

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014221.D
 Acq On : 16 Jun 2023 22:15
 Operator : KP/MD
 Sample : 03224-10RE
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-10-GRAB-6RE

Quant Time: Jun 16 23:28:35 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)

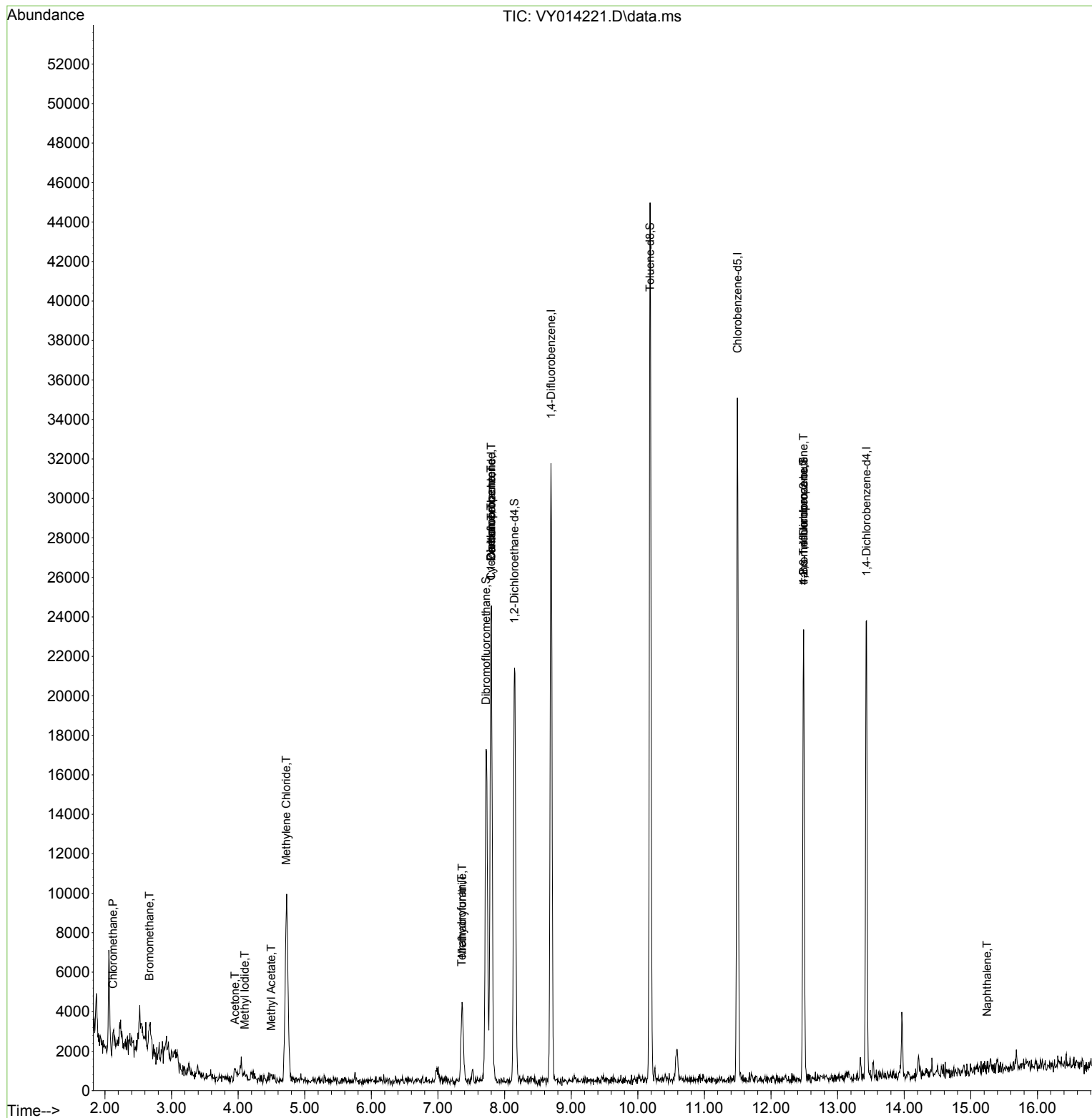
Internal Standards						
1) Pentafluorobenzene	7.801	168	19151	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	26375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	19377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	6560	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	19215	72.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 144.100%			
35) Dibromofluoromethane	7.722	113	11769	62.920	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 125.840%			
50) Toluene-d8	10.185	98	29303	41.904	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 83.800%			
62) 4-Bromofluorobenzene	12.489	95	6009	24.190	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 48.380%			
Target Compounds						Qvalue
3) Chloromethane	2.119	50	1228	4.538	ug/l	89
5) Bromomethane	2.668	94	609	2.805	ug/l #	57
10) Methyl Iodide	4.100	142	554	1.945	ug/l #	70
11) Tert butyl alcohol	4.966	59	108	Below Cal	#	89
16) Acetone	3.954	43	897	11.159	ug/l	99
18) Methyl Acetate	4.497	43	506	1.622	ug/l #	54
20) Methylene Chloride	4.722	84	6810	24.723	ug/l #	84
29) Tetrahydrofuran	7.356	42	2848	45.389	ug/l #	60
31) Cyclohexane	7.795	56	503	1.408	ug/l #	70
36) 1,1-Dichloropropene	7.795	75	1321	4.530	ug/l #	45
38) Carbon Tetrachloride	7.801	117	1784	5.301	ug/l #	12
41) Methacrylonitrile	7.362	41	1868	18.192	ug/l #	46
76) 1,2,3-Trichloropropane	12.489	75	3440	39.969	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	3440	86.399	ug/l #	10
95) Naphthalene	15.245	128	297	1.024	ug/l #	76

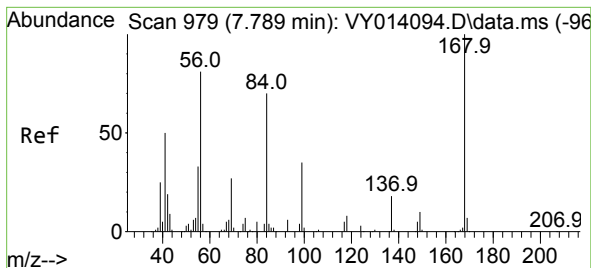
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.801 min Scan# 90

Delta R.T. 0.012 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

Instrument :

MSVOA_Y

ClientSampleId :

