

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014184.D
 Acq On : 15 Jun 2023 13:09
 Operator : KP/MD
 Sample : 03222-05RE
 Misc : 10.77g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-GRAB-4-SB-33

Quant Time: Jun 16 02:07:16 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)

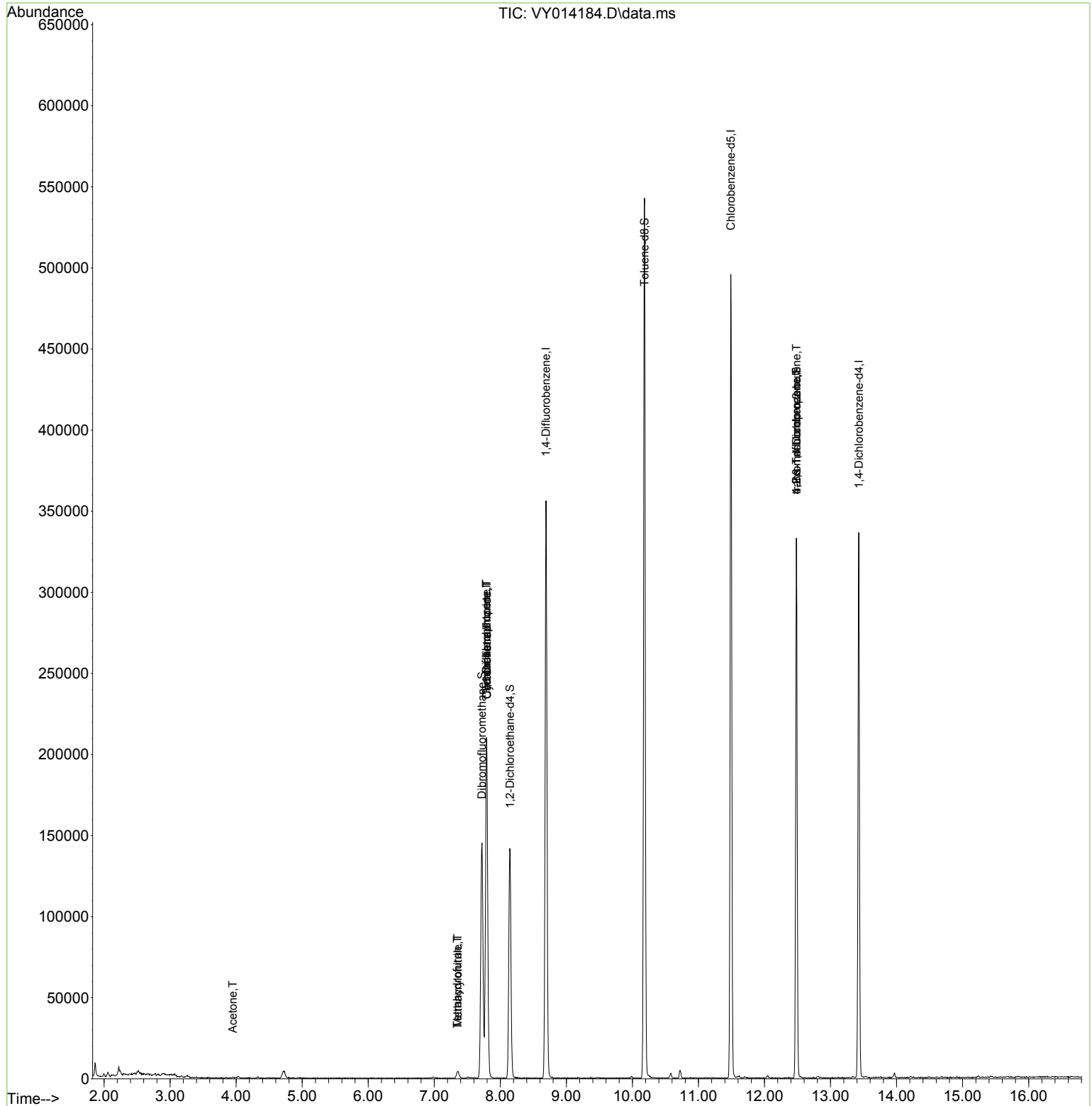
Internal Standards						
1) Pentafluorobenzene	7.789	168	164396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	291502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	266316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	119945	52.395	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.800%	
35) Dibromofluoromethane	7.722	113	99962	48.355	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.700%	
50) Toluene-d8	10.185	98	355688	46.022	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.040%	
62) 4-Bromofluorobenzene	12.483	95	91808	33.440	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 66.880%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.978	59	166	Below Cal	#	89
13) Acrolein	3.723	56	20	Below Cal	#	71
16) Acetone	3.948	43	921	1.335	ug/l	91
20) Methylene Chloride	4.722	84	3449	Below Cal		90
29) Tetrahydrofuran	7.350	42	3080	5.718	ug/l	96
31) Cyclohexane	7.795	56	3799	1.239	ug/l #	42
36) 1,1-Dichloropropene	7.789	75	12402	3.848	ug/l #	51
38) Carbon Tetrachloride	7.795	117	15911	4.278	ug/l #	16
41) Methacrylonitrile	7.356	41	2097	1.848	ug/l #	45
76) 1,2,3-Trichloropropane	12.483	75	51133	46.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51133	99.930	ug/l #	11

