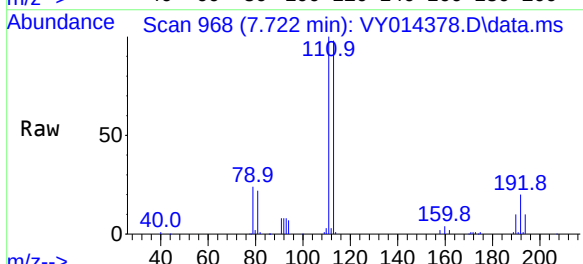
Tgt Ion:113 Resp: 94267

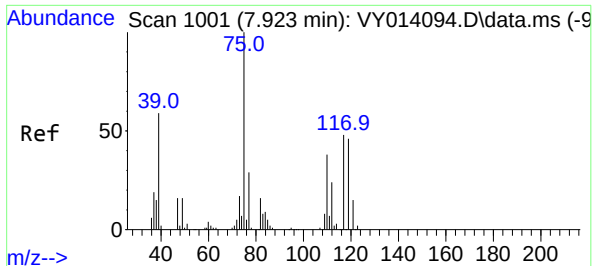
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 21.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.126 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY014378.D

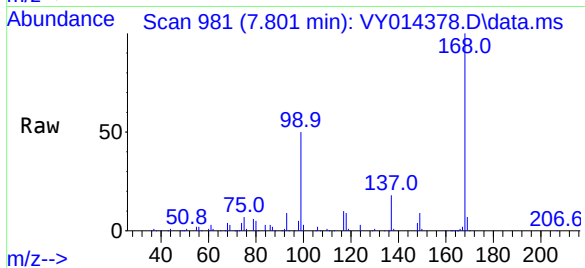
Acq: 22 Jun 2023 14:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-TW-01-GRAB-6RE



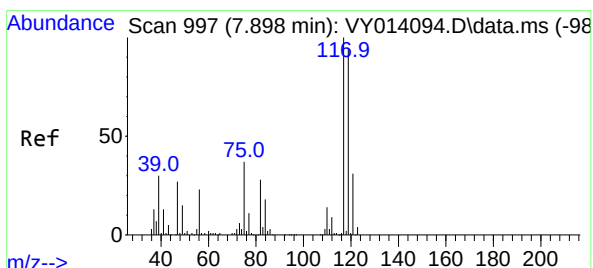
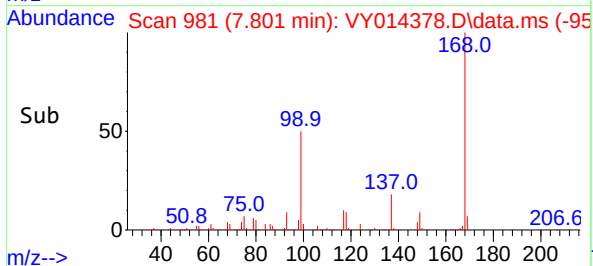
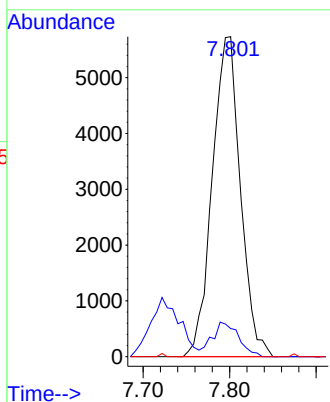
Tgt Ion: 75 Resp: 12926

Ion Ratio Lower Upper

75 100

110 10.2 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.936 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY014378.D

Acq: 22 Jun 2023 14:52

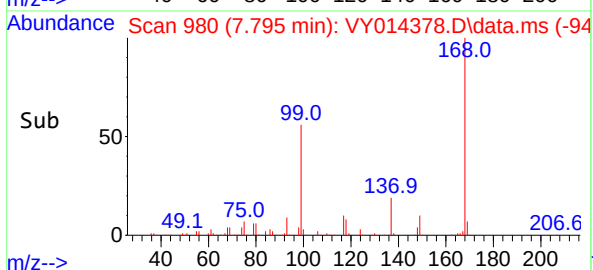
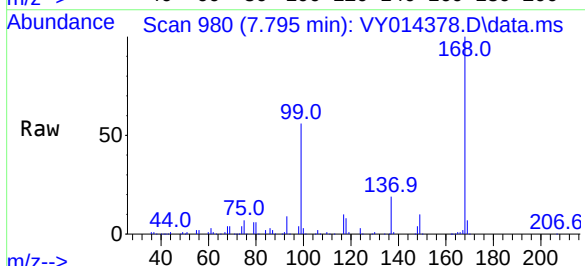
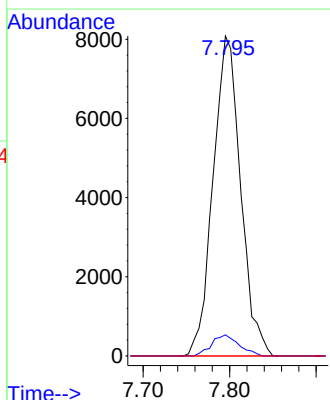
Tgt Ion: 117 Resp: 17846