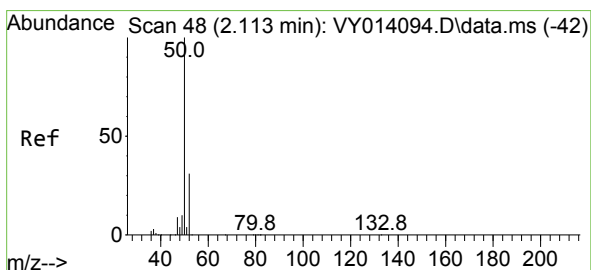
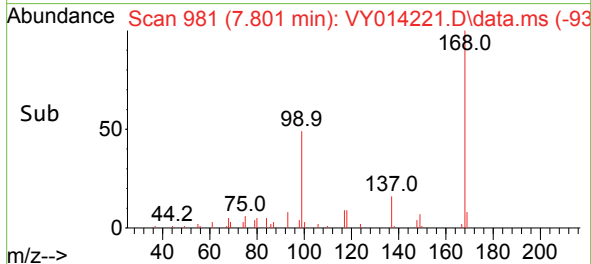
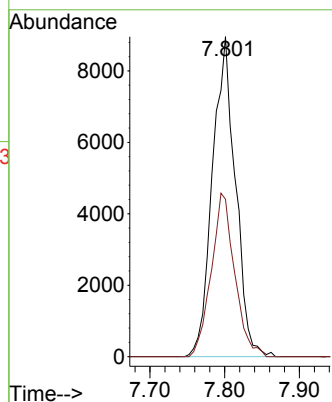
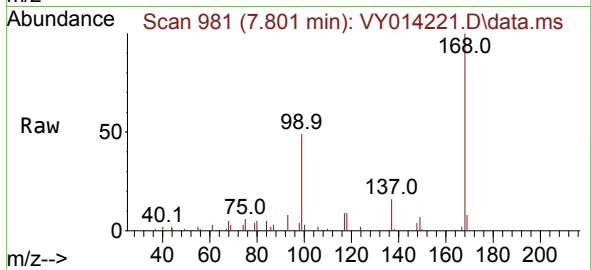
TOTAL-VOC-SB-10-GRAB-6RE

Tgt Ion:168 Resp: 19151

Ion Ratio Lower Upper

168 100

99 49.2 43.4 65.0



#3

Chloromethane

Concen: 4.538 ug/l

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY014221.D

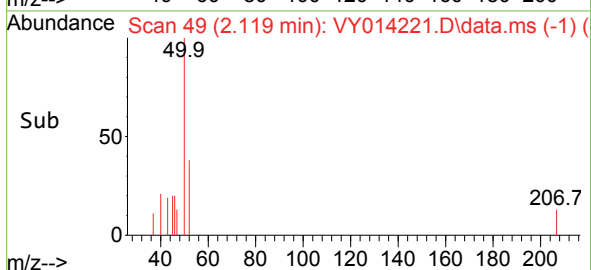
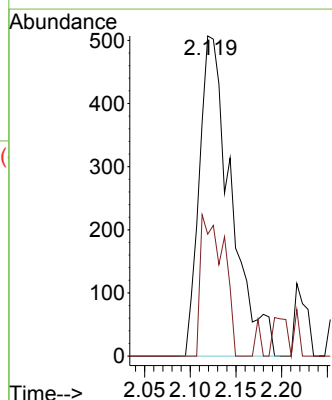
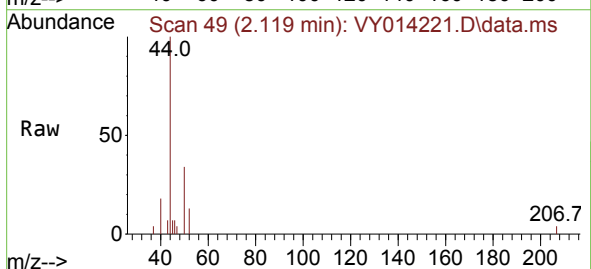
Acq: 16 Jun 2023 22:15

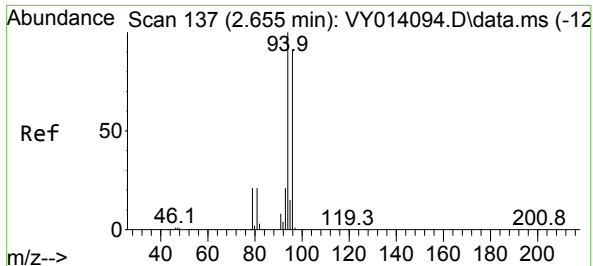
Tgt Ion: 50 Resp: 1228

Ion Ratio Lower Upper

50 100

52 38.1 25.4 38.2

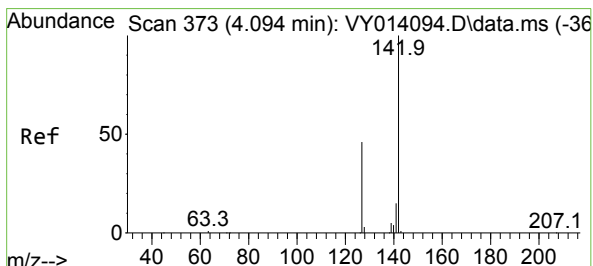
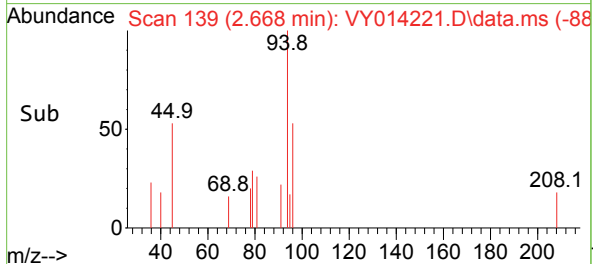
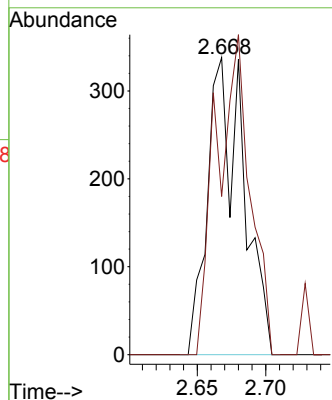
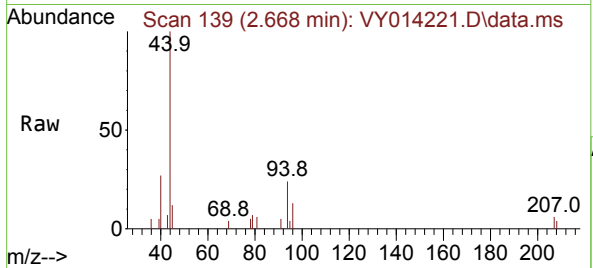




#5
Bromomethane
Concen: 2.805 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

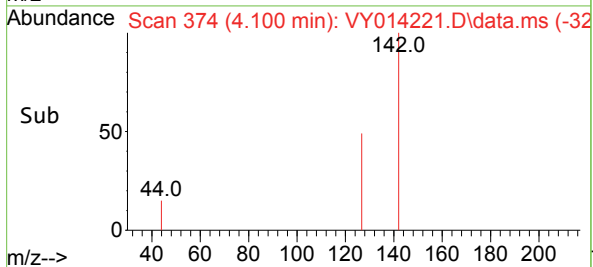
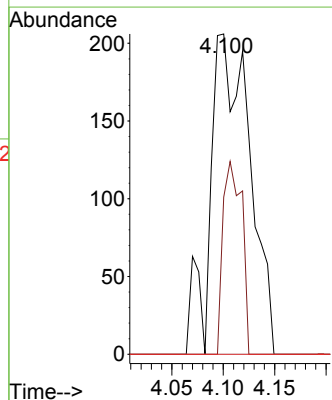
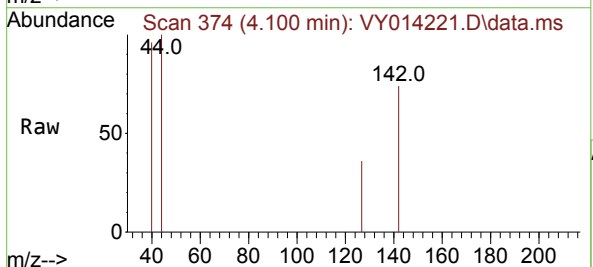
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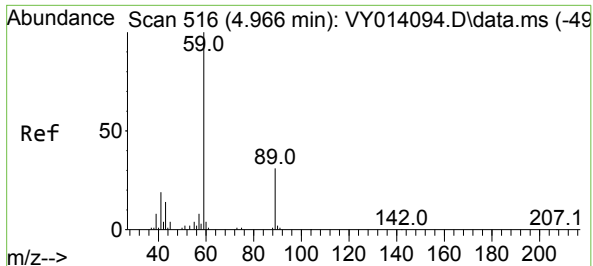
Tgt Ion: 94 Resp: 609
Ion Ratio Lower Upper
94 100
96 53.3 75.8 113.6#