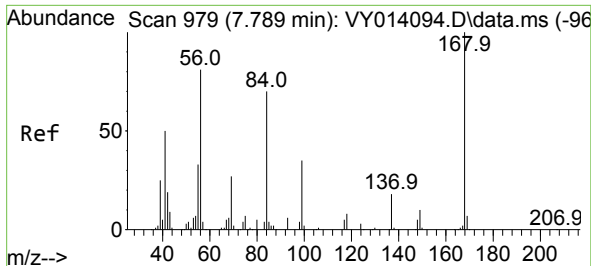
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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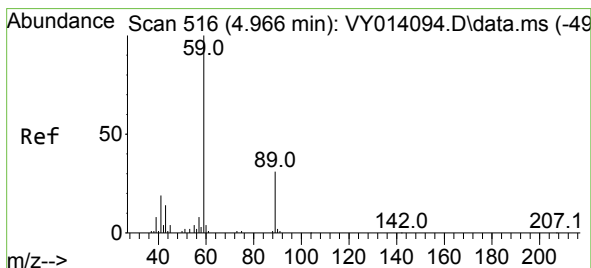
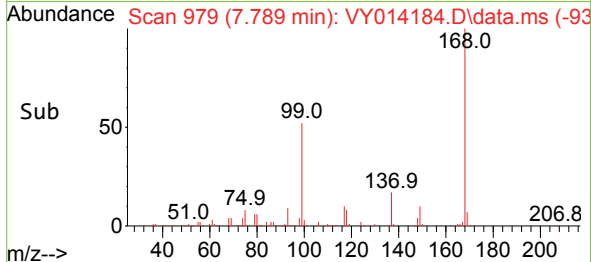
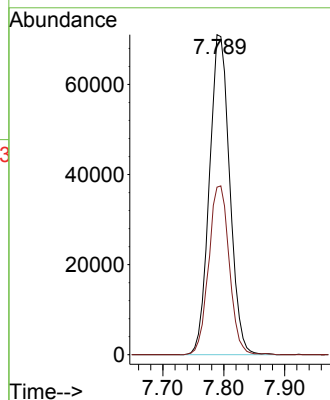
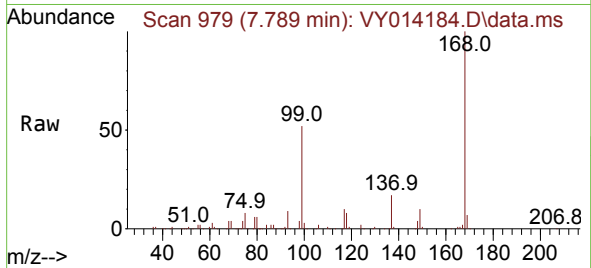




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

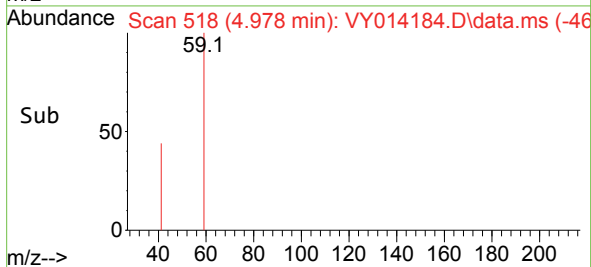
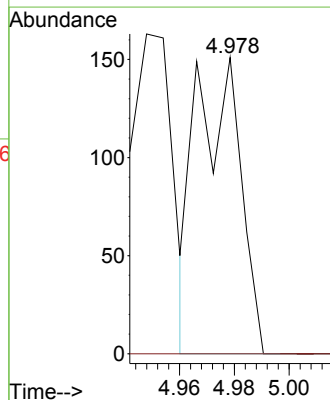
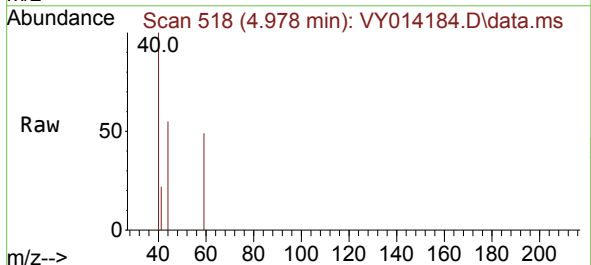
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

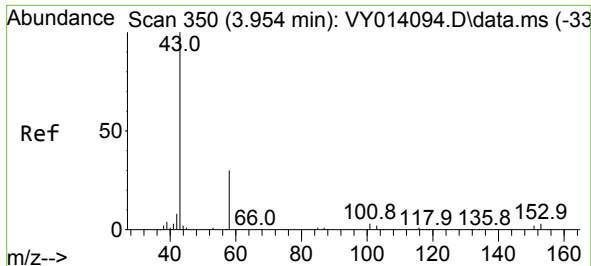
Tgt Ion:168 Resp: 164396
Ion Ratio Lower Upper
168 100
99 52.4 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

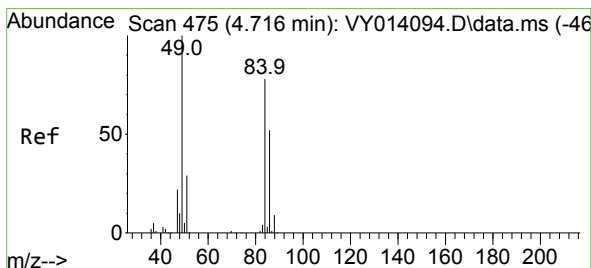
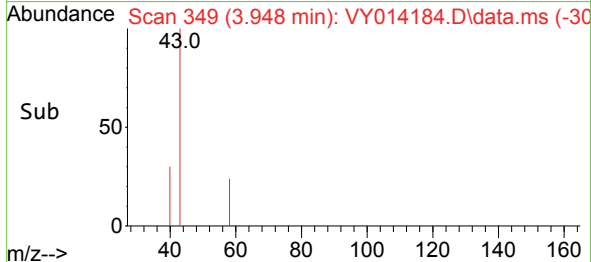
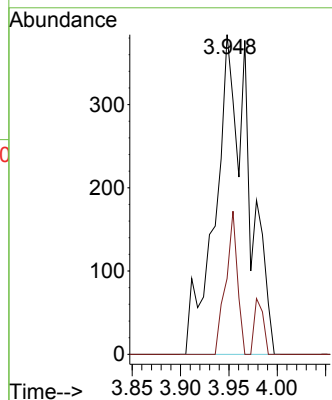
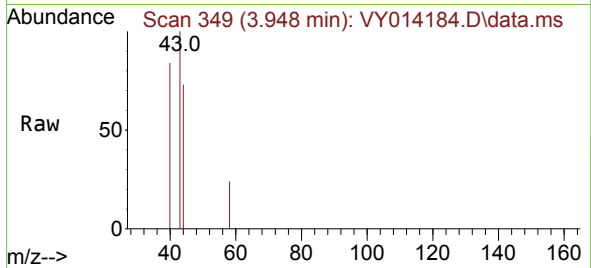




