

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061722\
 Data File : VY009223.D
 Acq On : 17 Jun 2022 13:44
 Operator : KP/MD
 Sample : N3351-04
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 17 22:52:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

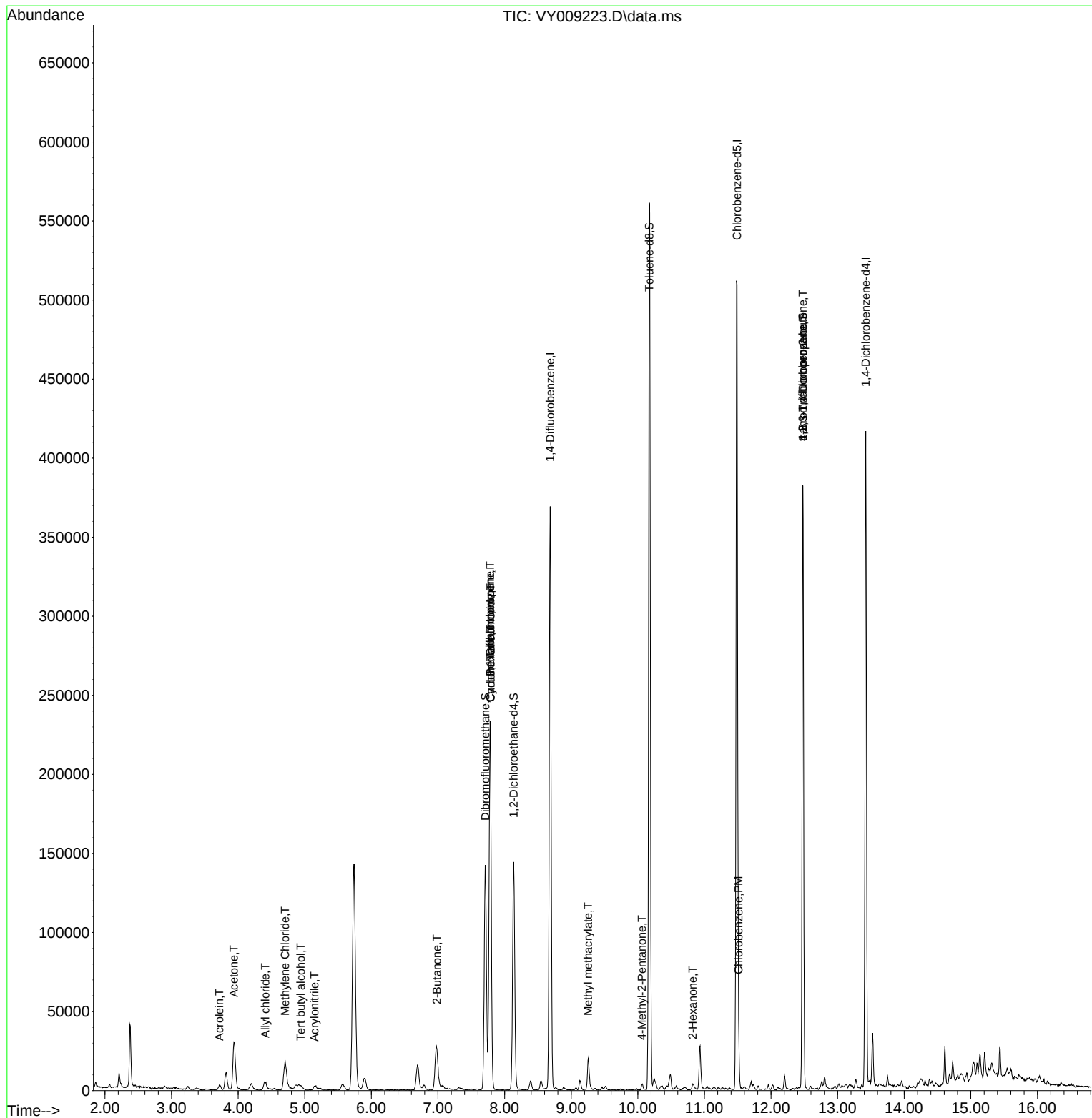
Internal Standards						
1) Pentafluorobenzene	7.783	168	184441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	312713	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	280356	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	104863	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	106893	55.481	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.960%
35) Dibromofluoromethane	7.710	113	98445	50.212	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.420%
50) Toluene-d8	10.173	98	371149	49.730	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.460%
62) 4-Bromofluorobenzene	12.477	95	114181	43.053	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	86.100%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	5244	17.156	ug/l #	86
13) Acrolein	3.717	56	3632	42.934	ug/l	90
14) Allyl chloride	4.405	41	8757	2.765	ug/l #	41
15) Acrylonitrile	5.143	53	3835	6.515	ug/l	91
16) Acetone	3.936	43	54088	111.448	ug/l	94
18) Methyl Acetate	4.472	43	794	Below Cal	#	67
20) Methylene Chloride	4.704	84	12655	3.094	ug/l	94
25) 2-Butanone	6.984	43	13716	17.860	ug/l	99
31) Cyclohexane	7.789	56	4361	1.264	ug/l #	9
36) 1,1-Dichloropropene	7.783	75	13626	4.518	ug/l #	50
38) Carbon Tetrachloride	7.789	117	16961	5.439	ug/l #	15
48) Methyl methacrylate	9.252	41	6007	4.054	ug/l #	46
51) 4-Methyl-2-Pentanone	10.063	43	2903	1.663	ug/l	99
59) 2-Hexanone	10.825	43	2643	2.206	ug/l	93
65) Chlorobenzene	11.514	112	12602	2.075	ug/l	99
76) 1,2,3-Trichloropropane	12.477	75	57977	50.072	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57977	99.789	ug/l #	7

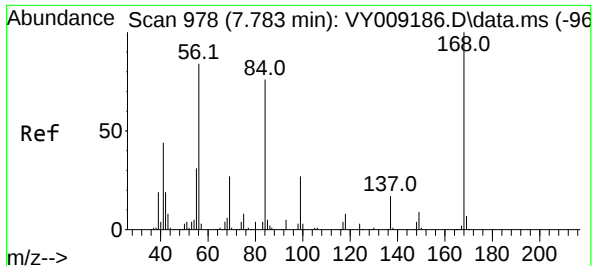
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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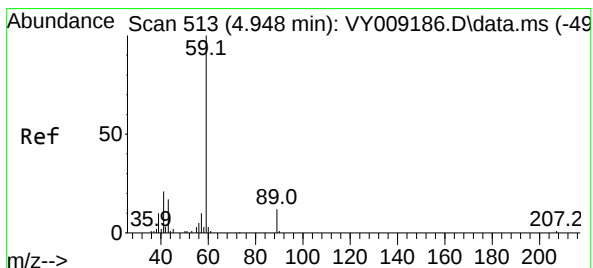
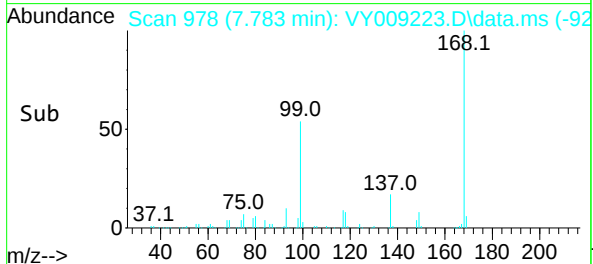
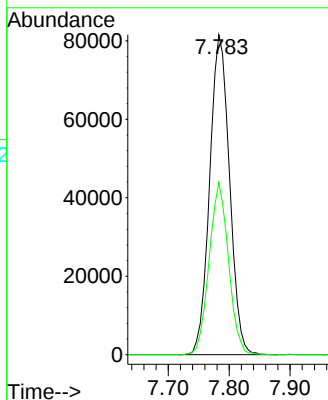
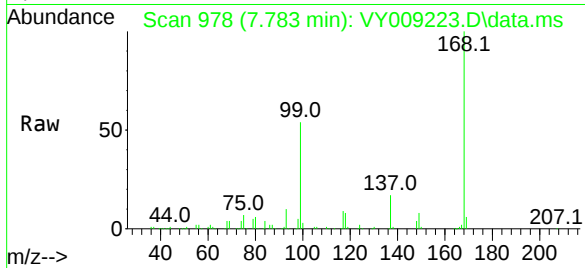




