

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041522\
 Data File : VY008360.D
 Acq On : 15 Apr 2022 18:46
 Operator : KP/MD
 Sample : N2431-05
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Apr 16 05:00:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

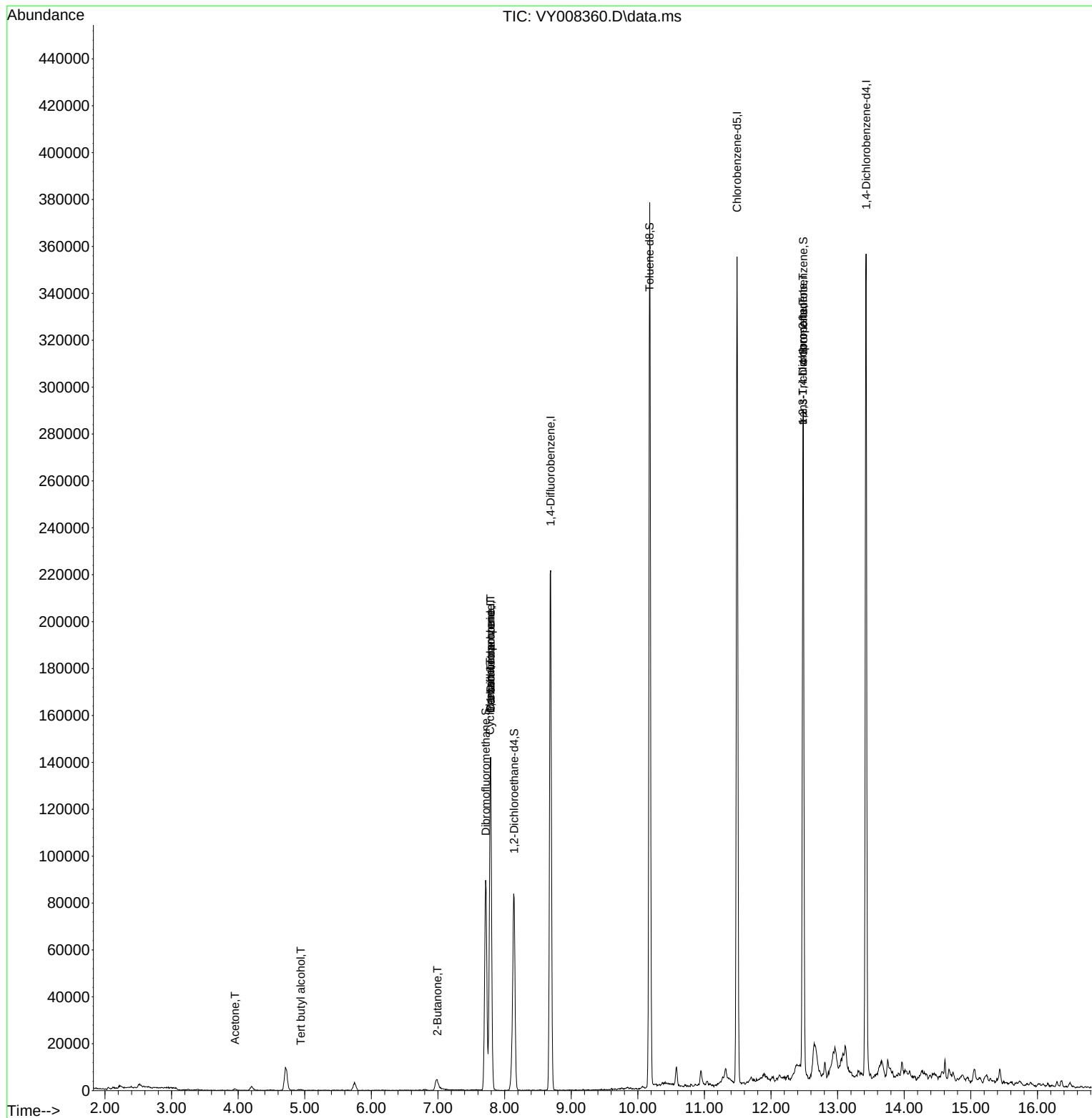
Internal Standards						
1) Pentafluorobenzene	7.789	168	112508	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	201748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	196493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88657	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	60855	57.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.160%	
35) Dibromofluoromethane	7.716	113	63375	54.387	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.780%	
50) Toluene-d8	10.179	98	247624	62.103	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 124.200%	
62) 4-Bromofluorobenzene	12.483	95	85882	57.265	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 114.540%	
Target Compounds						
						Qvalue
3) Chloromethane	2.113	50	167	Below Cal	#	44
5) Bromomethane	2.656	94	155	Below Cal		100
11) Tert butyl alcohol	4.942	59	335	2.965	ug/l #	77
16) Acetone	3.954	43	1152	4.532	ug/l	91
18) Methyl Acetate	4.485	43	260	Below Cal	#	56
20) Methylene Chloride	4.716	84	8180	Below Cal	#	75
25) 2-Butanone	6.990	43	404	1.016	ug/l #	54
31) Cyclohexane	7.783	56	2286	1.196	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8506	4.571	ug/l #	52
38) Carbon Tetrachloride	7.789	117	11200	5.595	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	44867	45.758	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44867	102.382	ug/l #	8