#16
Acetone
Concen: 1.335 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

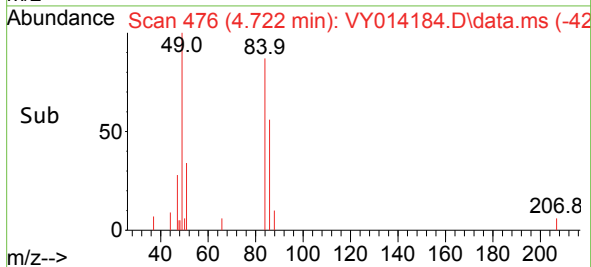
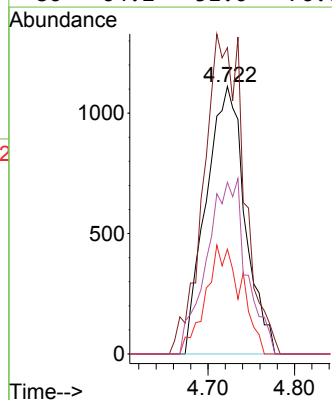
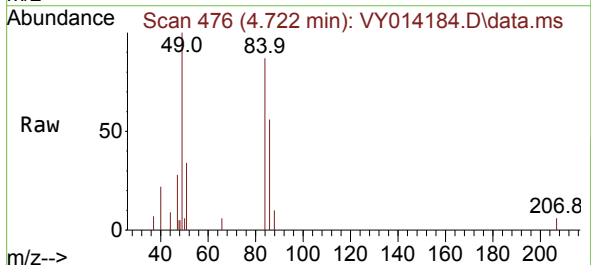
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

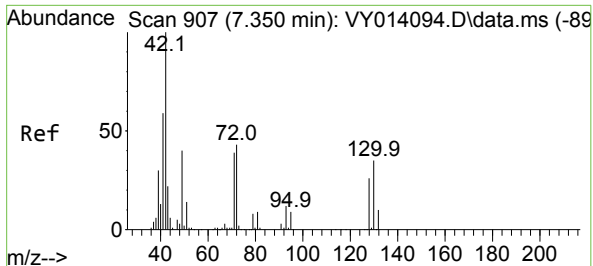
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
58 23.7 22.7 34.1



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

Tgt Ion: 84 Resp: 3449
Ion Ratio Lower Upper
84 100
49 114.5 106.9 160.3
51 39.2 33.2 49.8
86 64.2 51.0 76.6

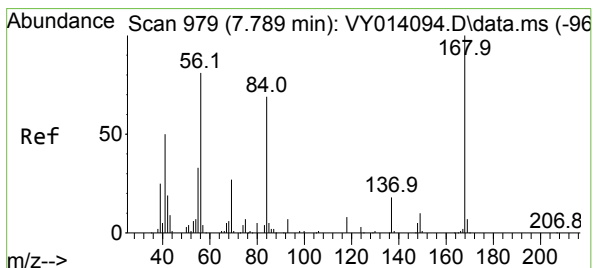
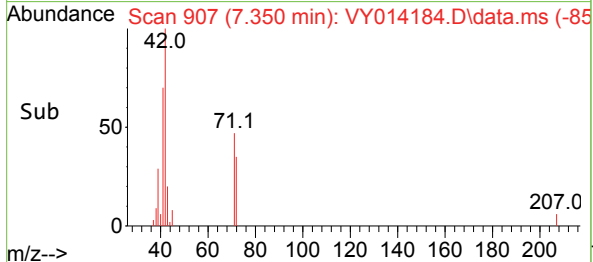
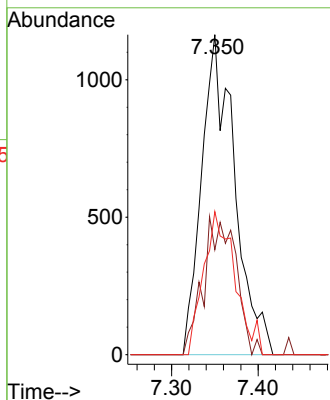
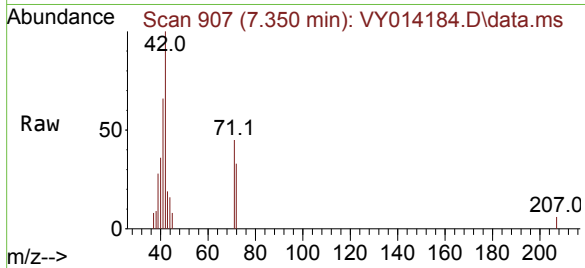




#29
Tetrahydrofuran
Concen: 5.718 ug/l
RT: 7.350 min Scan# 907
Delta R.T. -0.000 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

