

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015767.D
 Acq On : 29 Sep 2023 20:36
 Operator : SY/MD
 Sample : 04657-08
 Misc : 5.88g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 01:18:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

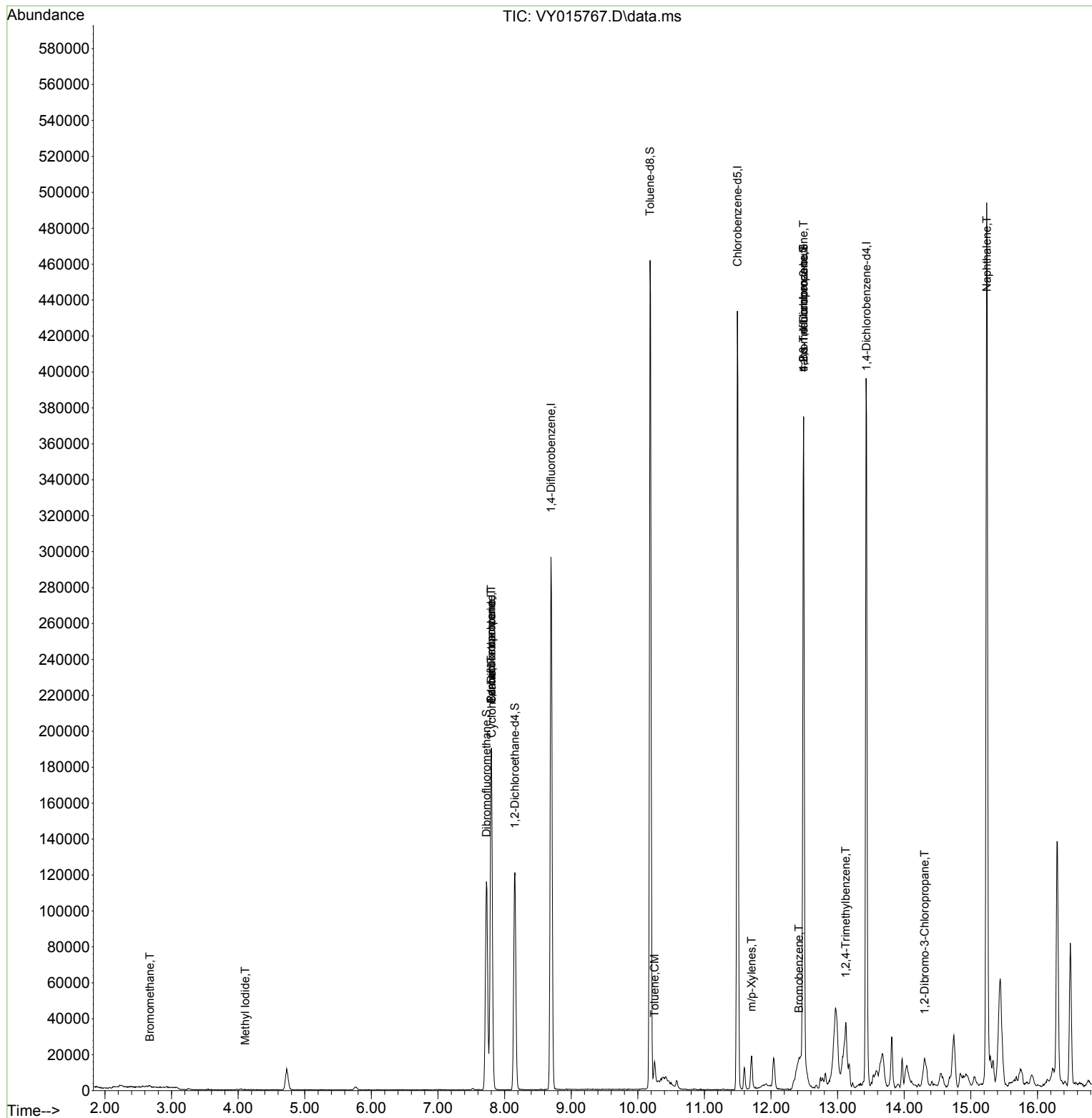
Internal Standards						
1) Pentafluorobenzene	7.801	168	150599	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	257400	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	235602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	102679	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.154	65	95829	57.833	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.660%	
35) Dibromofluoromethane	7.728	113	83233	54.025	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.060%	
50) Toluene-d8	10.185	98	302071	57.827	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 115.660%	
62) 4-Bromofluorobenzene	12.489	95	103412	50.446	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.900%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.674	94	301	2.758	ug/l #	70
10) Methyl Iodide	4.106	142	54	2.758	ug/l #	38
11) Tert butyl alcohol	5.021	59	50	Below Cal	#	89
20) Methylene Chloride	4.728	84	8388	Below Cal		93
31) Cyclohexane	7.807	56	2988	1.302	ug/l #	7
36) 1,1-Dichloropropene	7.801	75	11277	4.951	ug/l #	51
38) Carbon Tetrachloride	7.801	117	14560	5.888	ug/l #	16
52) Toluene	10.252	92	5499	1.228	ug/l	85
68) m/p-Xylenes	11.709	106	5558	1.627	ug/l	98
76) 1,2,3-Trichloropropane	12.489	75	54983	33.566	ug/l #	100
77) Bromobenzene	12.422	156	14597	7.720	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.489	75	54983	75.587	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	7578	1.175	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.306	75	428	1.005	ug/l #	3
95) Naphthalene	15.239	128	405106	71.270	ug/l	99