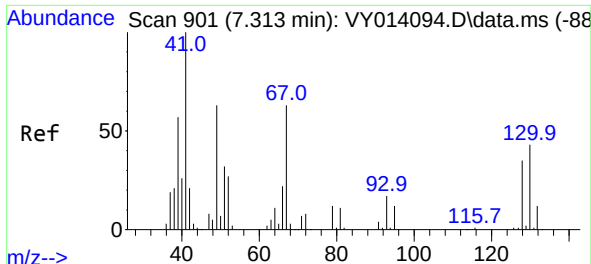
Ion Ratio Lower Upper

117 100

119 6.6 76.4 114.6#

121 0.0 25.8 38.6#

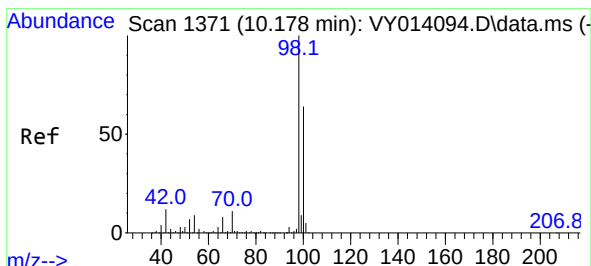
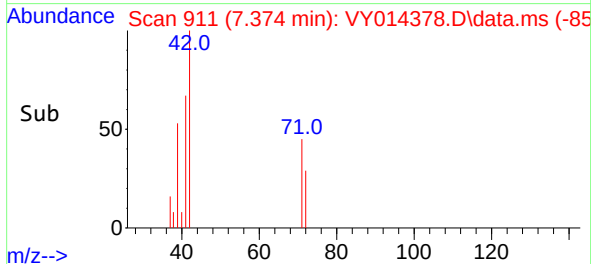
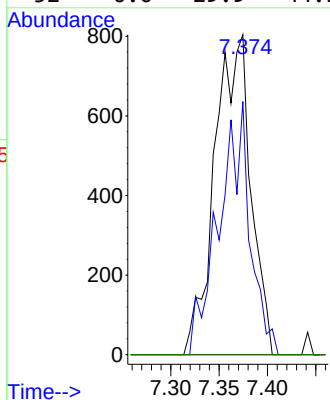
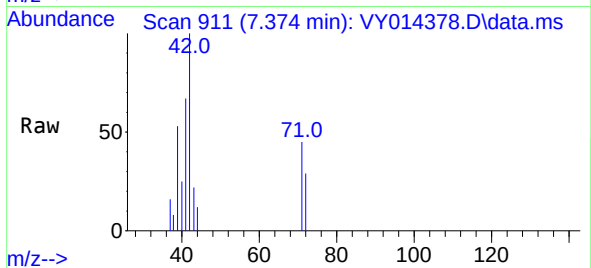




#41
Methacrylonitrile
Concen: 1.895 ug/l
RT: 7.374 min Scan# 911
Delta R.T. 0.061 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

