

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014220.D
 Acq On : 16 Jun 2023 21:52
 Operator : KP/MD
 Sample : 03224-11RE
 Misc : 10.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-10-GRAB-7RE

Quant Time: Jun 16 23:28:05 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)

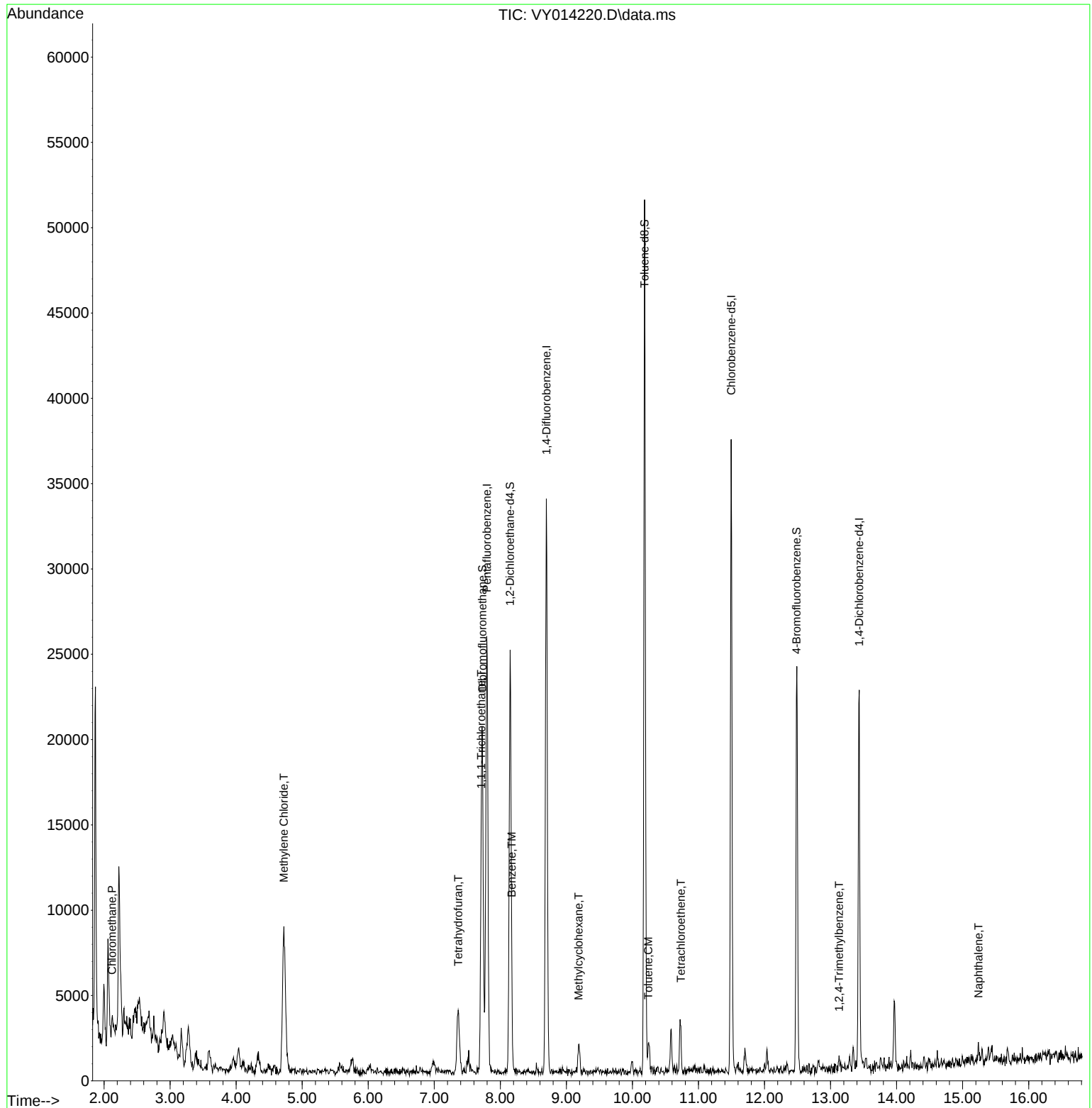
Internal Standards						
1) Pentafluorobenzene	7.795	168	19827	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	27460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	19282	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	5971	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	19454	70.461	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.920%	
35) Dibromofluoromethane	7.728	113	12703	65.230	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 130.460%	
50) Toluene-d8	10.185	98	31325	43.026	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 86.060%	
62) 4-Bromofluorobenzene	12.483	95	5920	22.890	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 45.780%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	1297	4.629	ug/l #	64
20) Methylene Chloride	4.722	84	6319	21.758	ug/l	96
29) Tetrahydrofuran	7.362	42	2974	45.781	ug/l	94
32) 1,1,1-Trichloroethane	7.710	97	2127	4.907	ug/l	100
39) Methylcyclohexane	9.185	83	743	2.206	ug/l #	85
40) Benzene	8.173	78	1088	1.205	ug/l #	84
52) Toluene	10.240	92	833	1.488	ug/l	99
64) Tetrachloroethene	10.734	164	721	4.387	ug/l #	88
84) 1,2,4-Trimethylbenzene	13.130	105	653	1.691	ug/l	95
95) Naphthalene	15.239	128	942	3.568	ug/l #	88