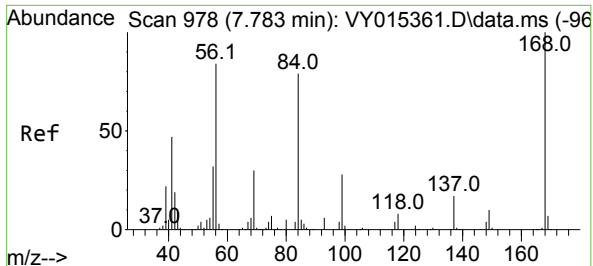
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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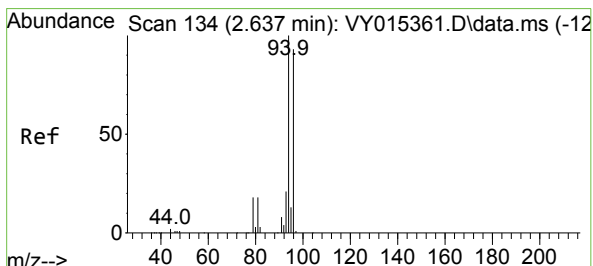
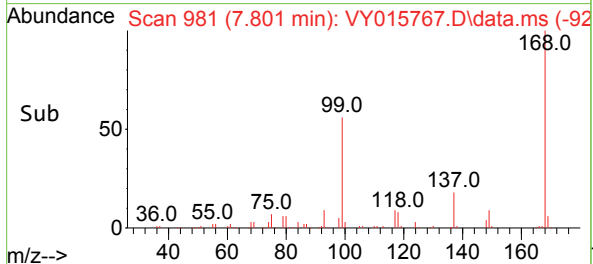
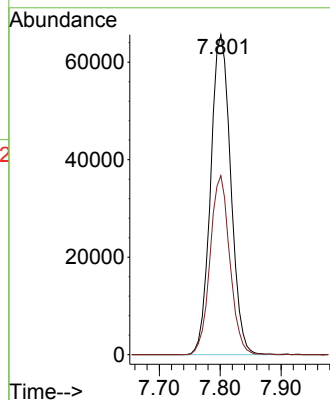
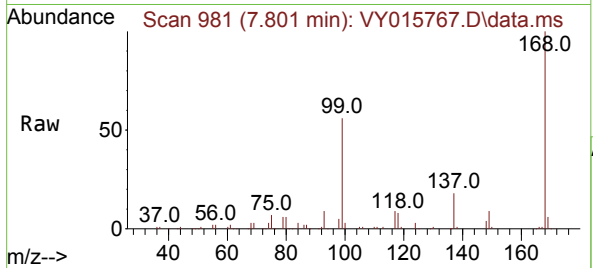




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

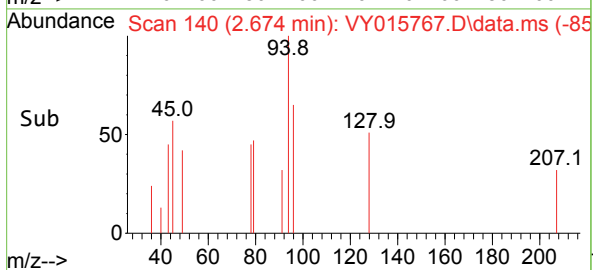
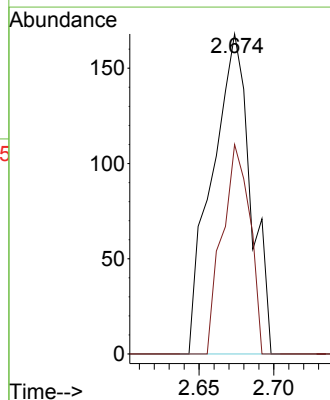
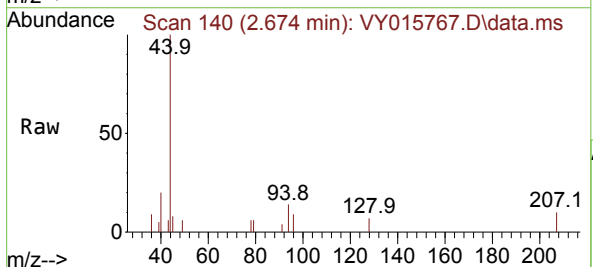
Instrument :
MSVOA_Y
ClientSampleId :

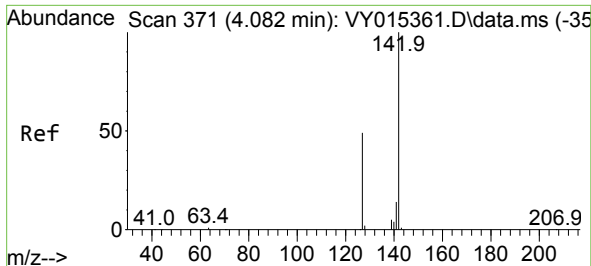
Tgt Ion:168 Resp: 150599
Ion Ratio Lower Upper
168 100
99 55.9 43.4 65.0



#5
Bromomethane
Concen: 2.758 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.037 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

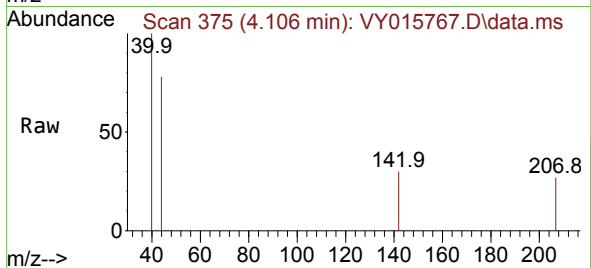
Tgt Ion: 94 Resp: 301
Ion Ratio Lower Upper
94 100
96 65.5 75.8 113.6#



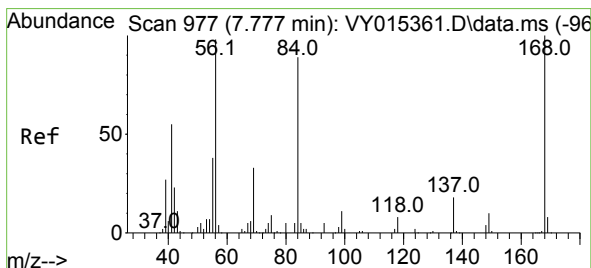
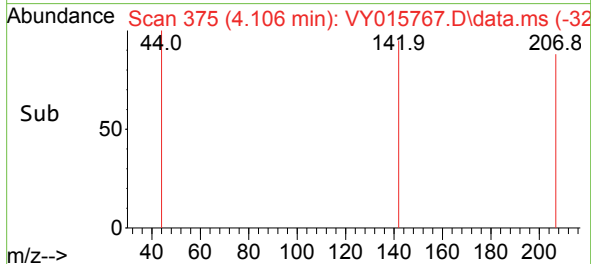
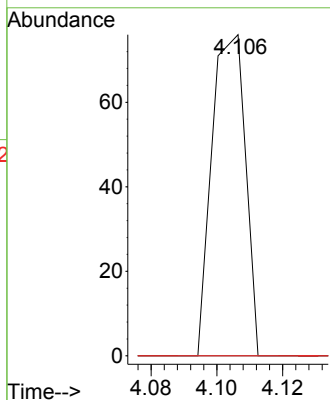


#10
Methyl Iodide
Concen: 2.758 ug/l
RT: 4.106 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

Instrument :
MSVOA_Y
ClientSampleId :