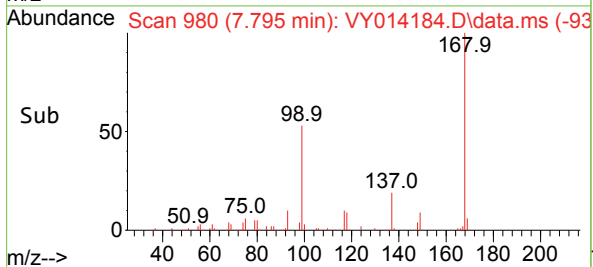
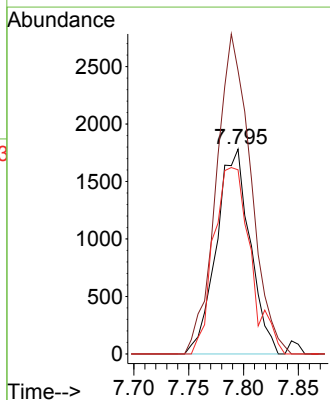
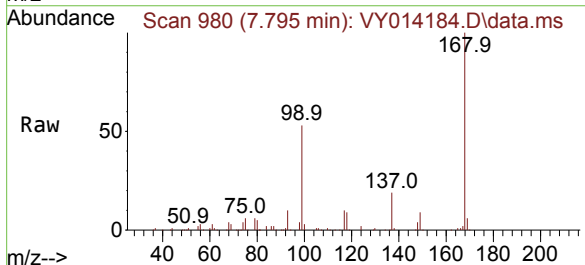
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

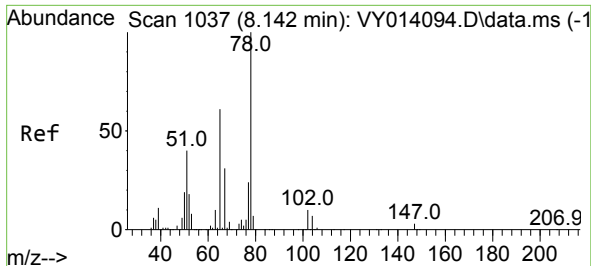
Tgt Ion:	42	Resp:	3080
Ion	Ratio	Lower	Upper
42	100		
72	42.5	32.8	49.2
71	42.4	31.0	46.4



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

Tgt Ion:	56	Resp:	3799
Ion	Ratio	Lower	Upper
56	100		
69	138.4	27.8	41.6#
84	89.9	66.4	99.6

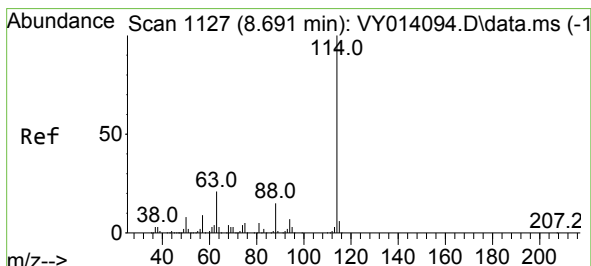
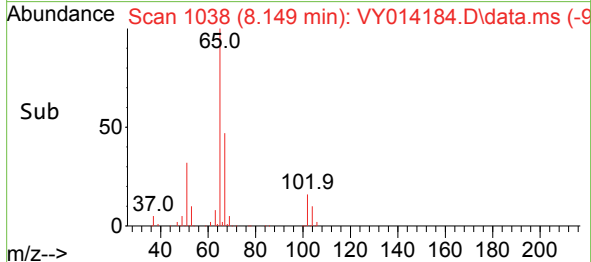
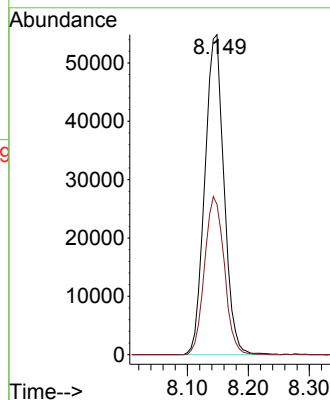
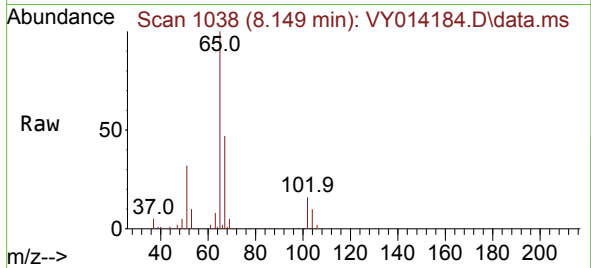




#33
1,2-Dichloroethane-d4
Concen: 52.395 ug/l
RT: 8.149 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

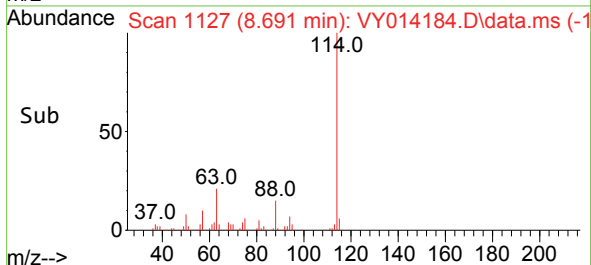
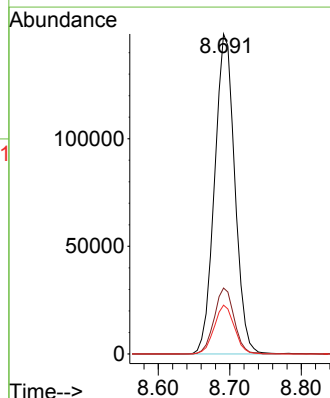
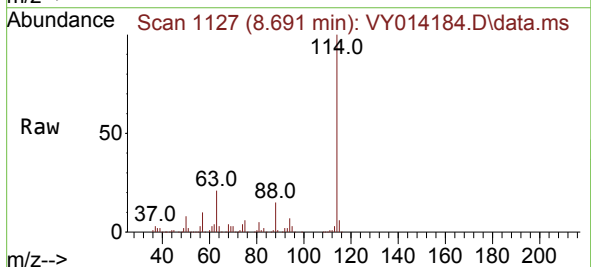
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