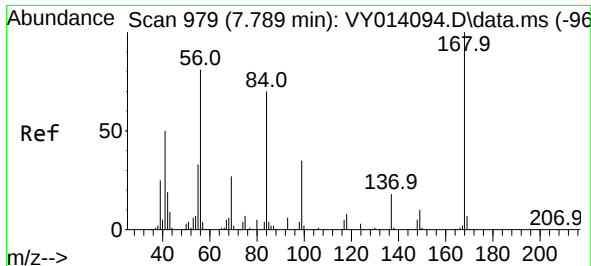
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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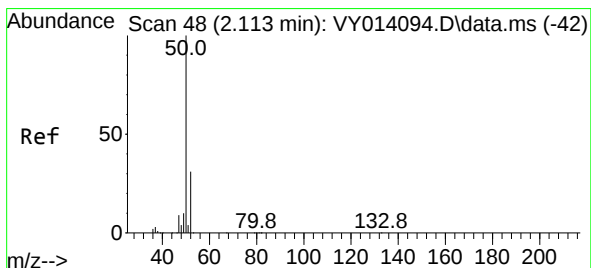
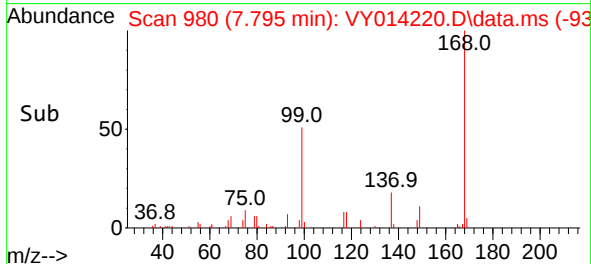
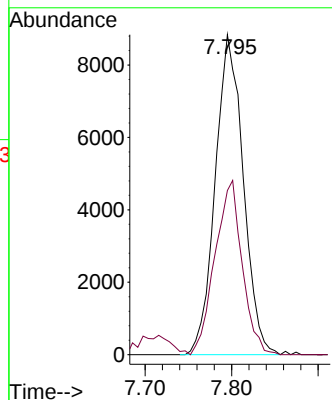
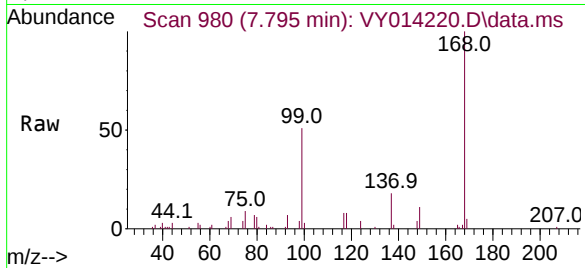




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

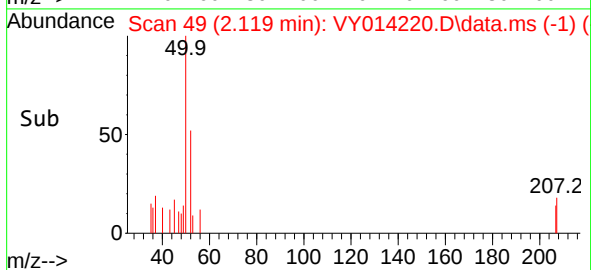
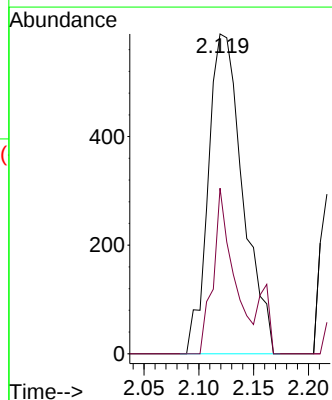
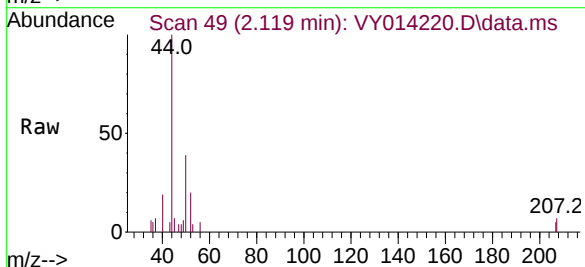
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-7RE

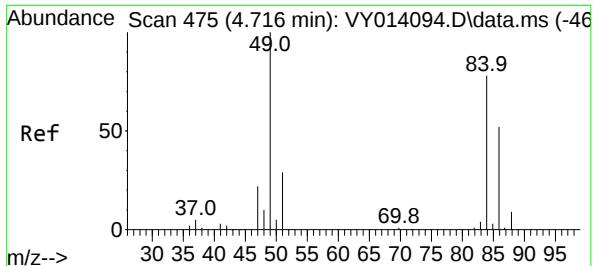
Tgt Ion:168 Resp: 19827
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#3
Chloromethane
Concen: 4.629 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

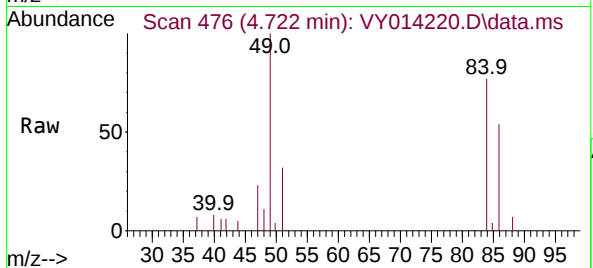
Tgt Ion: 50 Resp: 1297
Ion Ratio Lower Upper
50 100
52 51.8 25.4 38.2#



