

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061523\
 Data File : VY014188.D
 Acq On : 15 Jun 2023 14:42
 Operator : KP/MD
 Sample : 03222-17RE
 Misc : 4.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-06-GRAB-6

Quant Time: Jun 16 02:08:36 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)

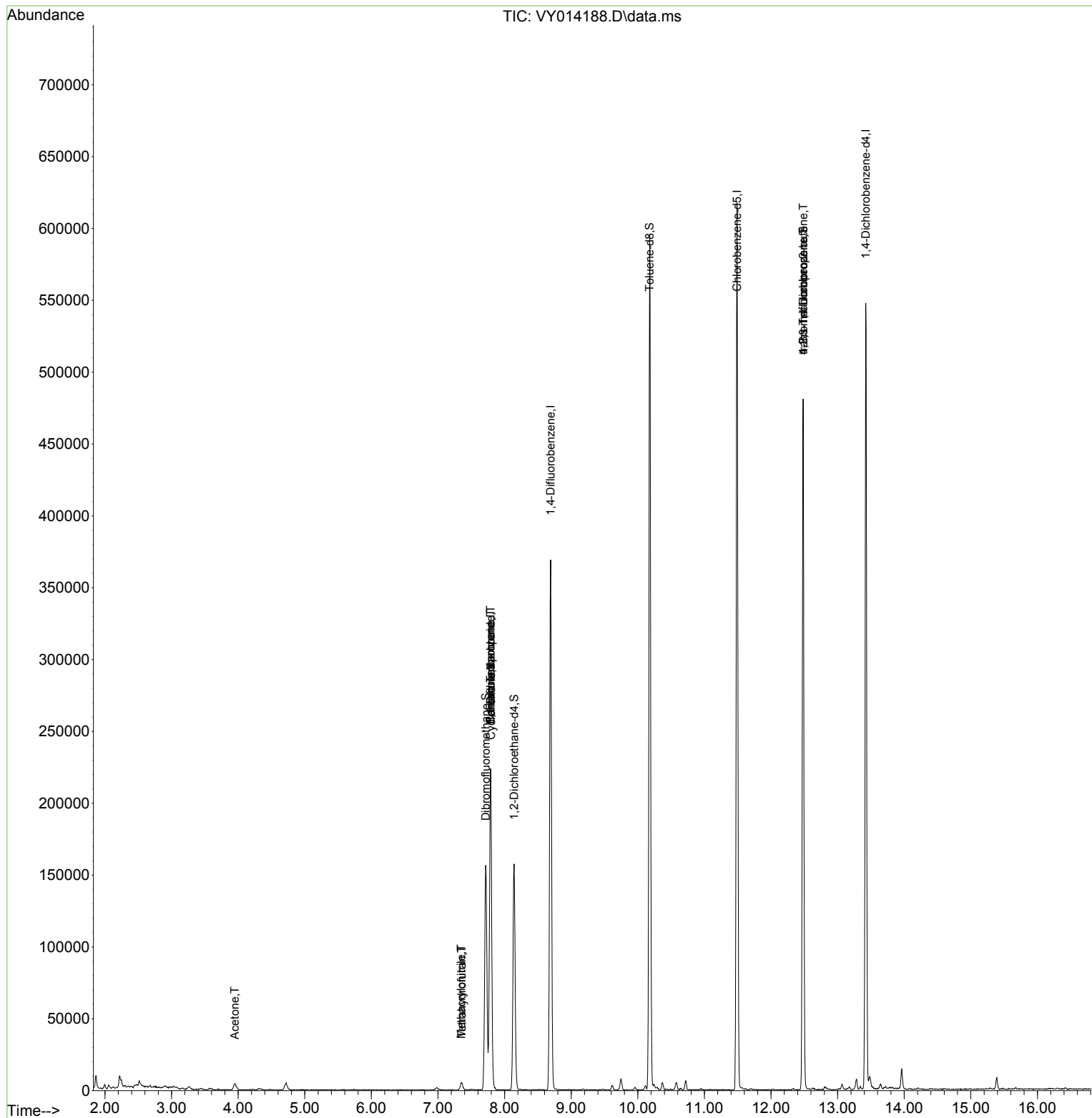
Internal Standards						
1) Pentafluorobenzene	7.789	168	172850	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	305470	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	322368	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	140610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	129859	53.951	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.900%	
35) Dibromofluoromethane	7.716	113	104663	48.314	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.620%	
50) Toluene-d8	10.179	98	385642	47.616	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 95.240%	
62) 4-Bromofluorobenzene	12.483	95	133787	46.502	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.000%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	365	Below Cal	#	89
16) Acetone	3.948	43	8107	11.174	ug/l #	87
20) Methylene Chloride	4.722	84	3381	Below Cal		87
29) Tetrahydrofuran	7.356	42	3956	6.985	ug/l #	77
31) Cyclohexane	7.795	56	4138	1.283	ug/l #	30
36) 1,1-Dichloropropene	7.789	75	13016	3.854	ug/l #	50
38) Carbon Tetrachloride	7.789	117	17172	4.406	ug/l #	17
41) Methacrylonitrile	7.350	41	2584	2.173	ug/l #	42
76) 1,2,3-Trichloropropane	12.483	75	73718	39.961	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73718	86.379	ug/l #	11