#10
Methyl Iodide
Concen: 1.945 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

Tgt Ion:142 Resp: 554
Ion Ratio Lower Upper
142 100
127 28.5 37.6 56.4#
141 0.0 11.8 17.8#

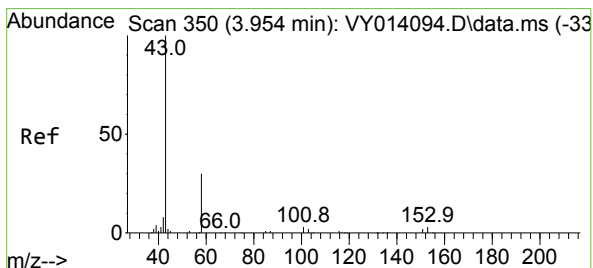
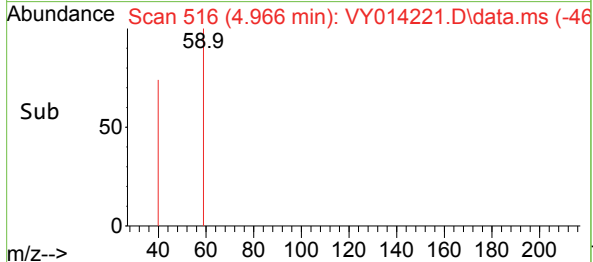
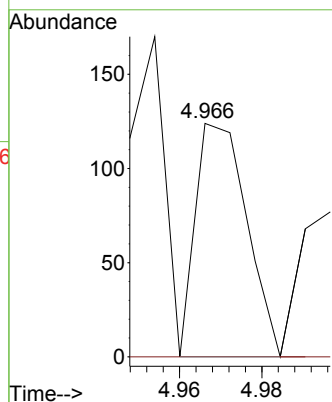
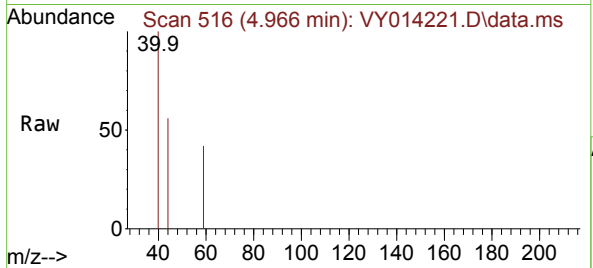




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.966 min Scan# 516
Delta R.T. 0.000 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

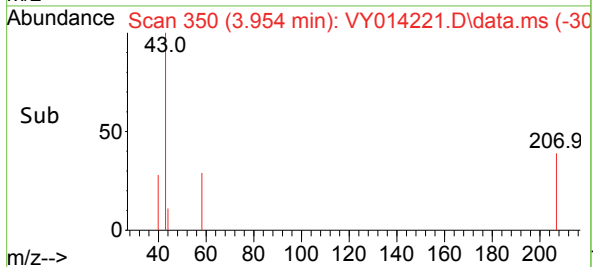
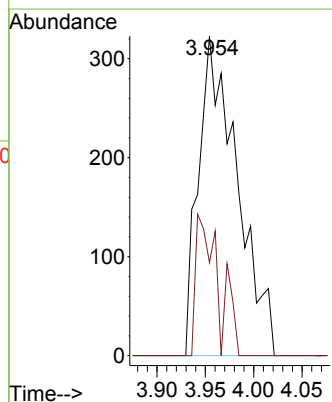
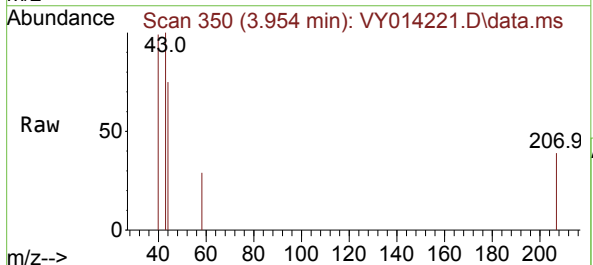
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-10-GRAB-6RE

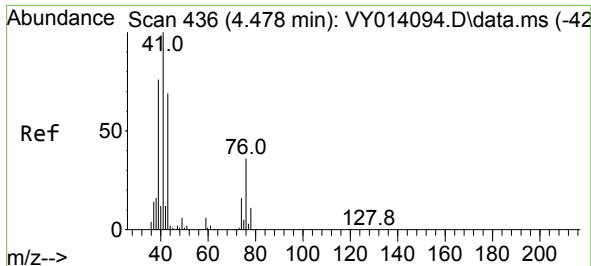
Tgt Ion: 59 Resp: 108
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 11.159 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.000 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

Tgt Ion: 43 Resp: 897
Ion Ratio Lower Upper
43 100
58 29.1 22.7 34.1





#18

Methyl Acetate

Concen: 1.622 ug/l

RT: 4.497 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY014221.D

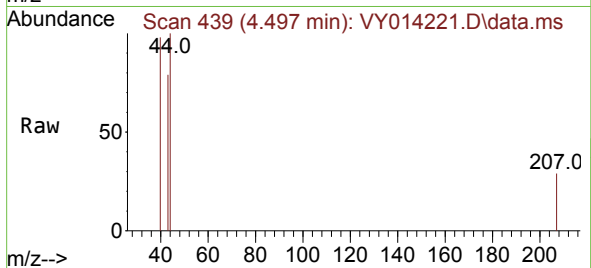
Acq: 16 Jun 2023 22:15

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-10-GRAB-6RE

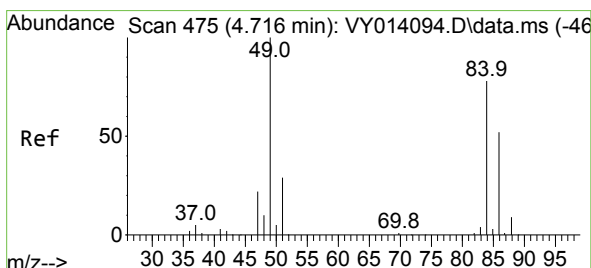
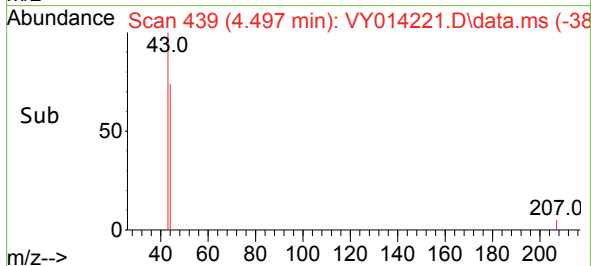
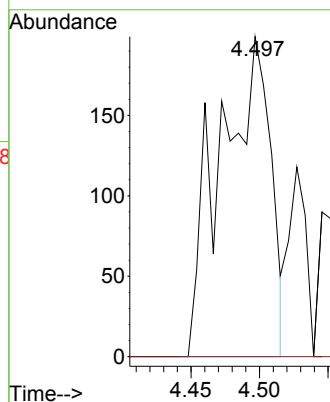


