

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY063022\
 Data File : VY009408.D
 Acq On : 30 Jun 2022 21:04
 Operator : KP/MD
 Sample : N3550-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

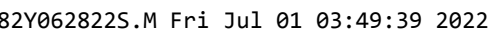
Quant Time: Jul 01 03:49:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 17:35:34 2022
 Response via : Initial Calibration

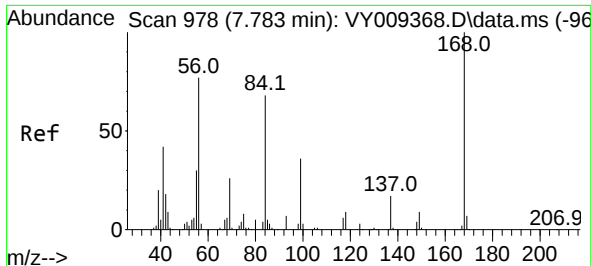
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.783	168	129393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	220787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	211847	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	106973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	57679	55.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.300%			
35) Dibromofluoromethane	7.710	113	42779	35.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 70.400%			
50) Toluene-d8	10.173	98	194933	52.321	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.640%			
62) 4-Bromofluorobenzene	12.477	95	68139	38.562	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.120%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.918	59	799	Below Cal	#	77
16) Acetone	3.948	43	2949	8.664	ug/l	99
18) Methyl Acetate	4.485	43	22	Below Cal	#	56
20) Methylene Chloride	4.698	84	5101	Below Cal	#	85
25) 2-Butanone	6.972	43	2116	3.921	ug/l	98
31) Cyclohexane	7.783	56	2891	1.240	ug/l	# 13
36) 1,1-Dichloropropene	7.783	75	10368	4.880	ug/l	# 50
37) Ethyl Acetate	6.972	43	2116	1.679	ug/l	# 12
38) Carbon Tetrachloride	7.777	117	12445	5.604	ug/l	# 14
55) 1,1,2-Trichloroethane	10.618	97	2012	1.677	ug/l	# 21
59) 2-Hexanone	10.795	43	1901	2.307	ug/l	# 34
69) o-Xylene	12.020	106	3014	1.016	ug/l	96
74) N-amyl acetate	12.117	43	7840	3.783	ug/l	# 70
78) n-propylbenzene	12.666	91	26684	2.776	ug/l	100
79) 2-Chlorotoluene	12.764	91	8133	1.499	ug/l	# 41
80) 1,3,5-Trimethylbenzene	12.806	105	159887	24.198	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	37299	66.291	ug/l	# 8
82) 4-Chlorotoluene	12.806	91	18267	3.240	ug/l	# 42
83) tert-Butylbenzene	13.117	119	25100	4.521	ug/l	# 70
84) 1,2,4-Trimethylbenzene	13.117	105	194563	30.987	ug/l	95
90) Hexachloroethane	13.971	117	1466	1.052	ug/l	# 6

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

Quant Time: Jul 01 03:49:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062822S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 17:35:34 2022
Response via : Initial Calibration

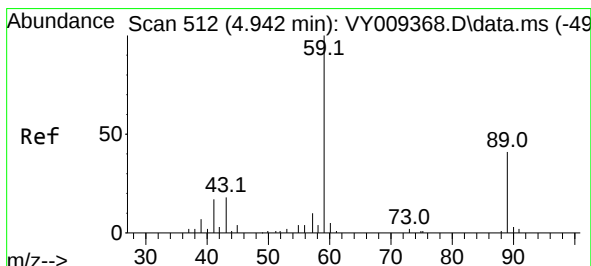
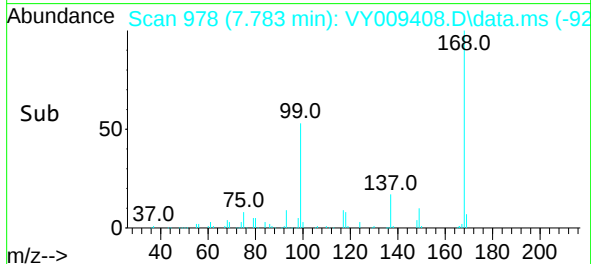
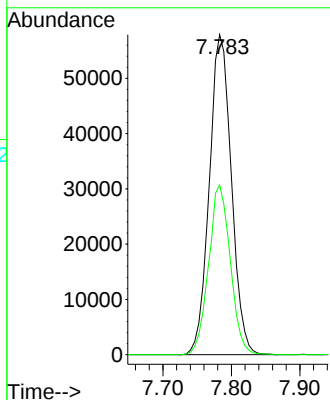
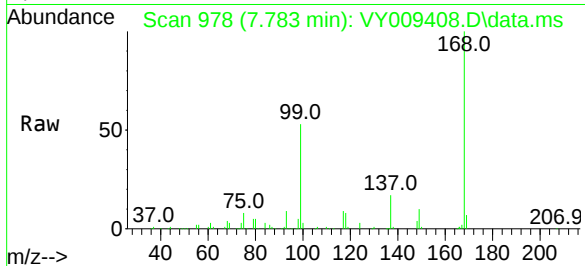




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

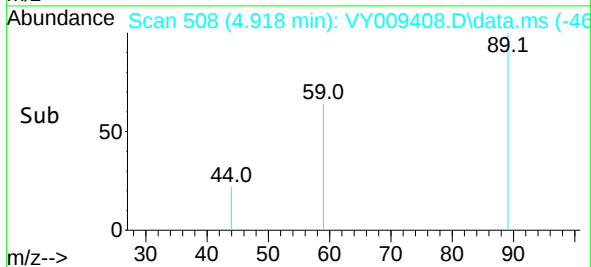
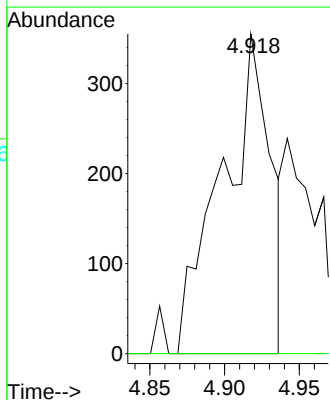
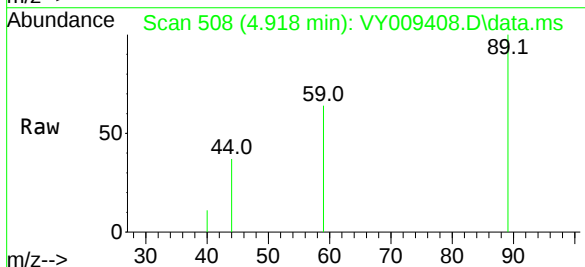
Instrument :
MSVOA_Y
ClientSampleId :

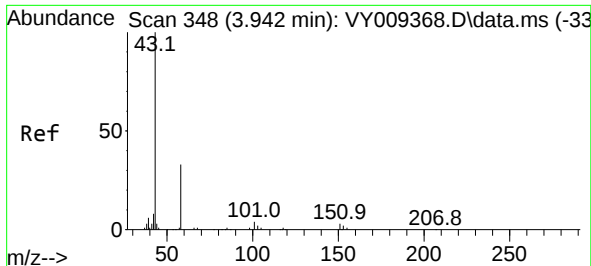
Tgt Ion:168 Resp: 129393
Ion Ratio Lower Upper
168 100
99 53.1 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.918 min Scan# 508
Delta R.T. -0.024 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Tgt Ion: 59 Resp: 799
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 8.664 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY009408.D

Acq: 30 Jun 2022 21:04

Instrument :

MSVOA_Y

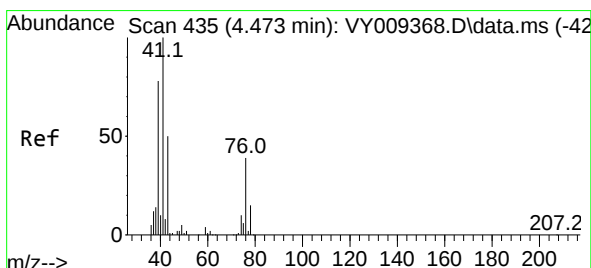
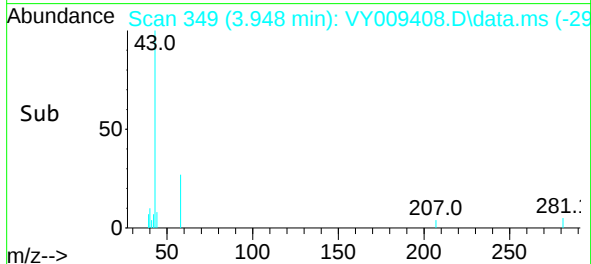
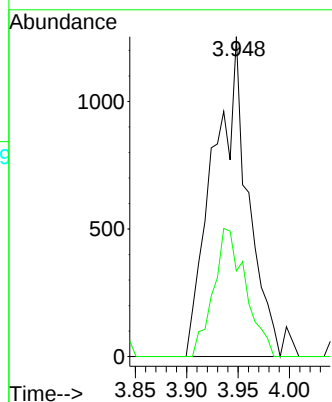
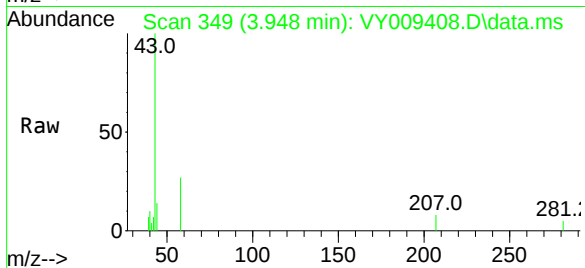
ClientSampleId :