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

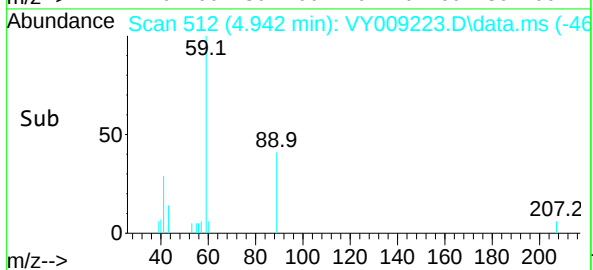
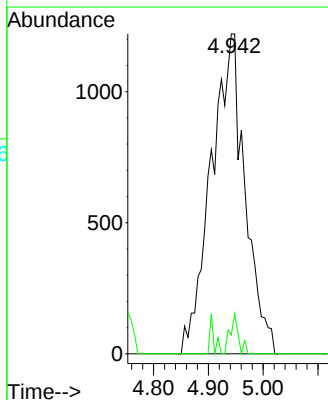
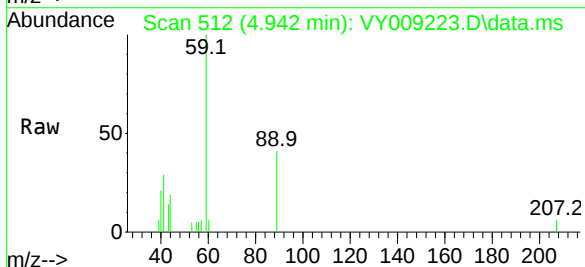
Instrument :
MSVOA_Y
ClientSampleId :

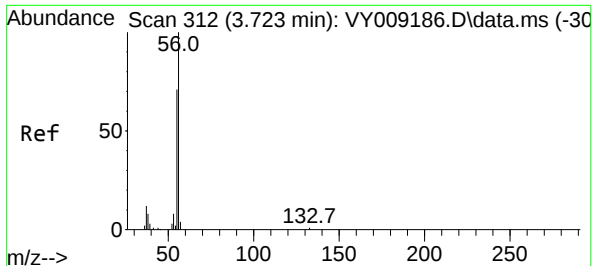
Tgt Ion:168 Resp: 184441
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#11
Tert butyl alcohol
Concen: 17.156 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

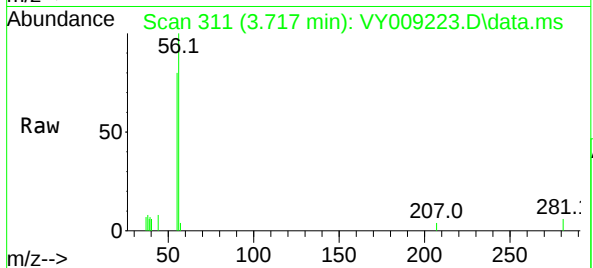
Tgt Ion: 59 Resp: 5244
Ion Ratio Lower Upper
59 100
57 3.1 6.4 9.6#



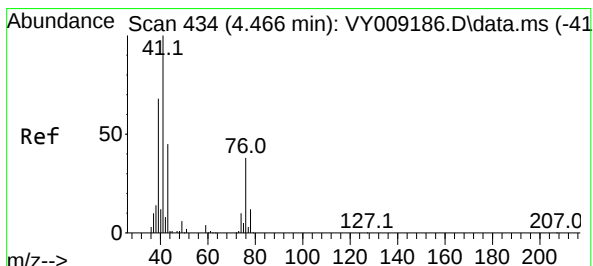
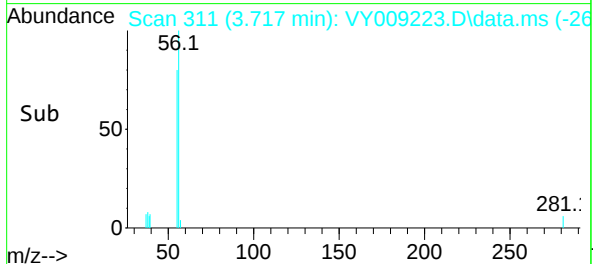
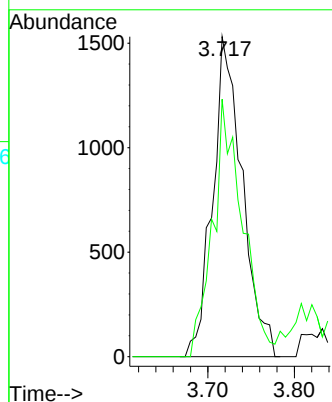


#13
Acrolein
Concen: 42.934 ug/l
RT: 3.717 min Scan# 312
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

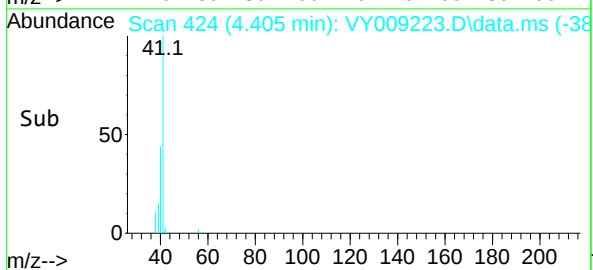
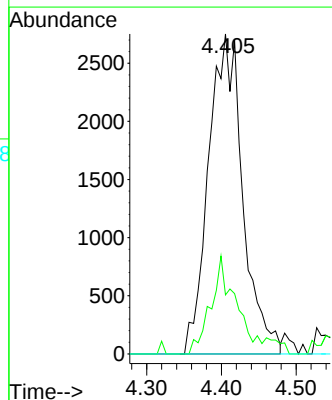
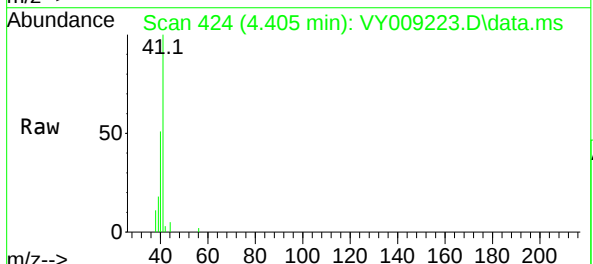


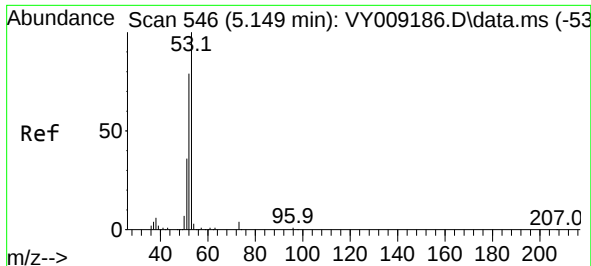
Tgt Ion: 56 Resp: 3632
Ion Ratio Lower Upper
56 100
55 80.6 57.6 86.4



#14
Allyl chloride
Concen: 2.765 ug/l
RT: 4.405 min Scan# 424
Delta R.T. -0.061 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