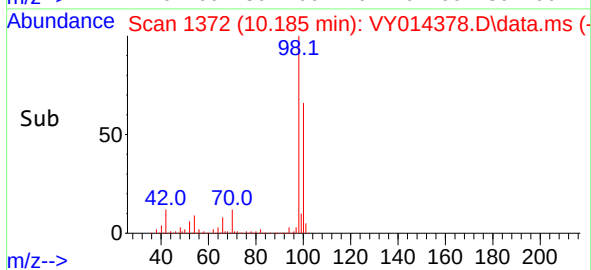
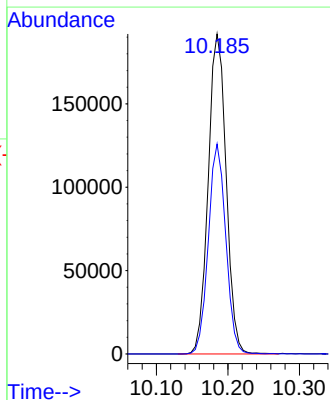
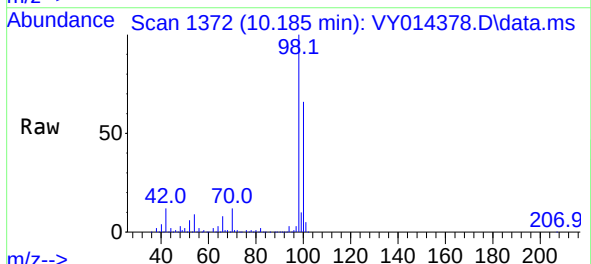
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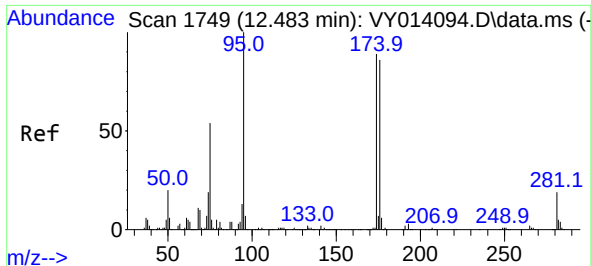
Tgt Ion: 41	Resp: 2090
Ion Ratio	Lower Upper
41 100	
39 67.5	52.1 78.1
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 44.609 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 98	Resp: 335138
Ion Ratio	Lower Upper
98 100	
100 63.7	50.1 75.1

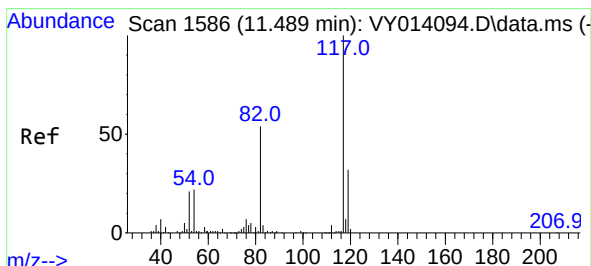
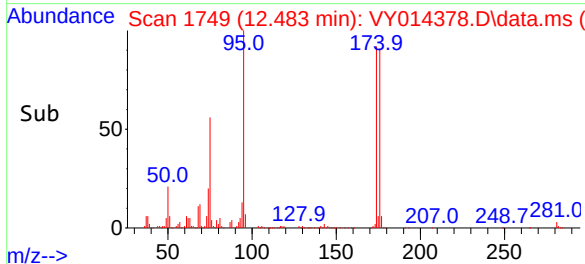
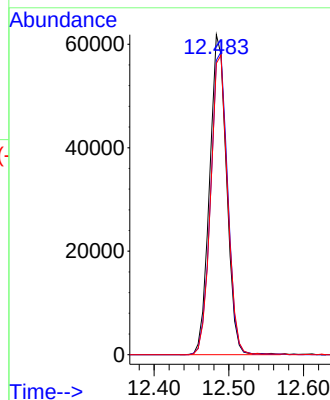
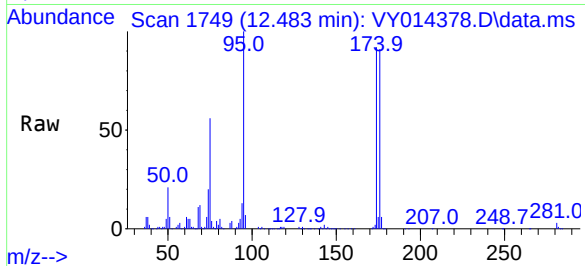




#62
4-Bromofluorobenzene
Concen: 36.474 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