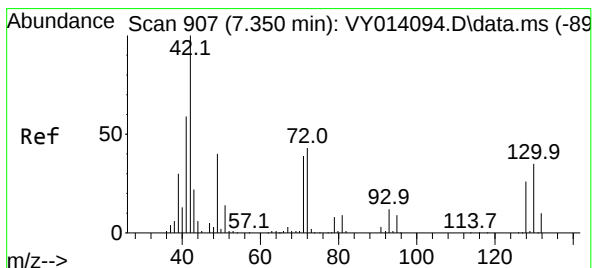
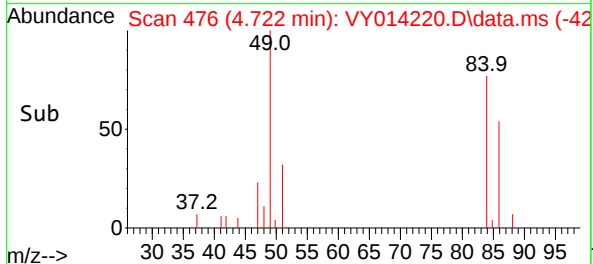
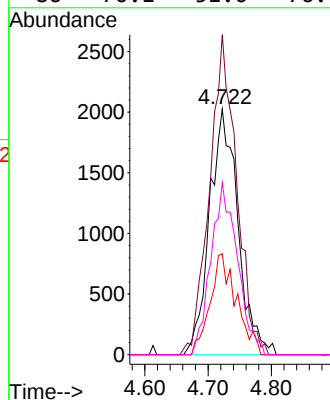


#20
Methylene Chloride
Concen: 21.758 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-7RE

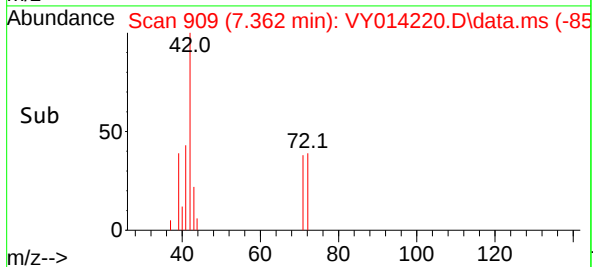
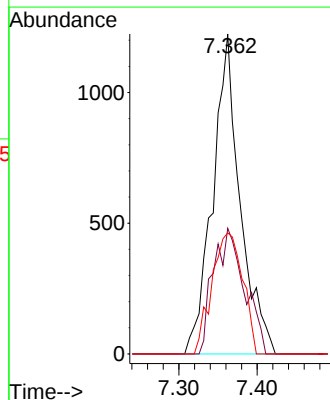
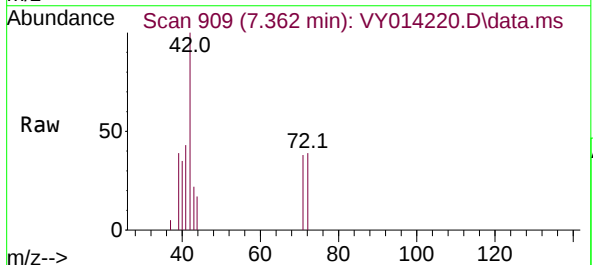


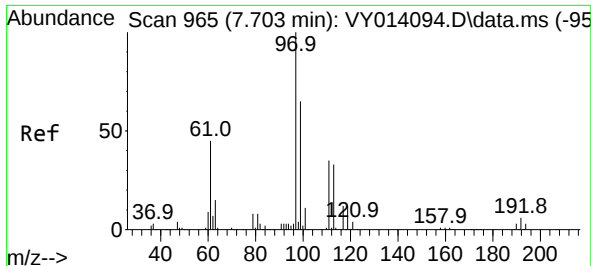
Tgt Ion:	84	Resp:	6319
Ion	Ratio	Lower	Upper
84	100		
49	130.3	106.9	160.3
51	41.1	33.2	49.8
86	70.1	51.0	76.6



#29
Tetrahydrofuran
Concen: 45.781 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.012 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

Tgt Ion:	42	Resp:	2974
Ion	Ratio	Lower	Upper
42	100		
72	44.6	32.8	49.2
71	42.6	31.0	46.4

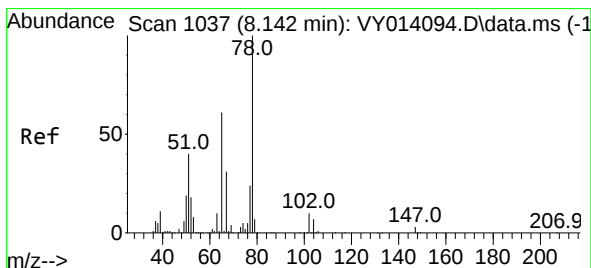
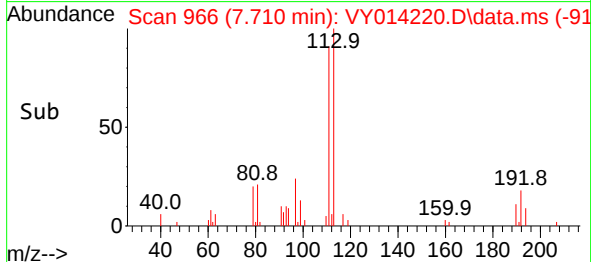
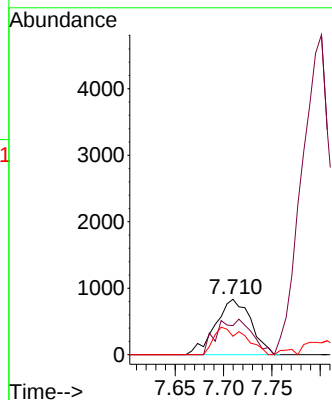
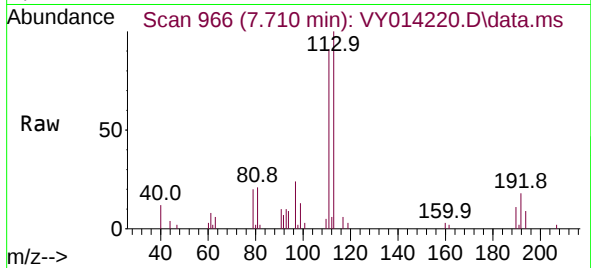




#32
1,1,1-Trichloroethane
Concen: 4.907 ug/l
RT: 7.710 min Scan# 90
Delta R.T. 0.007 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