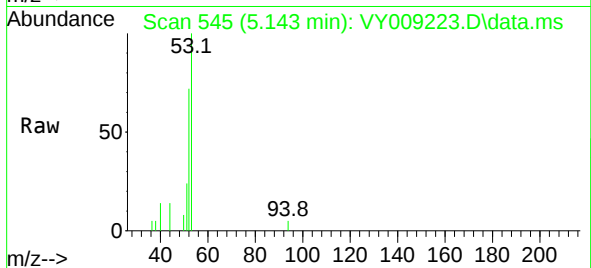
Tgt Ion: 41 Resp: 8757
Ion Ratio Lower Upper
41 100
39 22.6 58.8 88.2#
76 0.0 25.1 37.7#



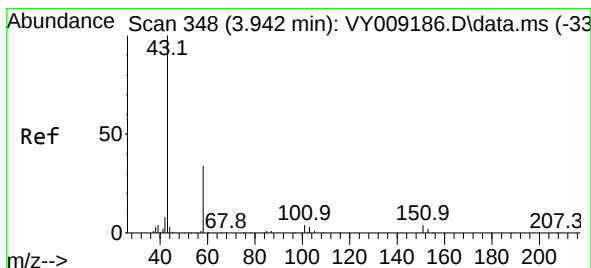
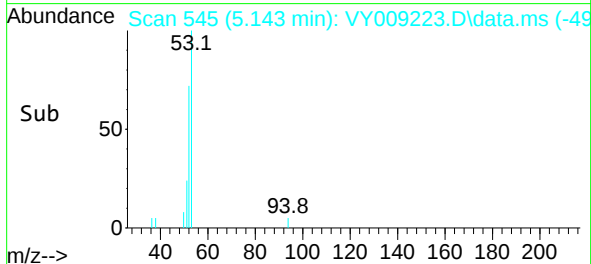
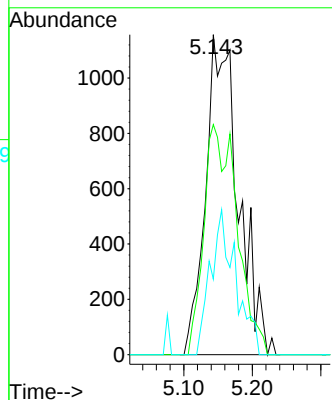


#15
Acrylonitrile
Concen: 6.515 ug/l
RT: 5.143 min Scan# 54
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

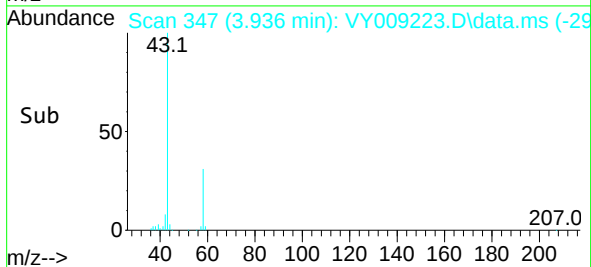
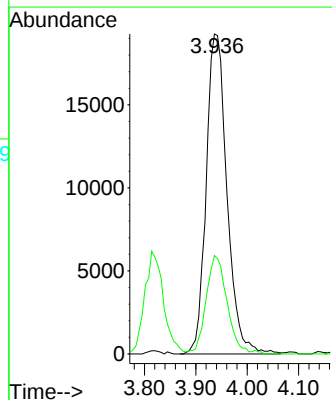
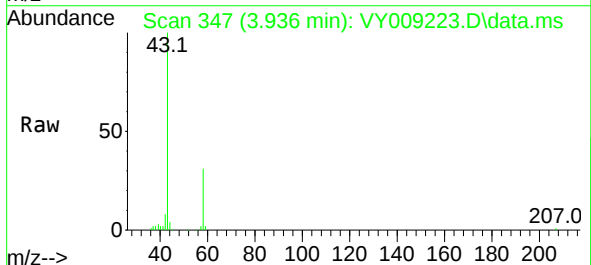


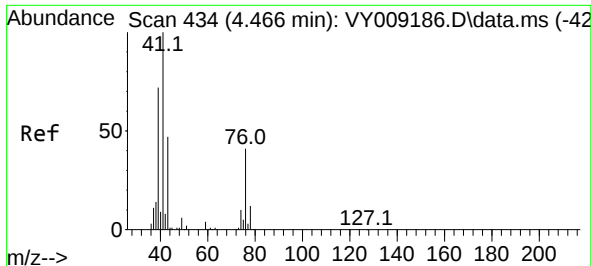
Tgt Ion: 53 Resp: 3835
Ion Ratio Lower Upper
53 100
52 72.9 67.0 100.4
51 34.9 29.8 44.6



#16
Acetone
Concen: 111.448 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 43 Resp: 54088
Ion Ratio Lower Upper
43 100
58 30.7 22.0 33.0

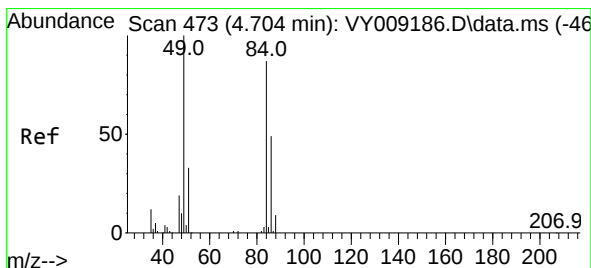
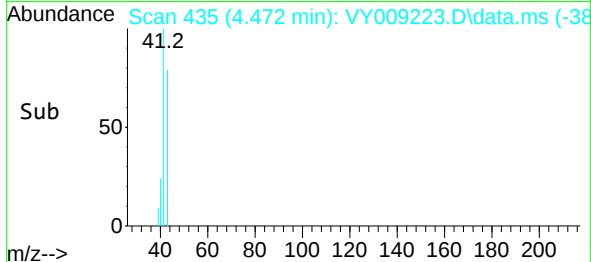
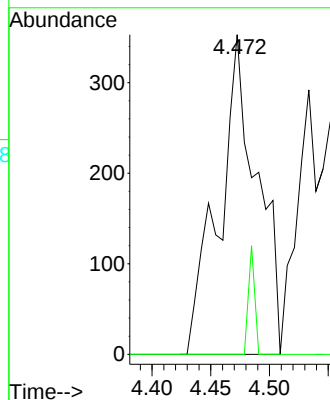
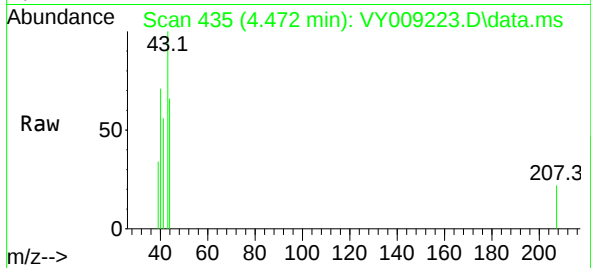




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

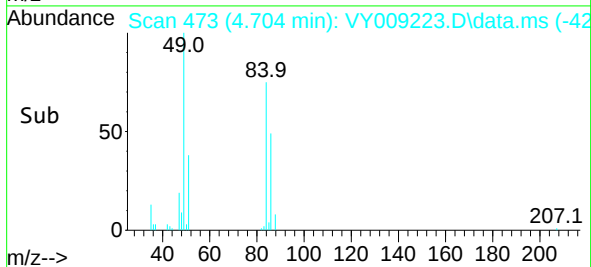
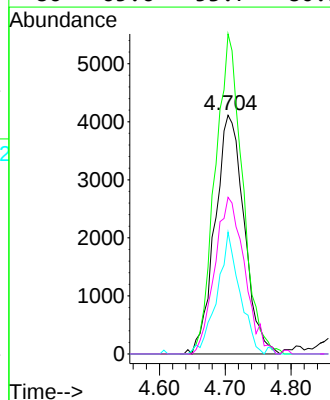
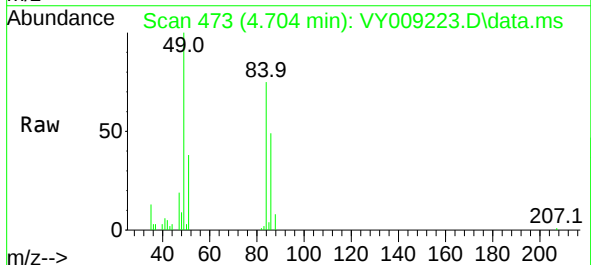
Instrument :
MSVOA_Y
ClientSampleId :