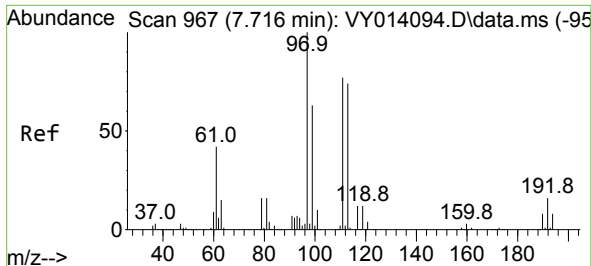
Tgt Ion: 65 Resp: 119945
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

Tgt Ion:114 Resp: 291502
Ion Ratio Lower Upper
114 100
63 20.6 0.0 42.4
88 15.2 0.0 30.6

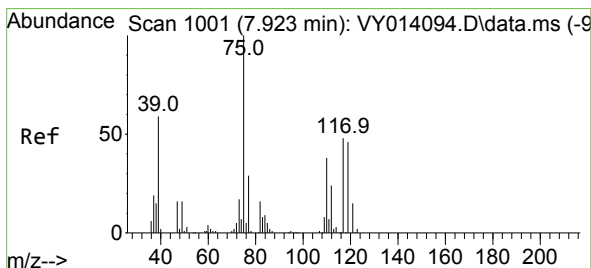
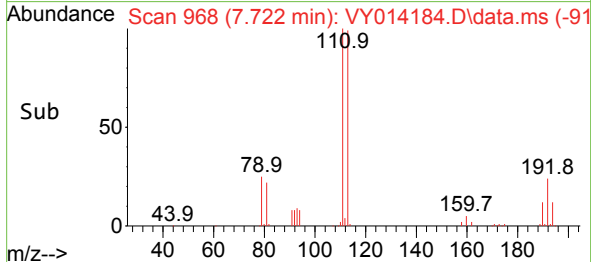
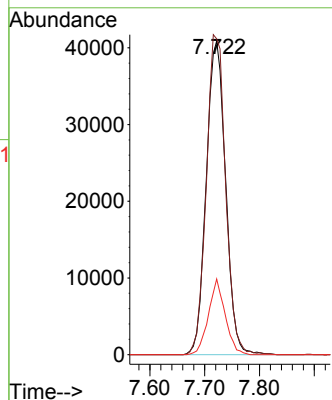
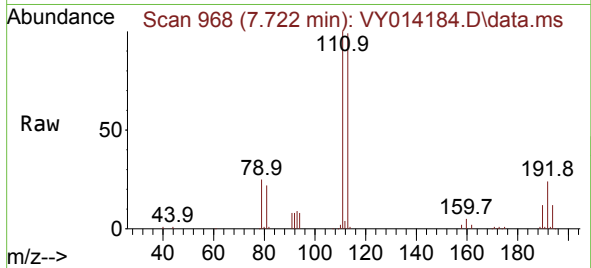




#35
Dibromofluoromethane
Concen: 48.355 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

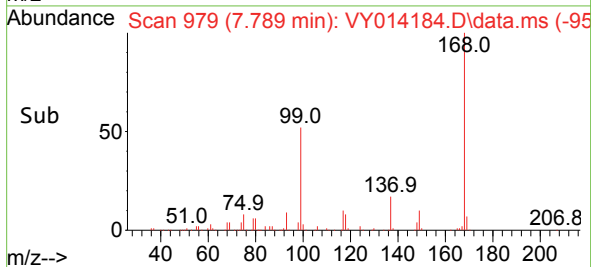
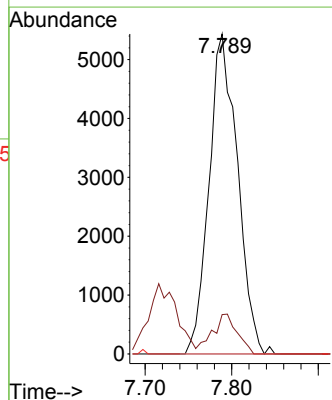
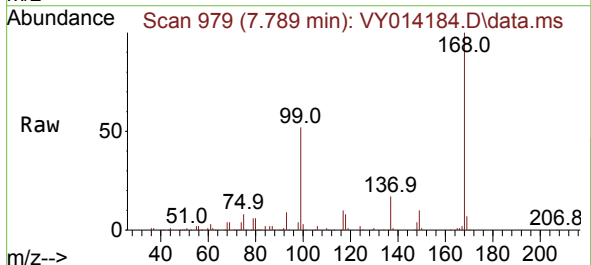
Instrument :
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TOTAL-VOC-GRAB-4-SB-33

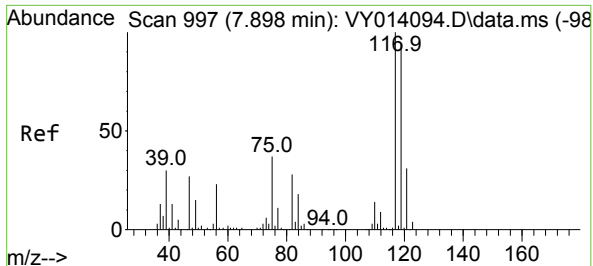
Tgt Ion:113 Resp: 99962
Ion Ratio Lower Upper
113 100
111 101.7 81.3 121.9
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.848 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