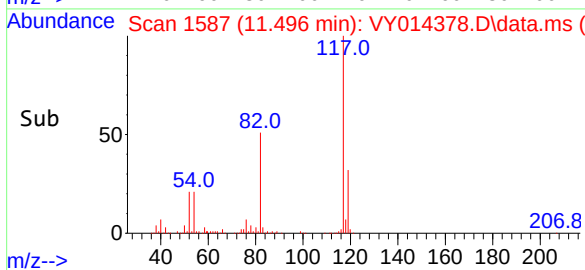
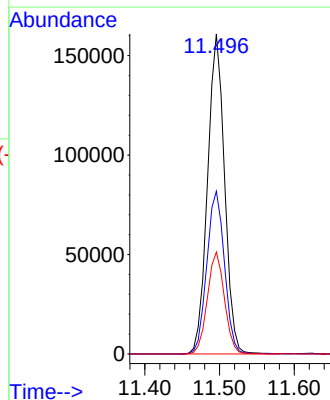
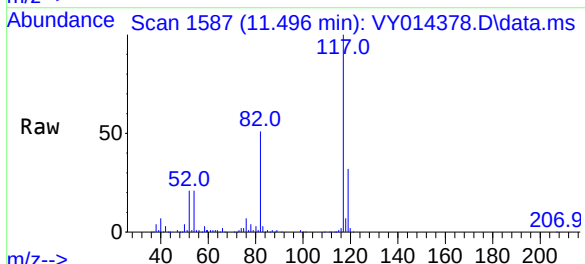
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6RE

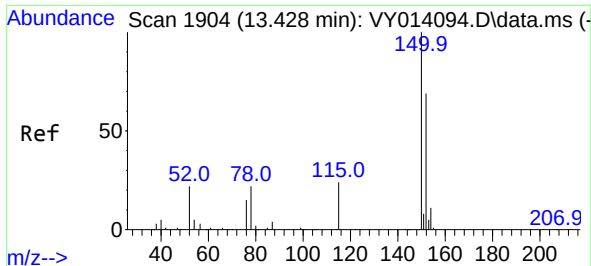
Tgt Ion: 95 Resp: 97340
Ion Ratio Lower Upper
95 100
174 94.9 0.0 178.2
176 93.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 117 Resp: 254703
Ion Ratio Lower Upper
117 100
82 50.9 43.4 65.0
119 31.8 26.3 39.5

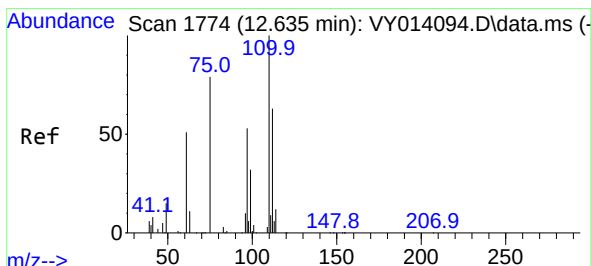
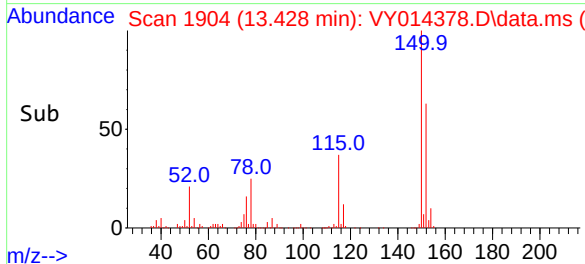
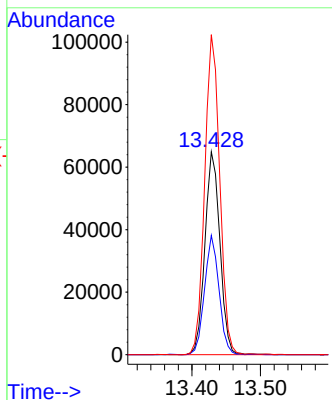
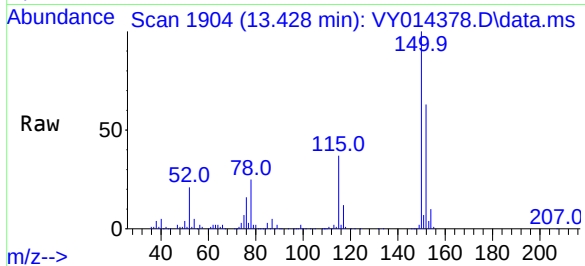