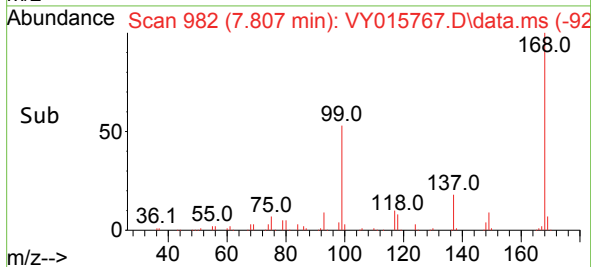
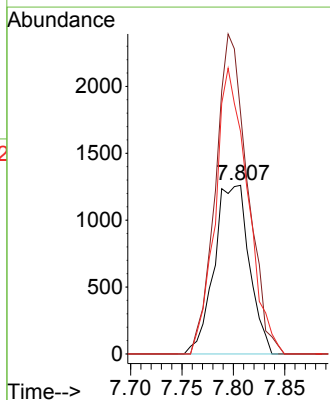
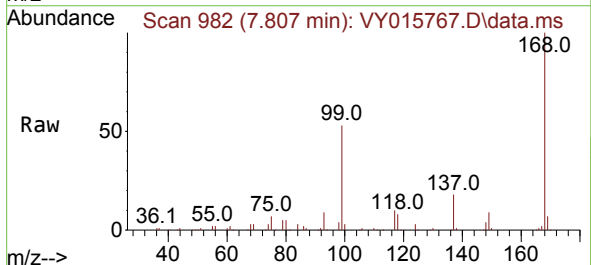


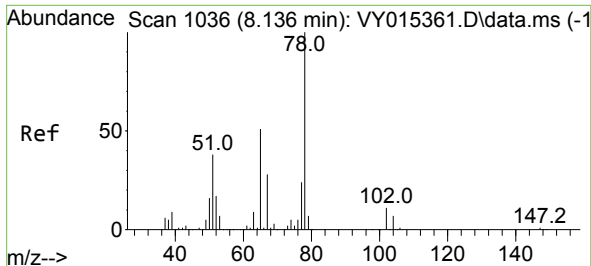
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#31
Cyclohexane
Concen: 1.302 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.024 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

Tgt Ion: 56 Resp: 2988
Ion Ratio Lower Upper
56 100
69 142.6 27.8 41.6#
84 131.7 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.833 ug/l

RT: 8.154 min Scan# 110

Delta R.T. 0.018 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

Instrument :

MSVOA_Y

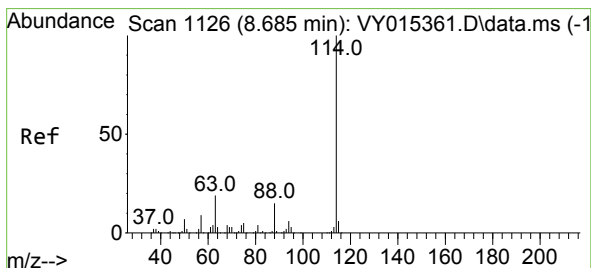
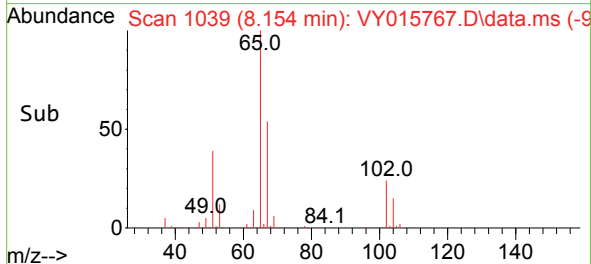
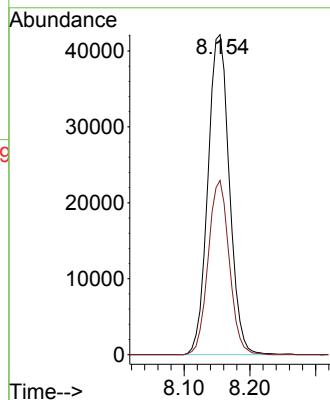
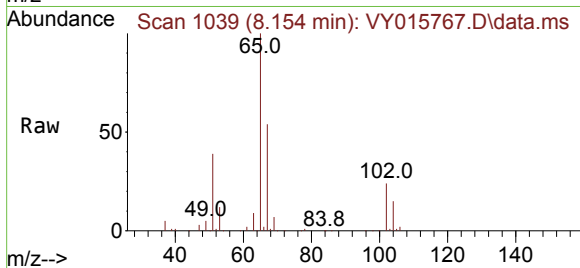
ClientSampleId :

Tgt Ion: 65 Resp: 95829

Ion Ratio Lower Upper

65 100

67 53.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

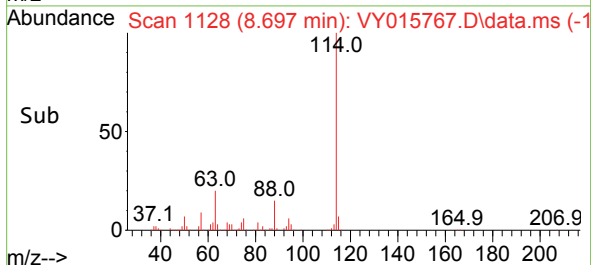
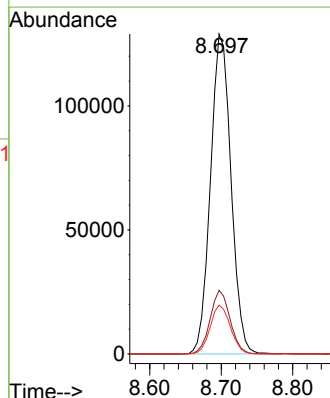
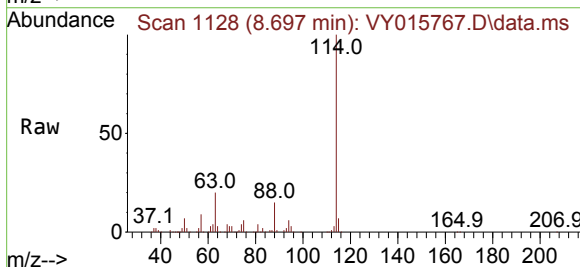
Tgt Ion:114 Resp: 257400

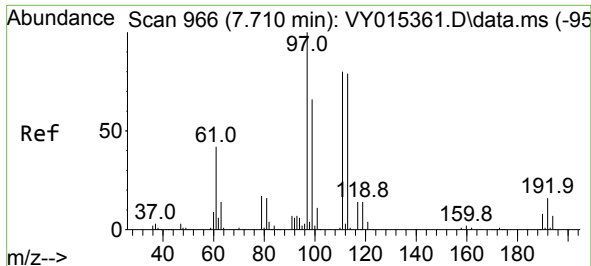
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.2 0.0 30.6