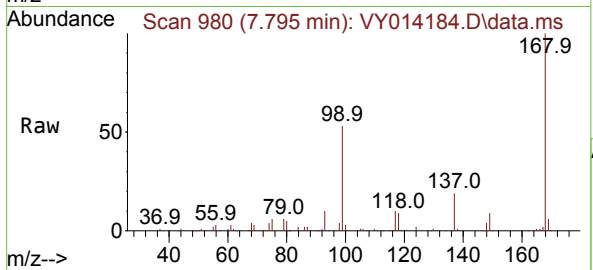
Tgt Ion: 75 Resp: 12402
Ion Ratio Lower Upper
75 100
110 10.9 17.8 53.5#
77 0.0 24.4 36.6#



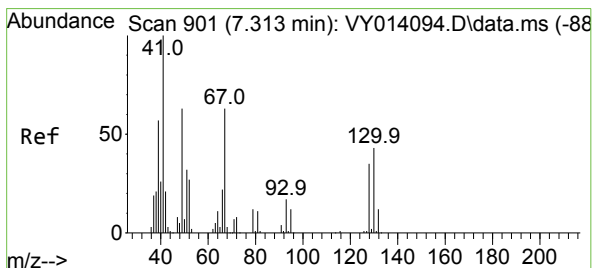
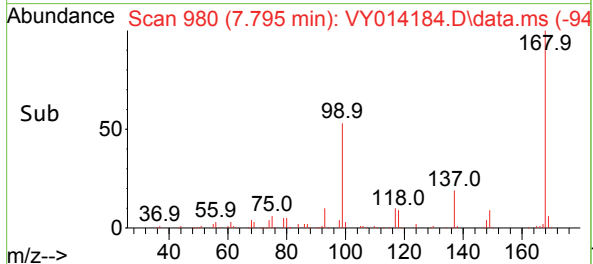
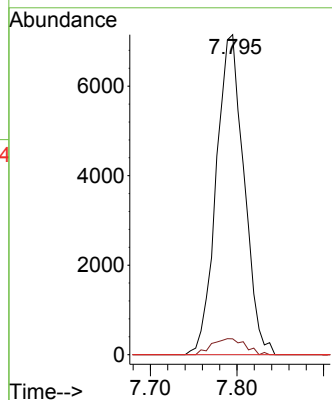


#38
Carbon Tetrachloride
Concen: 4.278 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-GRAB-4-SB-33

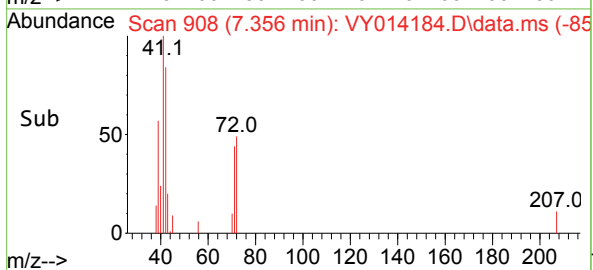
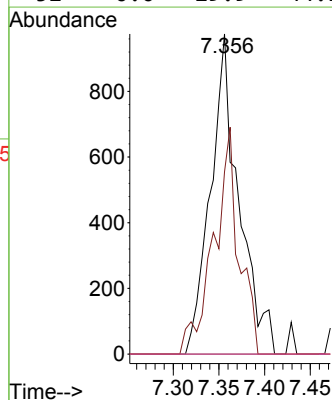
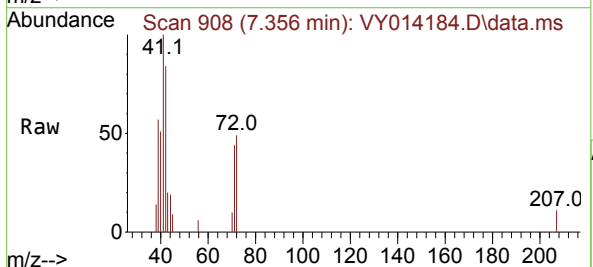


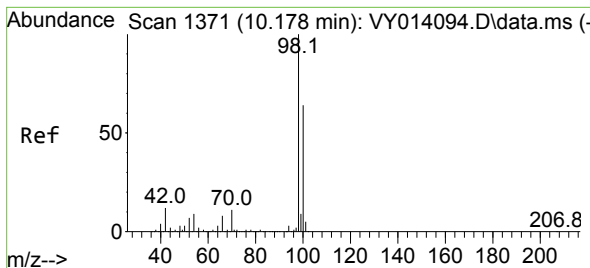
Tgt Ion:117 Resp: 15911
Ion Ratio Lower Upper
117 100
119 4.9 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 1.848 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.043 min
Lab File: VY014184.D
Acq: 15 Jun 2023 13:09

Tgt Ion: 41 Resp: 2097
Ion Ratio Lower Upper
41 100
39 62.3 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#50