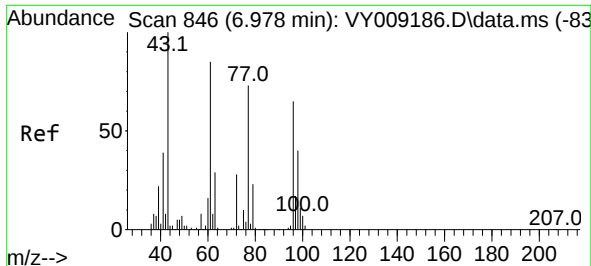
Tgt Ion: 43 Resp: 794
Ion Ratio Lower Upper
43 100
74 5.5 16.6 24.8#



#20
Methylene Chloride
Concen: 3.094 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

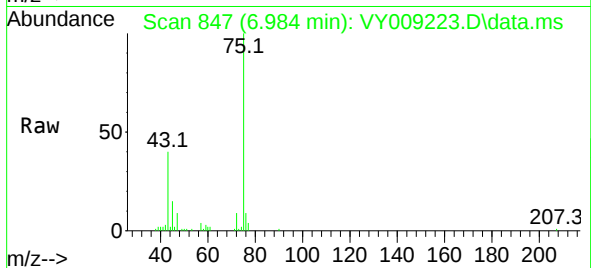
Tgt Ion: 84 Resp: 12655
Ion Ratio Lower Upper
84 100
49 134.0 114.4 171.6
51 51.0 35.3 52.9
86 65.6 53.7 80.5



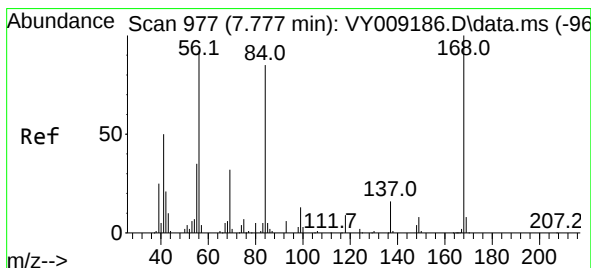
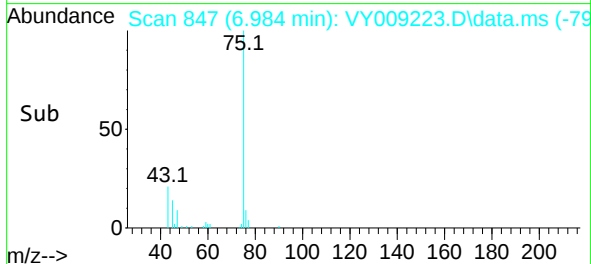
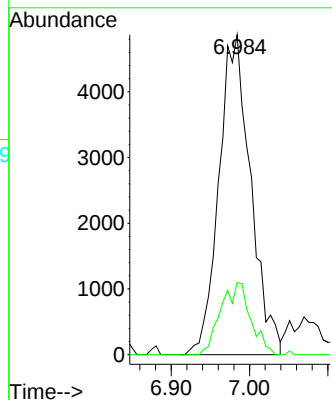


#25
2-Butanone
Concen: 17.860 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

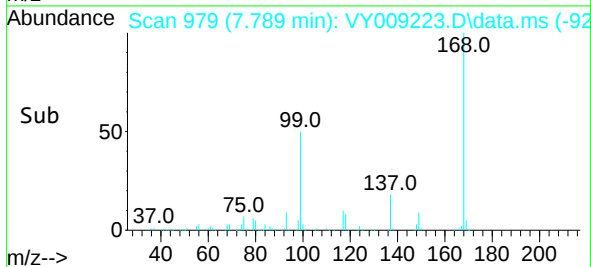
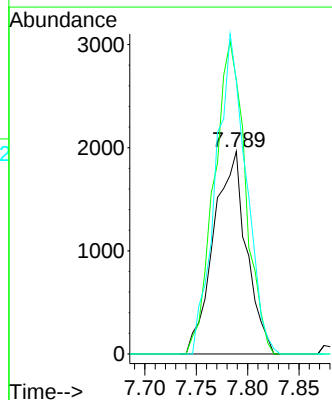
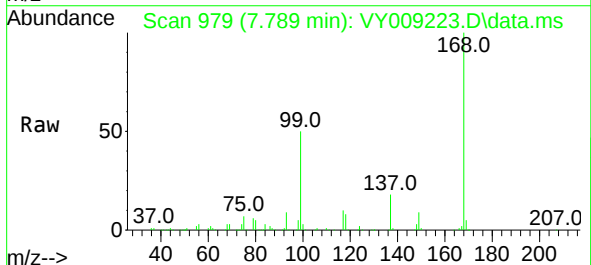


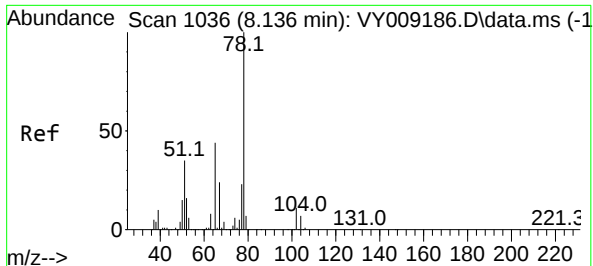
Tgt Ion: 43 Resp: 13716
Ion Ratio Lower Upper
43 100
72 22.5 17.7 26.5



#31
Cyclohexane
Concen: 1.264 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 56 Resp: 4361
Ion Ratio Lower Upper
56 100
69 135.0 26.7 40.1#
84 134.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 55.481 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009223.D

Acq: 17 Jun 2022 13:44

Instrument :

MSVOA_Y

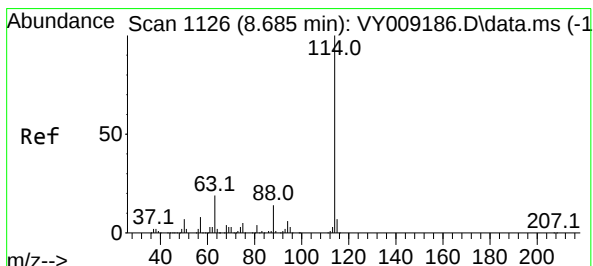
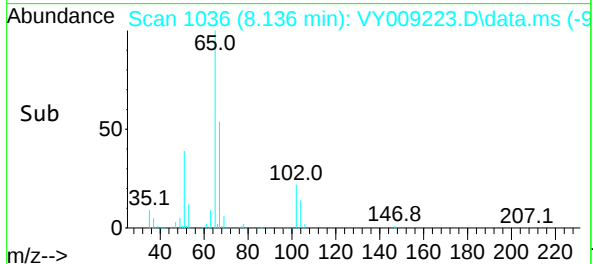
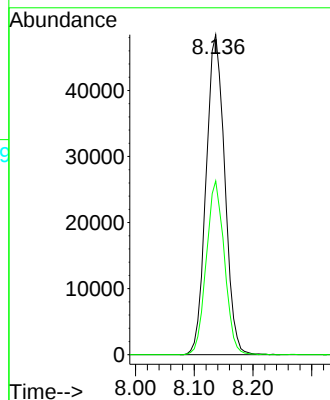
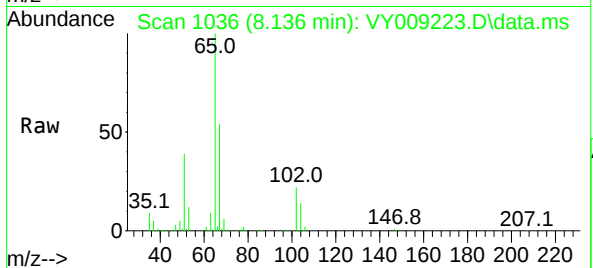
ClientSampleId :