Tgt Ion: 43 Resp: 2949

Ion Ratio Lower Upper

43 100

58 26.8 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 437

Delta R.T. 0.012 min

Lab File: VY009408.D

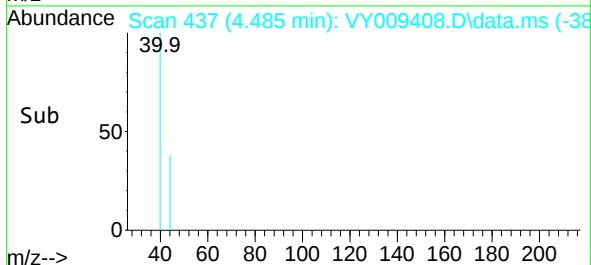
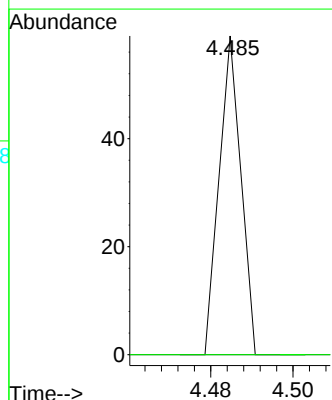
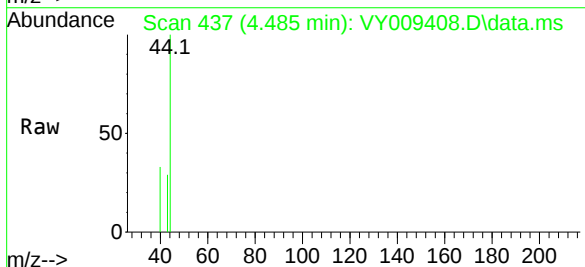
Acq: 30 Jun 2022 21:04

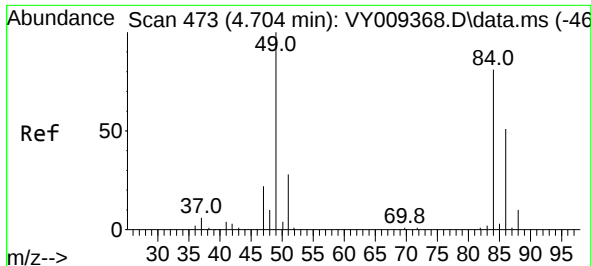
Tgt Ion: 43 Resp: 22

Ion Ratio Lower Upper

43 100

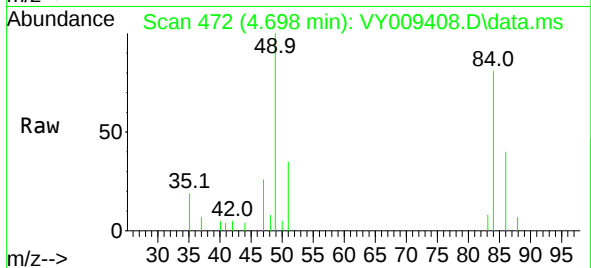
74 0.0 16.6 24.8#



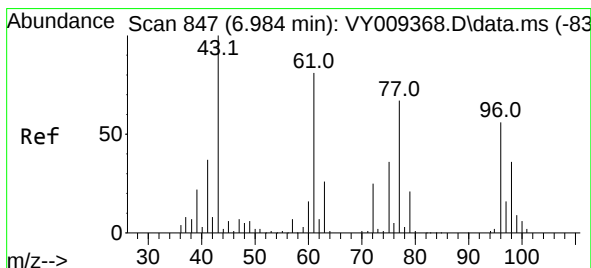
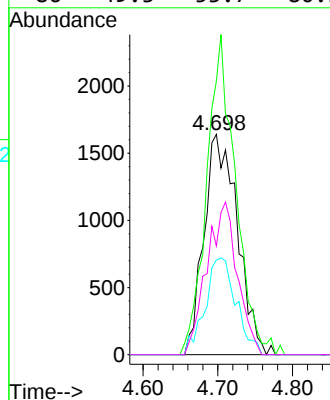
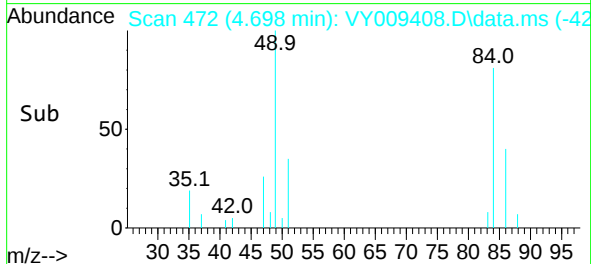


#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Instrument :
MSVOA_Y
ClientSampleId :

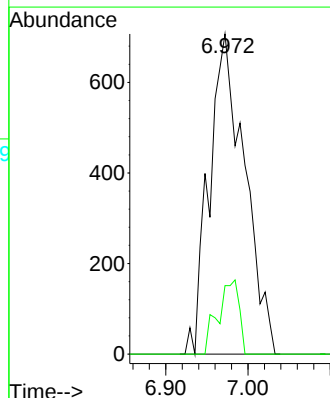
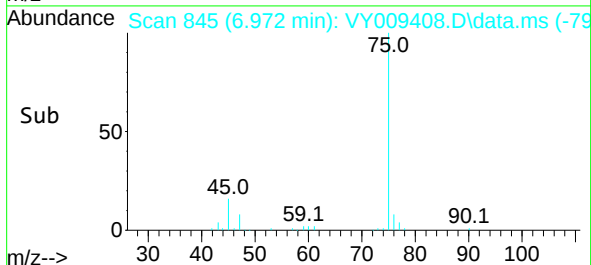
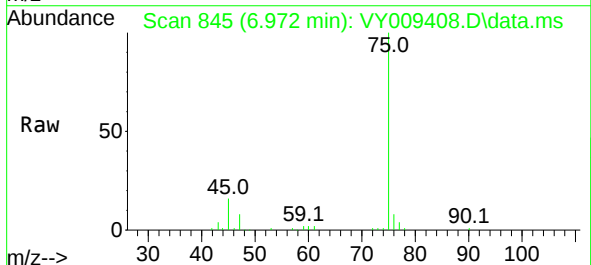


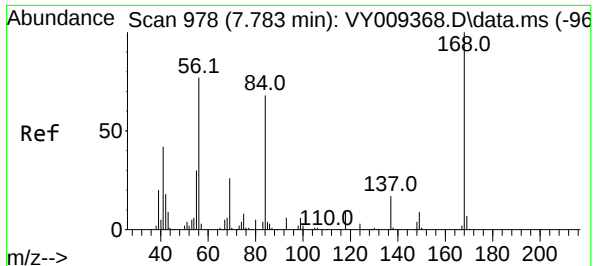
Tgt Ion: 84 Resp: 5101
Ion Ratio Lower Upper
84 100
49 124.2 114.4 171.6
51 42.9 35.3 52.9
86 49.3 53.7 80.5#



#25
2-Butanone
Concen: 3.921 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

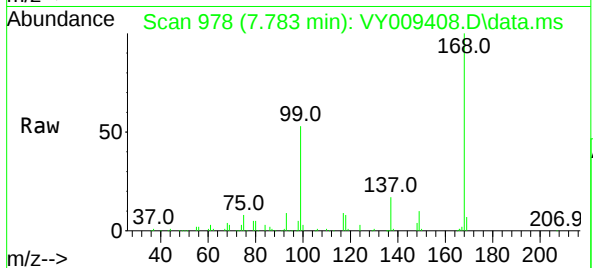
Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
72 21.4 17.7 26.5