Toluene-d8

Concen: 46.022 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.007 min

Lab File: VY014184.D

Acq: 15 Jun 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

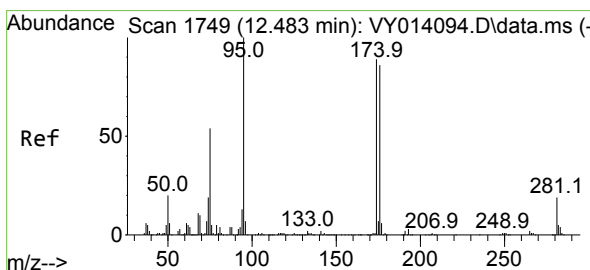
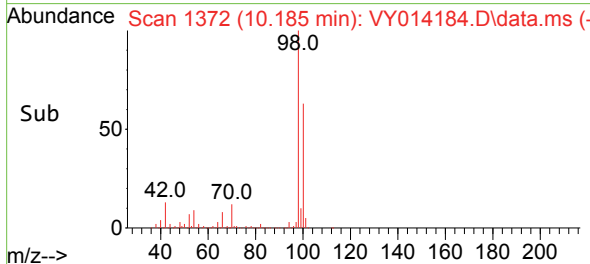
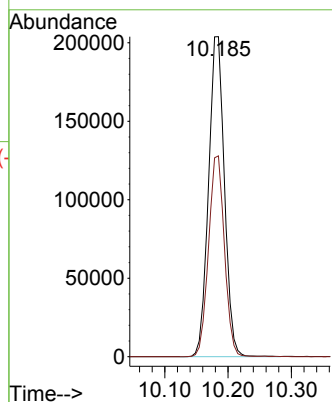
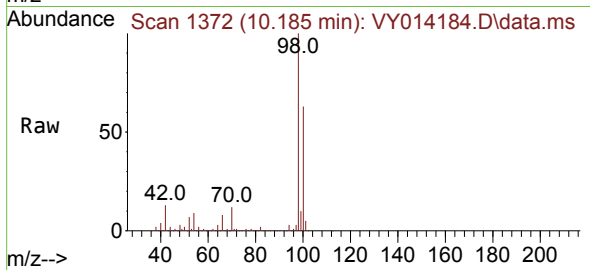
TOTAL-VOC-GRAB-4-SB-33

Tgt Ion: 98 Resp: 355688

Ion Ratio Lower Upper

98 100

100 62.8 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 33.440 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014184.D

Acq: 15 Jun 2023 13:09

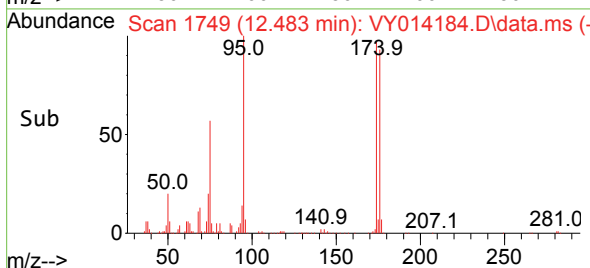
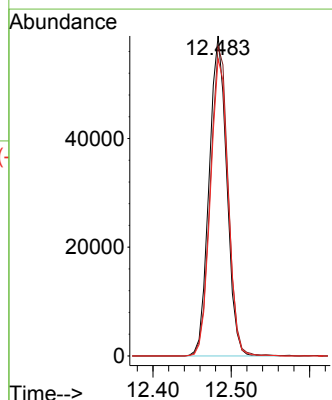
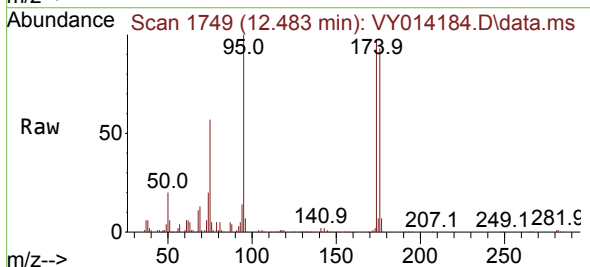
Tgt Ion: 95 Resp: 91808

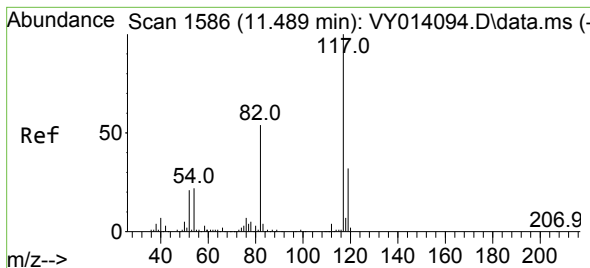
Ion Ratio Lower Upper

95 100

174 97.8 0.0 178.2

176 93.3 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: VY014184.D

Acq: 15 Jun 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-GRAB-4-SB-33

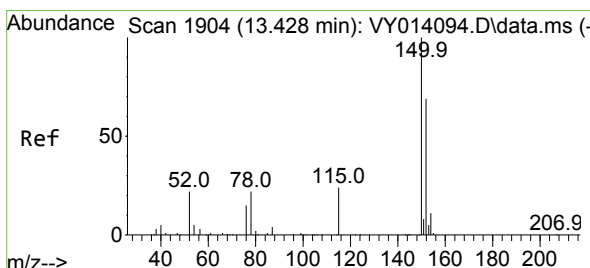
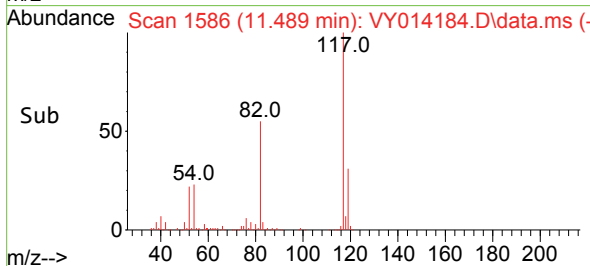
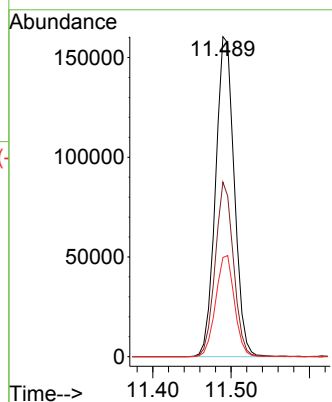
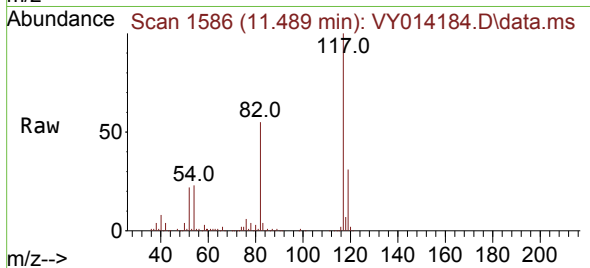
Tgt Ion:117 Resp: 266316