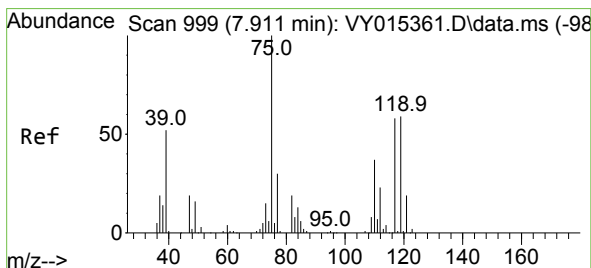
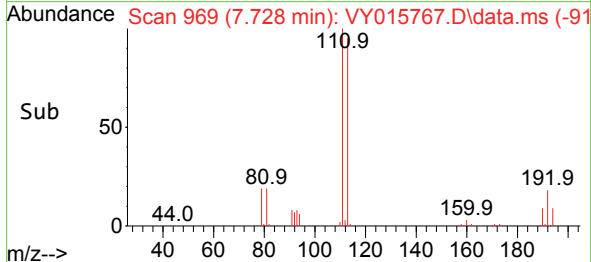
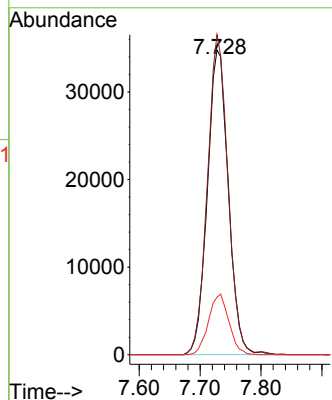
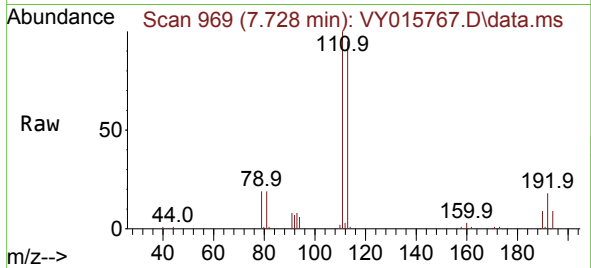




#35
Dibromofluoromethane
Concen: 54.025 ug/l
RT: 7.728 min Scan# 901
Delta R.T. 0.012 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

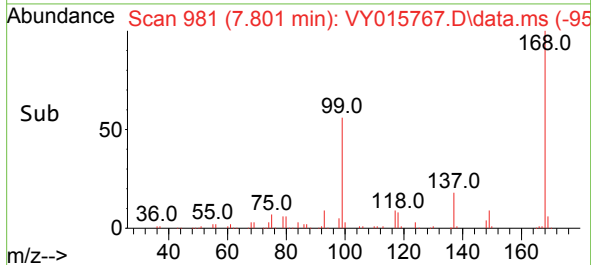
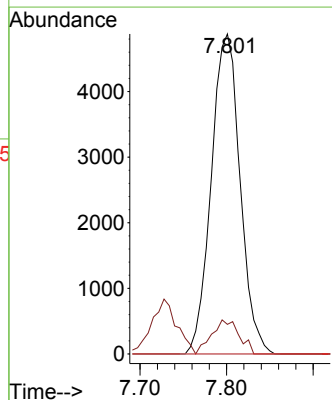
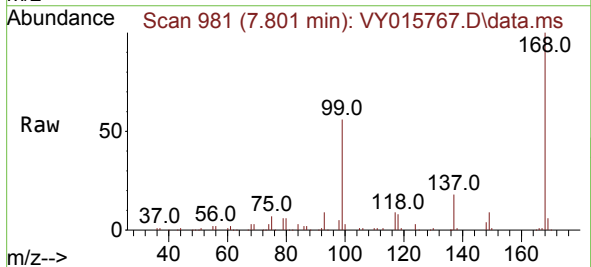
Instrument :
MSVOA_Y
ClientSampleId :

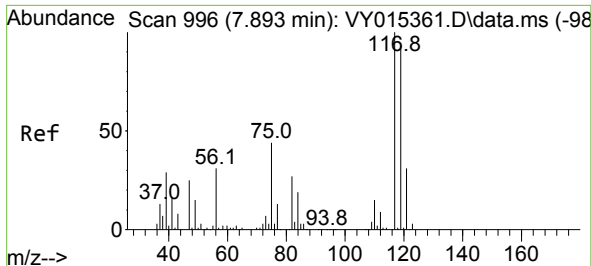
Tgt Ion:113 Resp: 83233
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.951 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

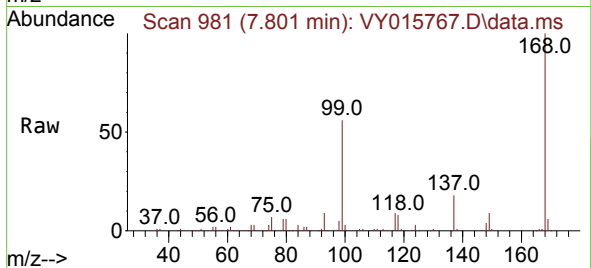
Tgt Ion: 75 Resp: 11277
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#



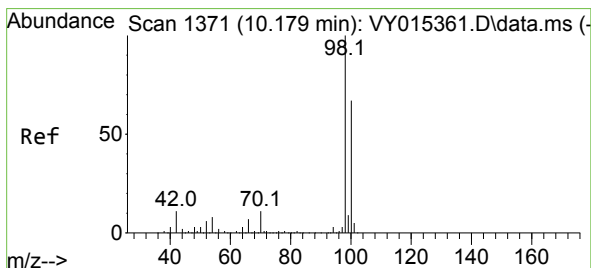
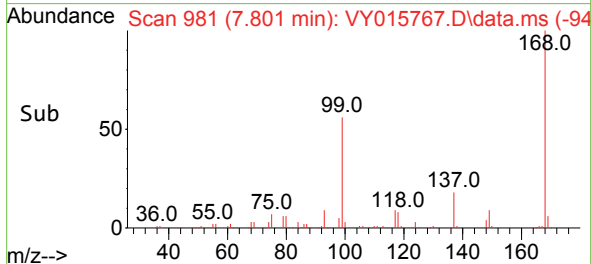
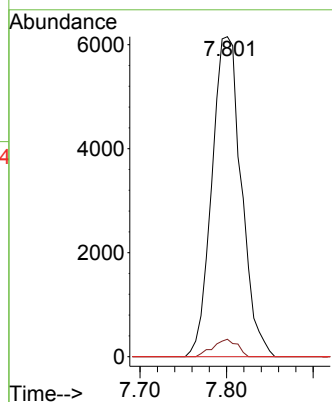