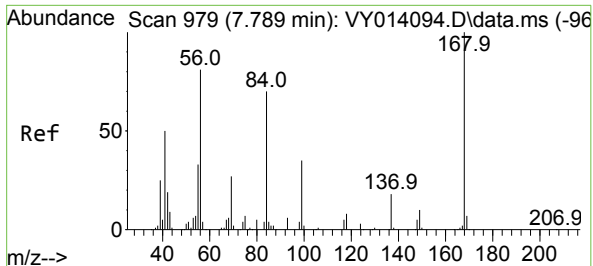
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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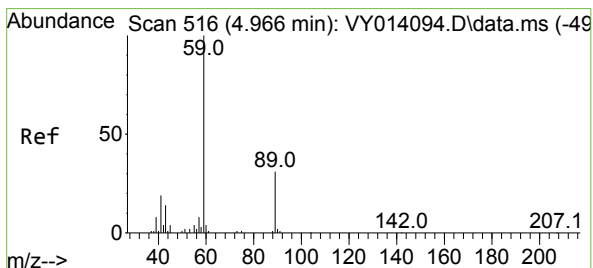
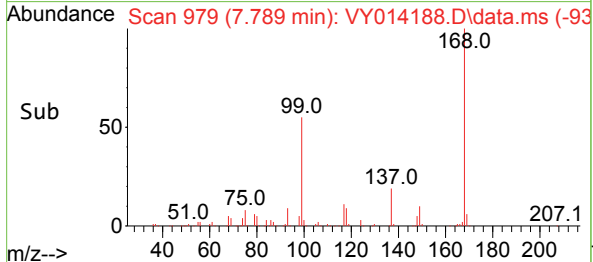
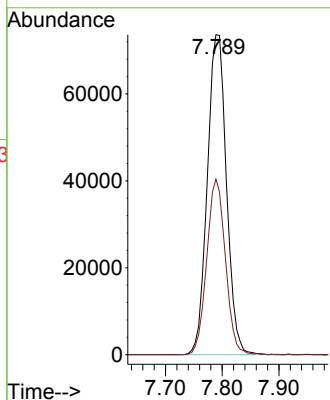
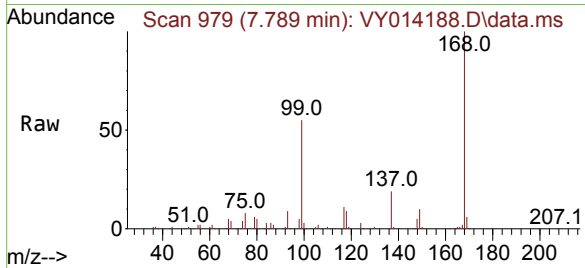




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

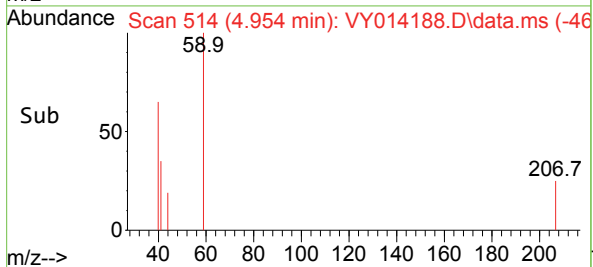
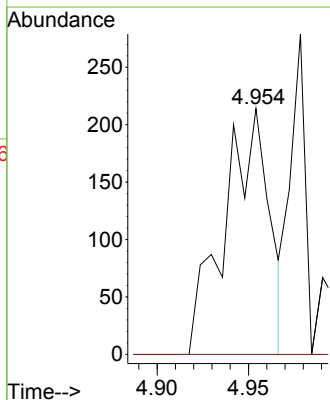
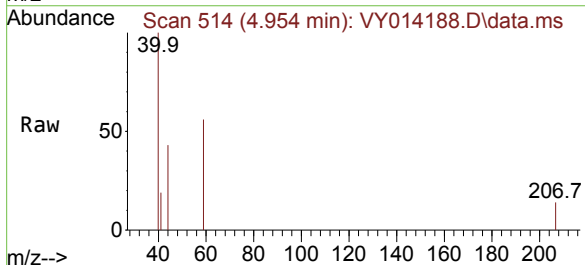
Instrument :
MSVOA_Y
ClientSampleId :
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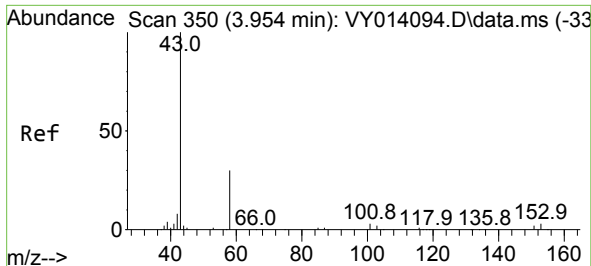
Tgt Ion:168 Resp: 172850
Ion Ratio Lower Upper
168 100
99 54.8 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 59 Resp: 365
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

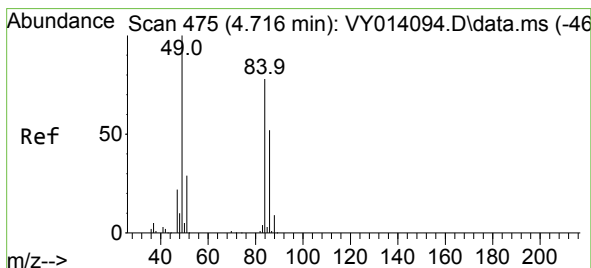
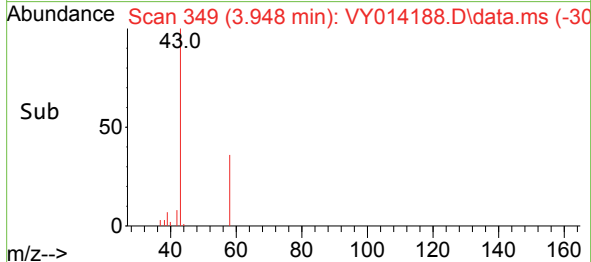
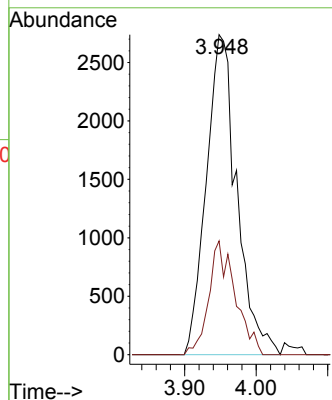
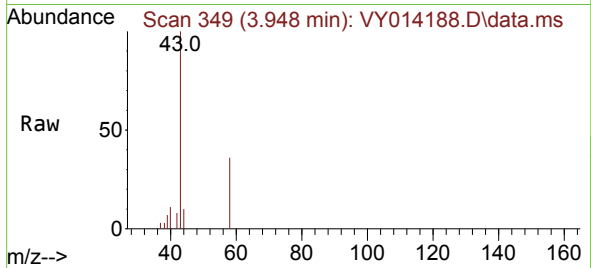