Tgt Ion: 65 Resp: 106893

Ion Ratio Lower Upper

65 100

67 52.6 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: VY009223.D

Acq: 17 Jun 2022 13:44

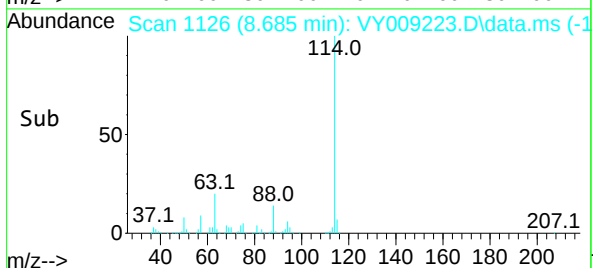
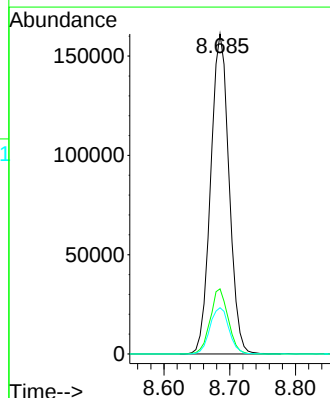
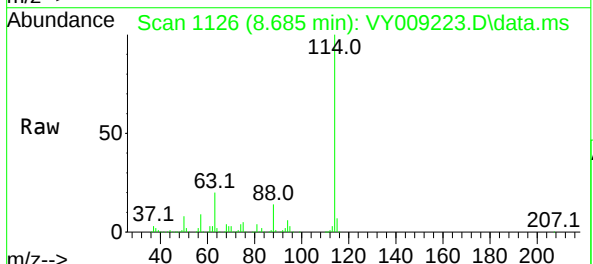
Tgt Ion: 114 Resp: 312713

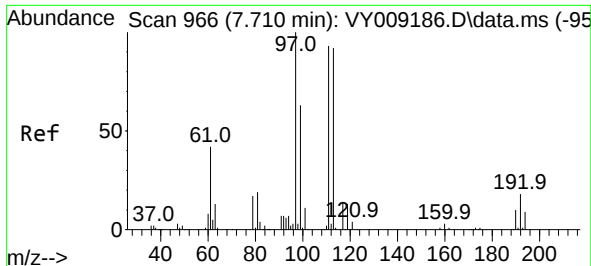
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

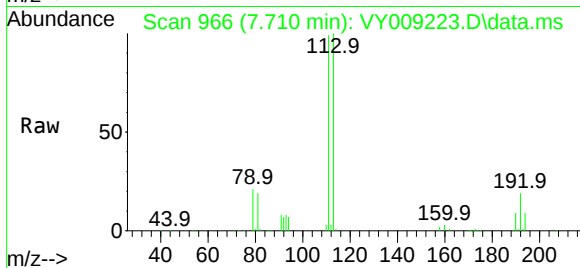
88 14.5 0.0 31.8



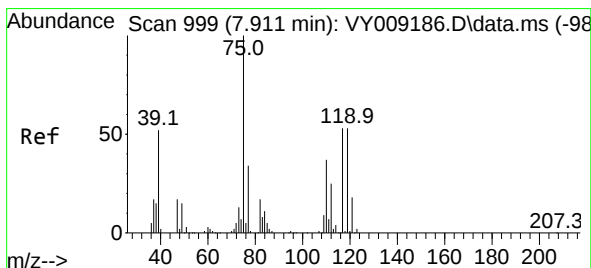
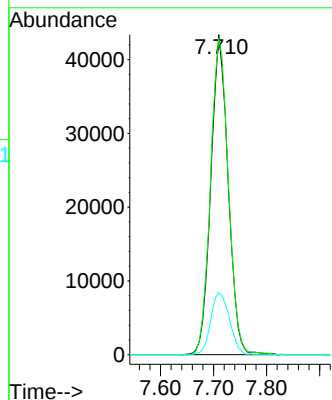
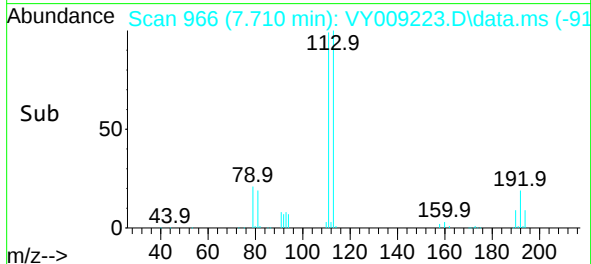


#35
Dibromofluoromethane
Concen: 50.212 ug/l
RT: 7.710 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

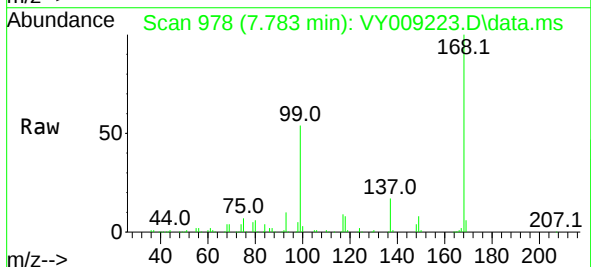
Instrument :
MSVOA_Y
ClientSampleId :



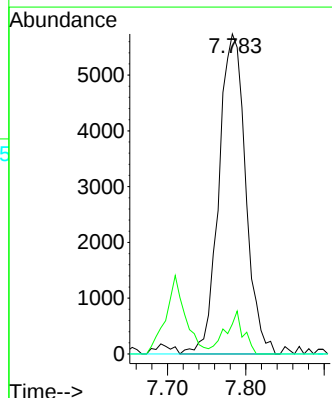
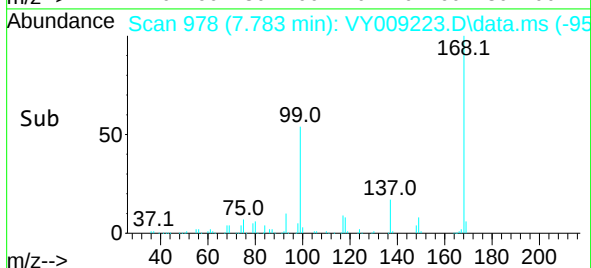
Tgt Ion:113 Resp: 98445
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 21.0 17.6 26.4

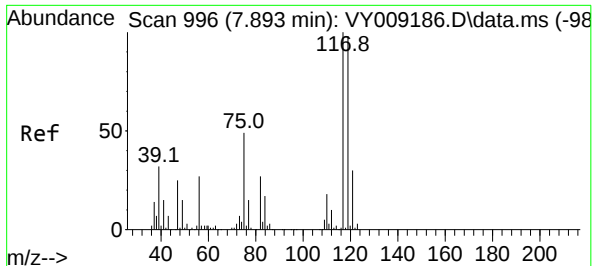


#36
1,1-Dichloropropene
Concen: 4.518 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44



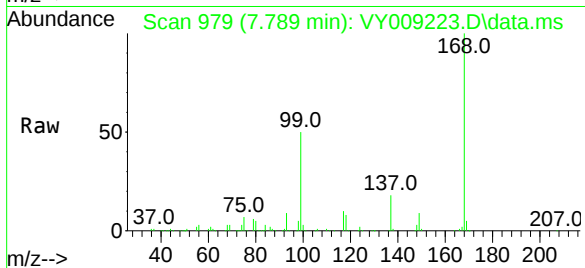
Tgt Ion: 75 Resp: 13626
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