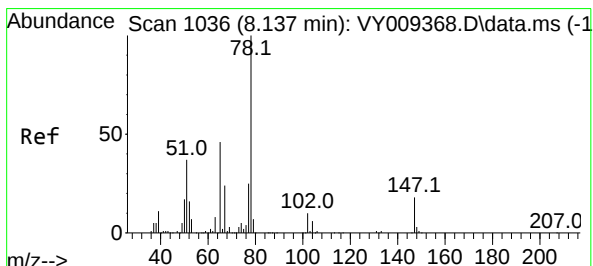
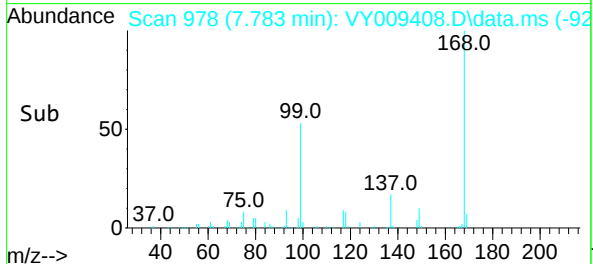
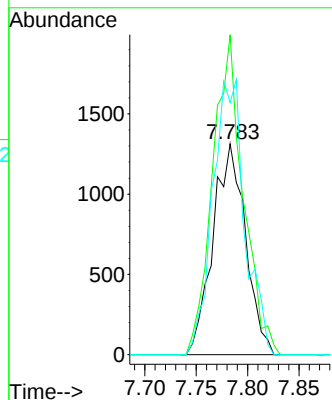


#31
Cyclohexane
Concen: 1.240 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Instrument :
MSVOA_Y
ClientSampleId :

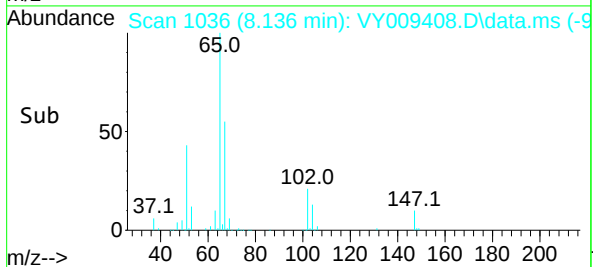
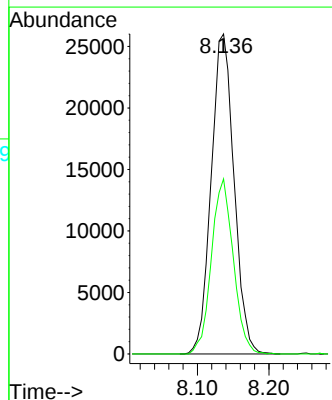
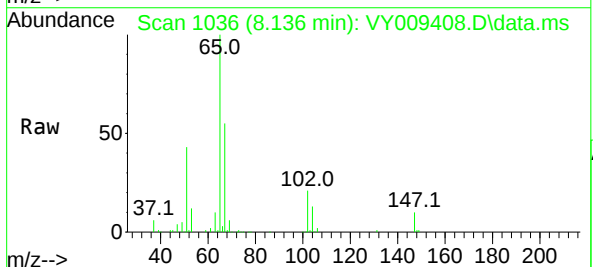


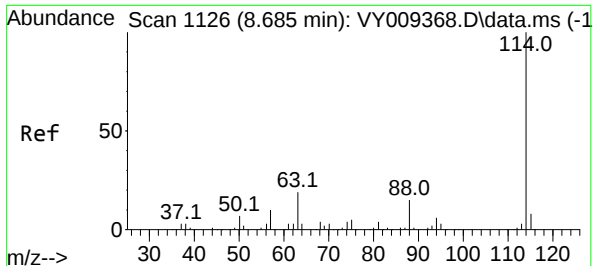
Tgt Ion: 56 Resp: 2891
Ion Ratio Lower Upper
56 100
69 151.8 26.7 40.1#
84 119.5 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.654 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Tgt Ion: 65 Resp: 57679
Ion Ratio Lower Upper
65 100
67 52.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009408.D

Acq: 30 Jun 2022 21:04

Instrument :

MSVOA_Y

ClientSampleId :

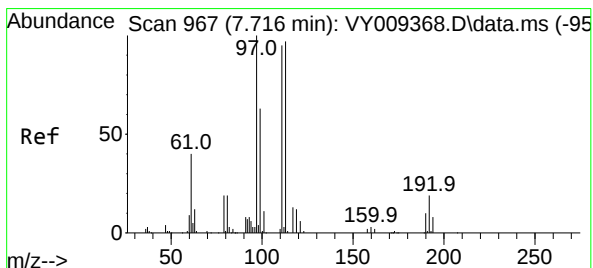
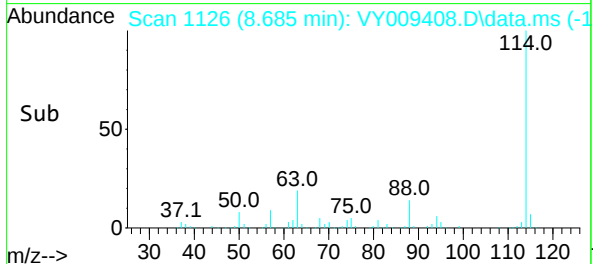
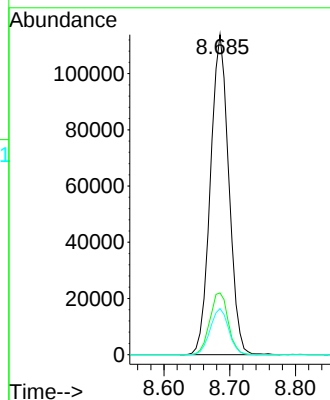
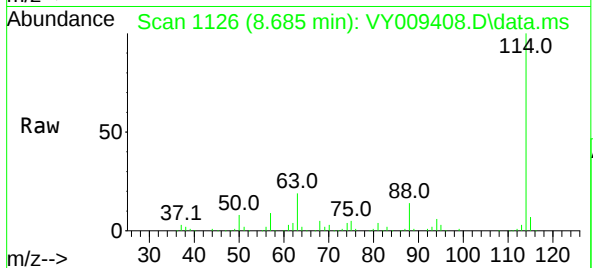
Tgt Ion:114 Resp: 220787

Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 35.204 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009408.D

Acq: 30 Jun 2022 21:04

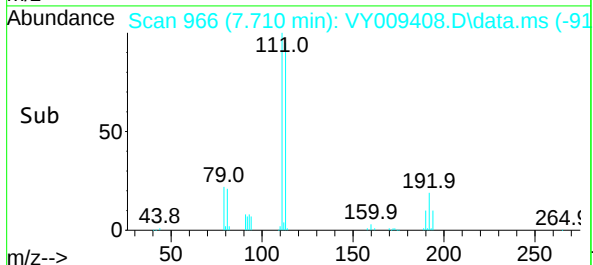
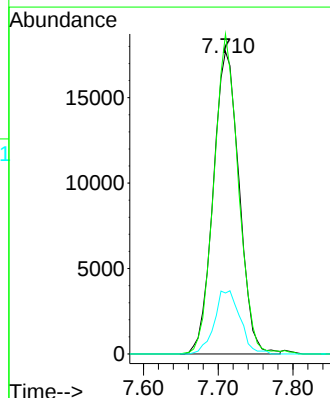
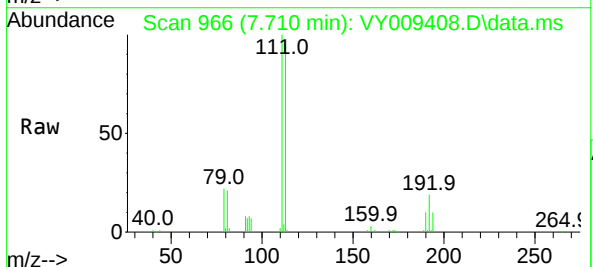
Tgt Ion:113 Resp: 42779

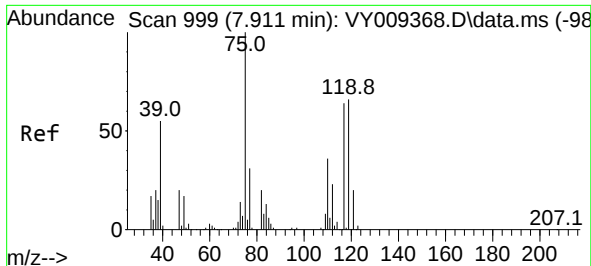
Ion Ratio Lower Upper

113 100

111 100.0 82.6 124.0

192 20.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

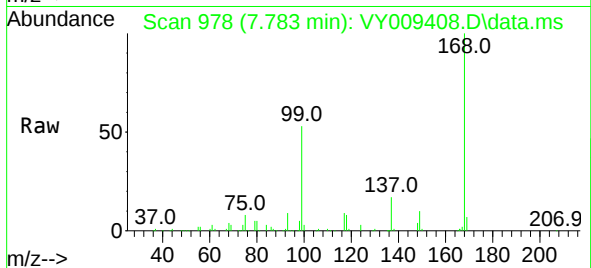
Lab File: VY009408.D

Acq: 30 Jun 2022 21:04

Instrument :