#16
Acetone
Concen: 11.174 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

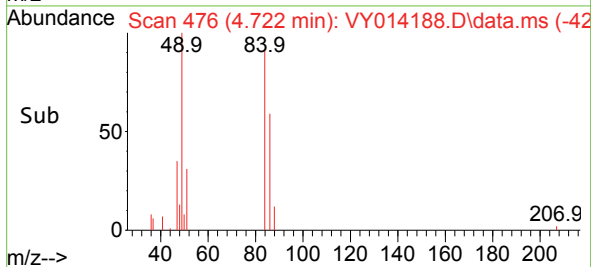
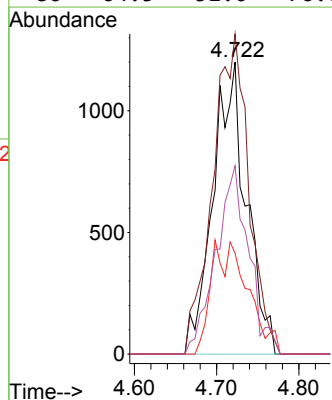
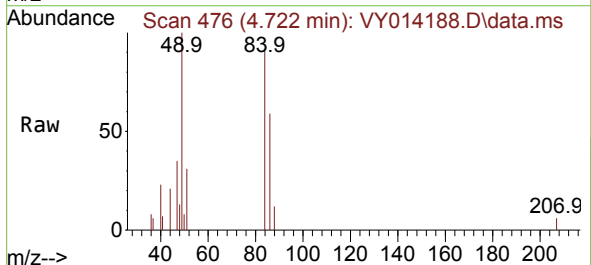
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-06-GRAB-6

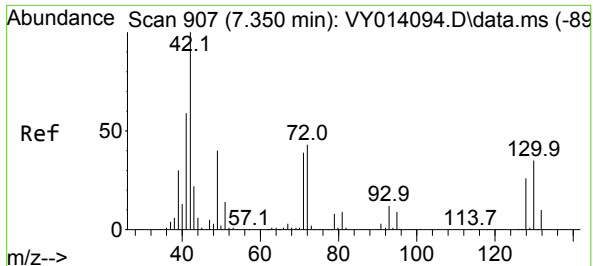
Tgt Ion: 43 Resp: 8107
Ion Ratio Lower Upper
43 100
58 35.5 22.7 34.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 84 Resp: 3381
Ion Ratio Lower Upper
84 100
49 109.7 106.9 160.3
51 34.5 33.2 49.8
86 64.5 51.0 76.6





#29

Tetrahydrofuran

Concen: 6.985 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY014188.D

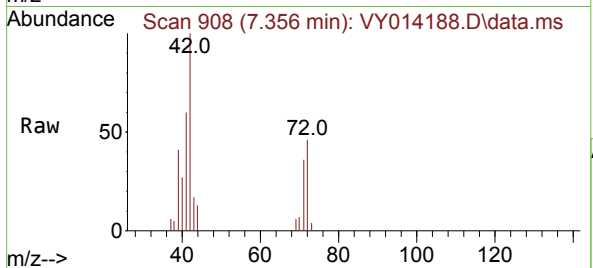
Acq: 15 Jun 2023 14:42

Instrument :

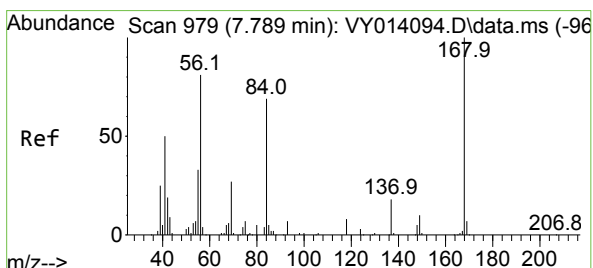
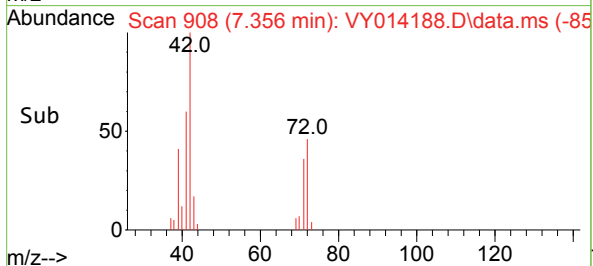
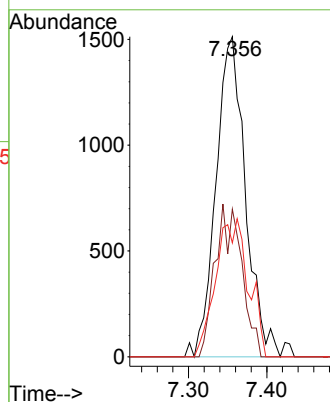
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-06-GRAB-6