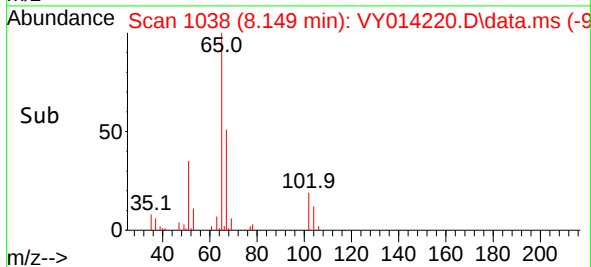
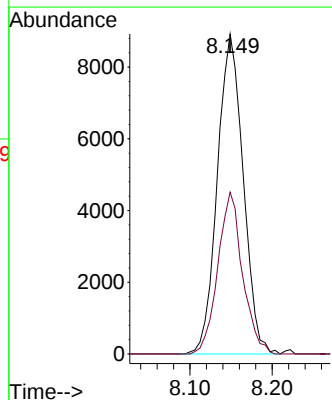
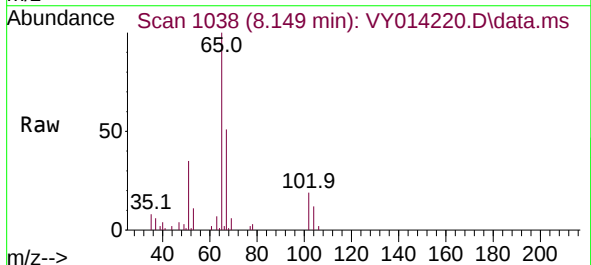
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-7RE

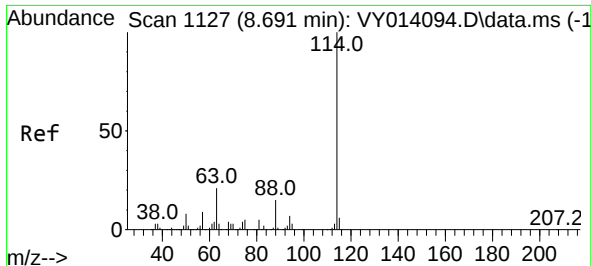
Tgt Ion: 97 Resp: 2127
Ion Ratio Lower Upper
97 100
99 63.4 50.8 76.2
61 44.0 35.1 52.7



#33
1,2-Dichloroethane-d4
Concen: 70.461 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

Tgt Ion: 65 Resp: 19454
Ion Ratio Lower Upper
65 100
67 48.3 0.0 101.8

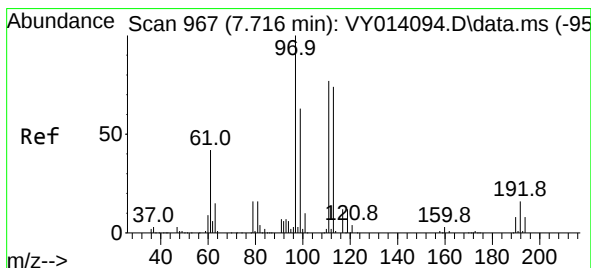
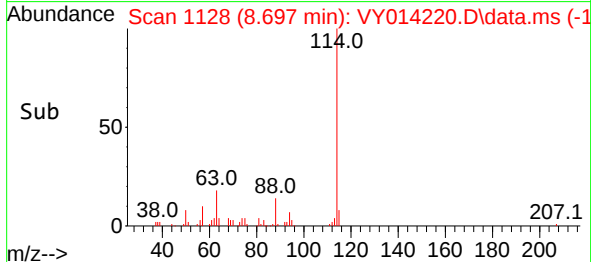
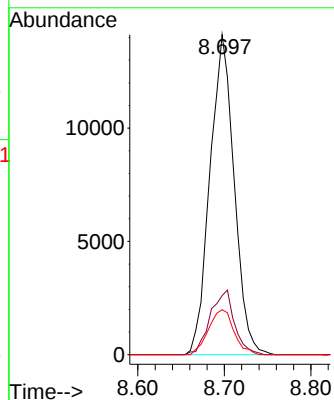
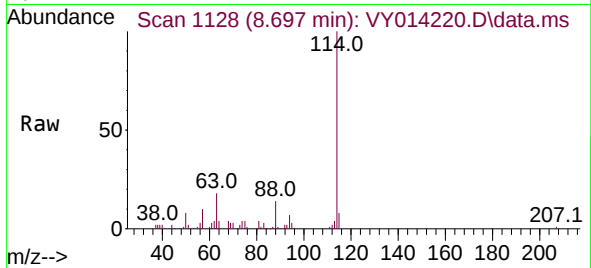




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

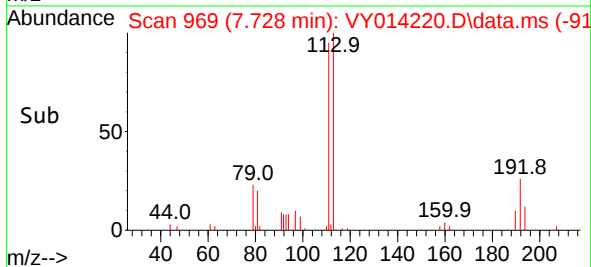
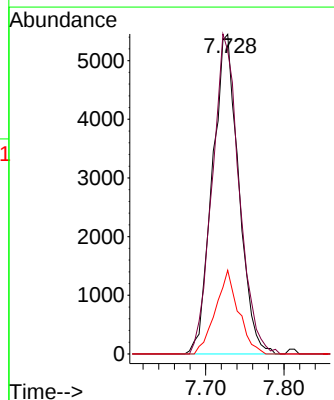
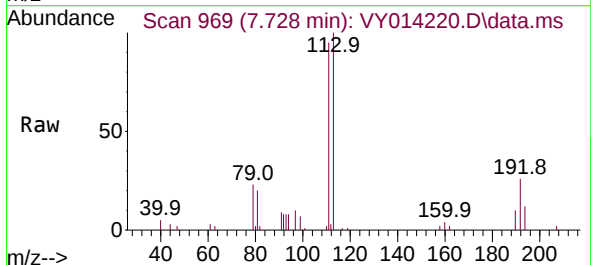
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-10-GRAB-7RE