MSVOA_Y

ClientSampleId :



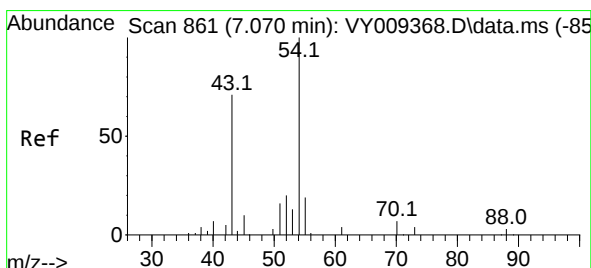
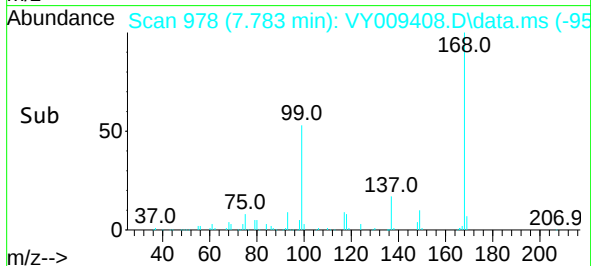
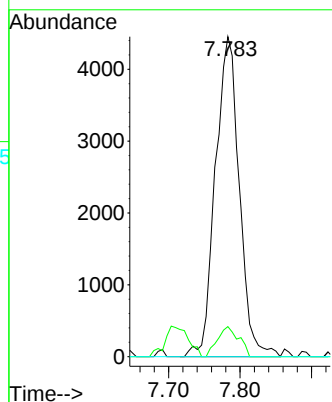
Tgt Ion: 75 Resp: 10368

Ion Ratio Lower Upper

75 100

110 8.4 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.679 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY009408.D

Acq: 30 Jun 2022 21:04

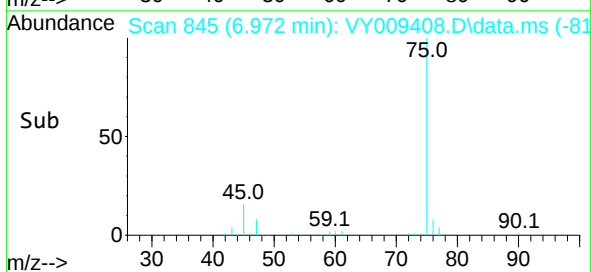
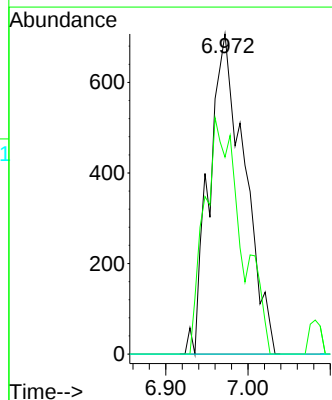
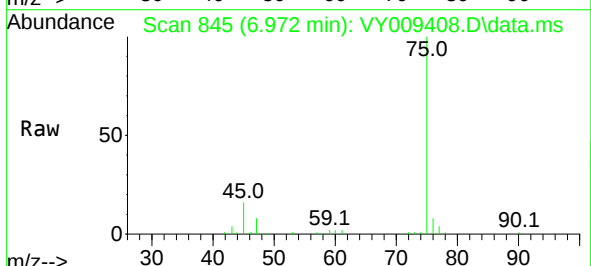
Tgt Ion: 43 Resp: 2116

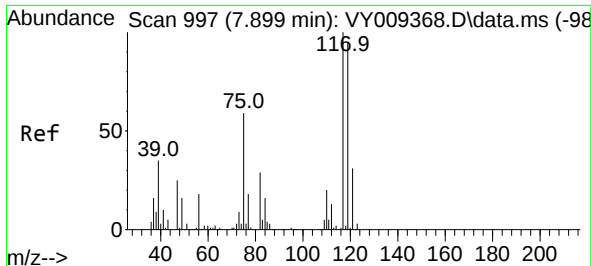
Ion Ratio Lower Upper

43 100

61 64.7 9.7 14.5#

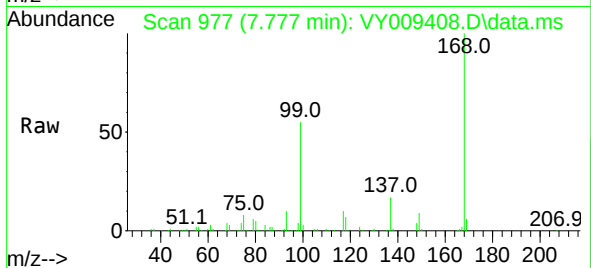
70 0.0 7.1 10.7#



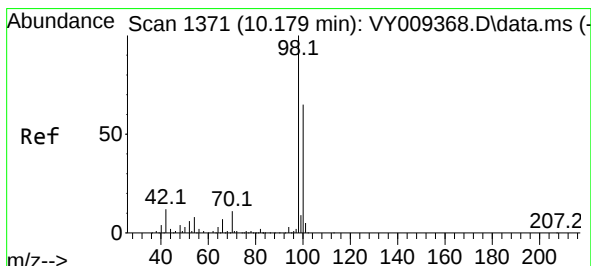
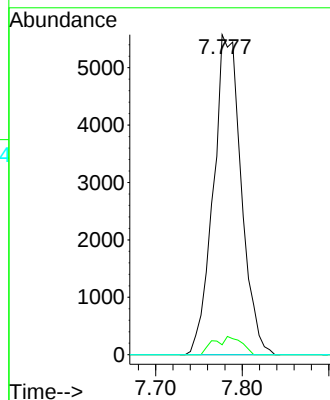
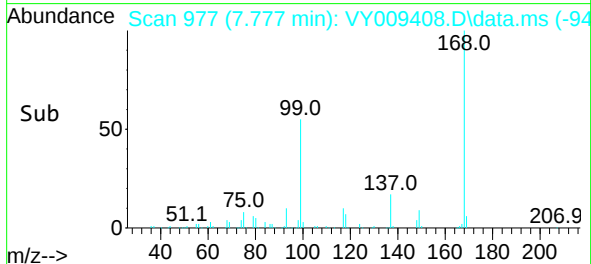


#38
Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Instrument :
MSVOA_Y
ClientSampleId :

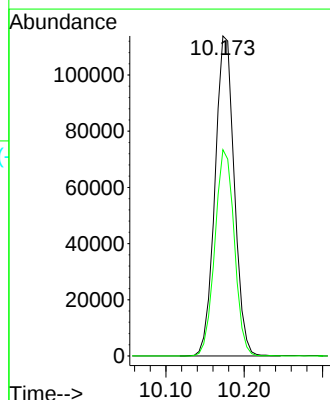
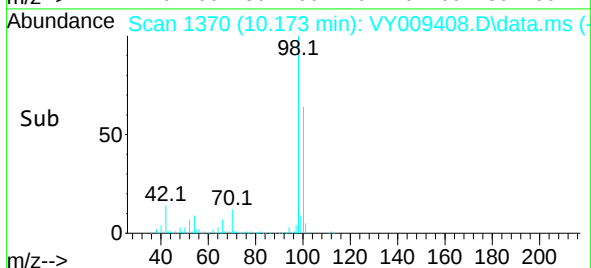
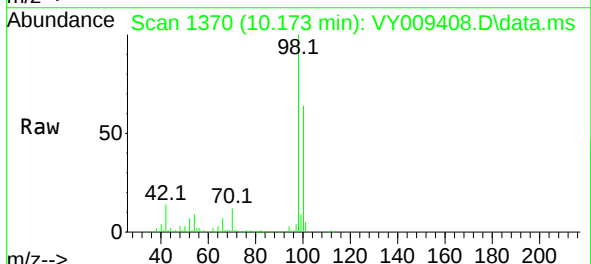