Tgt Ion: 43 Resp: 506

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.0#



#20

Methylene Chloride

Concen: 24.723 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

Tgt Ion: 84 Resp: 6810

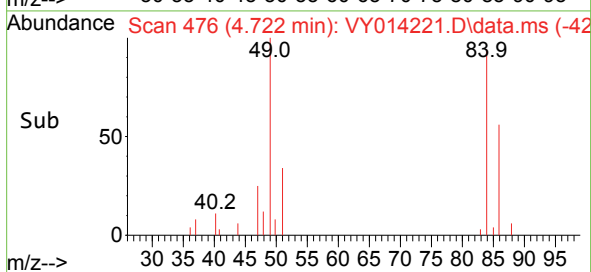
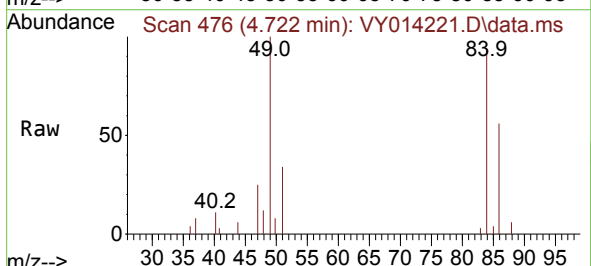
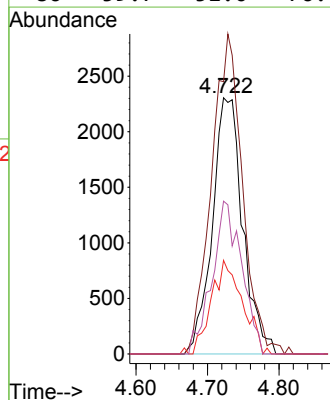
Ion Ratio Lower Upper

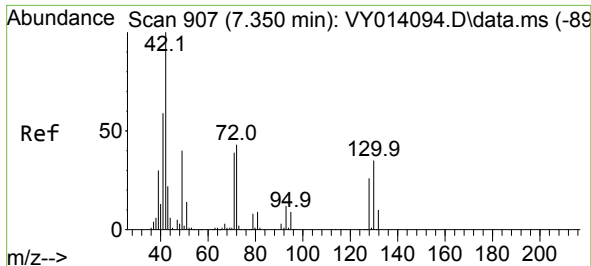
84 100

49 106.3 106.9 160.3#

51 36.6 33.2 49.8

86 59.7 51.0 76.6





#29

Tetrahydrofuran

Concen: 45.389 ug/l

RT: 7.356 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-10-GRAB-6RE

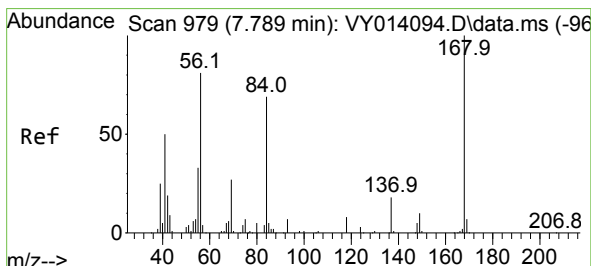
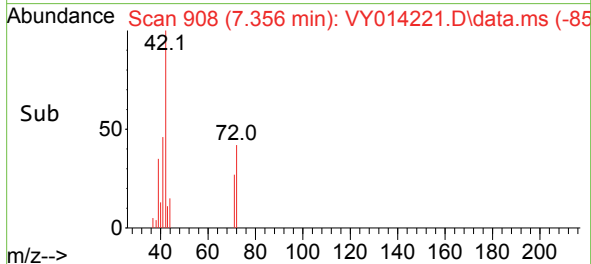
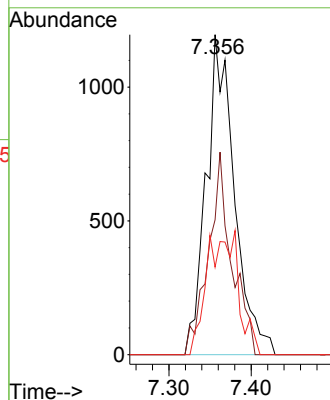
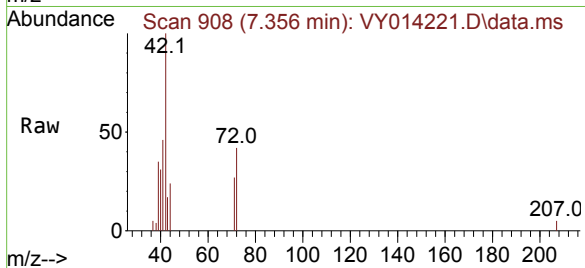
Tgt Ion: 42 Resp: 2848

Ion Ratio Lower Upper

42 100

72 52.4 32.8 49.2#

71 0.0 31.0 46.4#



#31

Cyclohexane

Concen: 1.408 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

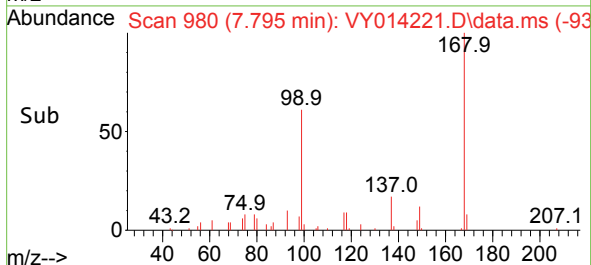
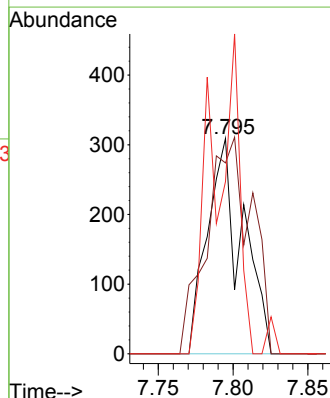
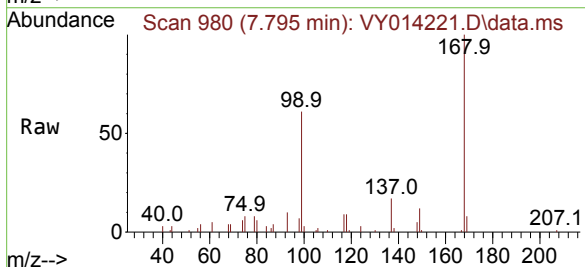
Tgt Ion: 56 Resp: 503