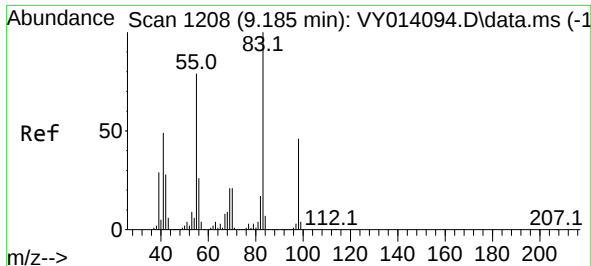
Tgt Ion:	114	Resp:	27460
Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	42.4
88	14.1	0.0	30.6



#35
Dibromofluoromethane
Concen: 65.230 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.012 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

Tgt Ion:	113	Resp:	12703
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.3	121.9
192	23.0	16.9	25.3





#39

Methylcyclohexane

Concen: 2.206 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014220.D

Acq: 16 Jun 2023 21:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-10-GRAB-7RE

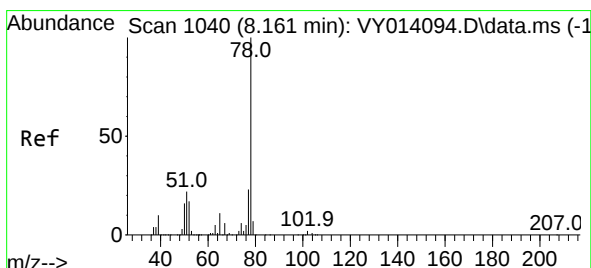
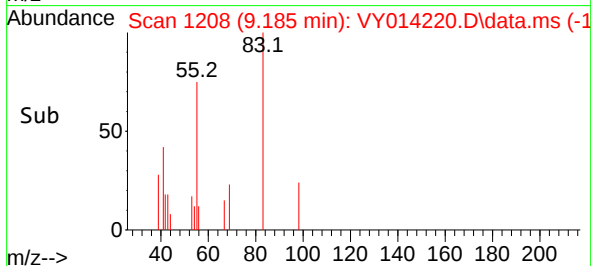
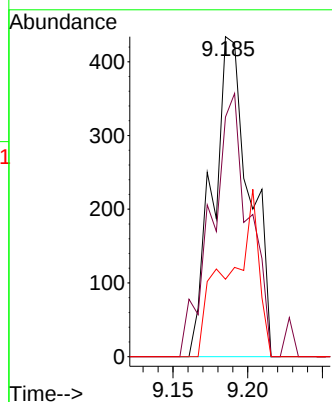
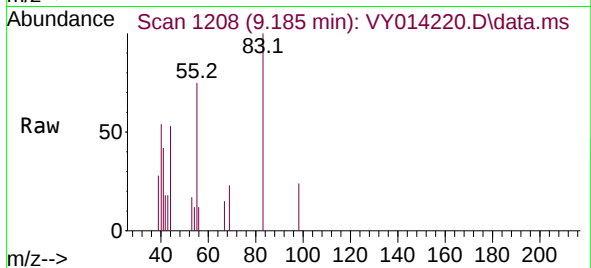
Tgt Ion: 83 Resp: 743

Ion Ratio Lower Upper

83 100

55 74.9 63.0 94.4

98 24.2 37.4 56.2#



#40

Benzene

Concen: 1.205 ug/l

RT: 8.173 min Scan# 1042

Delta R.T. 0.012 min

Lab File: VY014220.D

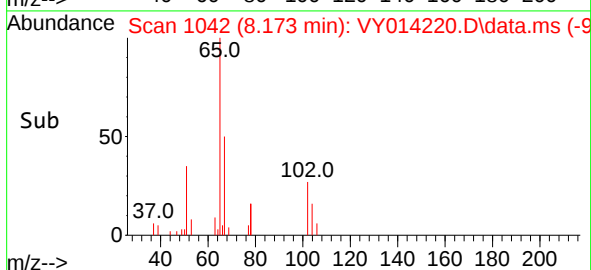
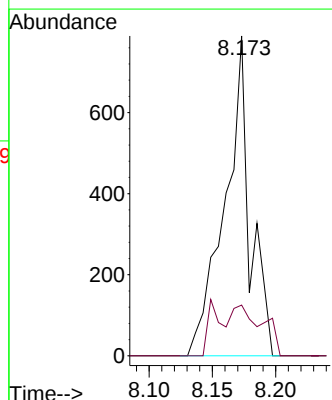
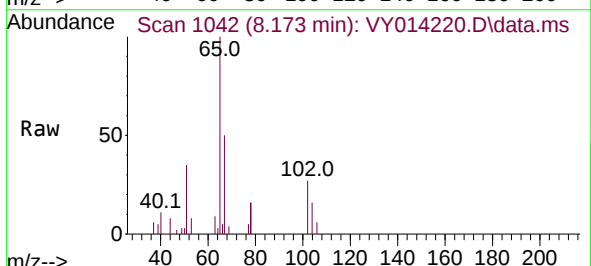
Acq: 16 Jun 2023 21:52