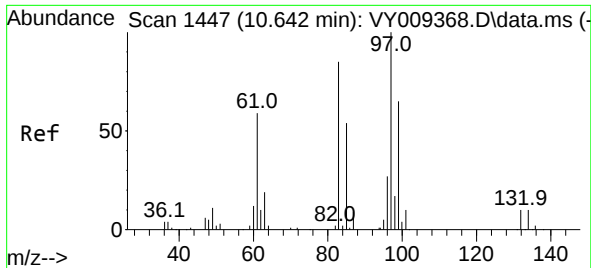
Tgt Ion:117 Resp: 12445
Ion Ratio Lower Upper
117 100
119 3.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.321 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

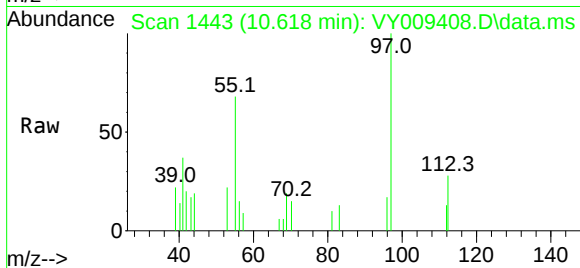
Tgt Ion: 98 Resp: 194933
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



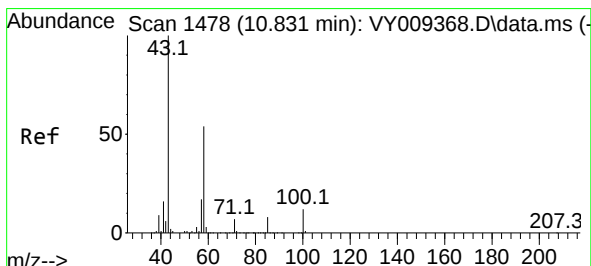
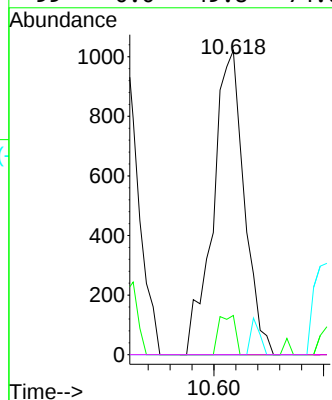
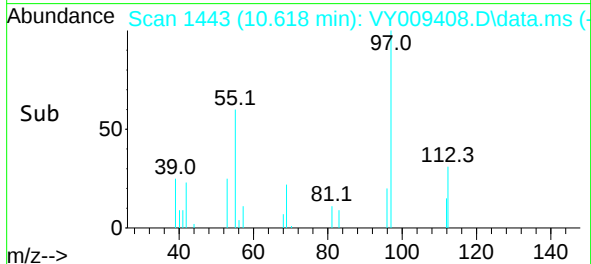


#55
 1,1,2-Trichloroethane
 Concen: 1.677 ug/l
 RT: 10.618 min Scan# 1443
 Delta R.T. -0.024 min
 Lab File: VY009408.D
 Acq: 30 Jun 2022 21:04

Instrument :
 MSVOA_Y
 ClientSampleId :

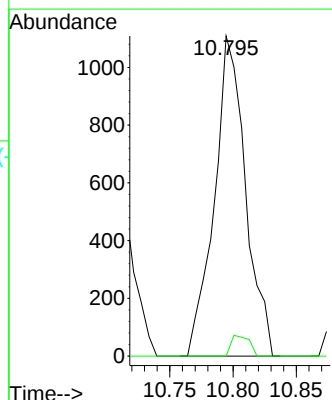
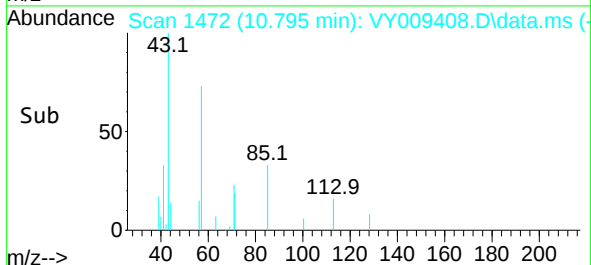
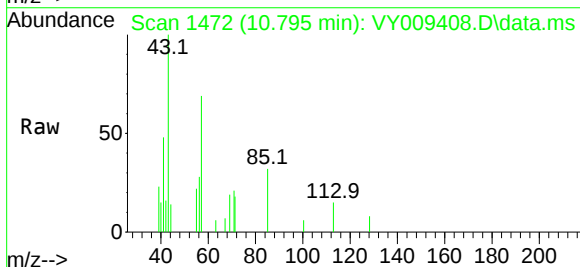


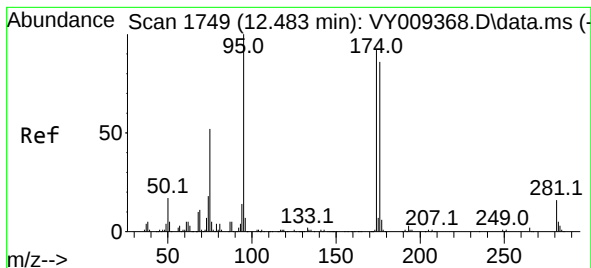
Tgt Ion: 97	Resp: 2012
Ion Ratio	Lower Upper
97 100	
83 12.9	69.8 104.8#
85 0.0	44.3 66.5#
99 0.0	49.8 74.6#



#59
 2-Hexanone
 Concen: 2.307 ug/l
 RT: 10.795 min Scan# 1472
 Delta R.T. -0.036 min
 Lab File: VY009408.D
 Acq: 30 Jun 2022 21:04

Tgt Ion: 43	Resp: 1901
Ion Ratio	Lower Upper
43 100	
58 3.7	24.4 73.4#

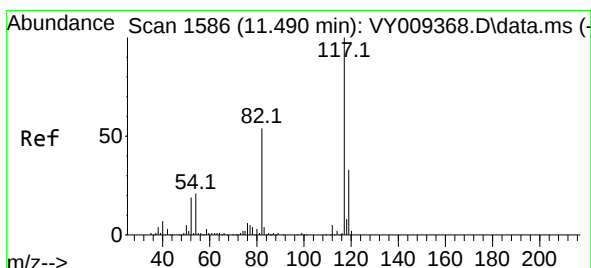
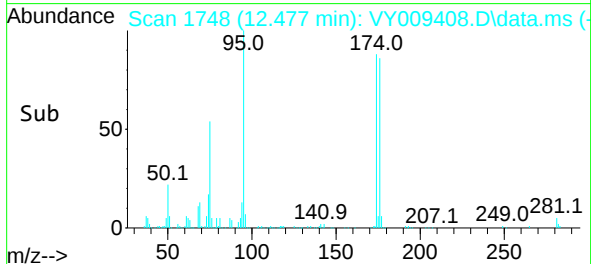
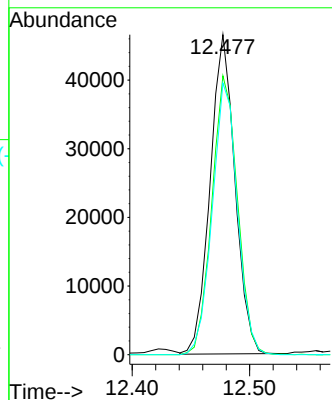
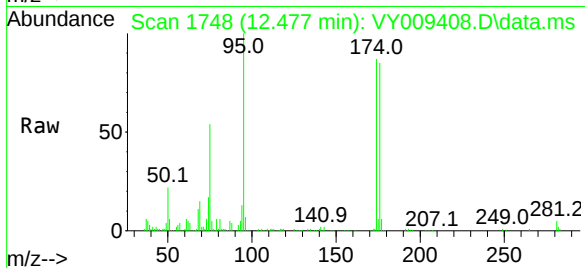




#62
4-Bromofluorobenzene
Concen: 38.562 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

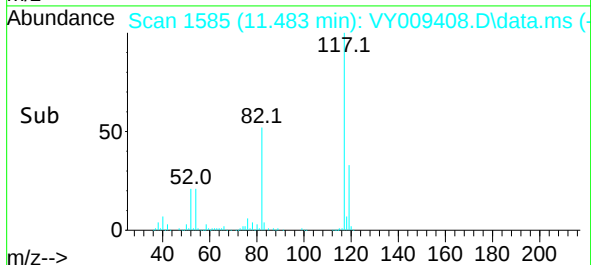
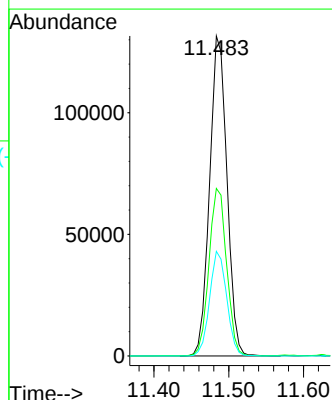
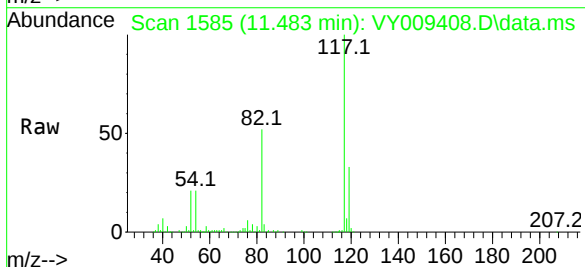
Instrument :
MSVOA_Y
ClientSampleId :