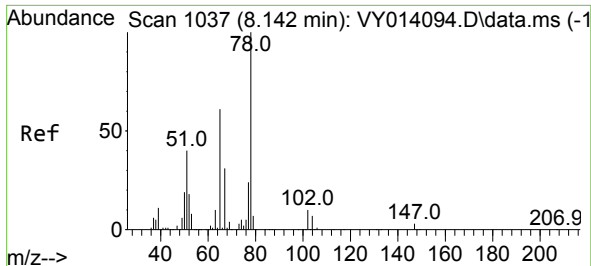
Ion Ratio Lower Upper

56 100

69 88.7 27.8 41.6#

84 79.9 66.4 99.6

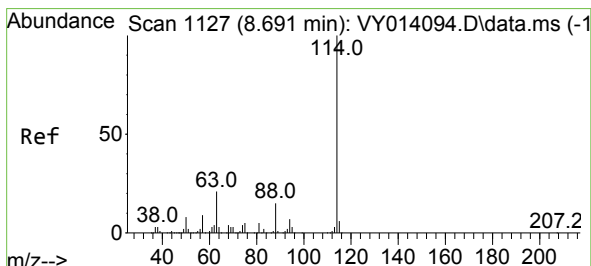
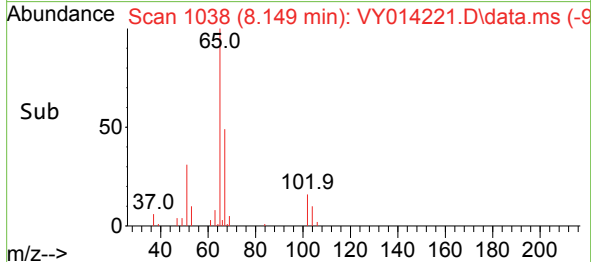
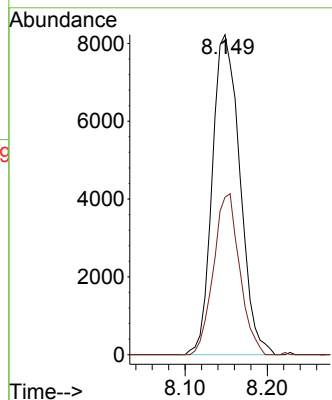
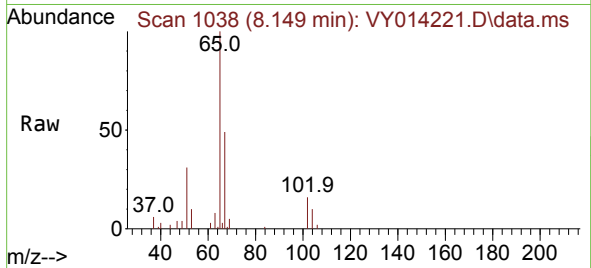




#33
1,2-Dichloroethane-d4
Concen: 72.052 ug/l
RT: 8.149 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

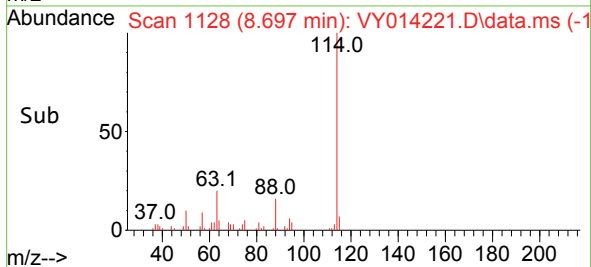
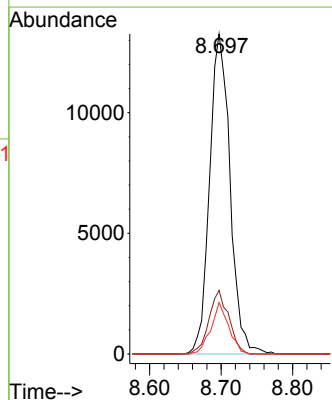
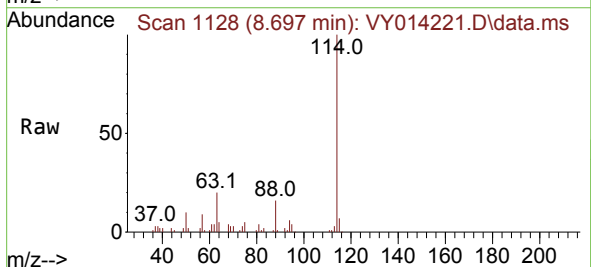
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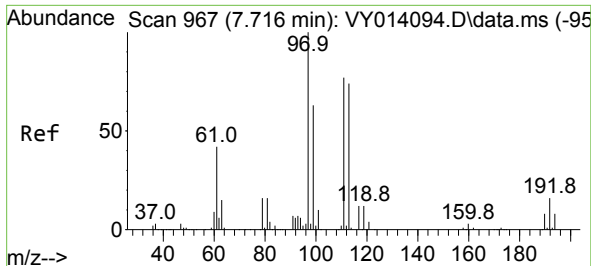
Tgt Ion: 65 Resp: 19215
Ion Ratio Lower Upper
65 100
67 47.6 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

Tgt Ion:114 Resp: 26375
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.4
88 16.0 0.0 30.6

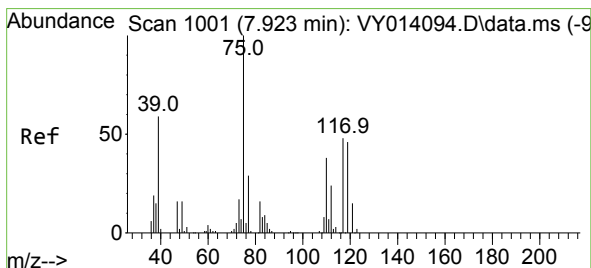
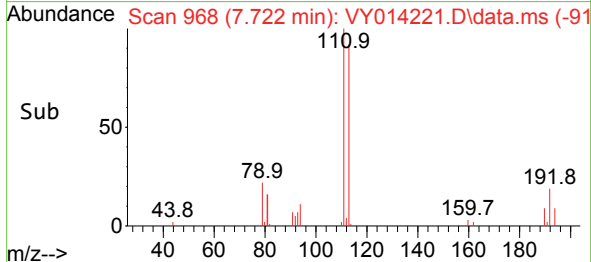
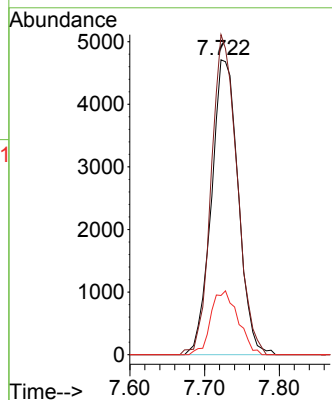
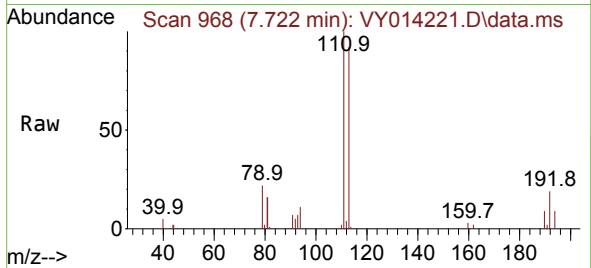




