

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
 Data File : VY014414.D
 Acq On : 23 Jun 2023 17:48
 Operator : KP/MD
 Sample : 03362-19
 Misc : 12.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TOTAL-VOC-SB-19-20-SB-20-GRAB-5

Quant Time: Jun 23 23:13:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 17:18:46 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

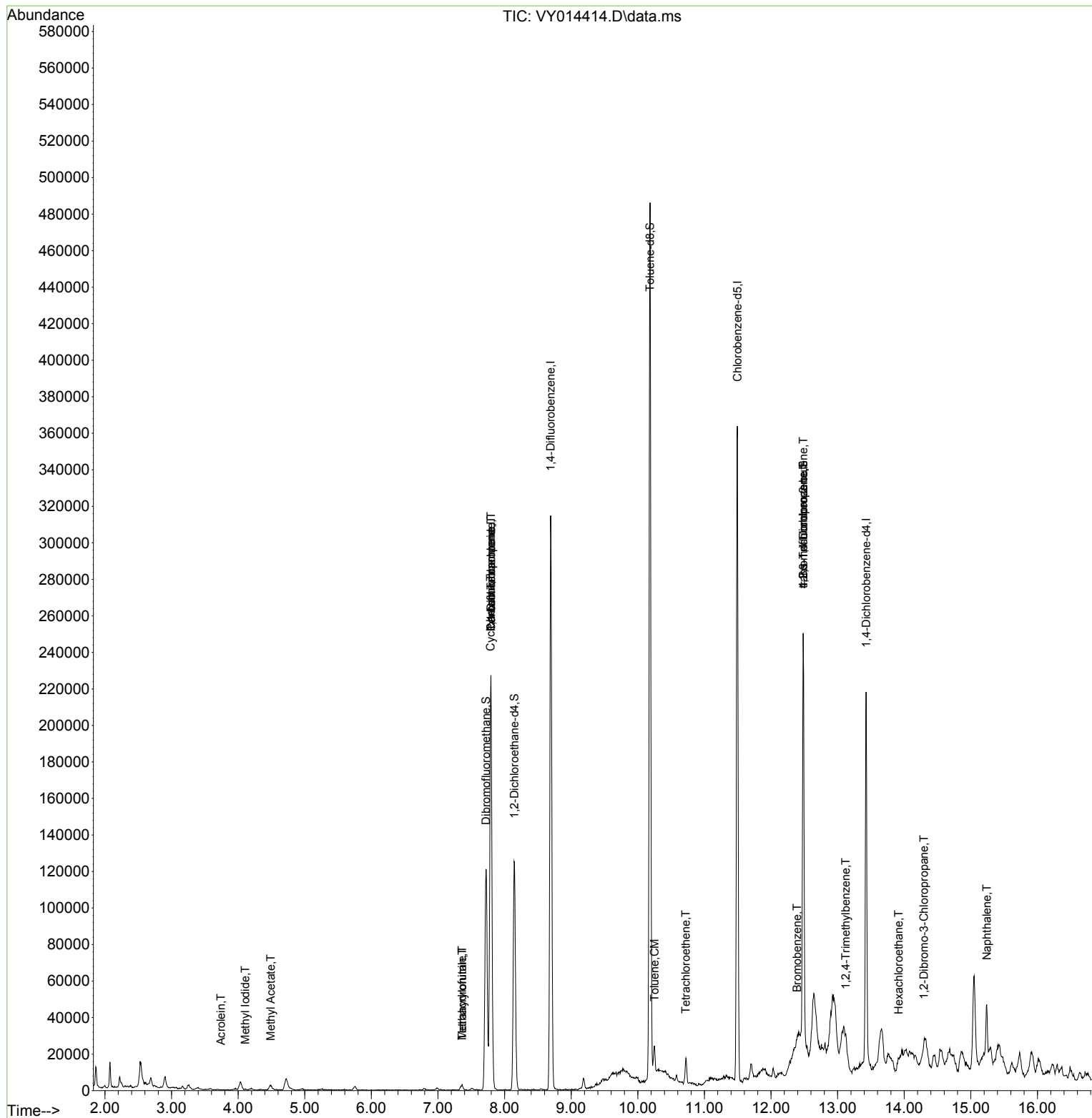
Internal Standards						
1) Pentafluorobenzene	7.795	168	176063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	262938	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	193456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	51742	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	109461	50.074	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.140%	
35) Dibromofluoromethane	7.722	113	83131	51.174	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.340%	
50) Toluene-d8	10.185	98	313716	48.581	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.483	95	64019	27.769	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 55.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.107	142	489	3.089	ug/l #	71
11) Tert butyl alcohol	4.966	59	1299	Below Cal	#	89
13) Acrolein	3.741	56	33	4.461	ug/l #	14
18) Methyl Acetate	4.491	43	4972	2.103	ug/l #	78
20) Methylene Chloride	4.716	84	4036	Below Cal		86
29) Tetrahydrofuran	7.362	42	2065	4.042	ug/l #	87
31) Cyclohexane	7.789	56	4961	1.837	ug/l #	45
36) 1,1-Dichloropropene	7.795	75	12210	4.877	ug/l #	52
38) Carbon Tetrachloride	7.795	117	17217	5.465	ug/l #	18
41) Methacrylonitrile	7.362	41	1287	1.505	ug/l #	37
52) Toluene	10.252	92	5986	1.312	ug/l	95
64) Tetrachloroethene	10.721	164	2926	1.777	ug/l #	89
76) 1,2,3-Trichloropropane	12.483	75	36599	56.388	ug/l #	100
77) Bromobenzene	12.392	156	15066	16.631	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	36599	128.376	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	4384	1.468	ug/l	80
90) Hexachloroethane	13.916	117	879	1.428	ug/l #	8
92) 1,2-Dibromo-3-Chloropr...	14.294	75	245	1.489	ug/l #	29
95) Naphthalene	15.239	128	23411	10.507	ug/l #	92

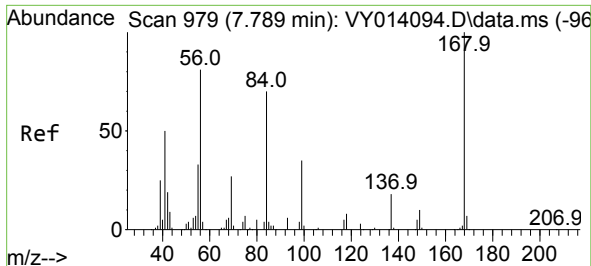
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062323\
Data File : VY014414.D
Acq On : 23 Jun 2023 17:48
Operator : KP/MD
Sample : 03362-19
Misc : 12.55g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5

Quant Time: Jun 23 23:13:18 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062323S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 17:18:46 2023
Response via : Initial Calibration

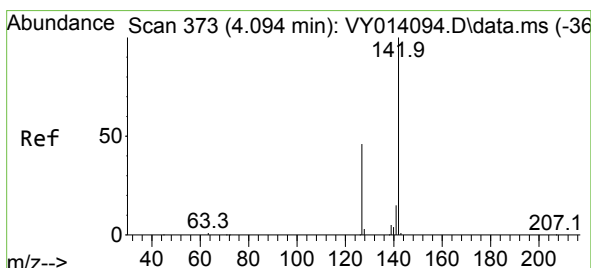
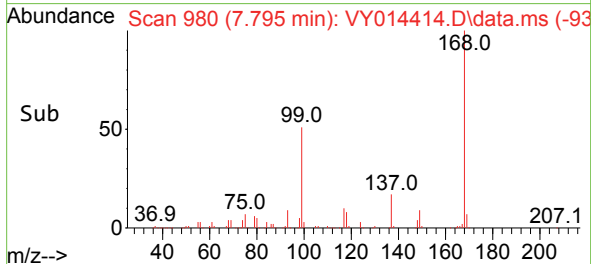
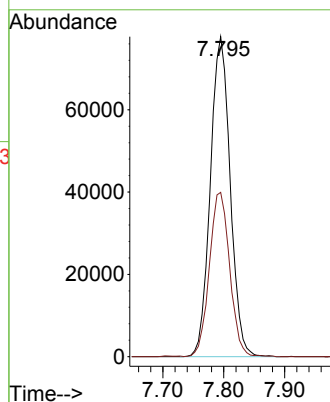
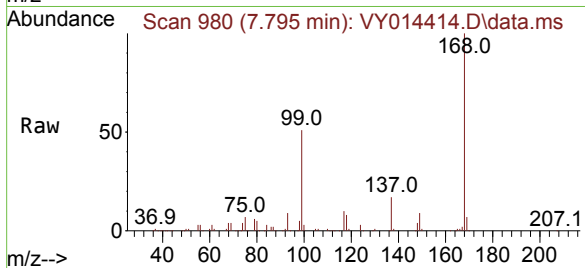