#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.092 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

Instrument :
MSVOA_Y
ClientSampleId :

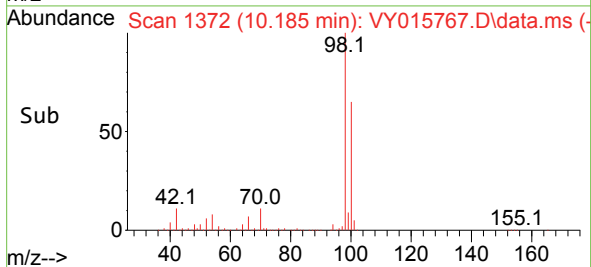
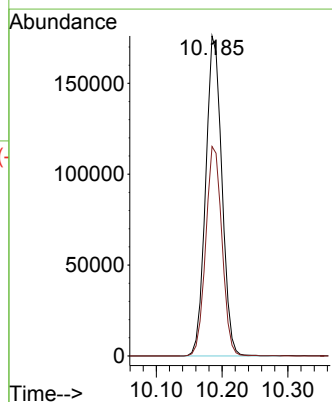
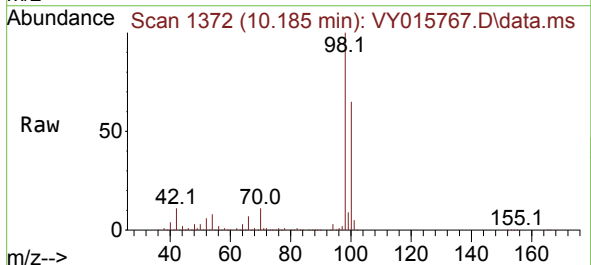


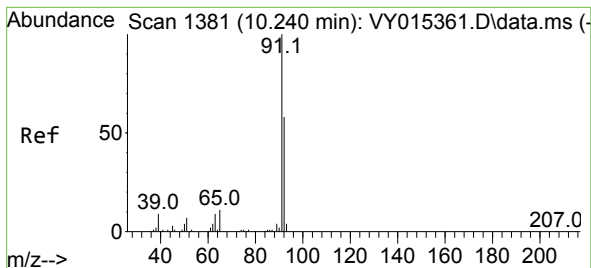
Tgt Ion:117 Resp: 14560
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 57.827 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

Tgt Ion: 98 Resp: 302071
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1





#52

Toluene

Concen: 1.228 ug/l

RT: 10.252 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

Instrument :

MSVOA_Y

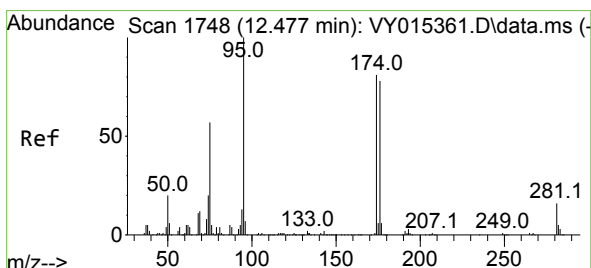
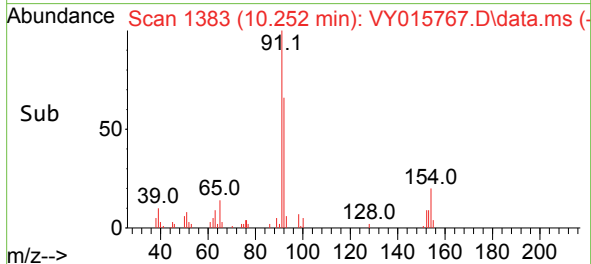
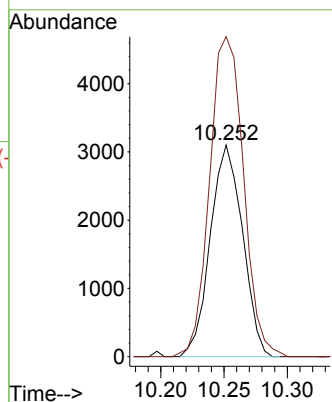
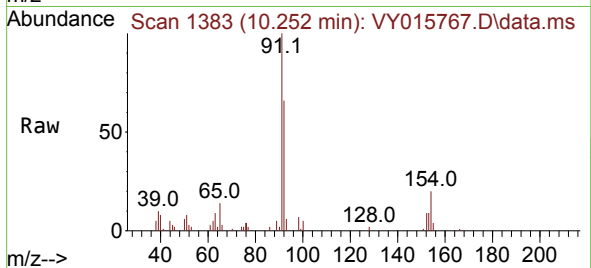
ClientSampleId :

Tgt Ion: 92 Resp: 5499

Ion Ratio Lower Upper

92 100

91 159.1 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 50.446 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.012 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

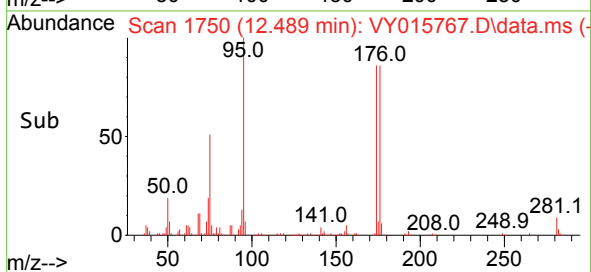
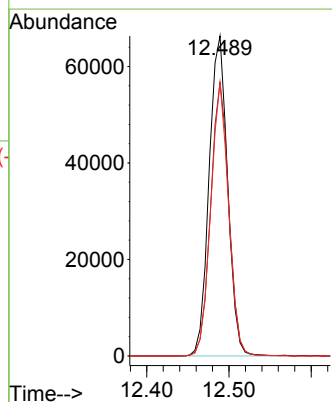
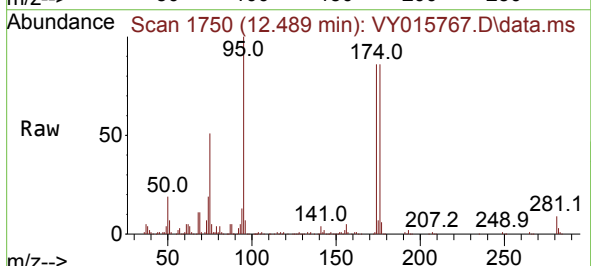
Tgt Ion: 95 Resp: 103412