#35
Dibromofluoromethane
Concen: 62.920 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

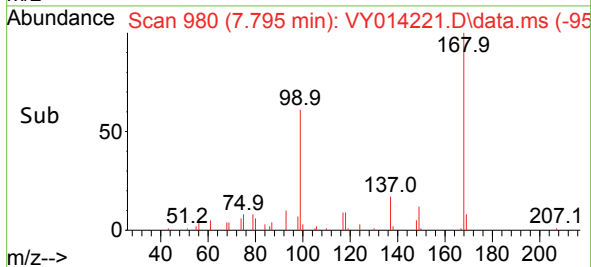
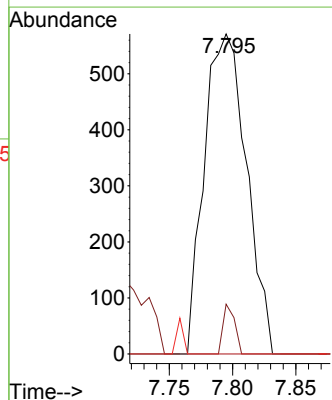
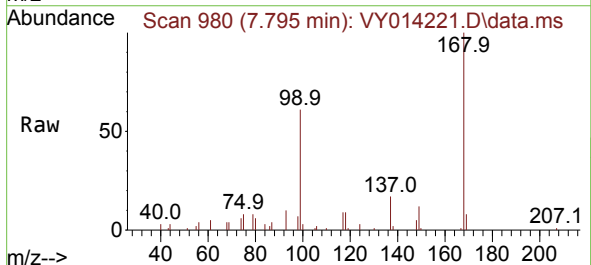
Instrument :
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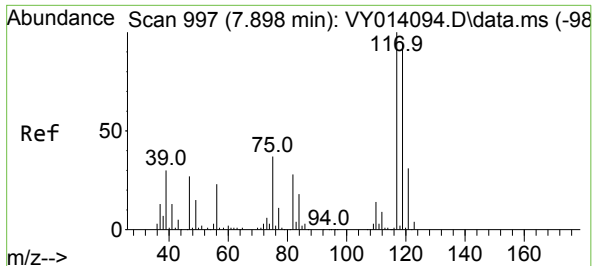
Tgt Ion:113 Resp: 11769
Ion Ratio Lower Upper
113 100
111 104.3 81.3 121.9
192 22.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.530 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

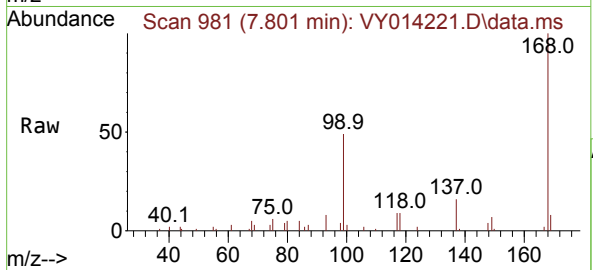
Tgt Ion: 75 Resp: 1321
Ion Ratio Lower Upper
75 100
110 4.2 17.8 53.5#
77 0.0 24.4 36.6#



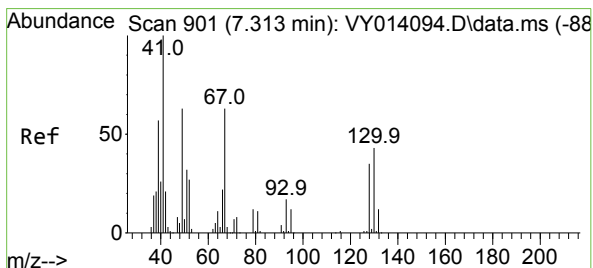
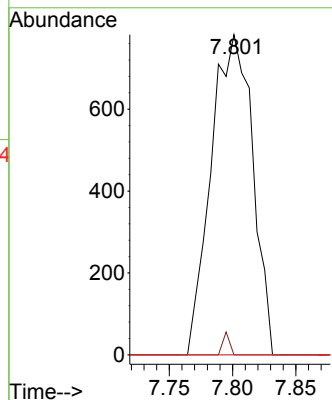
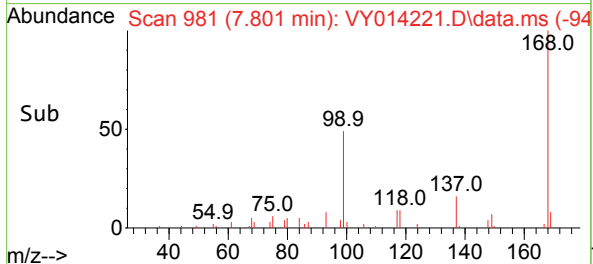


#38
Carbon Tetrachloride
Concen: 5.301 ug/l
RT: 7.801 min Scan# 909
Delta R.T. -0.097 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-6RE

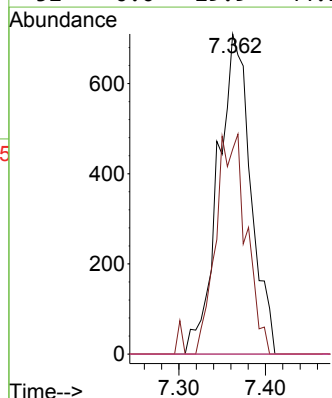
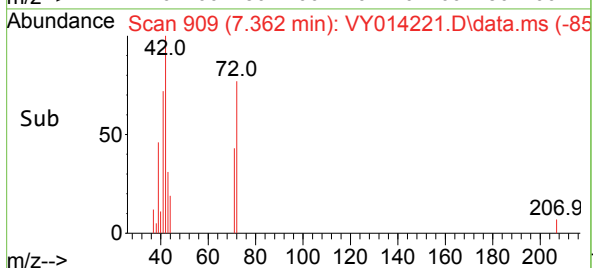
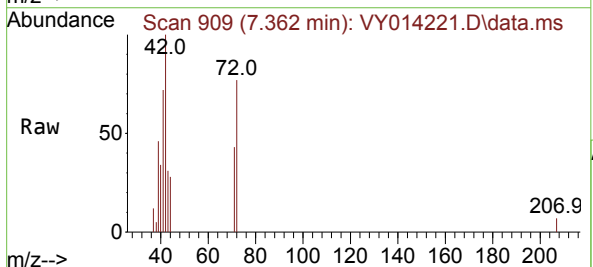


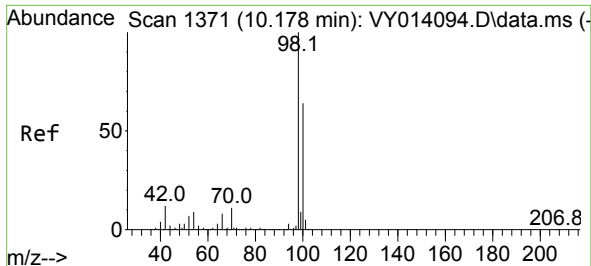
Tgt Ion:117 Resp: 1784
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 18.192 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.049 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

Tgt Ion: 41 Resp: 1868
Ion Ratio Lower Upper
41 100
39 63.9 52.1 78.1
67 0.0 66.2 99.2#
52 0.0 29.9 44.9#