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

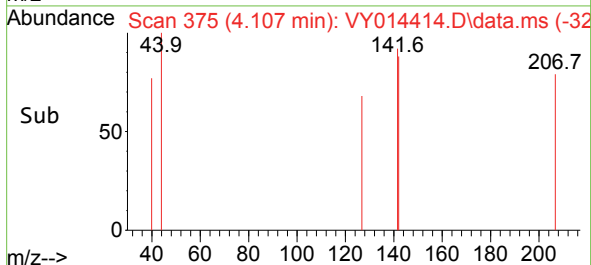
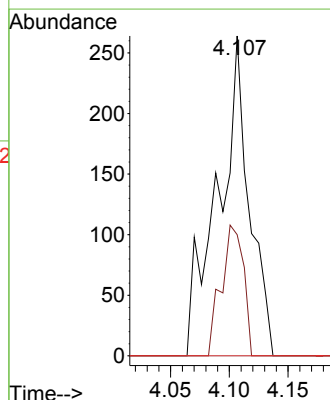
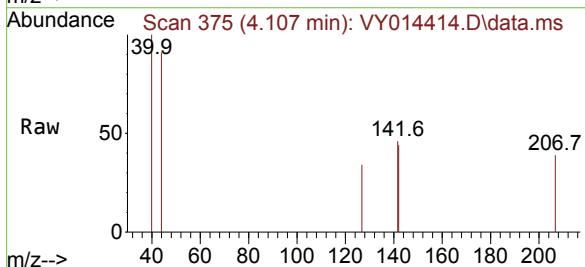
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5

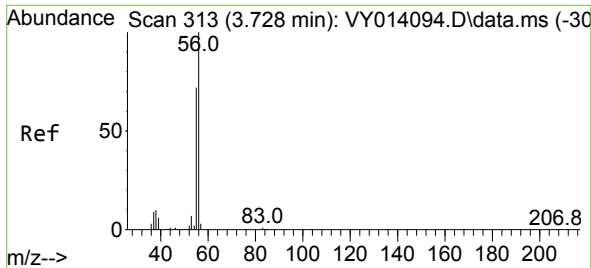
Tgt Ion:168 Resp: 176063
Ion Ratio Lower Upper
168 100
99 51.3 43.4 65.0



#10
Methyl Iodide
Concen: 3.089 ug/l
RT: 4.107 min Scan# 375
Delta R.T. 0.013 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion:142 Resp: 489
Ion Ratio Lower Upper
142 100
127 29.0 37.6 56.4#
141 0.0 11.8 17.8#

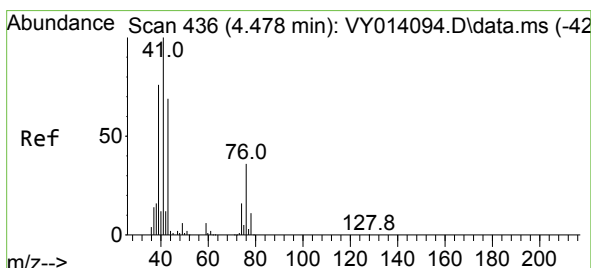
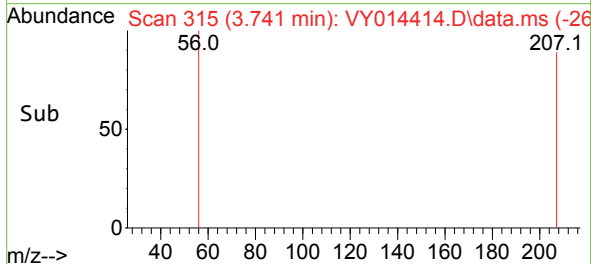
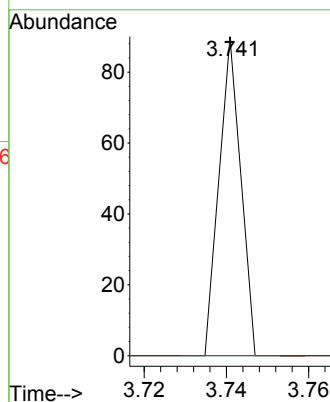
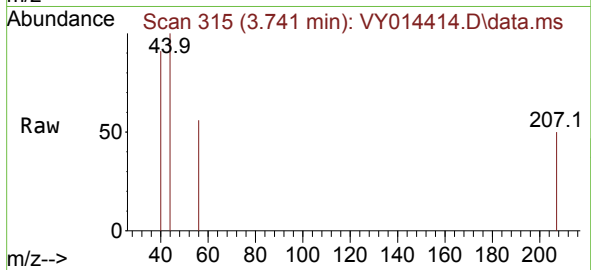




#13
Acrolein
Concen: 4.461 ug/l
RT: 3.741 min Scan# 313
Delta R.T. 0.013 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

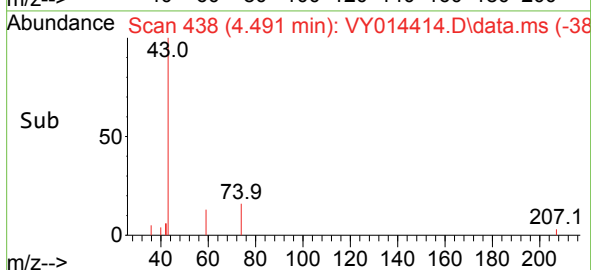
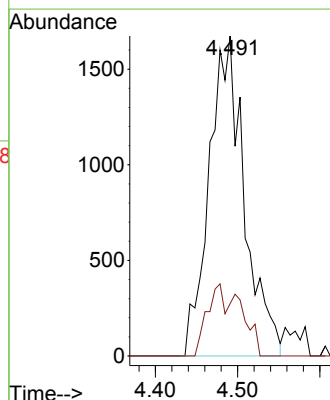
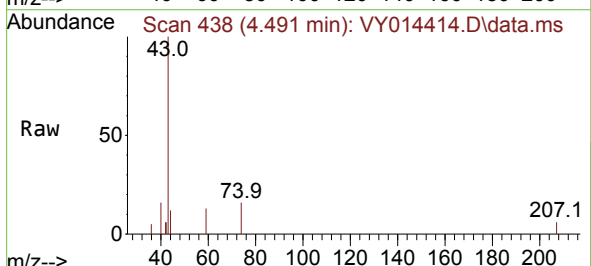
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-20-GRAB-5

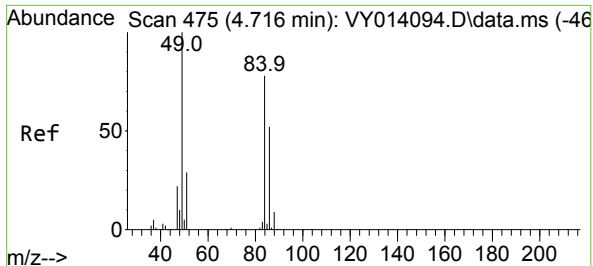
Tgt Ion: 56 Resp: 33
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#18
Methyl Acetate
Concen: 2.103 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.013 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion: 43 Resp: 4972
Ion Ratio Lower Upper
43 100
74 11.2 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY014414.D

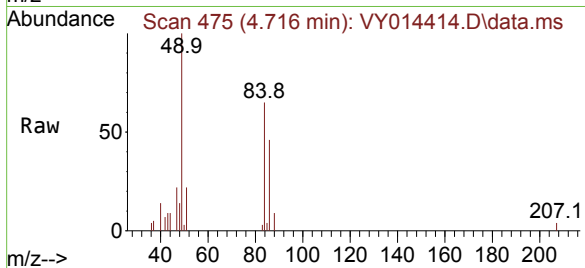
Acq: 23 Jun 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5