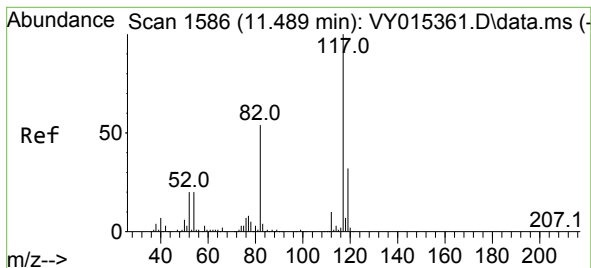
Ion Ratio Lower Upper

95 100

174 84.4 0.0 178.2

176 82.5 0.0 173.8

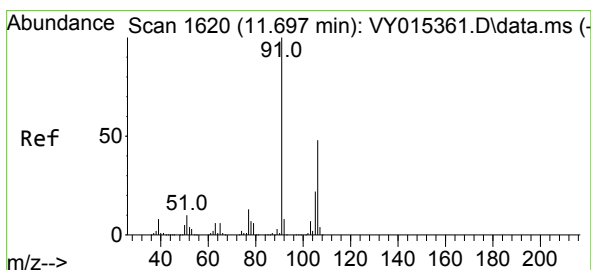
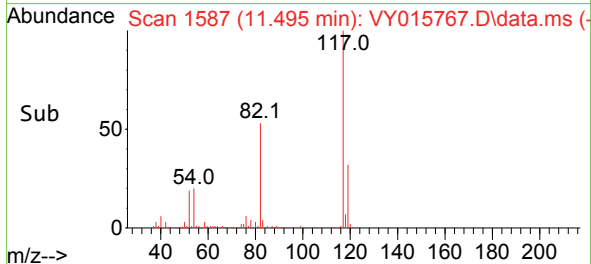
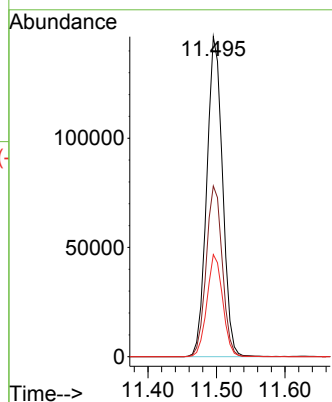
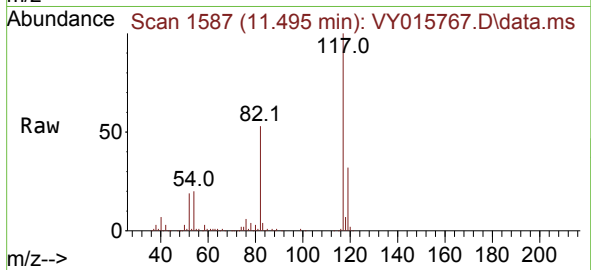




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

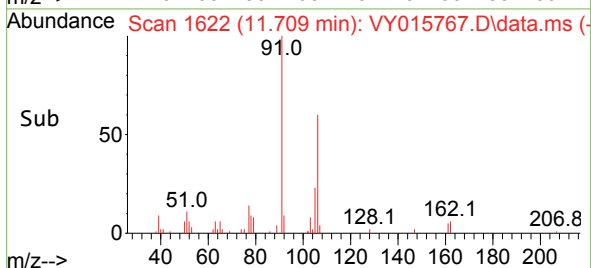
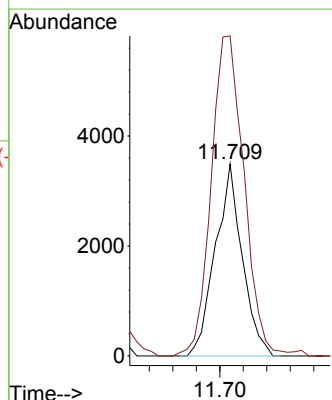
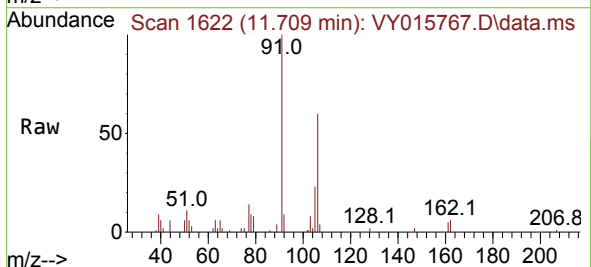
Instrument :
MSVOA_Y
ClientSampleId :

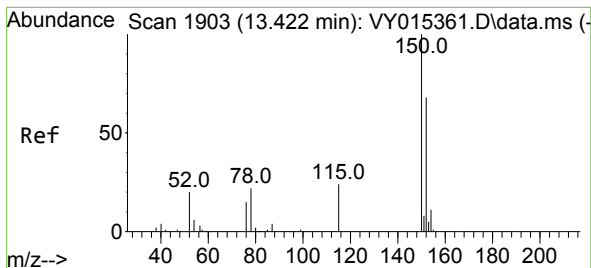
Tgt Ion:117 Resp: 235602
Ion Ratio Lower Upper
117 100
82 53.4 43.4 65.0
119 31.9 26.3 39.5



#68
m/p-Xylenes
Concen: 1.627 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

Tgt Ion:106 Resp: 5558
Ion Ratio Lower Upper
106 100
91 204.0 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1903

Delta R.T. 0.012 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

Instrument :

MSVOA_Y

ClientSampleId :

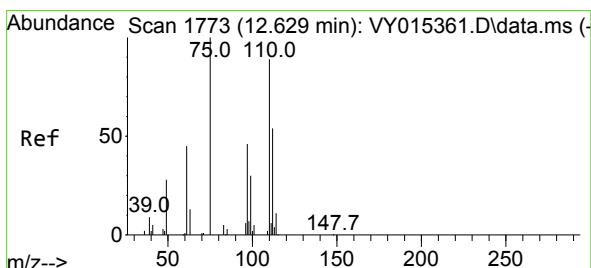
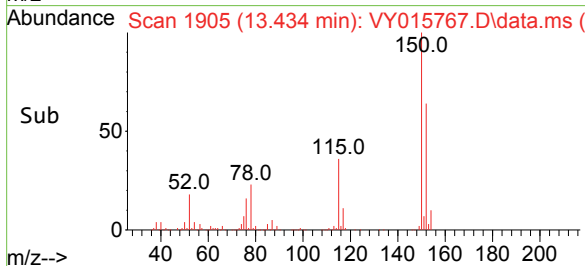
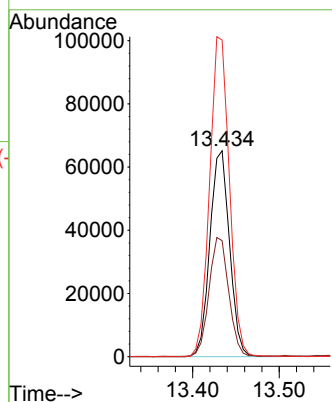
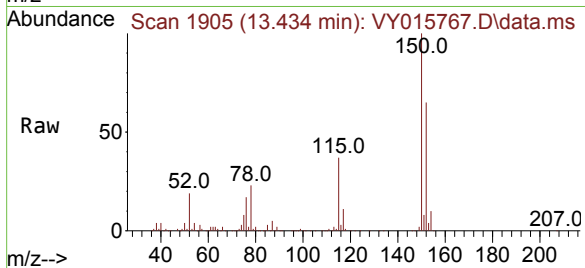
Tgt Ion:152 Resp: 102679

Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 156.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 33.566 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.140 min

Lab File: VY015767.D

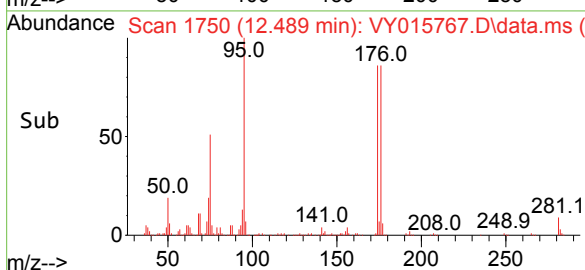
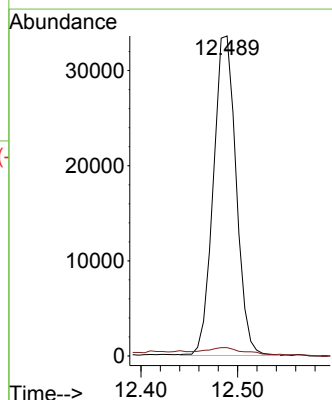
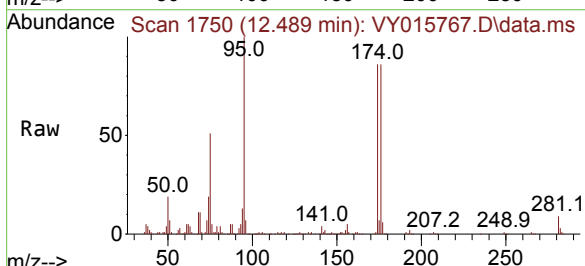
Acq: 29 Sep 2023 20:36

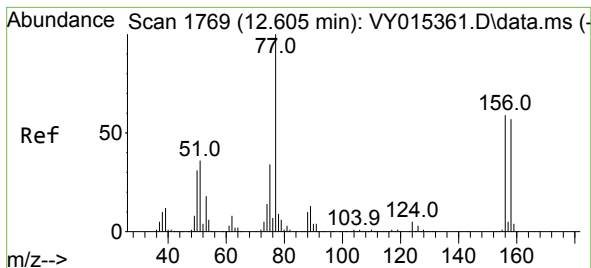
Tgt Ion: 75 Resp: 54983

Ion Ratio Lower Upper

75 100

77 5.3 0.0 0.0#





#77

Bromobenzene

Concen: 7.720 ug/l

RT: 12.422 min Scan# 1

Delta R.T. -0.183 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

Instrument :

MSVOA_Y

ClientSampleId :

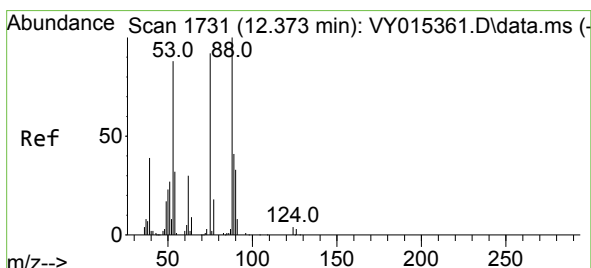
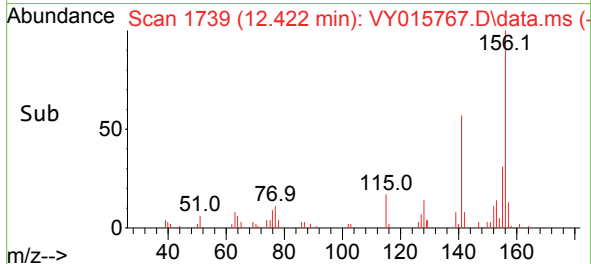
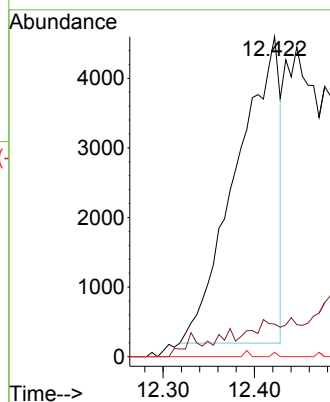
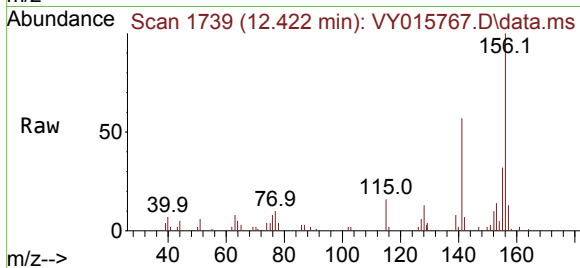
Tgt Ion:156 Resp: 14597

Ion Ratio Lower Upper

156 100

77 6.0 92.8 278.6#

158 0.2 48.4 145.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 75.587 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.109 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

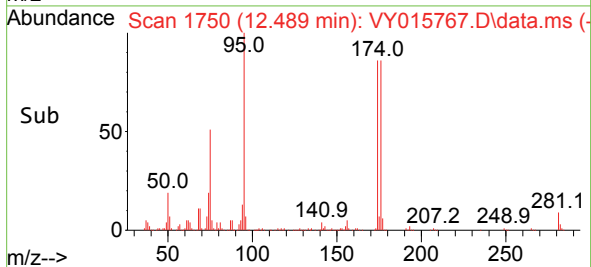
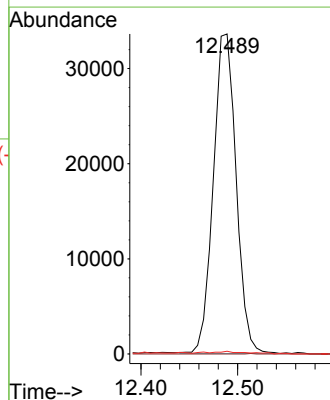
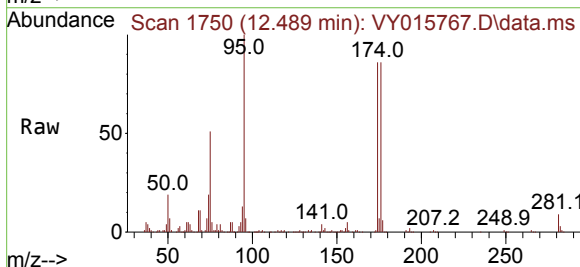
Tgt Ion: 75 Resp: 54983