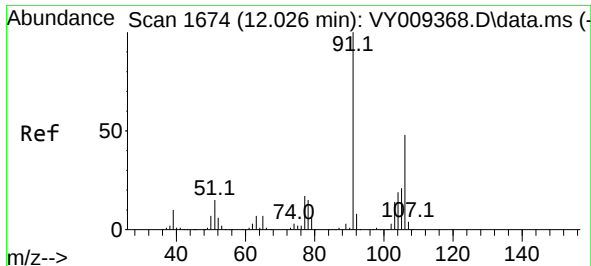
Tgt Ion: 95 Resp: 68139
Ion Ratio Lower Upper
95 100
174 90.0 0.0 177.0
176 86.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 1585
Delta R.T. -0.007 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Tgt Ion: 117 Resp: 211847
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.7 25.4 38.0

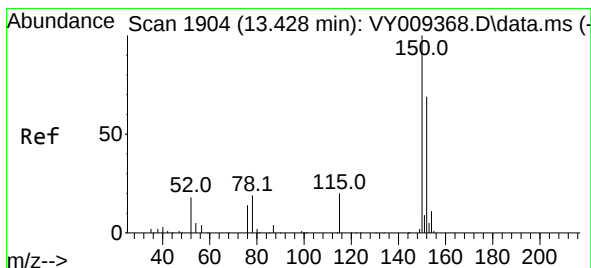
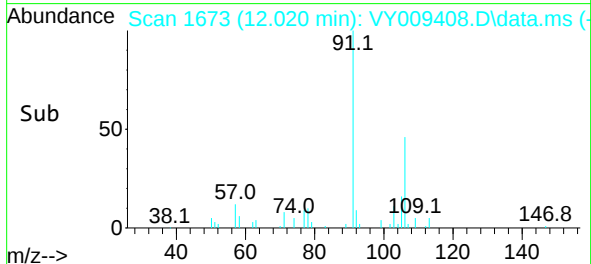
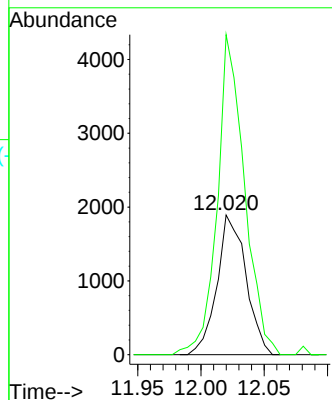
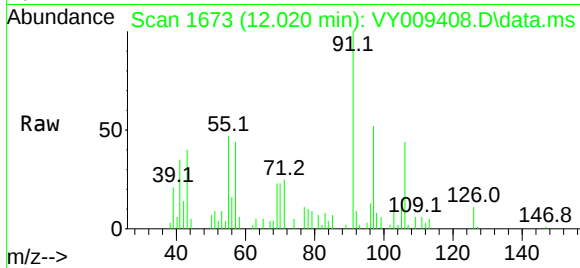




#69
o-Xylene
Concen: 1.016 ug/l
RT: 12.020 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

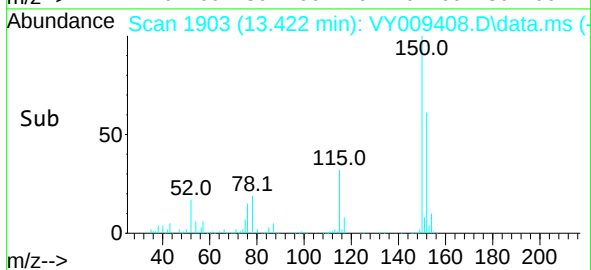
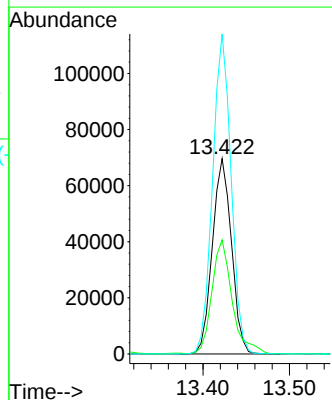
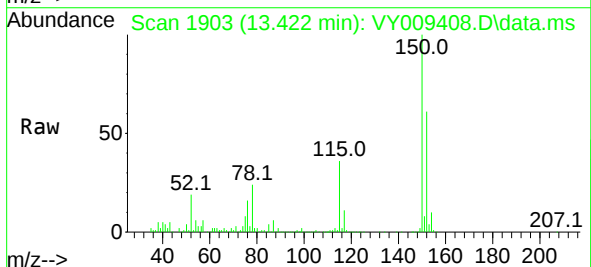
Instrument :
MSVOA_Y
ClientSampleId :

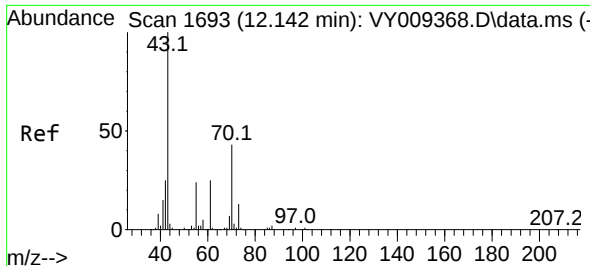
Tgt Ion:106 Resp: 3014
Ion Ratio Lower Upper
106 100
91 215.0 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

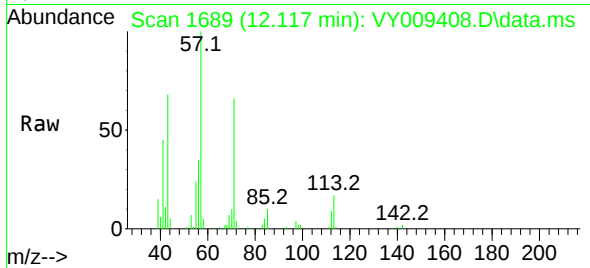
Tgt Ion:152 Resp: 106973
Ion Ratio Lower Upper
152 100
115 61.8 28.2 84.7
150 158.2 0.0 347.6



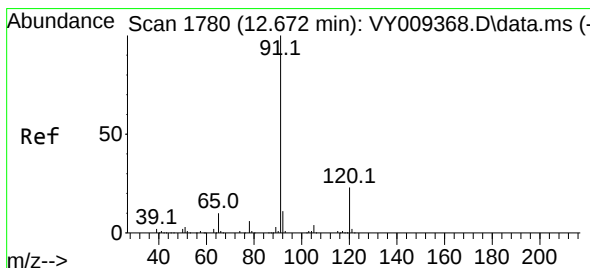
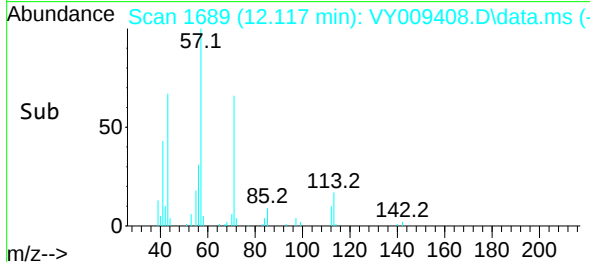
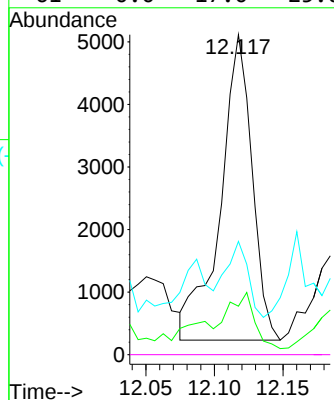


#74
N-amy1 acetate
Concen: 3.783 ug/l
RT: 12.117 min Scan# 1779
Delta R.T. -0.025 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Instrument :
MSVOA_Y
ClientSampleId :