Tgt Ion: 84 Resp: 4036

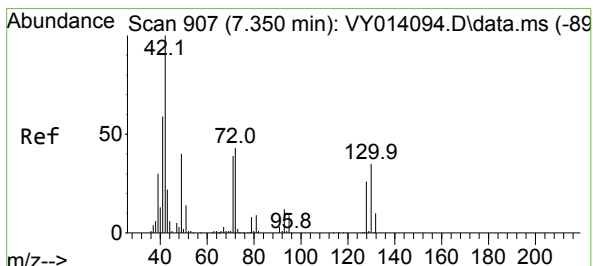
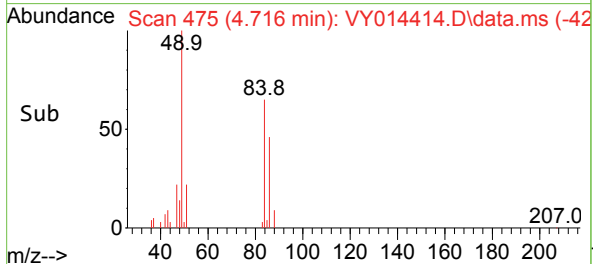
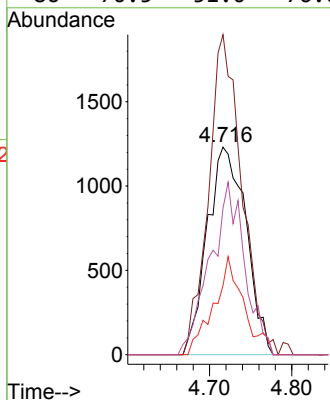
Ion Ratio Lower Upper

84 100

49 154.2 106.9 160.3

51 33.3 33.2 49.8

86 70.5 51.0 76.6



#29

Tetrahydrofuran

Concen: 4.042 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.012 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

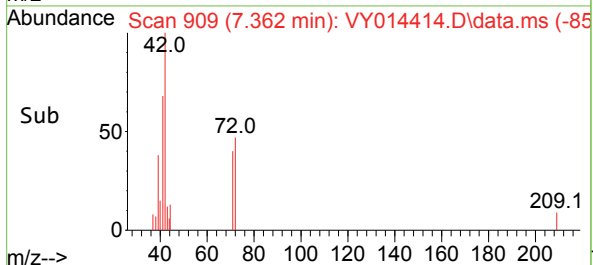
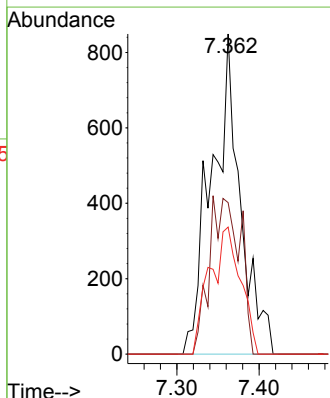
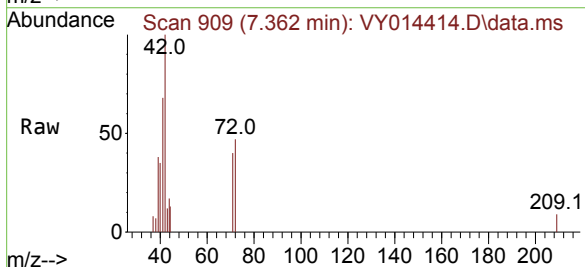
Tgt Ion: 42 Resp: 2065

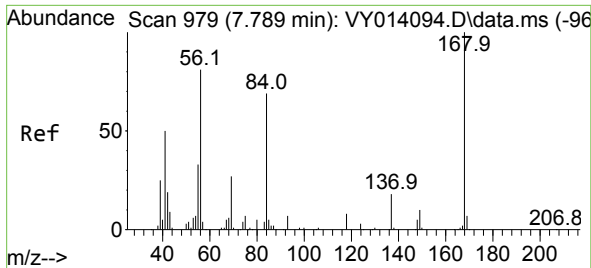
Ion Ratio Lower Upper

42 100

72 52.6 32.8 49.2#

71 42.8 31.0 46.4

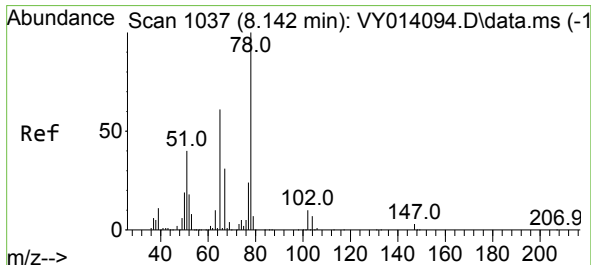
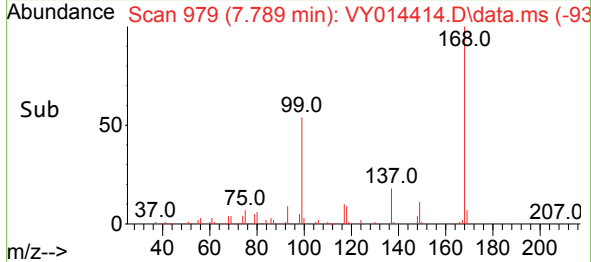
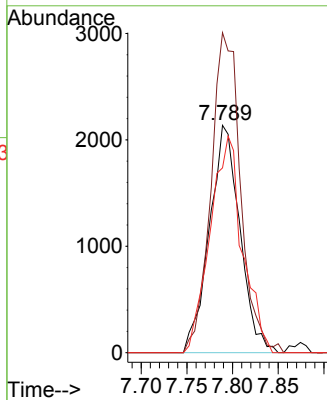
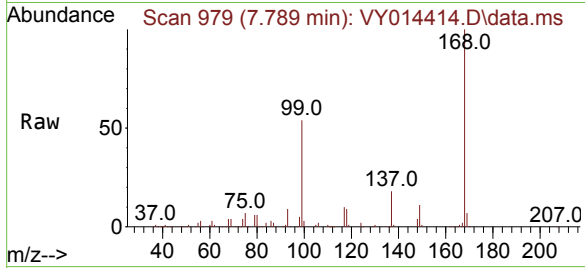




#31
Cyclohexane
Concen: 1.837 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

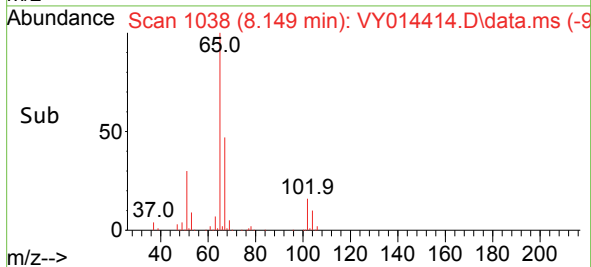
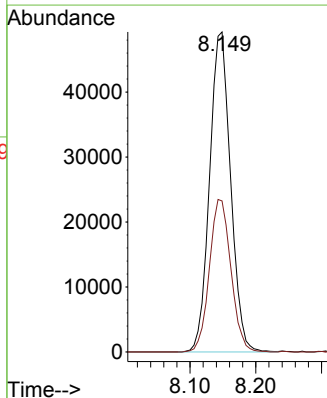
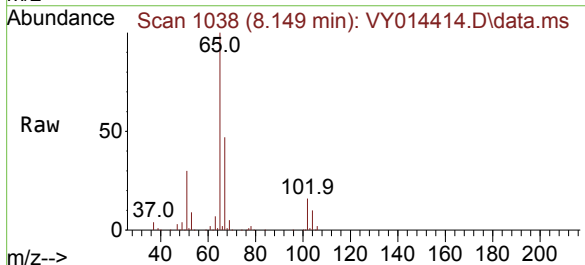
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5