Tgt Ion:	42	Resp:	3956
Ion	Ratio	Lower	Upper
42	100		
72	22.2	32.8	49.2#
71	47.8	31.0	46.4#



#31

Cyclohexane

Concen: 1.283 ug/l

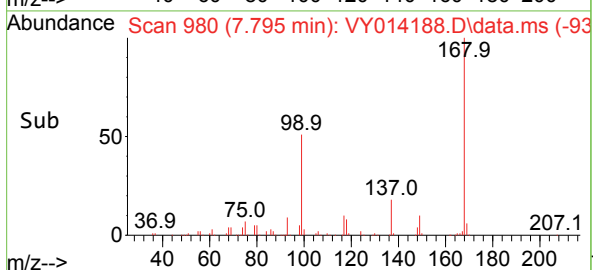
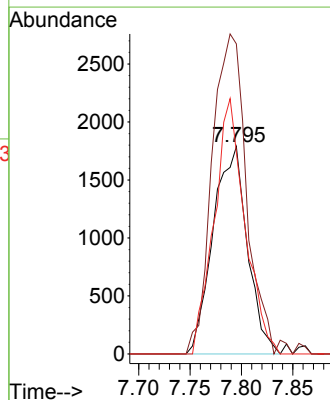
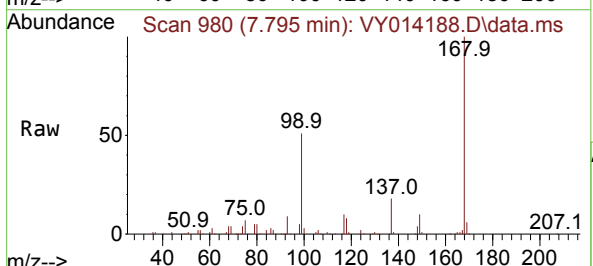
RT: 7.795 min Scan# 980

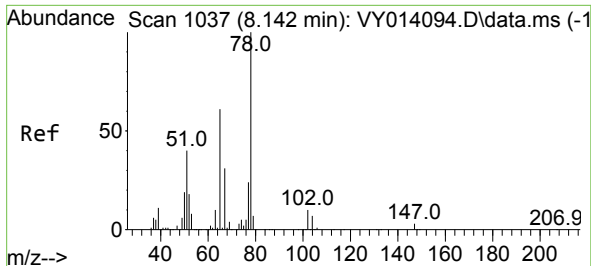
Delta R.T. 0.006 min

Lab File: VY014188.D

Acq: 15 Jun 2023 14:42

Tgt Ion:	56	Resp:	4138
Ion	Ratio	Lower	Upper
56	100		
69	149.5	27.8	41.6#
84	97.3	66.4	99.6

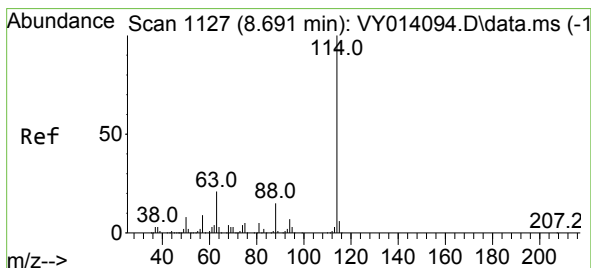
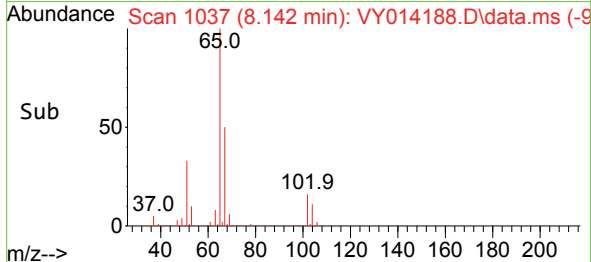
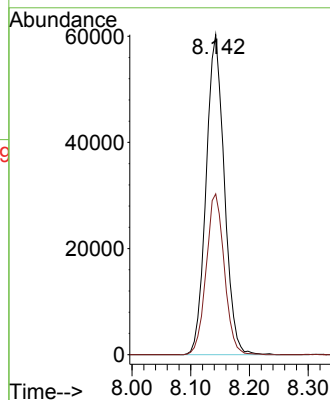
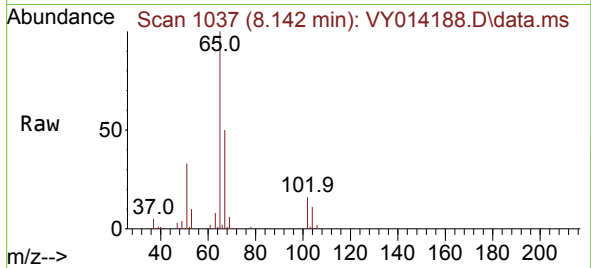




#33
1,2-Dichloroethane-d4
Concen: 53.951 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