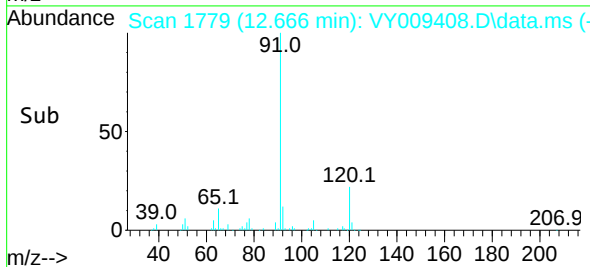
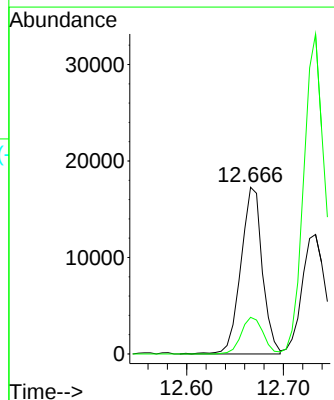
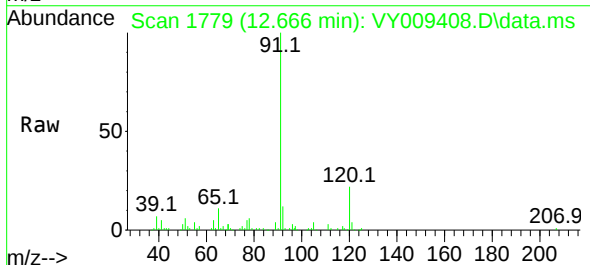


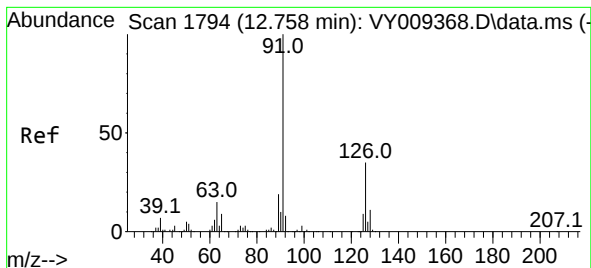
Tgt Ion: 43 Resp: 7840
Ion Ratio Lower Upper
43 100
70 15.6 28.7 43.1#
55 17.5 17.3 25.9
61 0.0 17.0 25.6#



#78
n-propylbenzene
Concen: 2.776 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Tgt Ion: 91 Resp: 26684
Ion Ratio Lower Upper
91 100
120 22.5 11.3 33.9

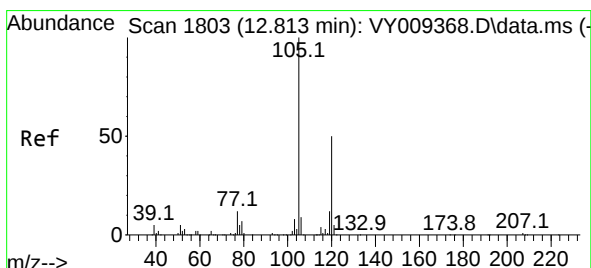
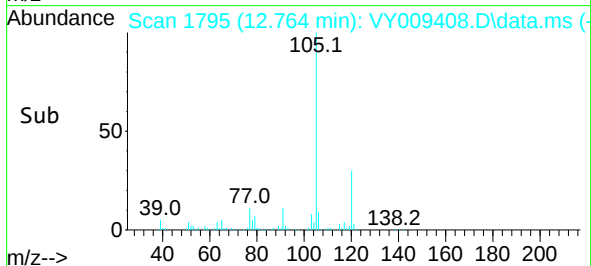
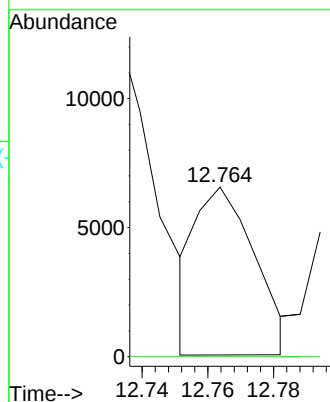
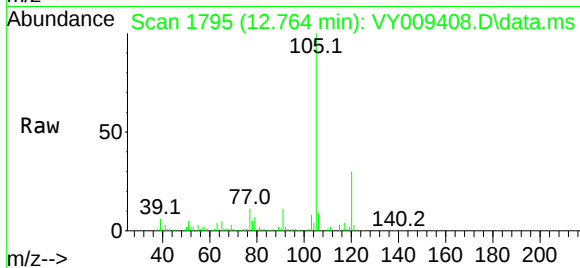




#79
2-Chlorotoluene
Concen: 1.499 ug/l
RT: 12.764 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

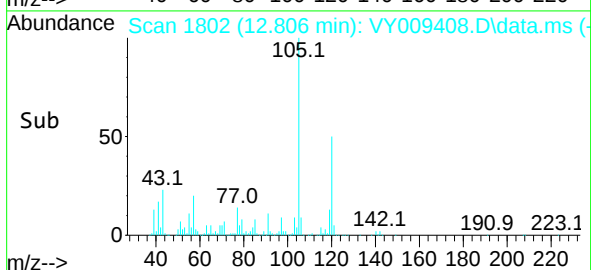
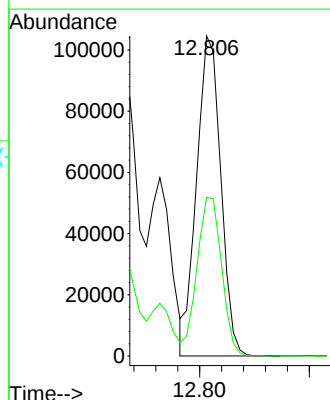
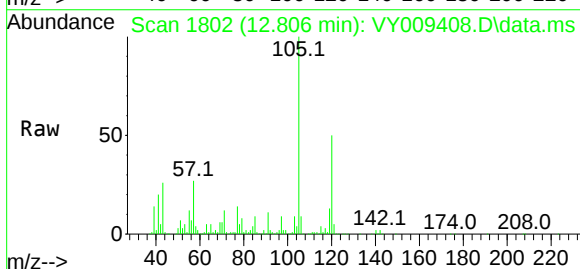
Instrument :
MSVOA_Y
ClientSampleId :

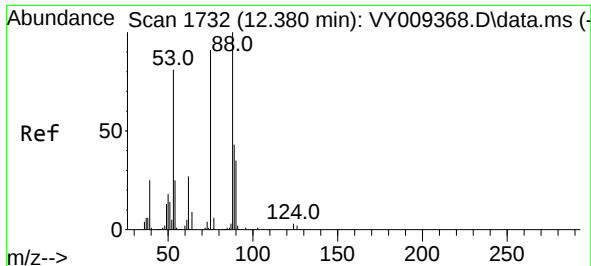
Tgt Ion: 91 Resp: 8133
Ion Ratio Lower Upper
91 100
126 0.0 16.9 50.6#



#80
1,3,5-Trimethylbenzene
Concen: 24.198 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Tgt Ion: 105 Resp: 159887
Ion Ratio Lower Upper
105 100
120 50.6 24.4 73.4

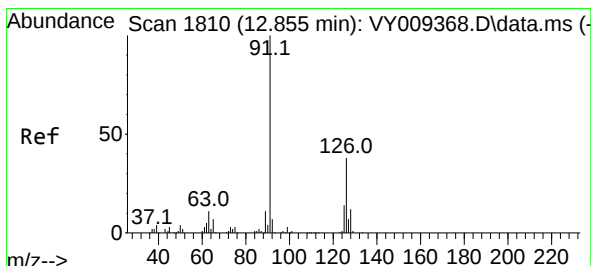
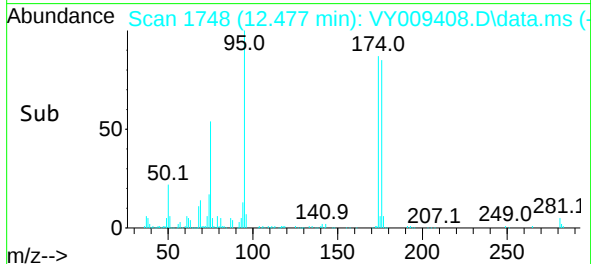
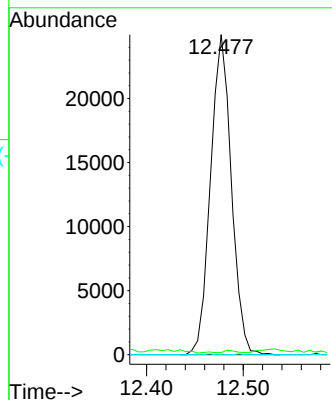
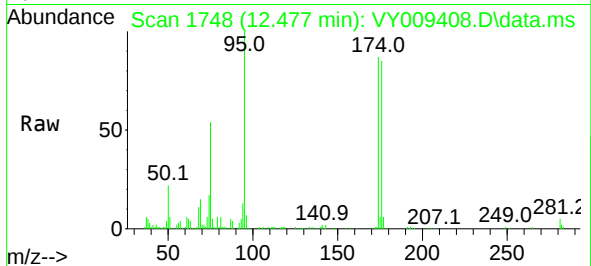