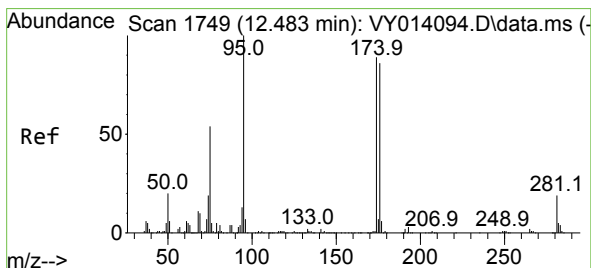
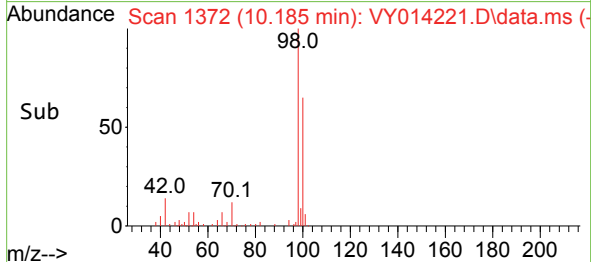
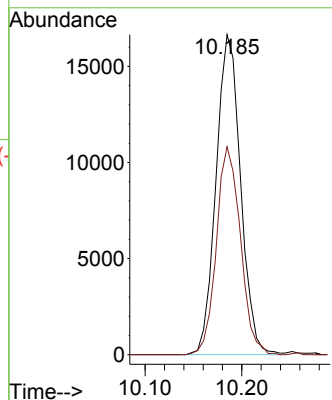
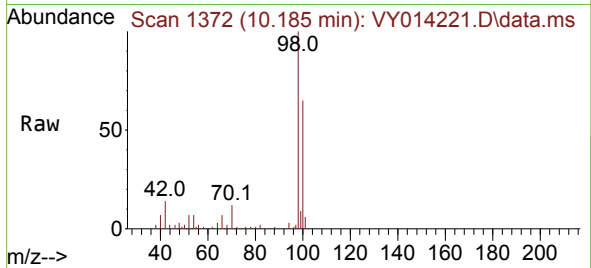




#50
Toluene-d8
Concen: 41.904 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

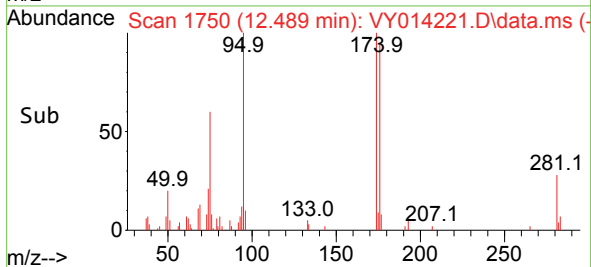
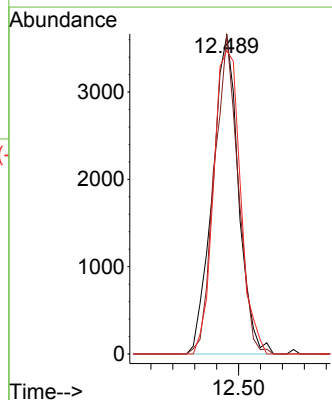
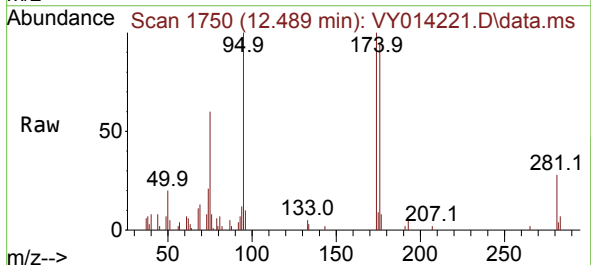
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-6RE

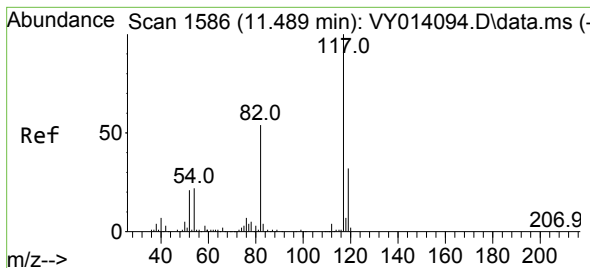
Tgt Ion: 98 Resp: 29303
Ion Ratio Lower Upper
98 100
100 63.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 24.190 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY014221.D
Acq: 16 Jun 2023 22:15

Tgt Ion: 95 Resp: 6009
Ion Ratio Lower Upper
95 100
174 91.6 0.0 178.2
176 98.2 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.495 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-10-GRAB-6RE

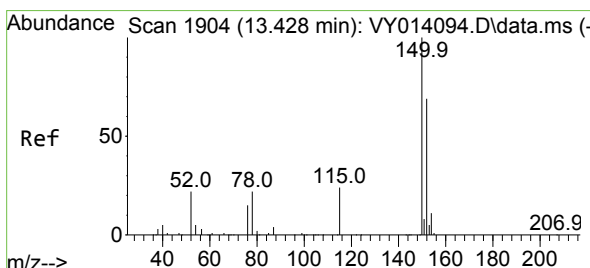
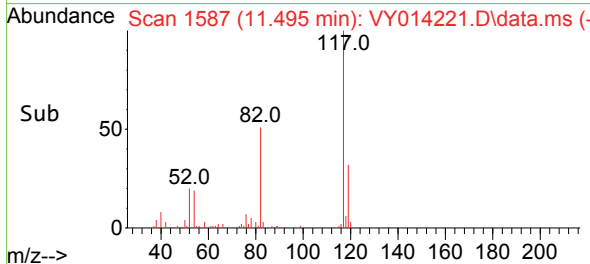
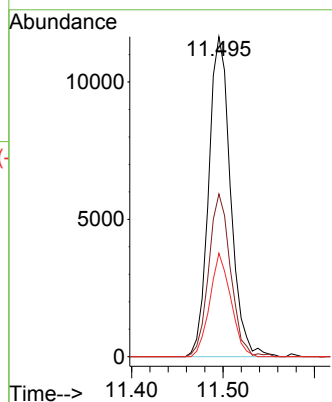
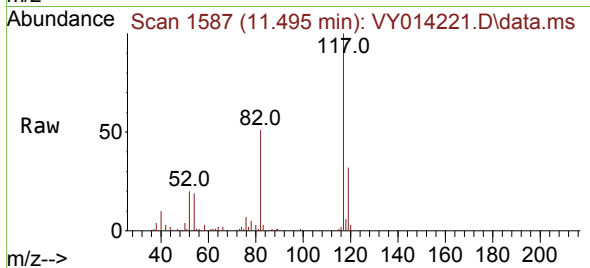
Tgt Ion:117 Resp: 19377