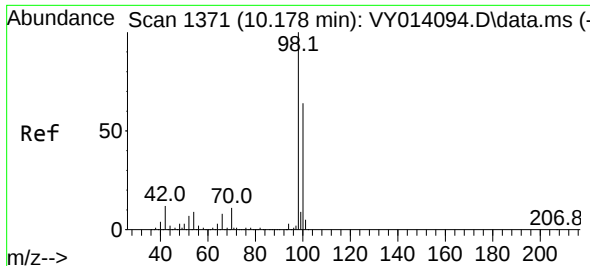
Tgt Ion: 78 Resp: 1088

Ion Ratio Lower Upper

78 100

77 15.8 19.0 28.6#

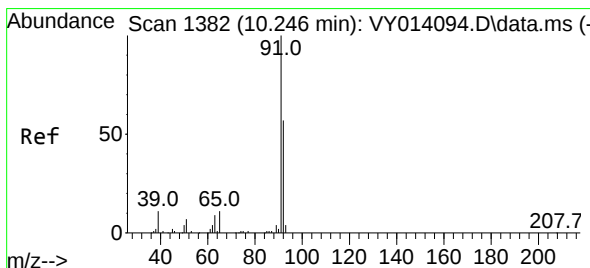
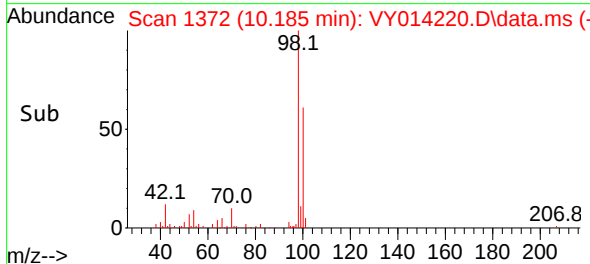
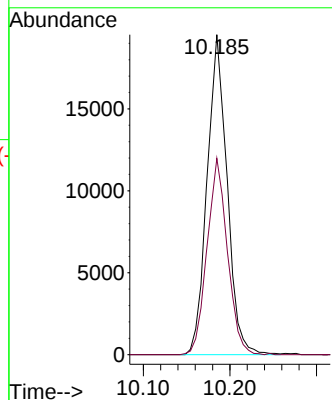
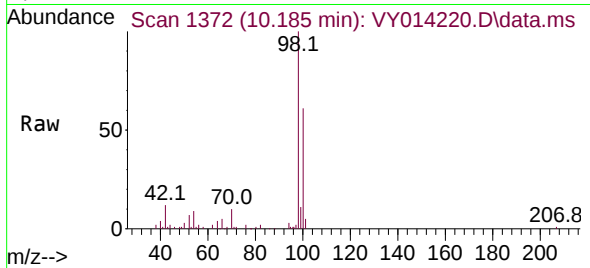




#50
Toluene-d8
Concen: 43.026 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

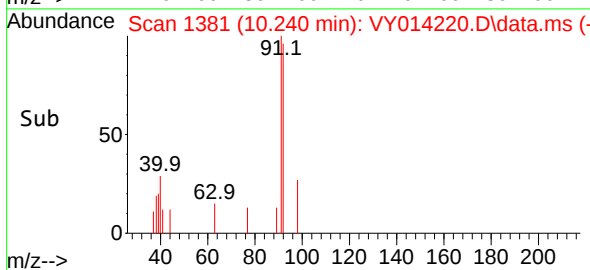
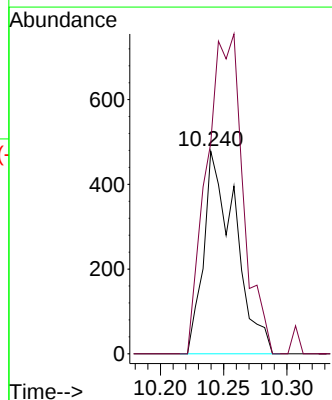
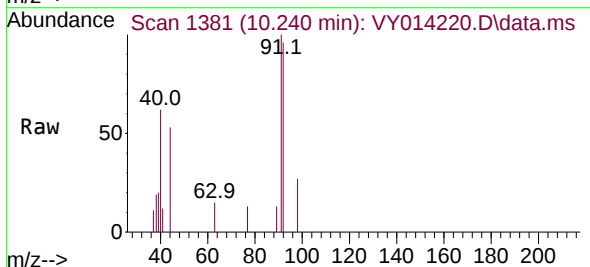
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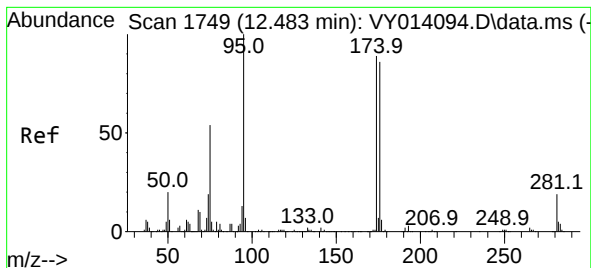
Tgt Ion: 98 Resp: 31325
Ion Ratio Lower Upper
98 100
100 62.4 50.1 75.1



#52
Toluene
Concen: 1.488 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.006 min
Lab File: VY014220.D
Acq: 16 Jun 2023 21:52

Tgt Ion: 92 Resp: 833
Ion Ratio Lower Upper
92 100
91 180.6 143.8 215.6





#62

4-Bromofluorobenzene

Concen: 22.890 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014220.D

Acq: 16 Jun 2023 21:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-10-GRAB-7RE