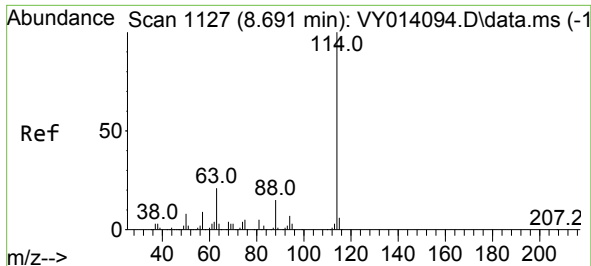
Tgt Ion: 56 Resp: 4961
Ion Ratio Lower Upper
56 100
69 140.7 27.8 41.6#
84 81.2 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 50.074 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion: 65 Resp: 109461
Ion Ratio Lower Upper
65 100
67 48.8 0.0 101.8

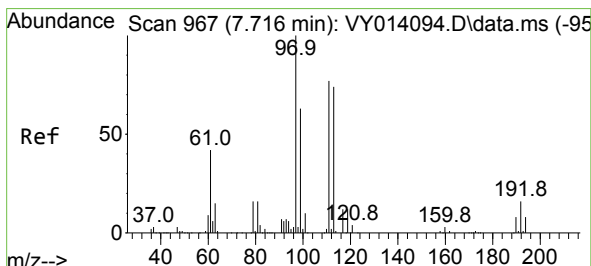
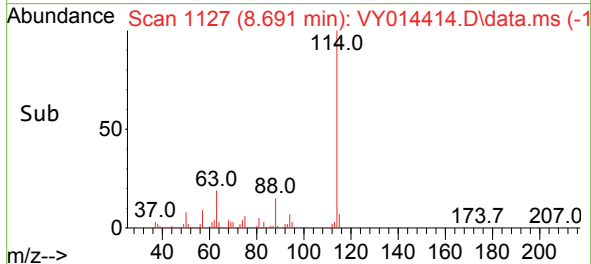
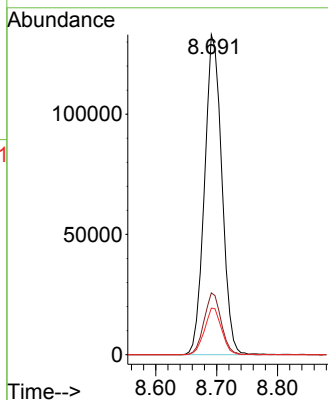
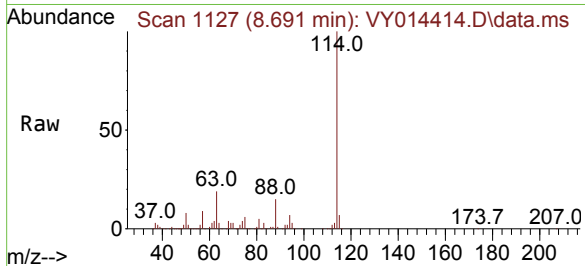




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

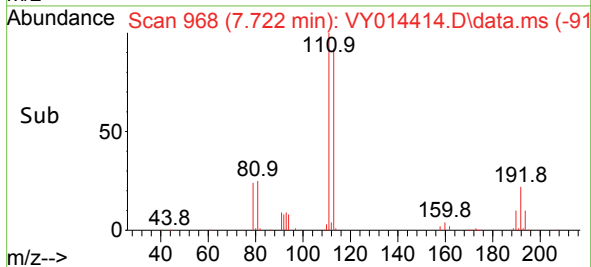
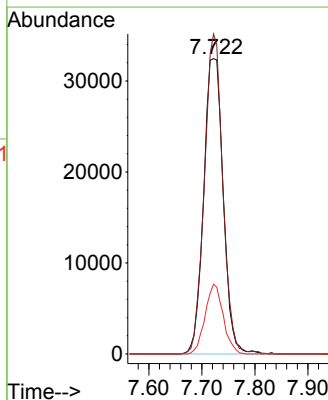
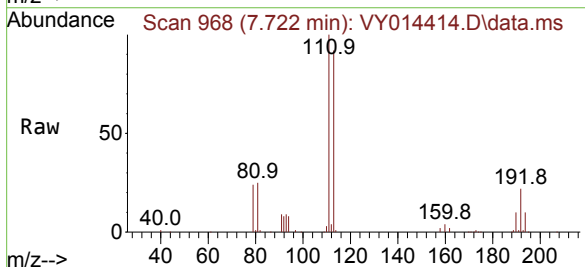
Instrument : MSVOA_Y
ClientSampleId : TOTAL-VOC-SB-19-20-SB-20-GRAB-5

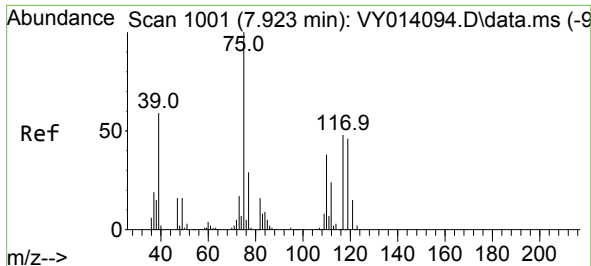
Tgt Ion:	114	Resp:	262938
Ion Ratio	Lower	Upper	
114	100		
63	19.3	0.0	42.4
88	14.6	0.0	30.6



#35
Dibromofluoromethane
Concen: 51.174 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.006 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion:	113	Resp:	83131
Ion Ratio	Lower	Upper	
113	100		
111	101.5	81.3	121.9
192	21.9	16.9	25.3





#36

1,1-Dichloropropene

Concen: 4.877 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY014414.D

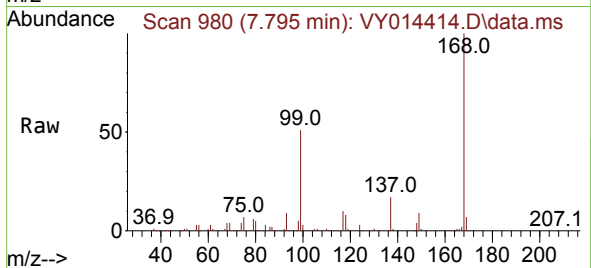
Acq: 23 Jun 2023 17:48

Instrument :

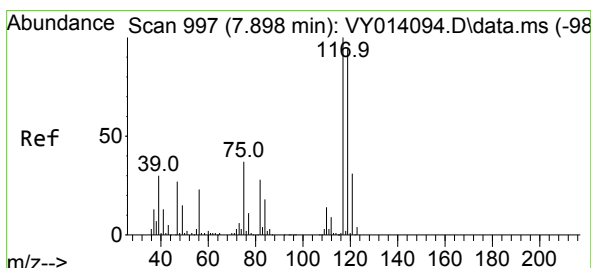
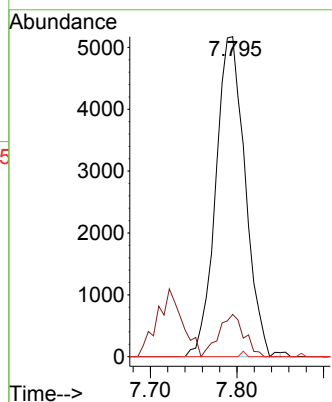
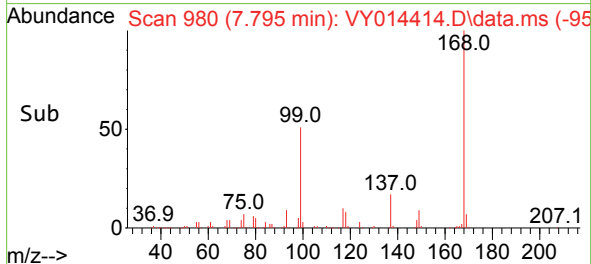
MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5



Tgt Ion: 75	Resp: 12210
Ion Ratio	Lower Upper
75	100
110	11.4 17.8 53.5#
77	0.3 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.465 ug/l