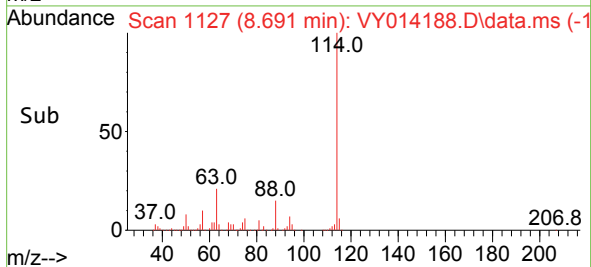
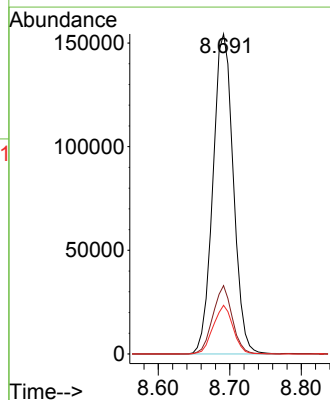
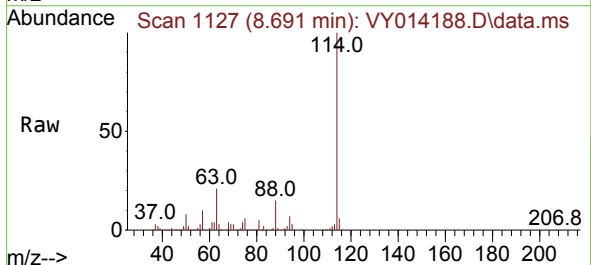
Instrument :
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ClientSampleId :
TOTAL-VOC-SB-06-GRAB-6

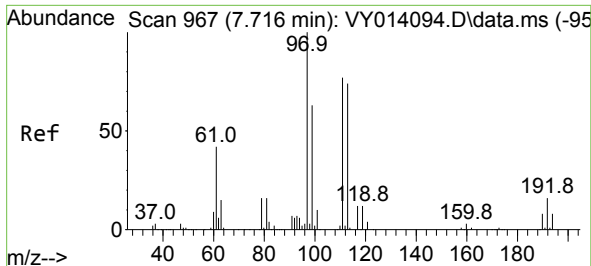
Tgt Ion: 65 Resp: 129859
Ion Ratio Lower Upper
65 100
67 50.1 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 114 Resp: 305470
Ion Ratio Lower Upper
114 100
63 21.3 0.0 42.4
88 15.2 0.0 30.6

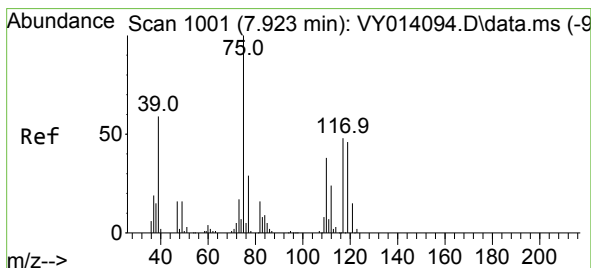
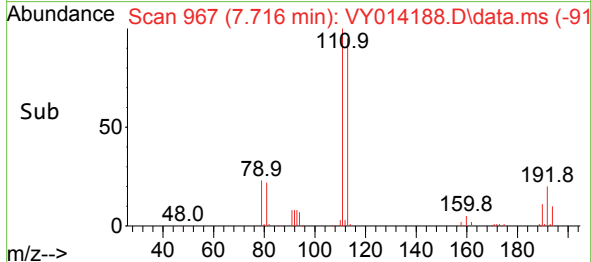
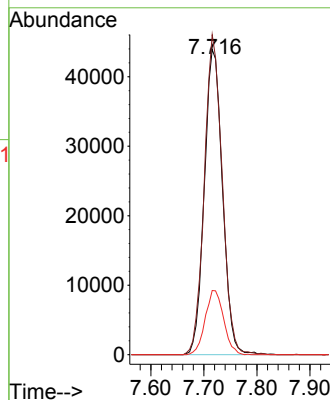
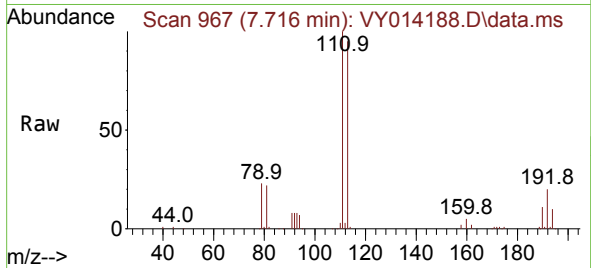




#35
Dibromofluoromethane
Concen: 48.314 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

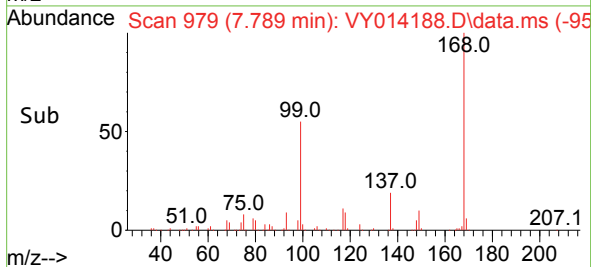
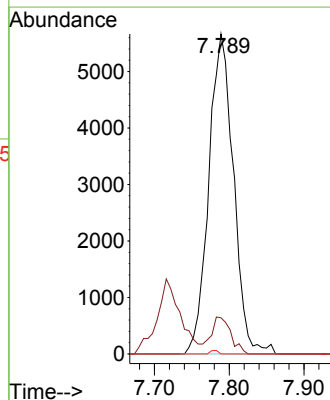
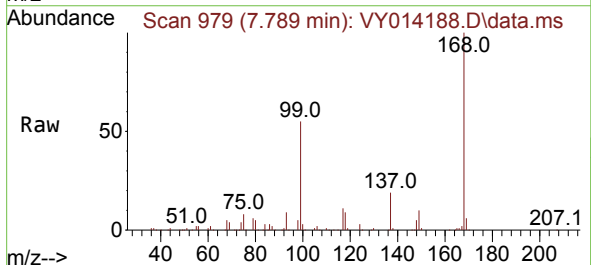
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TOTAL-VOC-SB-06-GRAB-6