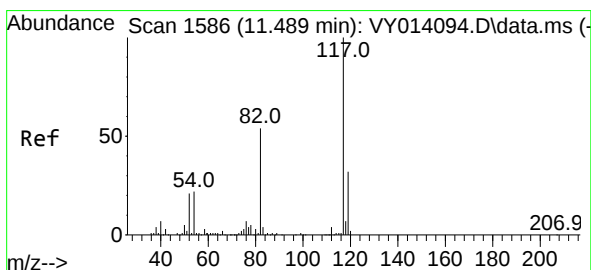
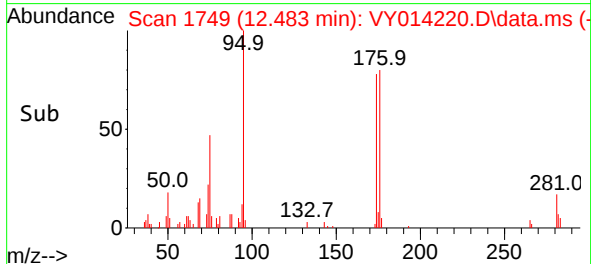
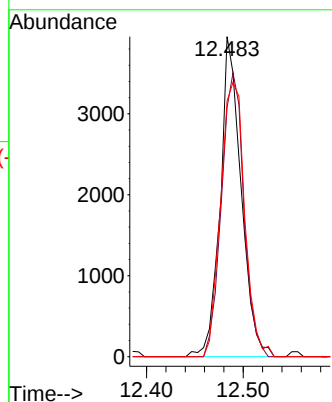
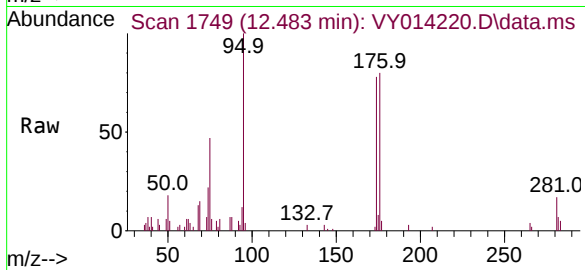
Tgt Ion: 95 Resp: 5920

Ion Ratio Lower Upper

95 100

174 94.4 0.0 178.2

176 98.5 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: VY014220.D

Acq: 16 Jun 2023 21:52

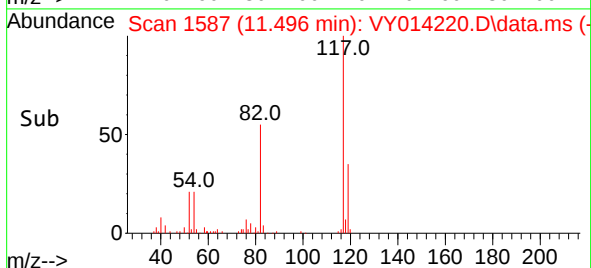
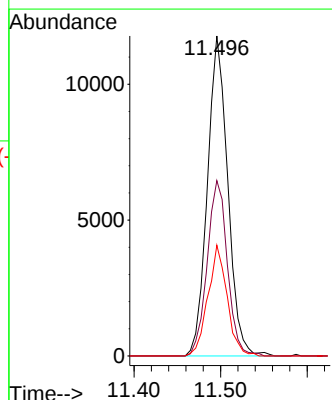
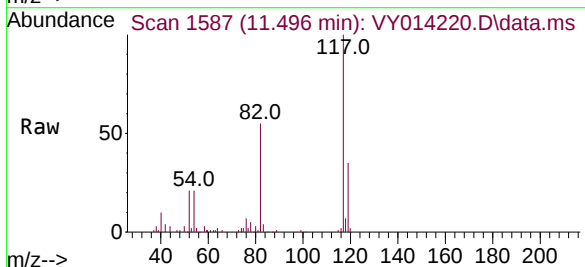
Tgt Ion: 117 Resp: 19282

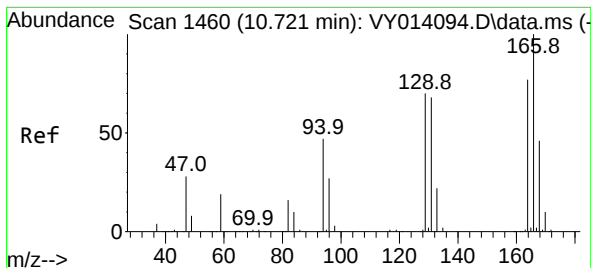
Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

119 34.6 26.3 39.5





#64

Tetrachloroethene

Concen: 4.387 ug/l

RT: 10.734 min Scan# 1462

Delta R.T. 0.013 min

Lab File: VY014220.D

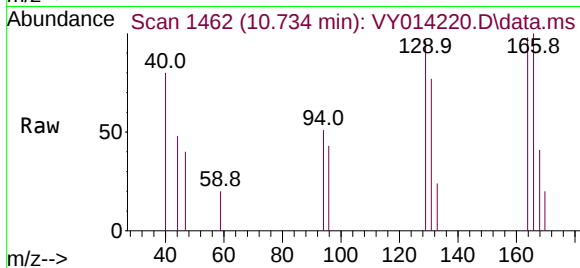
Acq: 16 Jun 2023 21:52

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-10-GRAB-7RE



Tgt Ion:164 Resp: 721

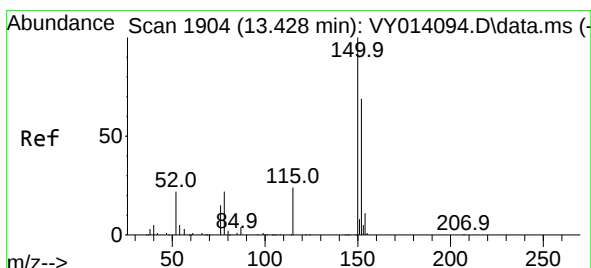
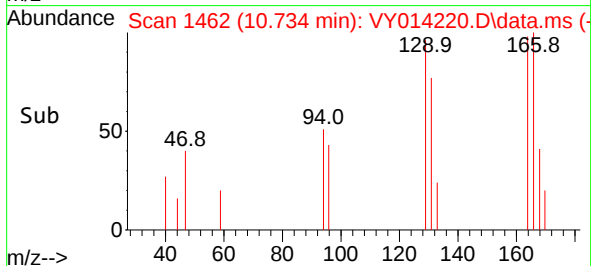
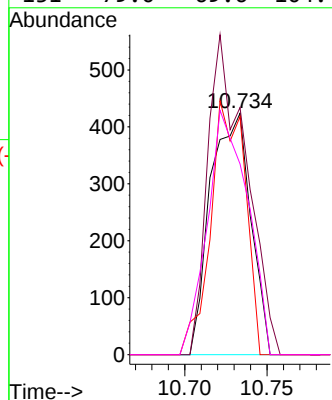
Ion Ratio Lower Upper