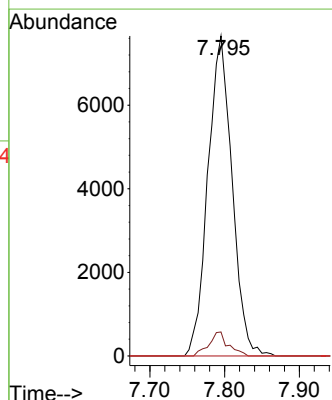
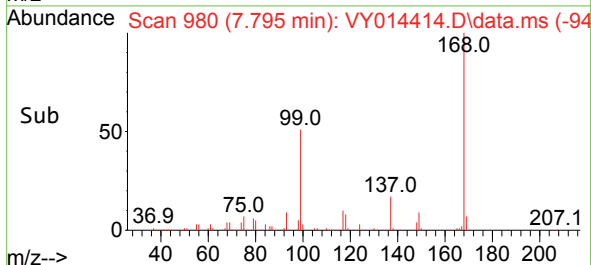
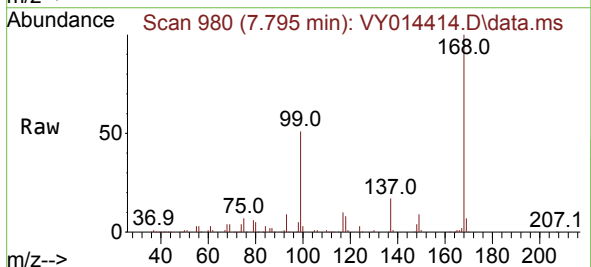
RT: 7.795 min Scan# 980

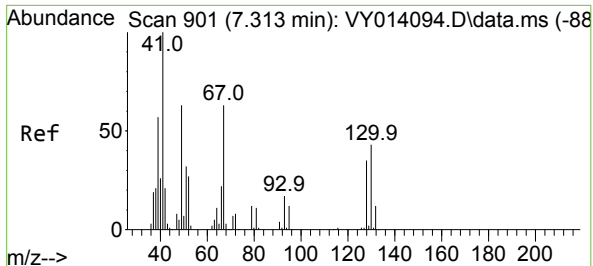
Delta R.T. -0.103 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

Tgt Ion: 117	Resp: 17217
Ion Ratio	Lower Upper
117	100
119	7.5 76.4 114.6#
121	0.0 25.8 38.6#

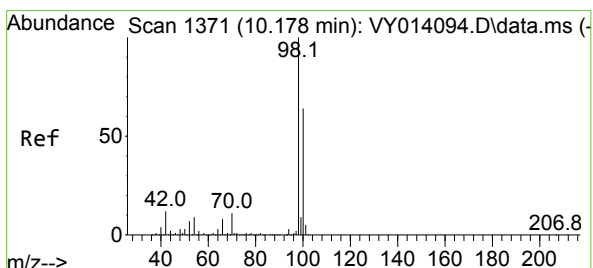
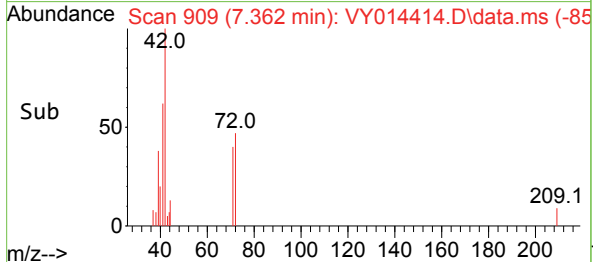
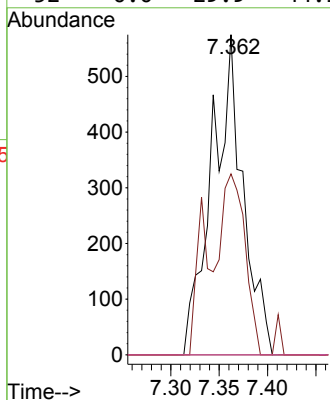
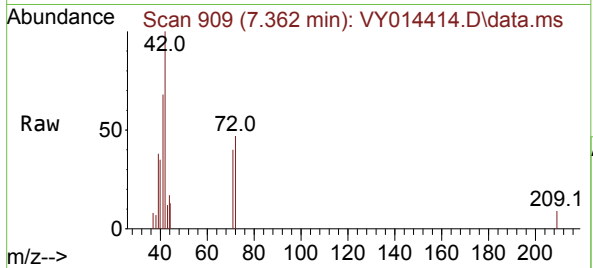




#41
Methacrylonitrile
Concen: 1.505 ug/l
RT: 7.362 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

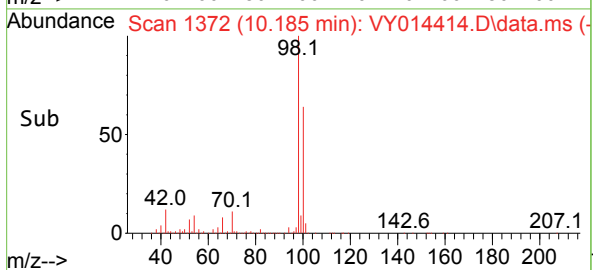
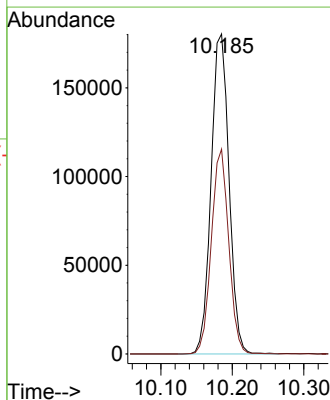
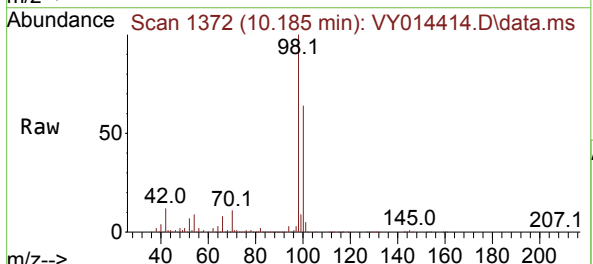
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5

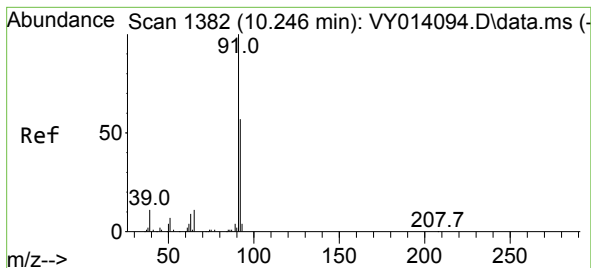
Tgt Ion: 41	Resp: 1287
Ion Ratio	Lower Upper
41 100	
39 43.7	52.1 78.1#
67 0.0	66.2 99.2#
52 0.0	29.9 44.9#



#50
Toluene-d8
Concen: 48.581 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion: 98	Resp: 313716
Ion Ratio	Lower Upper
98 100	
100 62.2	50.1 75.1





#52

Toluene

Concen: 1.312 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

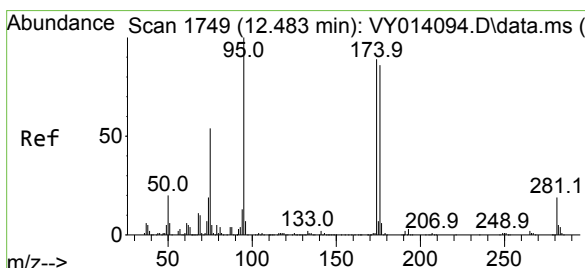
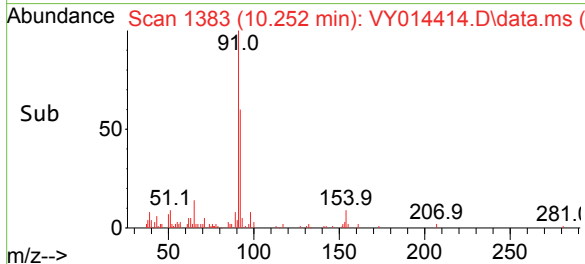
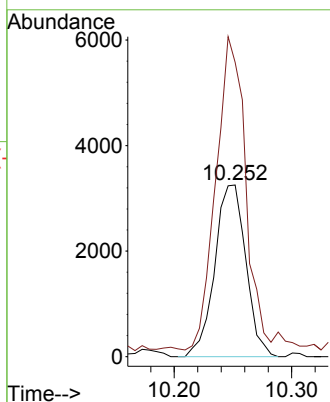
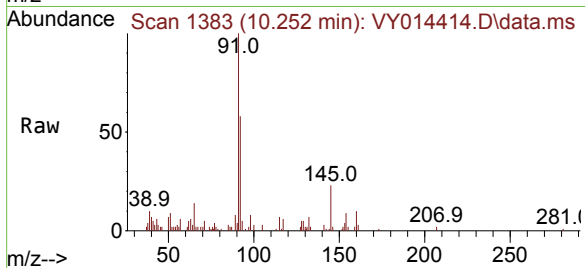
TOTAL-VOC-SB-19-20-SB-20-GRAB-5