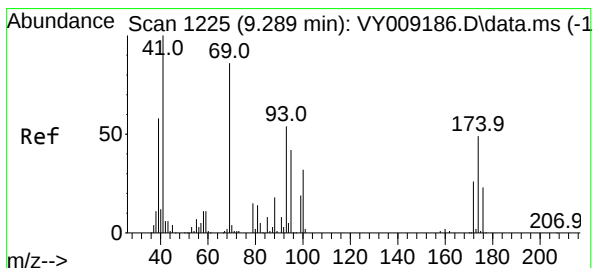
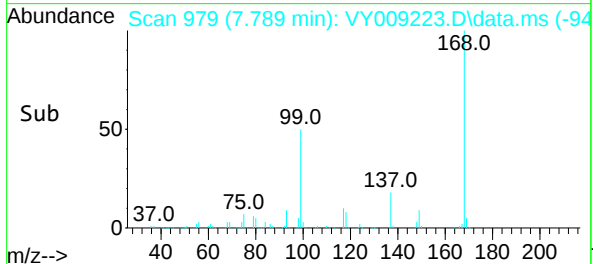
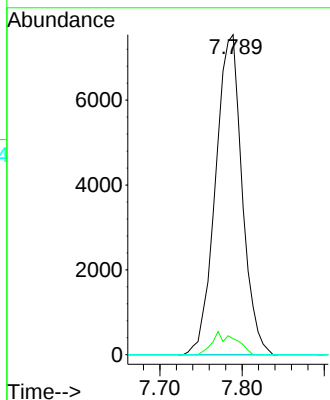


#38
Carbon Tetrachloride
Concen: 5.439 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Instrument :
MSVOA_Y
ClientSampleId :

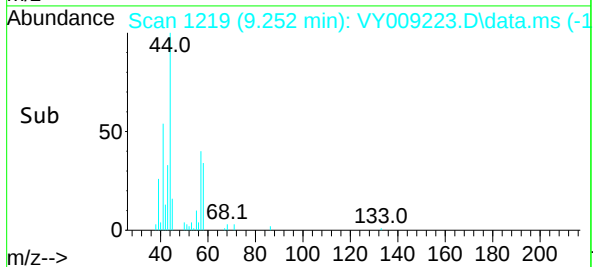
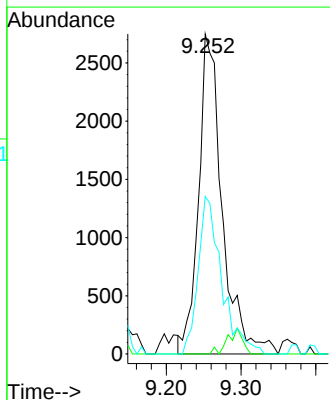
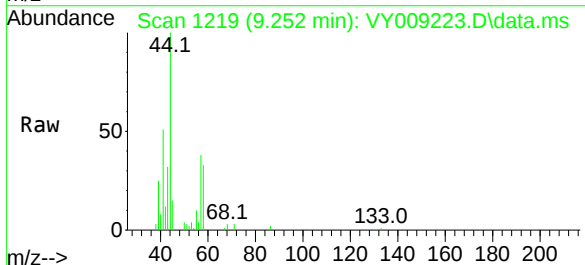


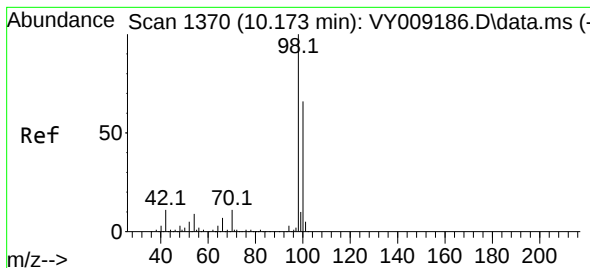
Tgt Ion:117 Resp: 16961
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#48
Methyl methacrylate
Concen: 4.054 ug/l
RT: 9.252 min Scan# 1219
Delta R.T. -0.037 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 41 Resp: 6007
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 49.3 47.4 71.0





#50

Toluene-d8

Concen: 49.730 ug/l

RT: 10.173 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY009223.D

Acq: 17 Jun 2022 13:44

Instrument :

MSVOA_Y

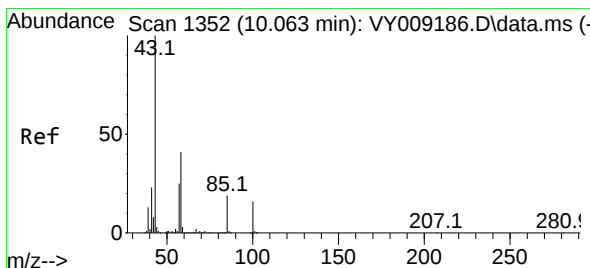
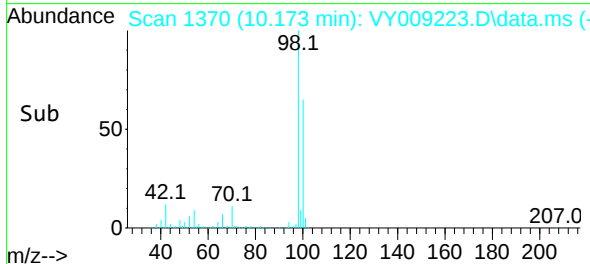
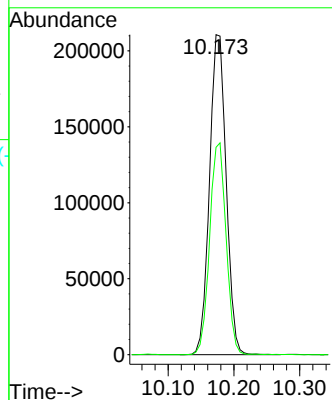
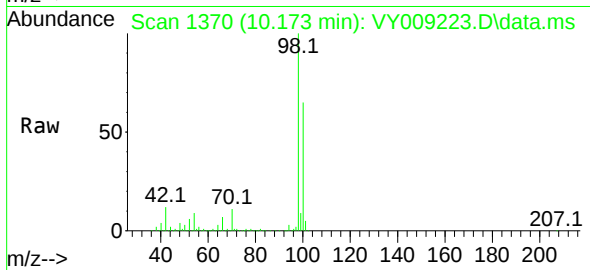
ClientSampleId :

Tgt Ion: 98 Resp: 371149

Ion Ratio Lower Upper

98 100

100 65.4 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 1.663 ug/l

RT: 10.063 min Scan# 1352

Delta R.T. 0.000 min

Lab File: VY009223.D

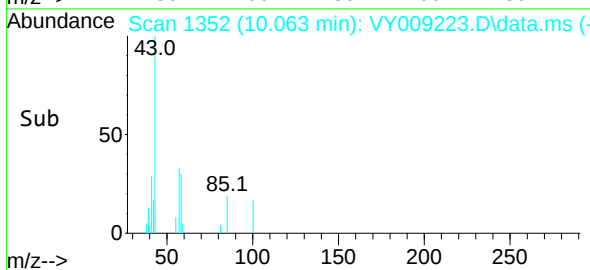
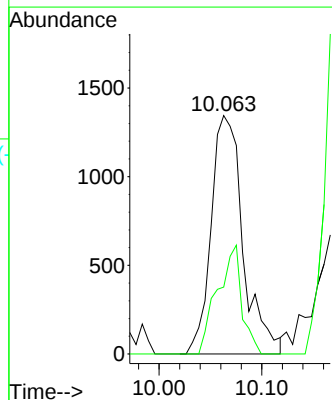
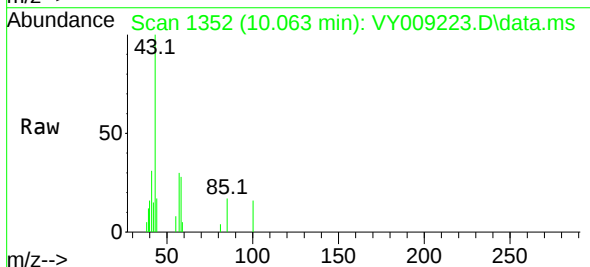
Acq: 17 Jun 2022 13:44