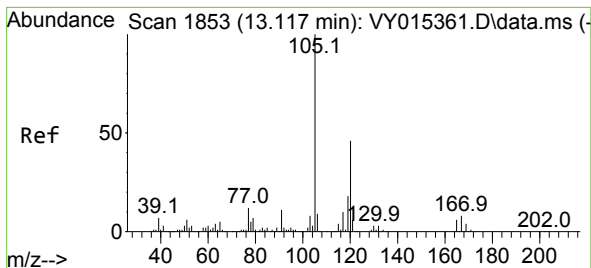
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 1.1 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.175 ug/l

RT: 13.123 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

Instrument :

MSVOA_Y

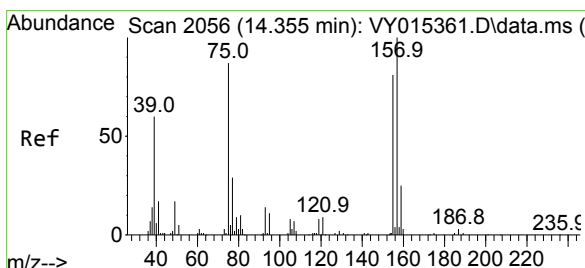
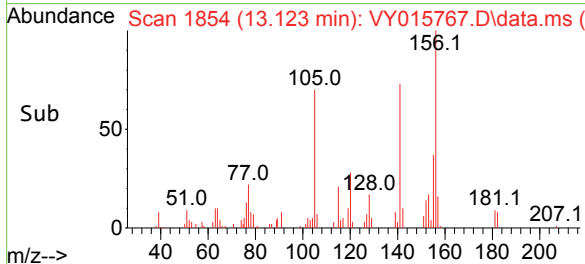
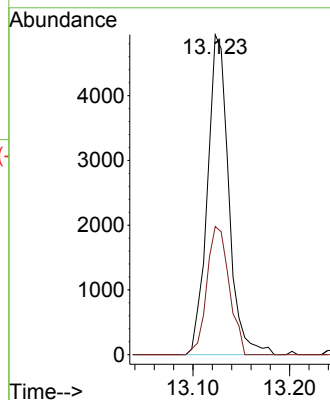
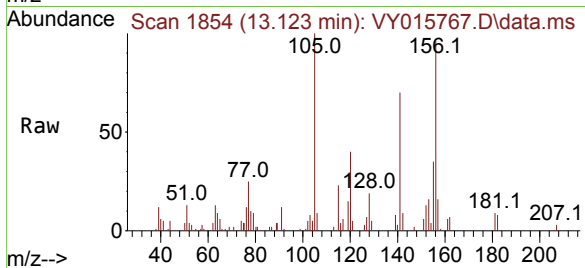
ClientSampleId :

Tgt Ion:105 Resp: 7578

Ion Ratio Lower Upper

105 100

120 41.8 22.2 66.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.005 ug/l

RT: 14.306 min Scan# 2048

Delta R.T. -0.049 min

Lab File: VY015767.D

Acq: 29 Sep 2023 20:36

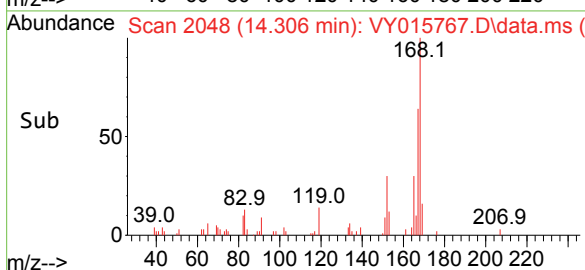
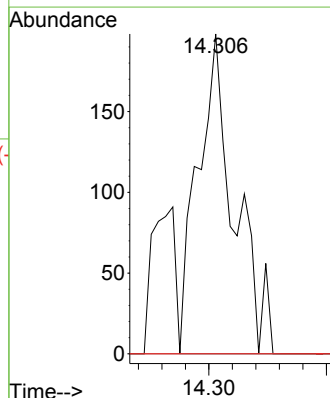
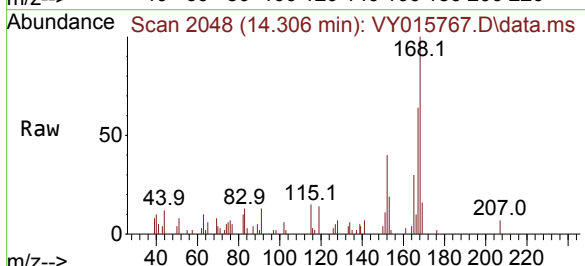
Tgt Ion: 75 Resp: 428

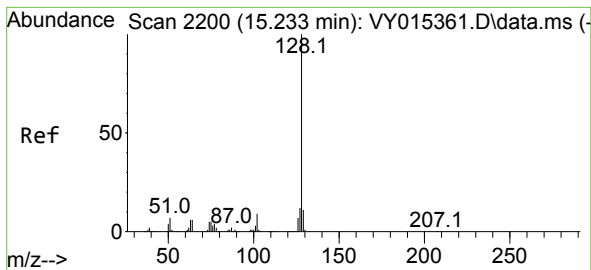
Ion Ratio Lower Upper

75 100

155 0.0 41.5 124.6#

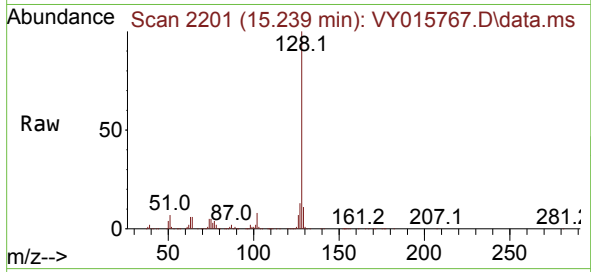
157 0.0 51.8 155.5#





#95
Naphthalene
Concen: 71.270 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015767.D
Acq: 29 Sep 2023 20:36

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 405106
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 10.8 8.6 13.0