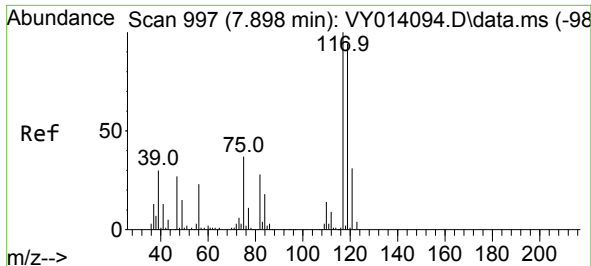
Tgt Ion:113 Resp: 104663
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 21.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.854 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 75 Resp: 13016
Ion Ratio Lower Upper
75 100
110 9.1 17.8 53.5#
77 0.3 24.4 36.6#

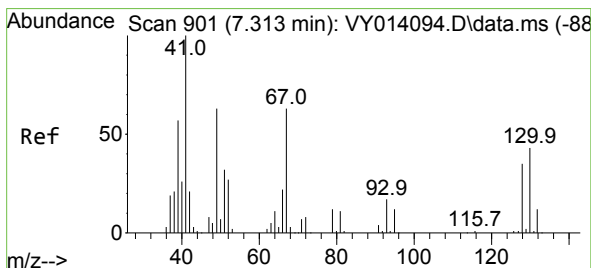
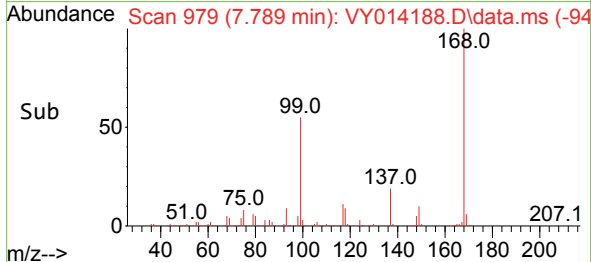
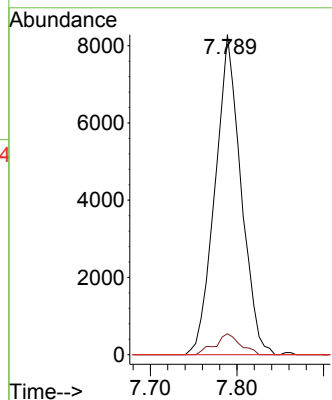
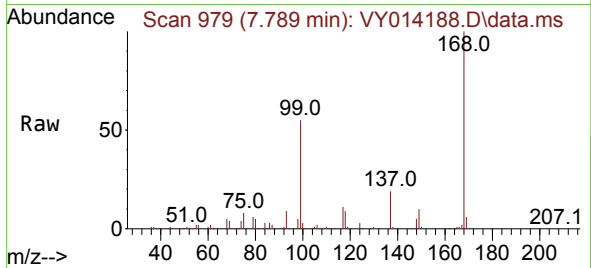




#38
Carbon Tetrachloride
Concen: 4.406 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

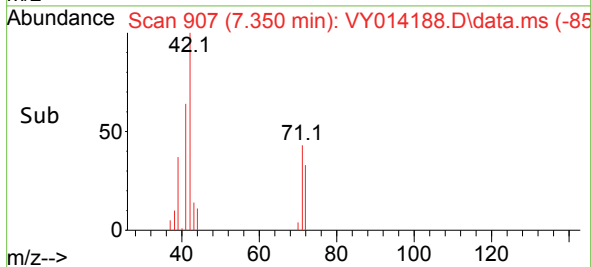
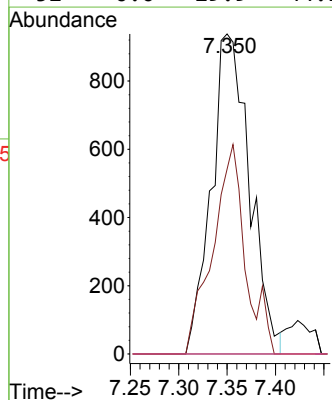
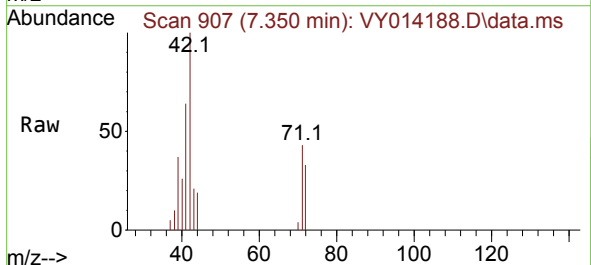
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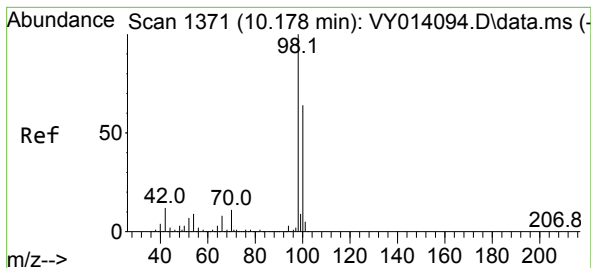
Tgt Ion:117 Resp: 17172
Ion Ratio Lower Upper
117 100
119 6.5 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 2.173 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.037 min
Lab File: VY014188.D
Acq: 15 Jun 2023 14:42

Tgt Ion: 41 Resp: 2584
Ion Ratio Lower Upper
41 100
39 55.8 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#