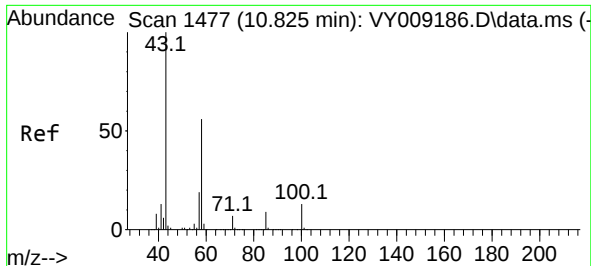
Tgt Ion: 43 Resp: 2903

Ion Ratio Lower Upper

43 100

58 34.7 28.1 42.1

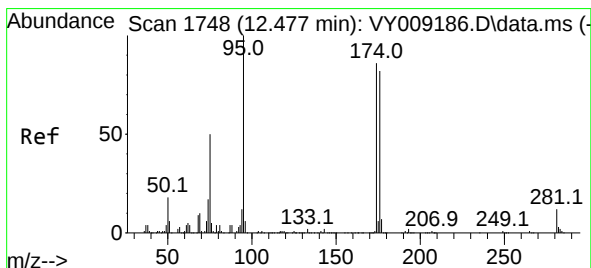
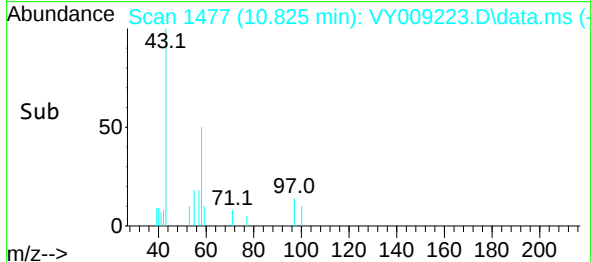
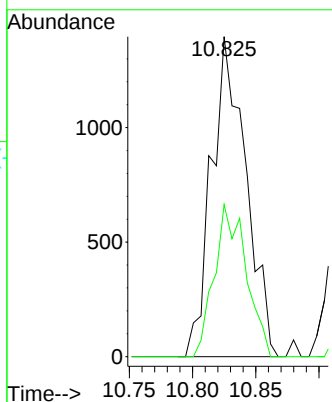
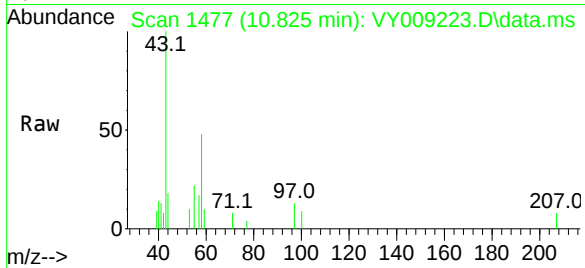




#59
2-Hexanone
Concen: 2.206 ug/l
RT: 10.825 min Scan# 1477
Delta R.T. 0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

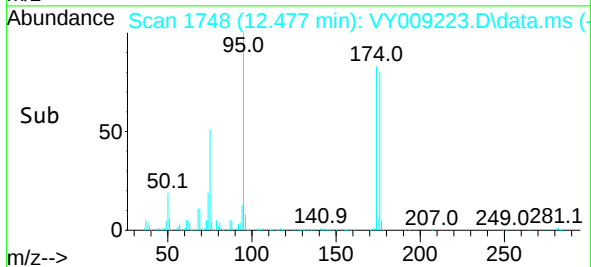
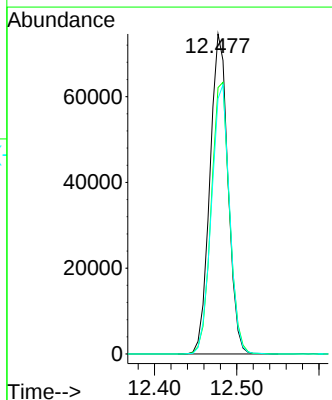
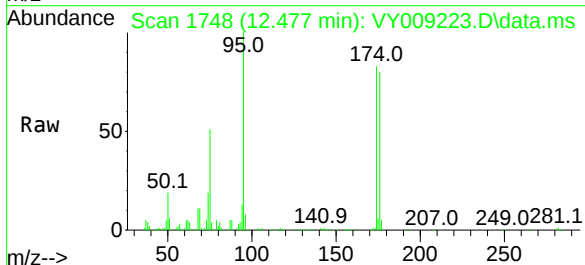
Instrument :
MSVOA_Y
ClientSampleId :

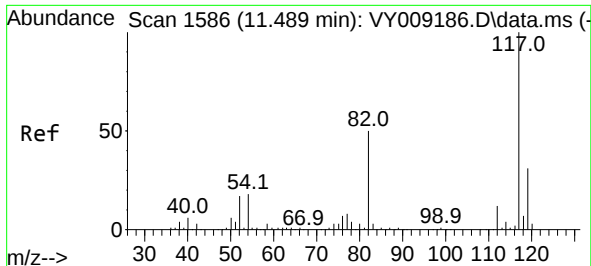
Tgt Ion: 43 Resp: 2643
Ion Ratio Lower Upper
43 100
58 43.9 24.4 73.4



#62
4-Bromofluorobenzene
Concen: 43.053 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009223.D
Acq: 17 Jun 2022 13:44

Tgt Ion: 95 Resp: 114181
Ion Ratio Lower Upper
95 100
174 85.2 0.0 177.0
176 83.9 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY009223.D

Acq: 17 Jun 2022 13:44

Instrument :

MSVOA_Y

ClientSampleId :

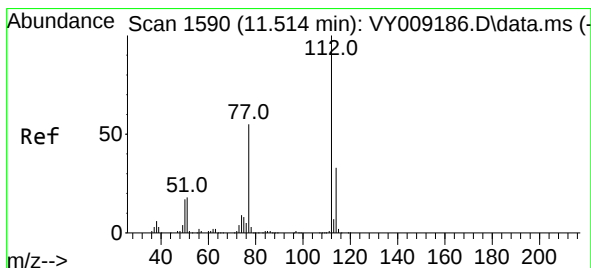
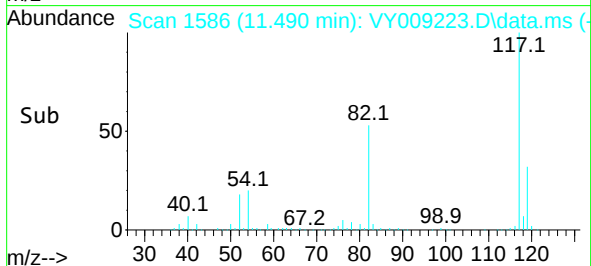
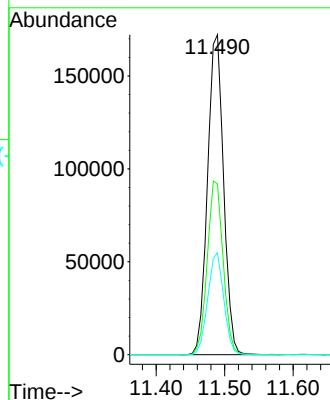
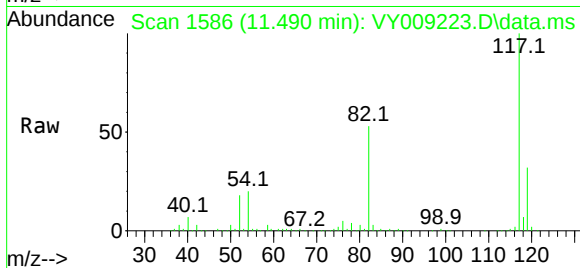
Tgt Ion:117 Resp: 280356