Ion Ratio Lower Upper

117 100

82 50.8 43.4 65.0

119 32.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

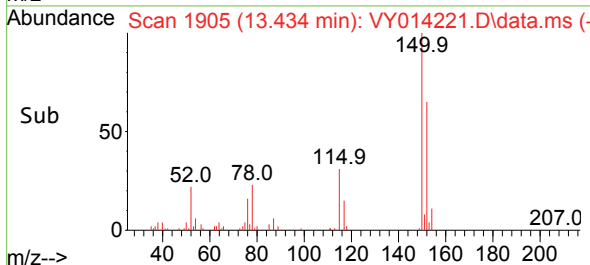
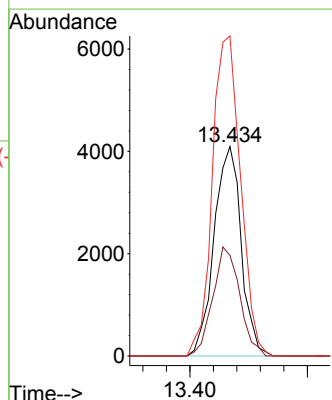
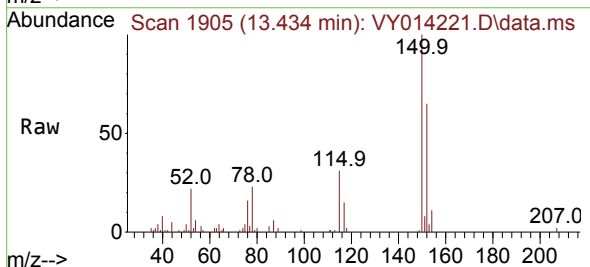
Tgt Ion:152 Resp: 6560

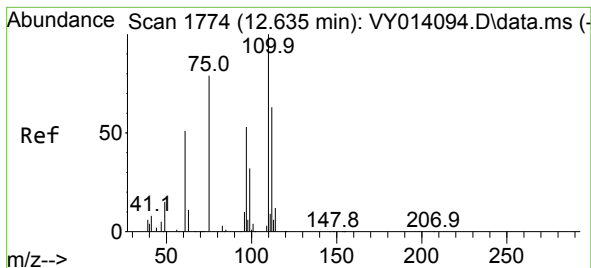
Ion Ratio Lower Upper

152 100

115 51.6 28.8 86.5

150 158.6 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 39.969 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

Instrument :

MSVOA_Y

ClientSampleId :

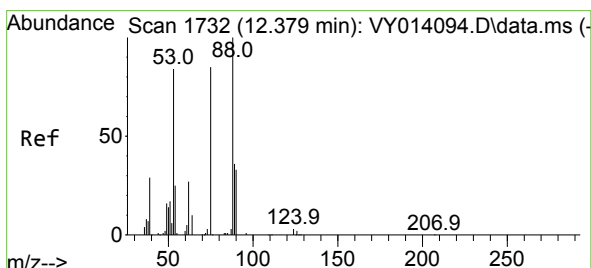
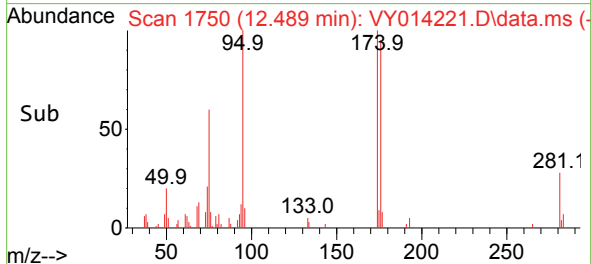
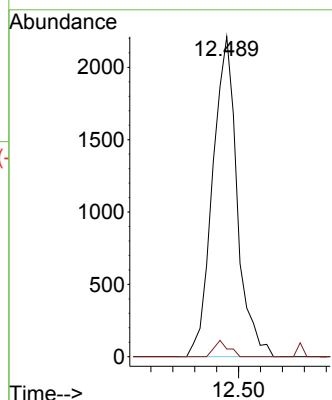
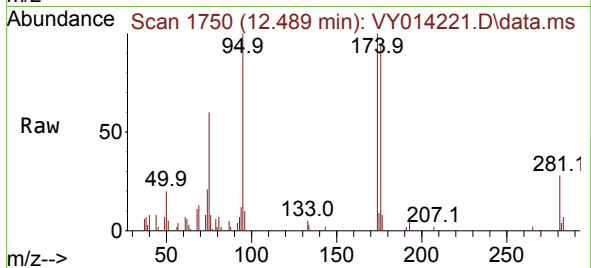
TOTAL-VOC-SB-10-GRAB-6RE

Tgt Ion: 75 Resp: 3440

Ion Ratio Lower Upper

75 100

77 2.9 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 86.399 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.110 min

Lab File: VY014221.D

Acq: 16 Jun 2023 22:15

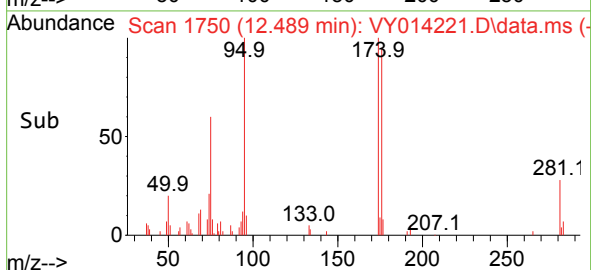
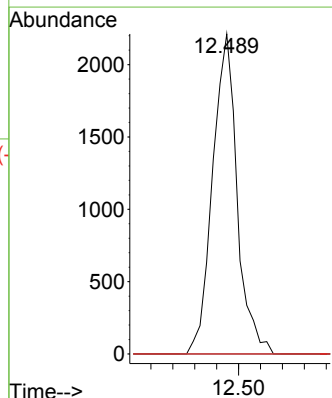
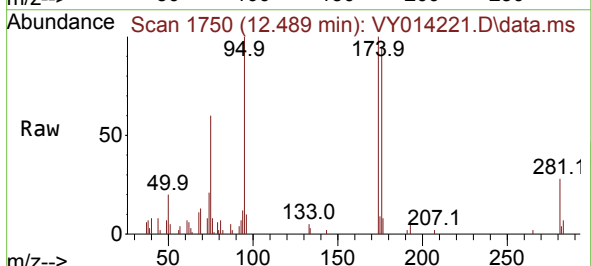
Tgt Ion: 75 Resp: 3440

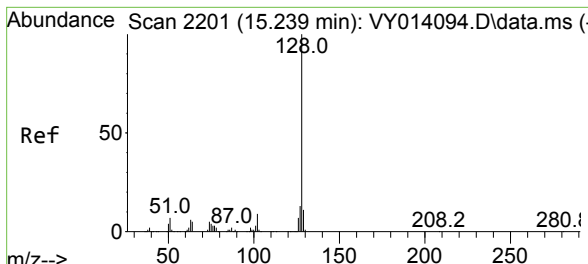
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

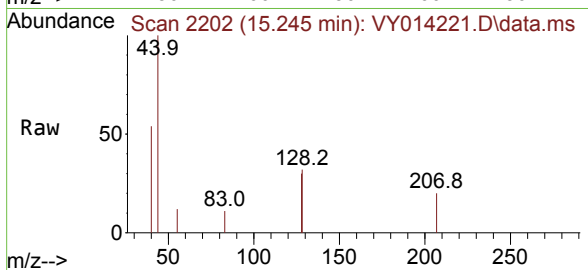
89 0.0 37.4 56.0#





#95
 Naphthalene
 Concen: 1.024 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY014221.D
 Acq: 16 Jun 2023 22:15

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-10-GRAB-6RE



Tgt Ion:	128	Resp:	297
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.8	16.2#
129	6.4	8.6	13.0#