#50

Toluene-d8

Concen: 47.616 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY014188.D

Acq: 15 Jun 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

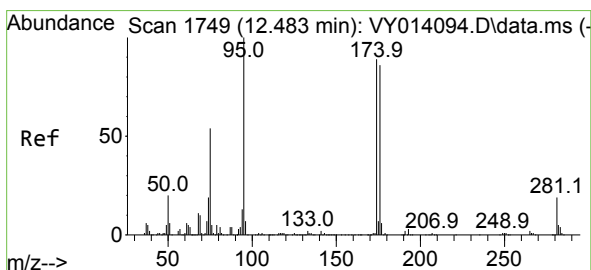
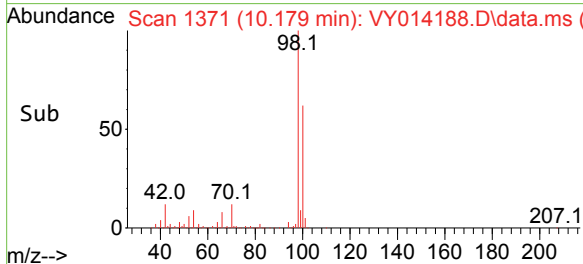
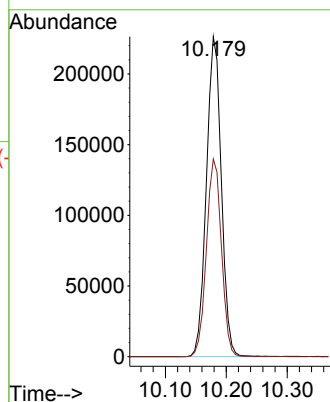
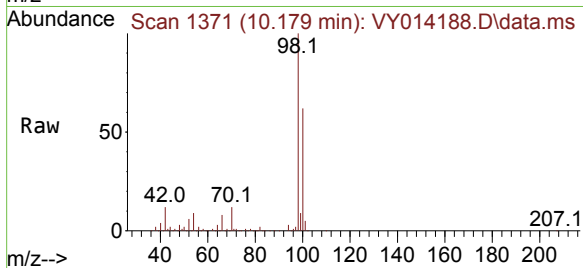
TOTAL-VOC-SB-06-GRAB-6

Tgt Ion: 98 Resp: 385642

Ion Ratio Lower Upper

98 100

100 62.3 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 46.502 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014188.D

Acq: 15 Jun 2023 14:42

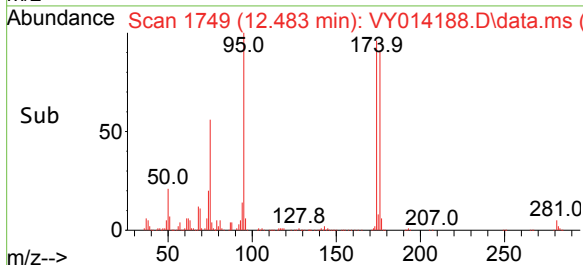
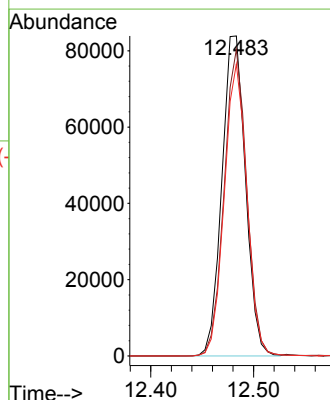
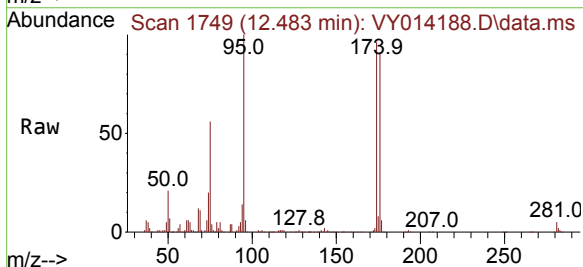
Tgt Ion: 95 Resp: 133787

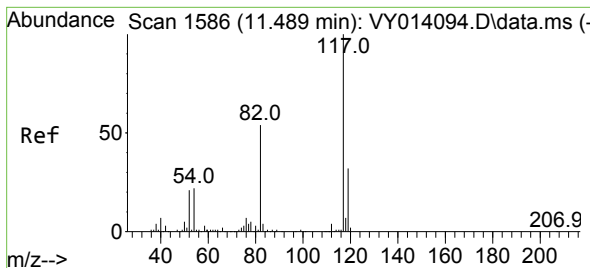
Ion Ratio Lower Upper

95 100

174 92.1 0.0 178.2

176 87.7 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: VY014188.D

Acq: 15 Jun 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-06-GRAB-6

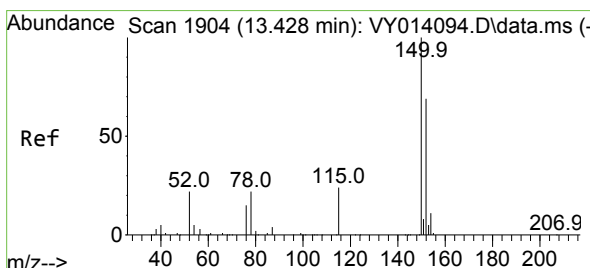
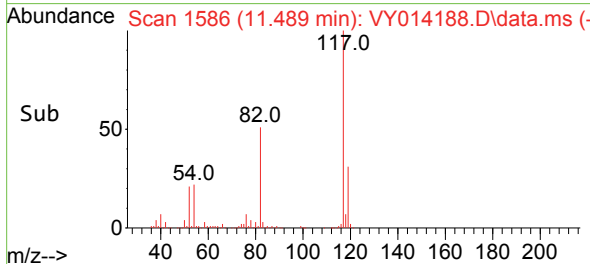
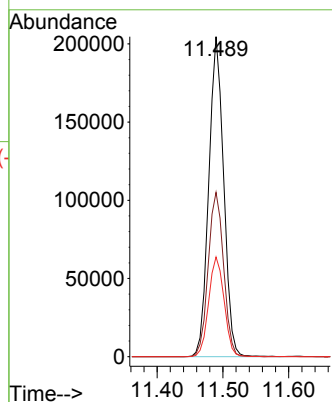
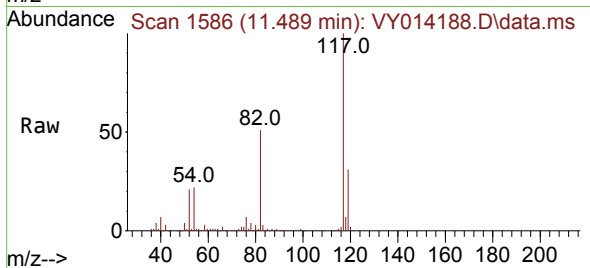
Tgt Ion:117 Resp: 322368