Ion Ratio Lower Upper

117 100

82 53.3 43.0 64.4

119 31.9 25.4 38.0



#65

Chlorobenzene

Concen: 2.075 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY009223.D

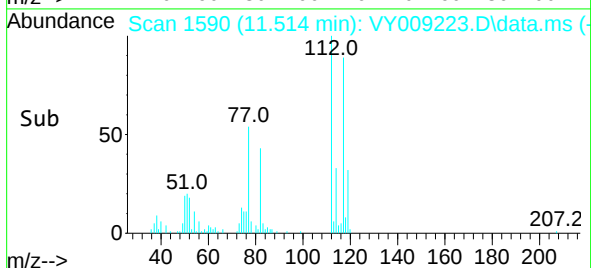
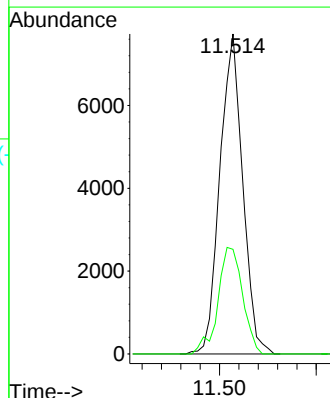
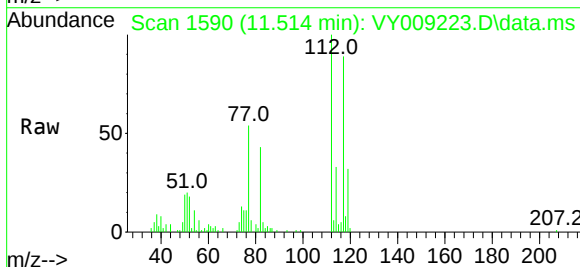
Acq: 17 Jun 2022 13:44

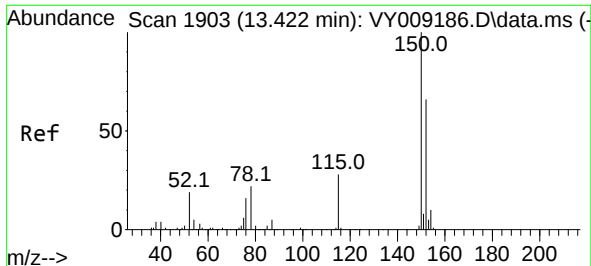
Tgt Ion:112 Resp: 12602

Ion Ratio Lower Upper

112 100

114 32.7 25.8 38.6

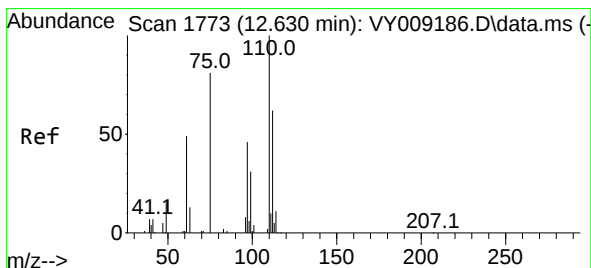
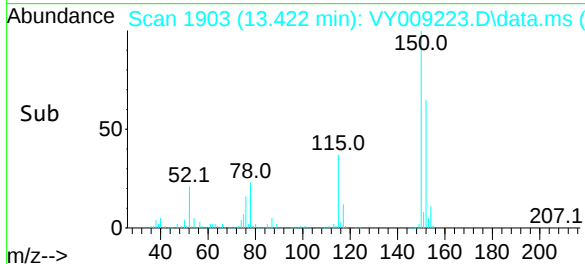
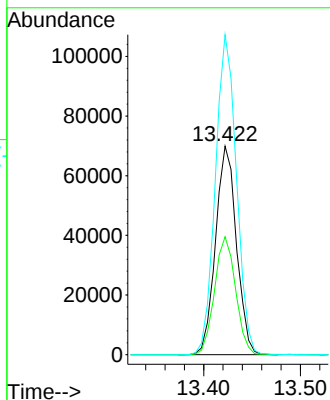
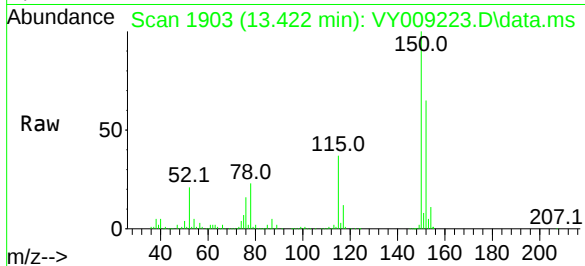




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009223.D
 Acq: 17 Jun 2022 13:44

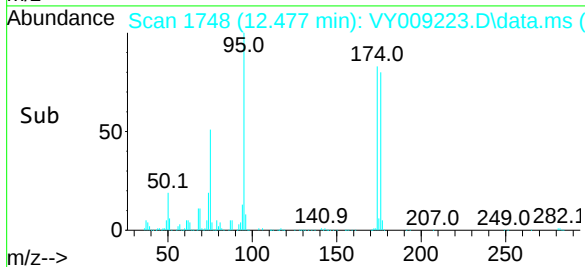
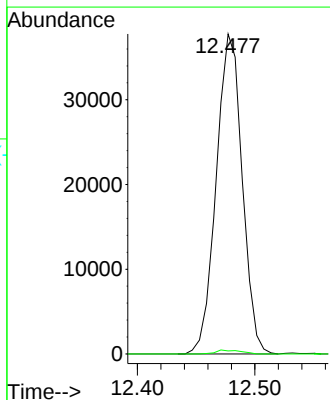
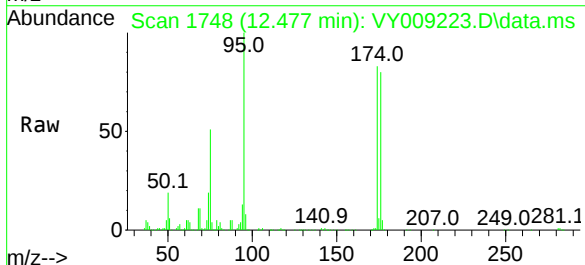
Instrument :
 MSVOA_Y
 ClientSampleId :

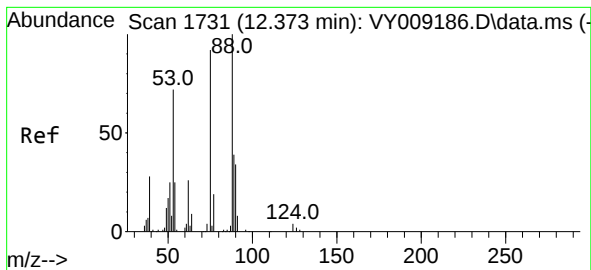
Tgt Ion:152 Resp: 104863
 Ion Ratio Lower Upper
 152 100
 115 56.9 28.2 84.7
 150 154.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.072 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009223.D
 Acq: 17 Jun 2022 13:44

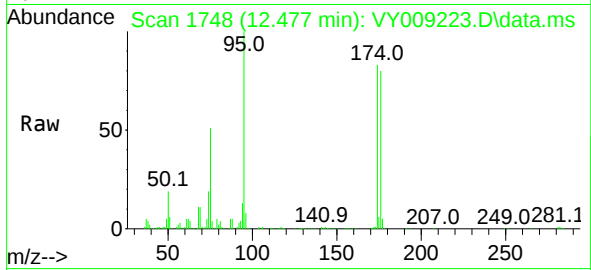
Tgt Ion: 75 Resp: 57977
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.789 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009223.D
 Acq: 17 Jun 2022 13:44

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 57977
 Ion Ratio Lower Upper
 75 100
 53 0.1 85.3 127.9#
 89 0.0 37.0 55.4#