Tgt Ion: 92 Resp: 5986

Ion Ratio Lower Upper

92 100

91 173.0 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 27.769 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

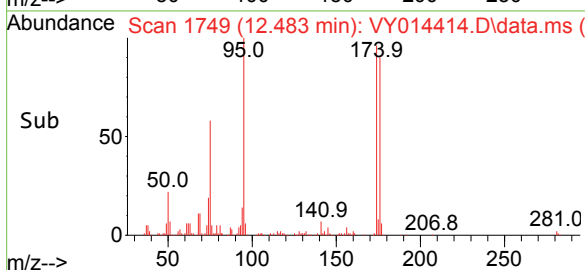
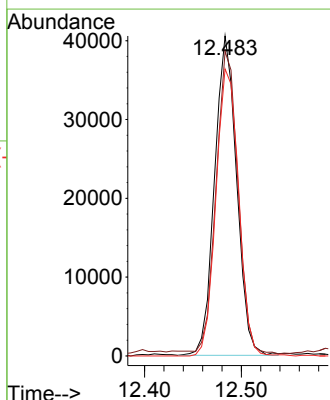
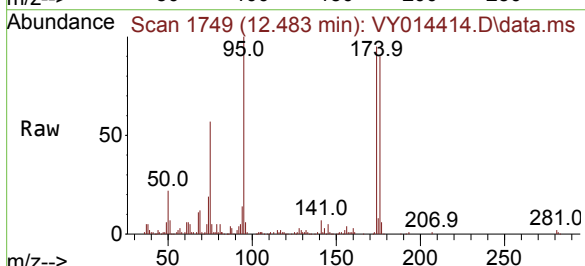
Tgt Ion: 95 Resp: 64019

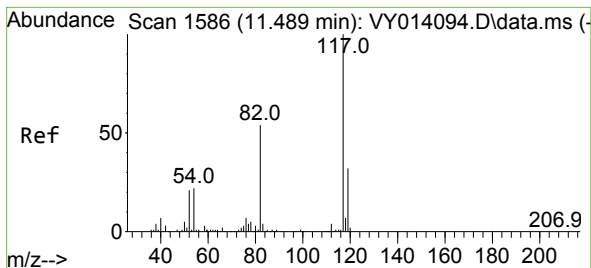
Ion Ratio Lower Upper

95 100

174 94.4 0.0 178.2

176 92.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY014414.D

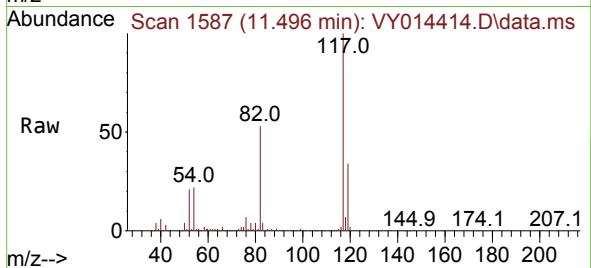
Acq: 23 Jun 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5



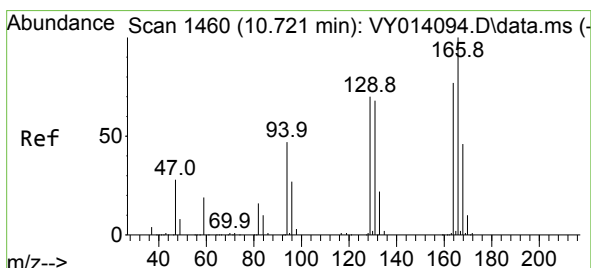
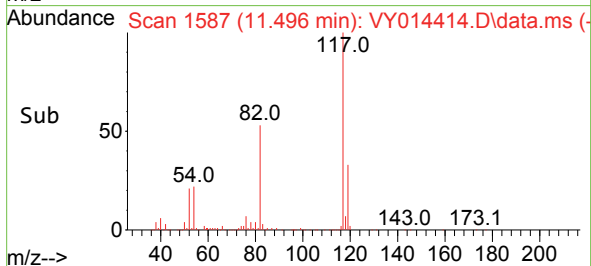
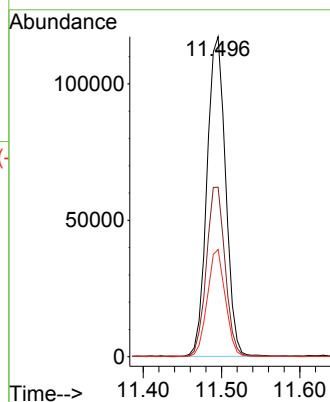
Tgt Ion:117 Resp: 193456

Ion Ratio Lower Upper

117 100

82 52.9 43.4 65.0

119 33.4 26.3 39.5



#64

Tetrachloroethene

Concen: 1.777 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

Tgt Ion:164 Resp: 2926

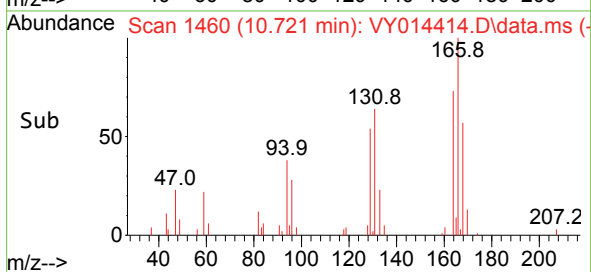
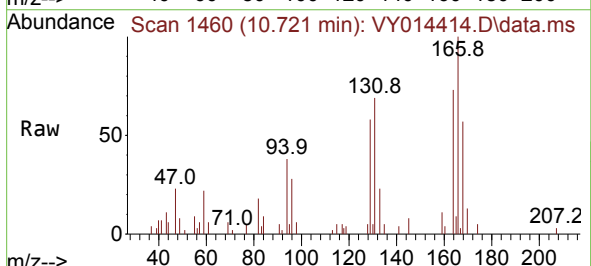
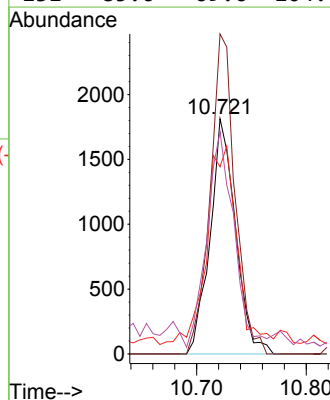
Ion Ratio Lower Upper

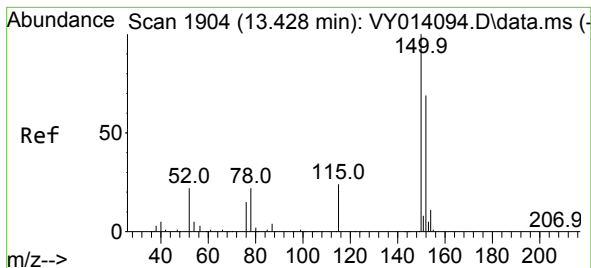
164 100

166 136.1 103.0 154.6

129 70.5 77.2 115.8#

131 85.6 69.6 104.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014414.D

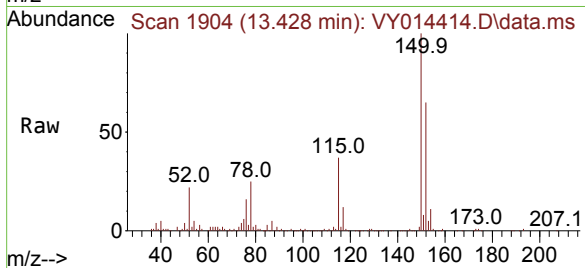
Acq: 23 Jun 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5