Ion Ratio Lower Upper

117 100

82 54.6 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: VY014184.D

Acq: 15 Jun 2023 13:09

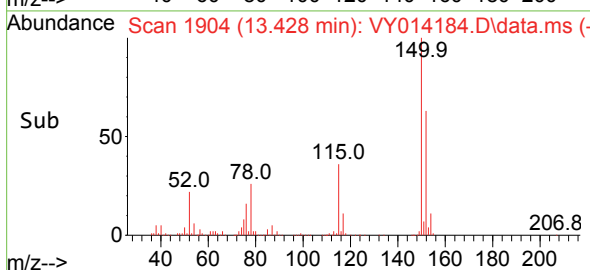
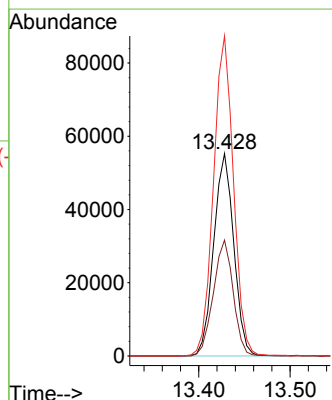
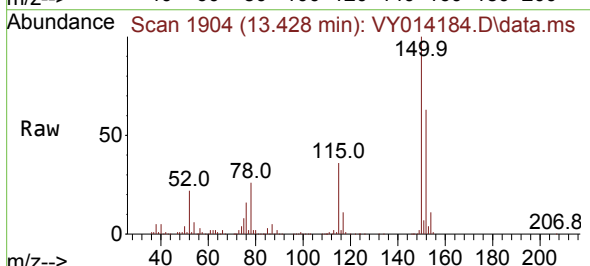
Tgt Ion:152 Resp: 84306

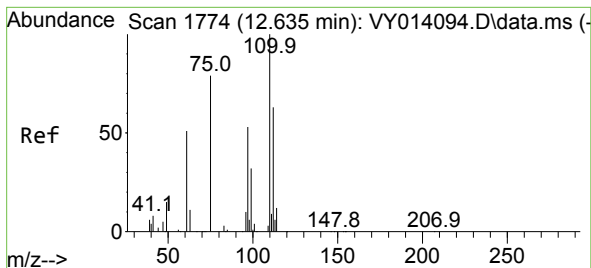
Ion Ratio Lower Upper

152 100

115 56.6 28.8 86.5

150 157.3 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 46.229 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014184.D

Acq: 15 Jun 2023 13:09

Instrument :

MSVOA_Y

ClientSampleId :

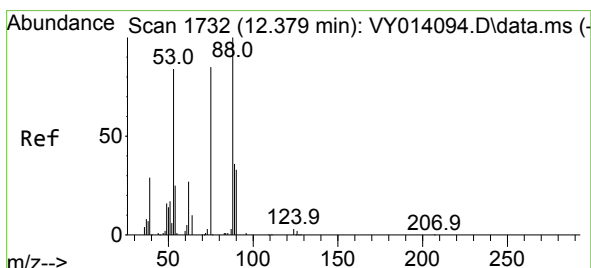
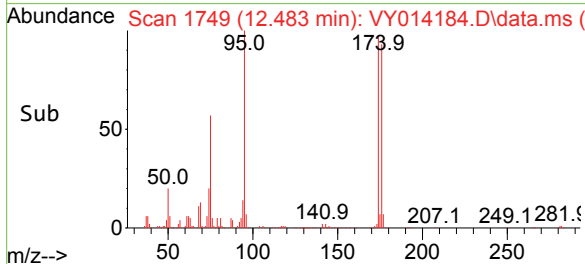
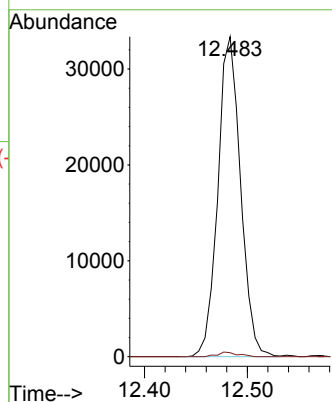
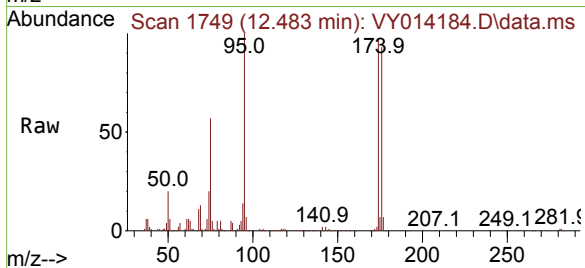
TOTAL-VOC-GRAB-4-SB-33

Tgt Ion: 75 Resp: 51133

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.930 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014184.D

Acq: 15 Jun 2023 13:09

Tgt Ion: 75 Resp: 51133

Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 0.0 37.4 56.0#