Ion Ratio Lower Upper

117 100

82 51.4 43.4 65.0

119 31.2 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: VY014188.D

Acq: 15 Jun 2023 14:42

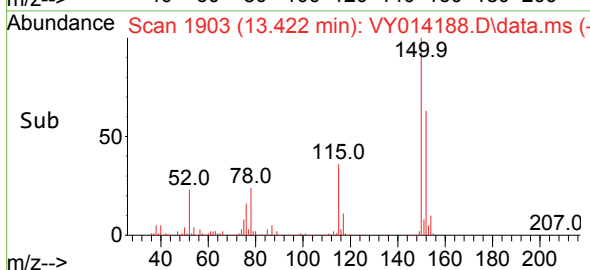
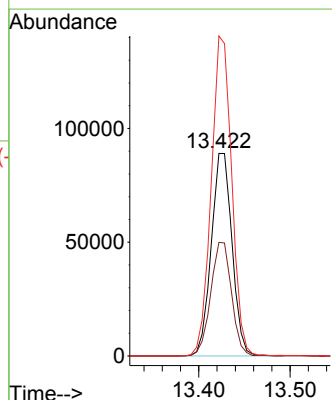
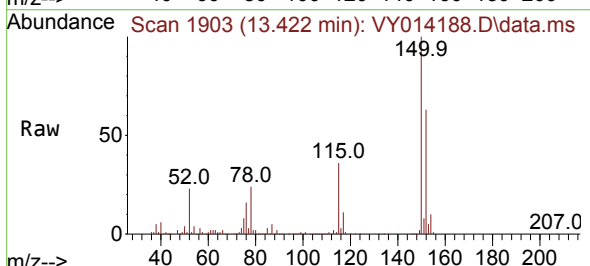
Tgt Ion:152 Resp: 140610

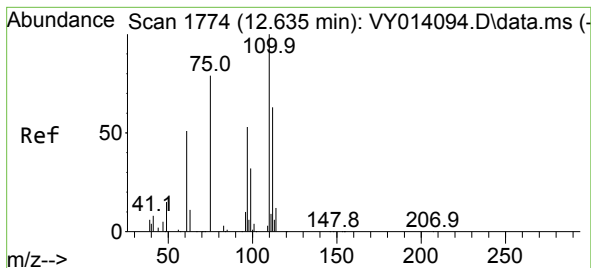
Ion Ratio Lower Upper

152 100

115 56.3 28.8 86.5

150 155.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 39.961 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014188.D

Acq: 15 Jun 2023 14:42

Instrument :

MSVOA_Y

ClientSampleId :

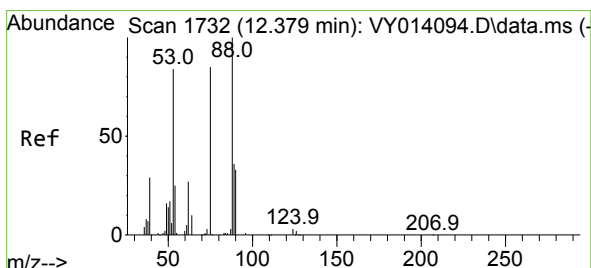
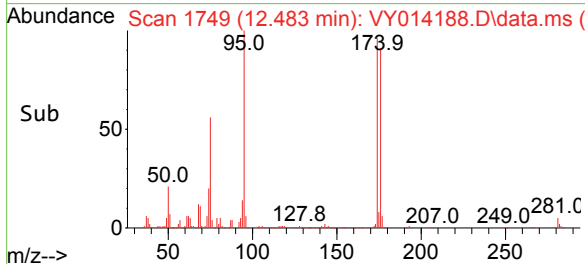
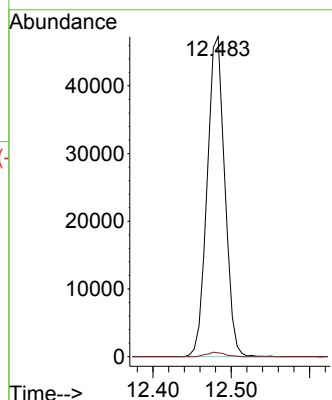
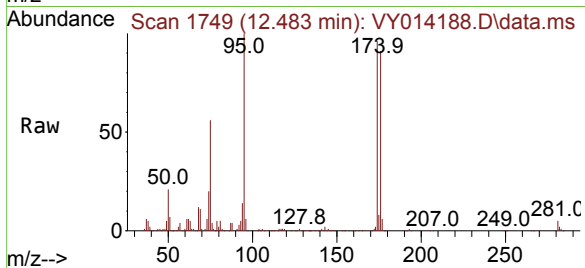
TOTAL-VOC-SB-06-GRAB-6

Tgt Ion: 75 Resp: 73718

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.379 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014188.D

Acq: 15 Jun 2023 14:42

Tgt Ion: 75 Resp: 73718

Ion Ratio Lower Upper

75 100

53 0.4 77.8 116.8#

89 0.0 37.4 56.0#