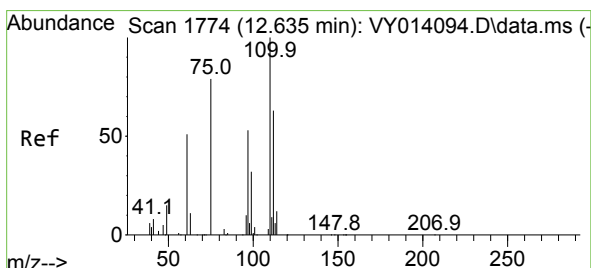
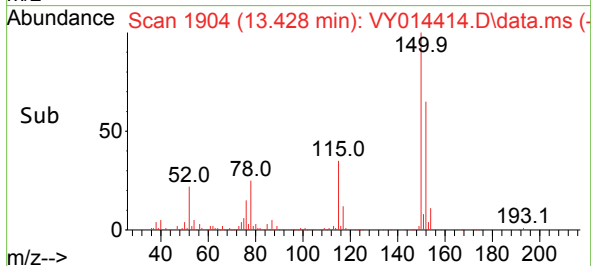
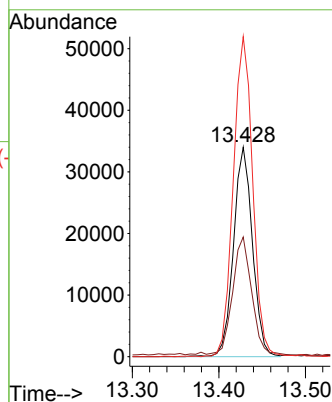
Tgt Ion:152 Resp: 51742

Ion Ratio Lower Upper

152 100

115 56.5 28.8 86.5

150 156.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 56.388 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014414.D

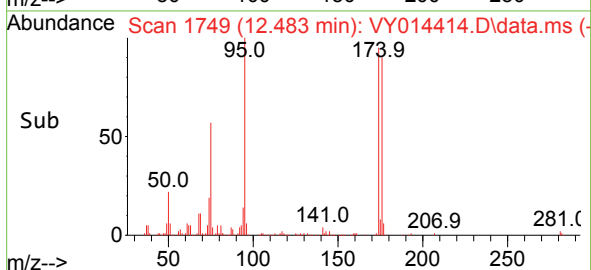
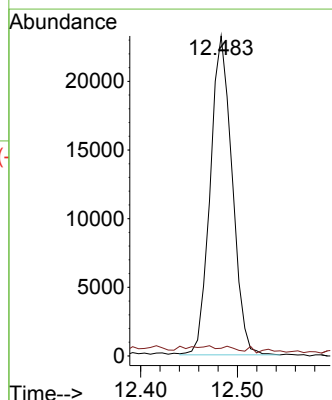
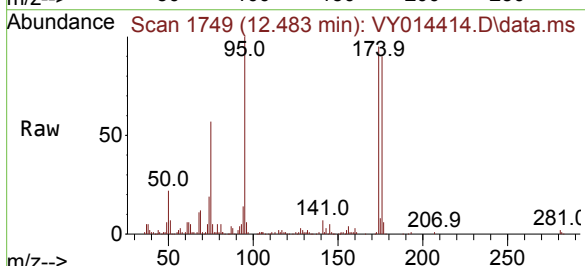
Acq: 23 Jun 2023 17:48

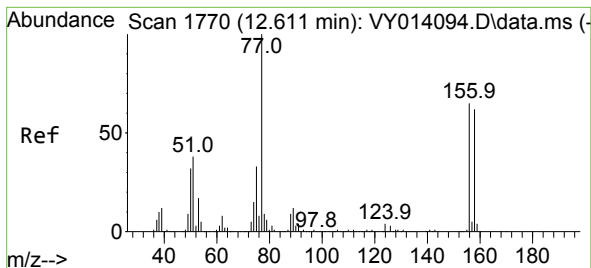
Tgt Ion: 75 Resp: 36599

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#77

Bromobenzene

Concen: 16.631 ug/l

RT: 12.392 min Scan# 1749

Delta R.T. -0.219 min

Lab File: VY014414.D

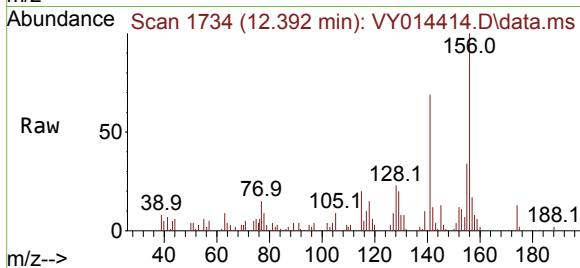
Acq: 23 Jun 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5



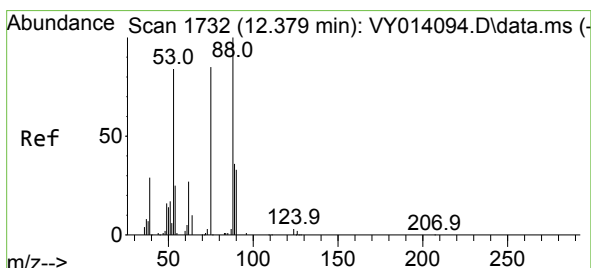
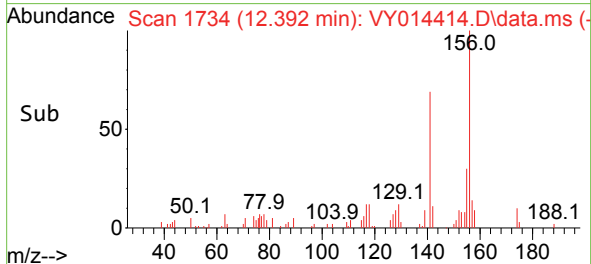
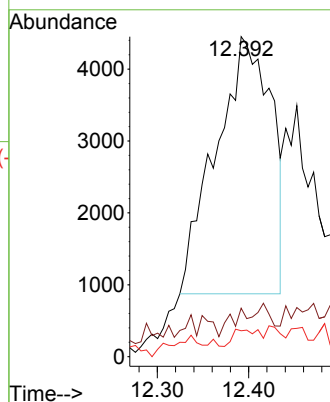
Tgt Ion:156 Resp: 15066

Ion Ratio Lower Upper

156 100

77 3.1 92.8 278.6#

158 2.3 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 128.376 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.104 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

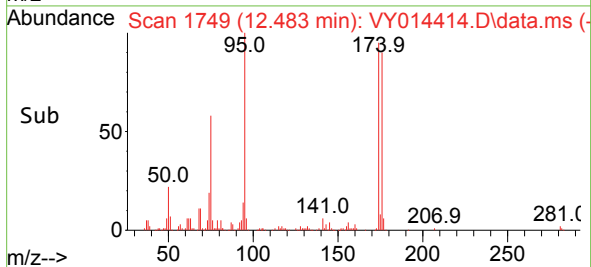
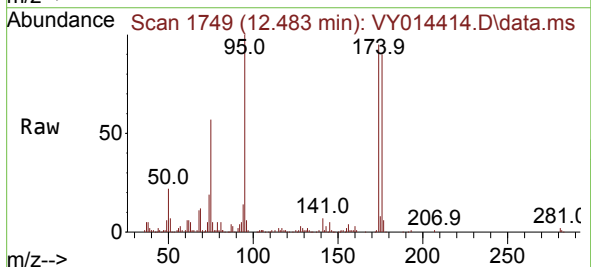
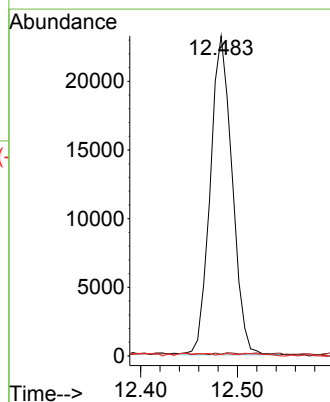
Tgt Ion: 75 Resp: 36599