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

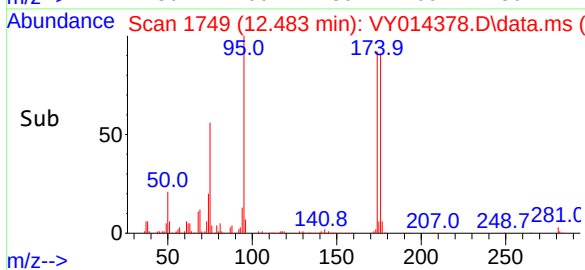
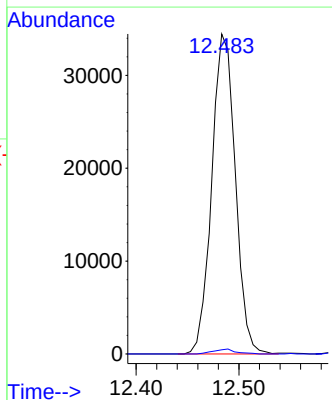
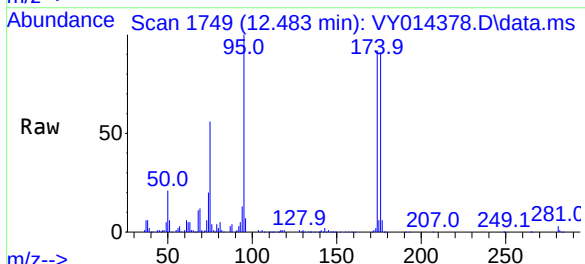
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6RE

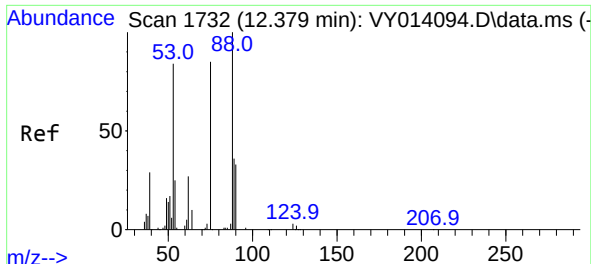
Tgt Ion:152 Resp: 99075
Ion Ratio Lower Upper
152 100
115 56.6 28.8 86.5
150 157.8 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 42.227 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 75 Resp: 54888
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

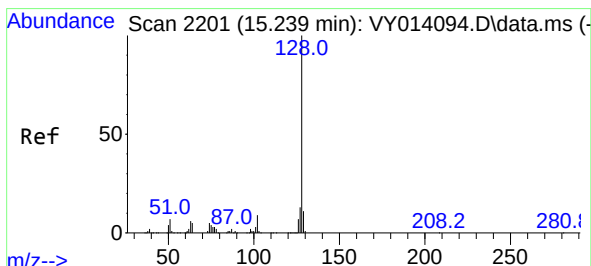
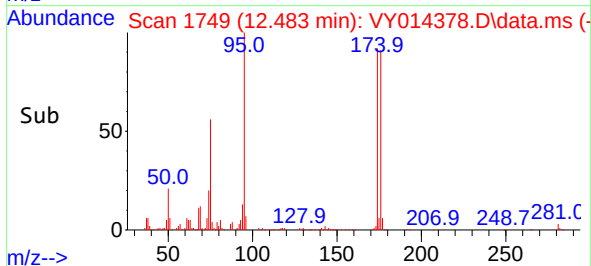
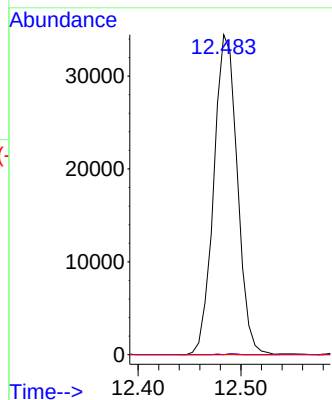
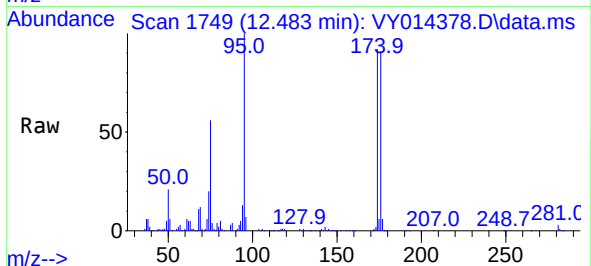




#81
trans-1,4-Dichloro-2-butene
Concen: 91.278 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-TW-01-GRAB-6RE

Tgt Ion: 75 Resp: 54888
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 1.619 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY014378.D
Acq: 22 Jun 2023 14:52

Tgt Ion: 128 Resp: 7090
Ion Ratio Lower Upper
128 100
127 11.9 10.8 16.2
129 11.4 8.6 13.0