164 100

166 102.4 103.0 154.6#

129 98.6 77.2 115.8

131 79.0 69.6 104.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY014220.D

Acq: 16 Jun 2023 21:52

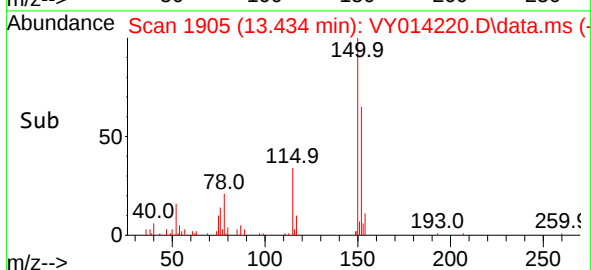
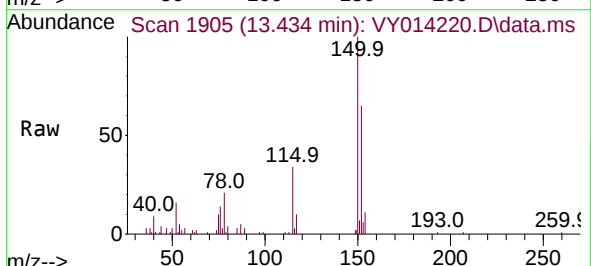
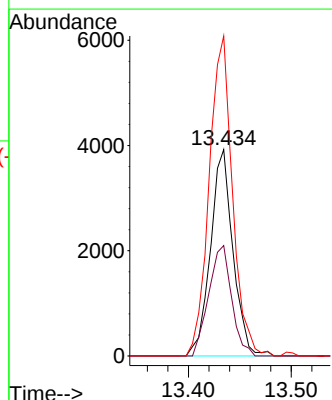
Tgt Ion:152 Resp: 5971

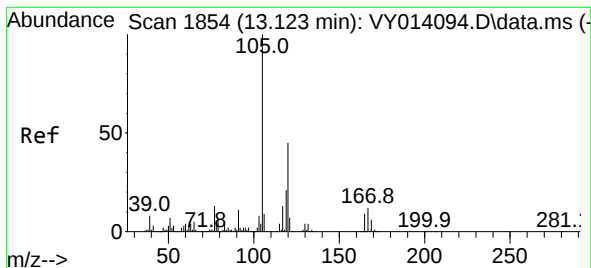
Ion Ratio Lower Upper

152 100

115 54.5 28.8 86.5

150 160.2 0.0 348.8





#84

1,2,4-Trimethylbenzene

Concen: 1.691 ug/l

RT: 13.130 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014220.D

Acq: 16 Jun 2023 21:52

Instrument :

MSVOA_Y

ClientSampleId :

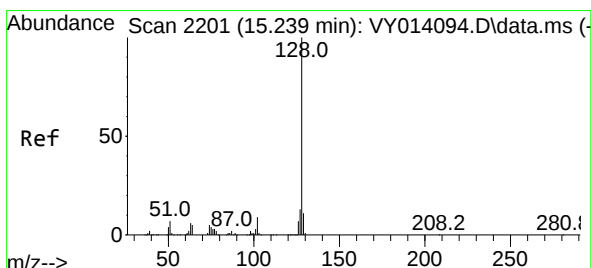
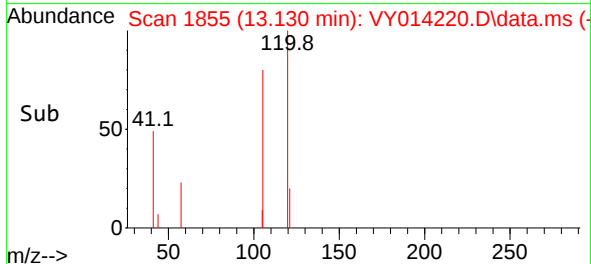
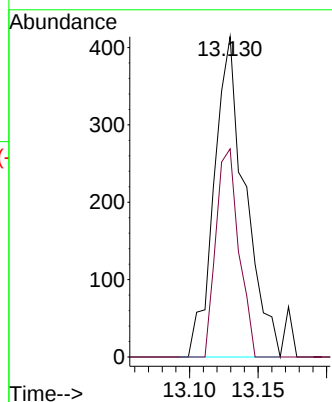
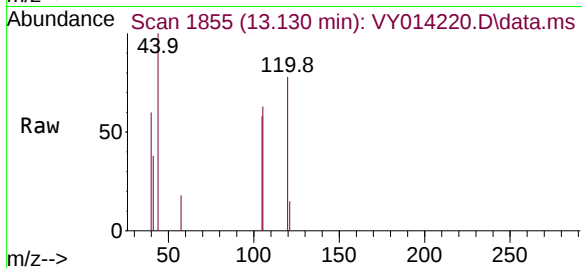
TOTAL-VOC-SB-10-GRAB-7RE

Tgt Ion:105 Resp: 653

Ion Ratio Lower Upper

105 100

120 47.8 22.2 66.6



#95

Naphthalene

Concen: 3.568 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY014220.D

Acq: 16 Jun 2023 21:52

Tgt Ion:128 Resp: 942

Ion Ratio Lower Upper

128 100

127 12.0 10.8 16.2

129 2.7 8.6 13.0#