#81
trans-1,4-Dichloro-2-butene
Concen: 66.291 ug/l
RT: 12.477 min Scan# 1732
Delta R.T. 0.103 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

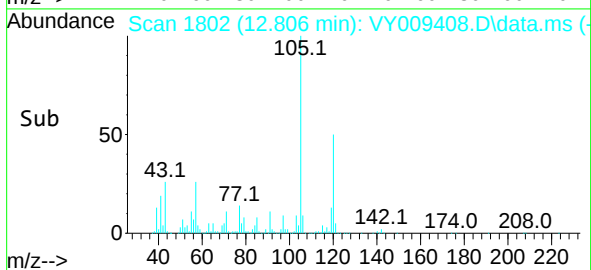
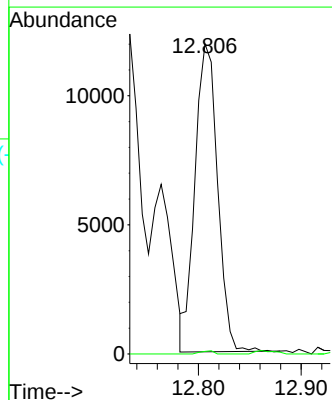
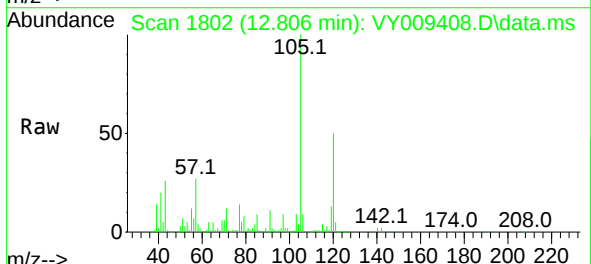
Instrument :
MSVOA_Y
ClientSampleId :

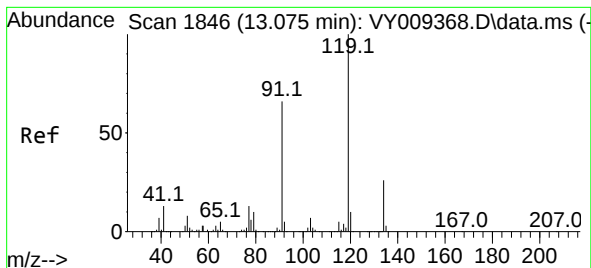
Tgt Ion: 75 Resp: 37299
Ion Ratio Lower Upper
75 100
53 0.4 85.3 127.9#
89 0.1 37.0 55.4#



#82
4-Chlorotoluene
Concen: 3.240 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.049 min
Lab File: VY009408.D
Acq: 30 Jun 2022 21:04

Tgt Ion: 91 Resp: 18267
Ion Ratio Lower Upper
91 100
126 0.6 17.0 51.0#





#83

tert-Butylbenzene

Concen: 4.521 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.042 min

Lab File: VY009408.D

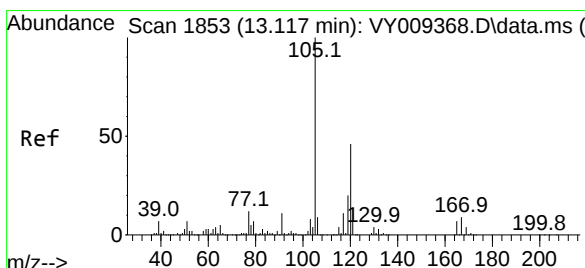
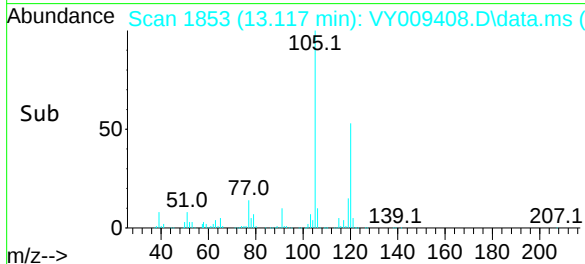
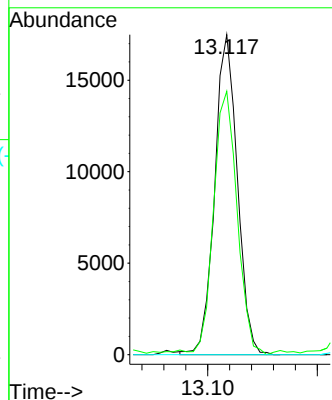
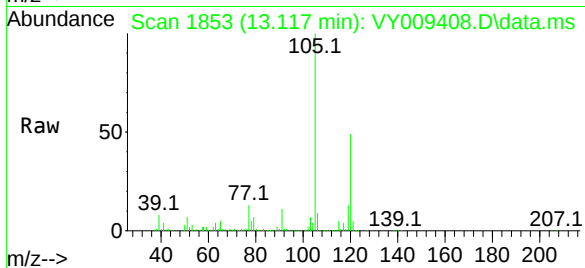
Acq: 30 Jun 2022 21:04

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	119	Resp:	25100
Ion Ratio	Lower	Upper	
119	100		
91	86.9	34.8	104.4
134	0.0	13.3	39.9#



#84

1,2,4-Trimethylbenzene

Concen: 30.987 ug/l

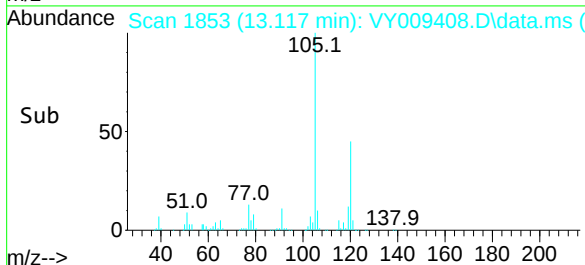
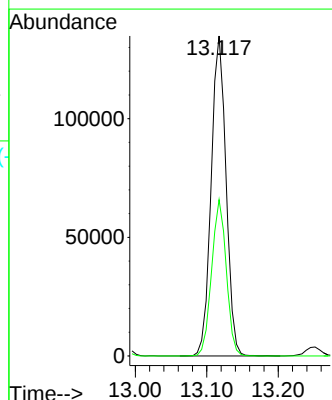
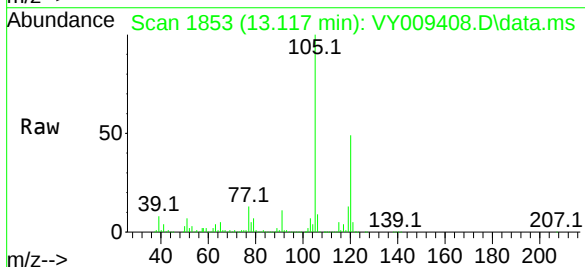
RT: 13.117 min Scan# 1853

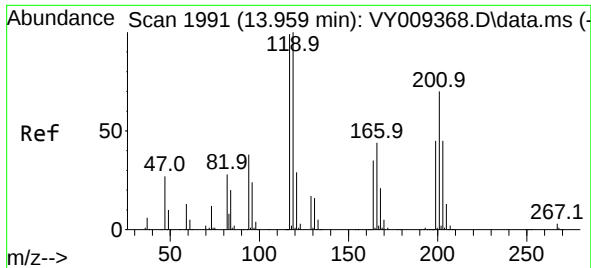
Delta R.T. 0.000 min

Lab File: VY009408.D

Acq: 30 Jun 2022 21:04

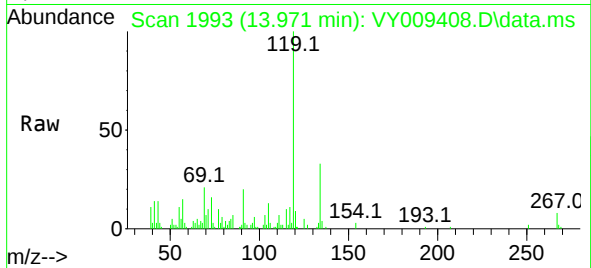
Tgt Ion:	105	Resp:	194563
Ion Ratio	Lower	Upper	
105	100		
120	48.1	22.3	66.9





#90
 Hexachloroethane
 Concen: 1.052 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: VY009408.D
 Acq: 30 Jun 2022 21:04

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:117 Resp: 1466
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#