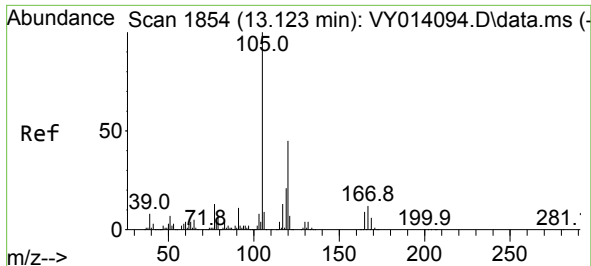
Ion Ratio Lower Upper

75 100

53 0.5 77.8 116.8#

89 0.4 37.4 56.0#

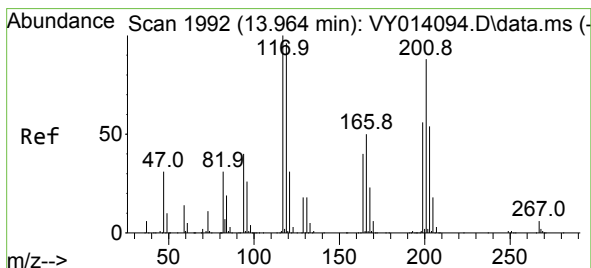
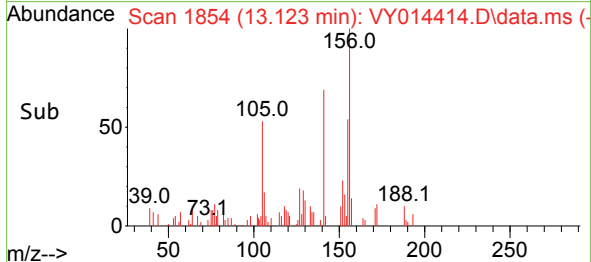
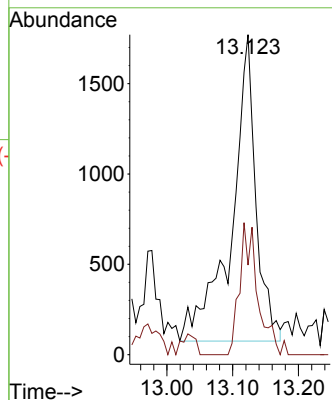
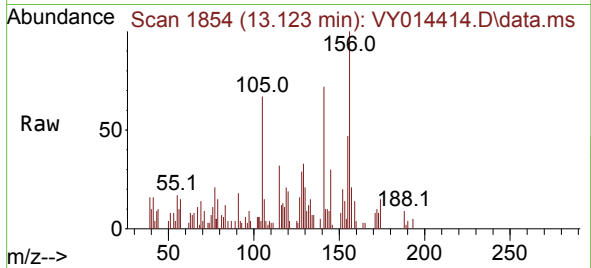




#84
1,2,4-Trimethylbenzene
Concen: 1.468 ug/l
RT: 13.123 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

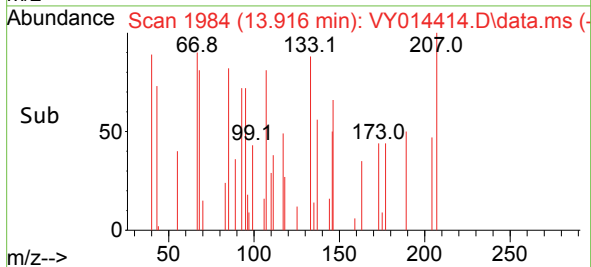
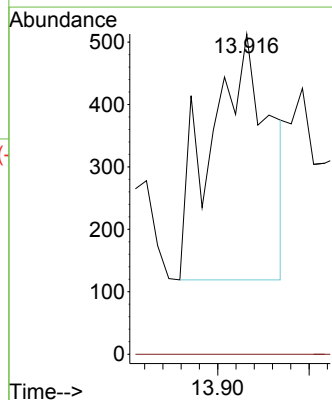
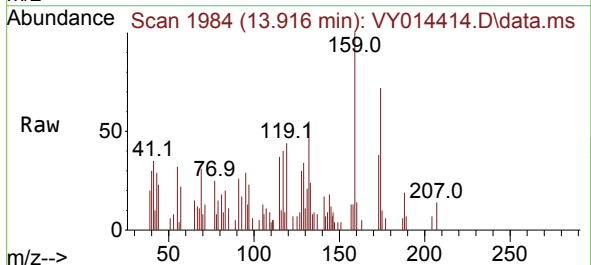
Instrument :
MSVOA_Y
ClientSampleId :
TOTAL-VOC-SB-19-20-SB-20-GRAB-5

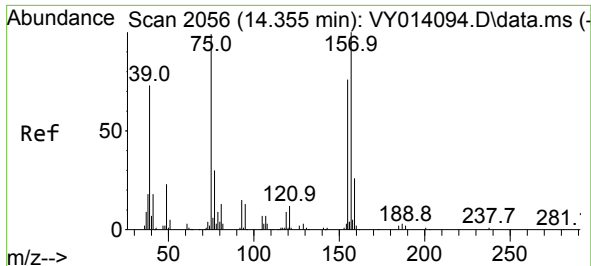
Tgt Ion:105 Resp: 4384
Ion Ratio Lower Upper
105 100
120 31.3 22.2 66.6



#90
Hexachloroethane
Concen: 1.428 ug/l
RT: 13.916 min Scan# 1984
Delta R.T. -0.048 min
Lab File: VY014414.D
Acq: 23 Jun 2023 17:48

Tgt Ion:117 Resp: 879
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.489 ug/l

RT: 14.294 min Scan# 2046

Delta R.T. -0.061 min

Lab File: VY014414.D

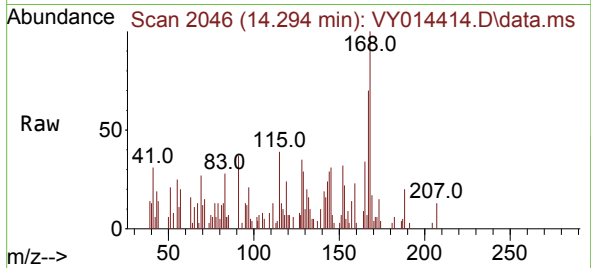
Acq: 23 Jun 2023 17:48

Instrument :

MSVOA_Y

ClientSampleId :

TOTAL-VOC-SB-19-20-SB-20-GRAB-5



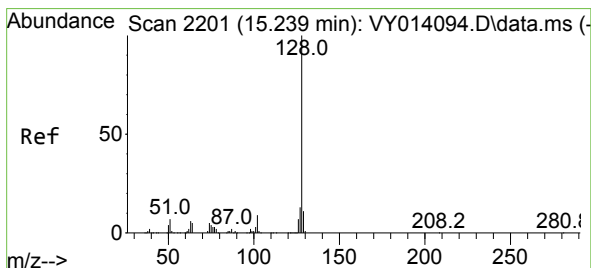
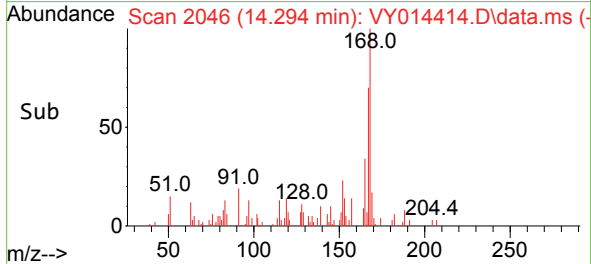
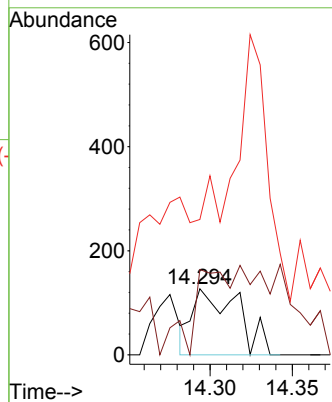
Tgt Ion: 75 Resp: 245

Ion Ratio Lower Upper

75 100

155 53.9 41.5 124.6

157 0.0 51.8 155.5#



#95

Naphthalene

Concen: 10.507 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY014414.D

Acq: 23 Jun 2023 17:48

Tgt Ion: 128 Resp: 23411

Ion Ratio Lower Upper

128 100

127 17.4 10.8 16.2#

129 8.8 8.6 13.0