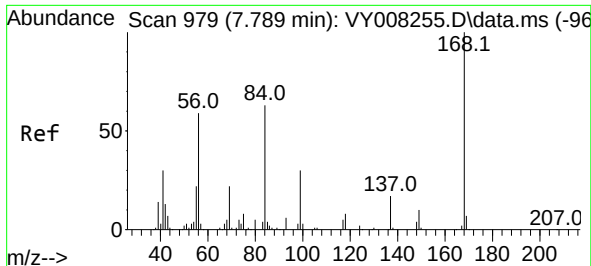
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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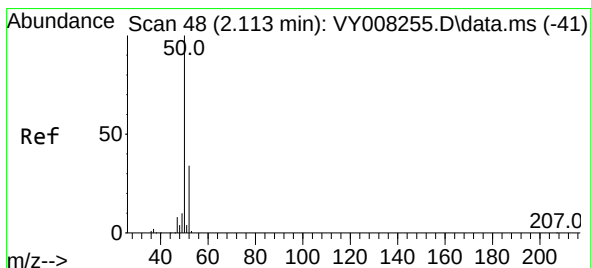
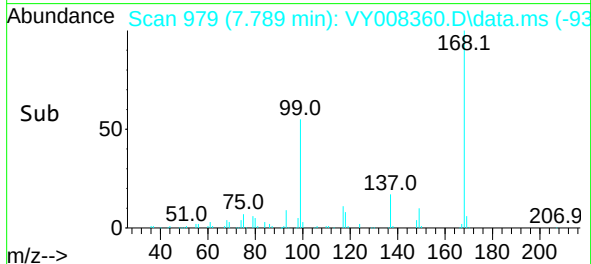
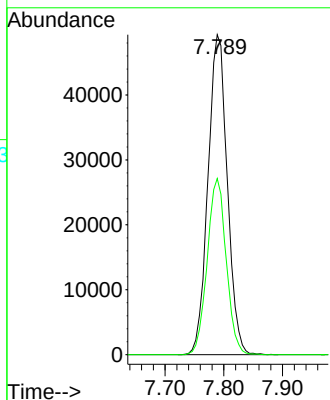
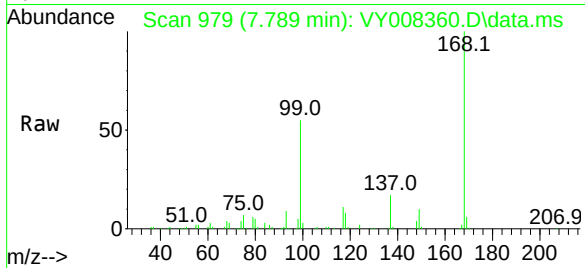




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

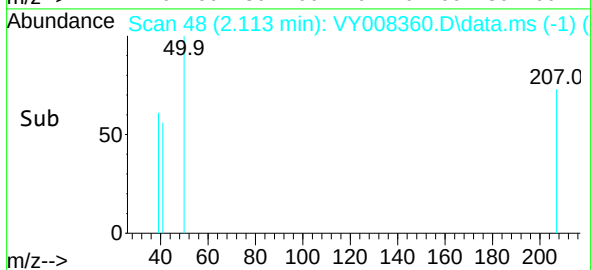
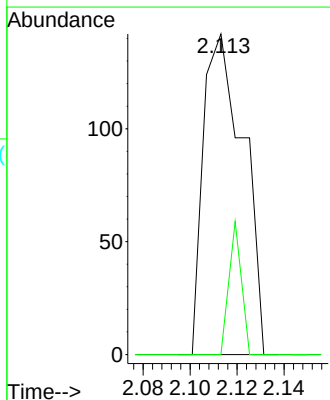
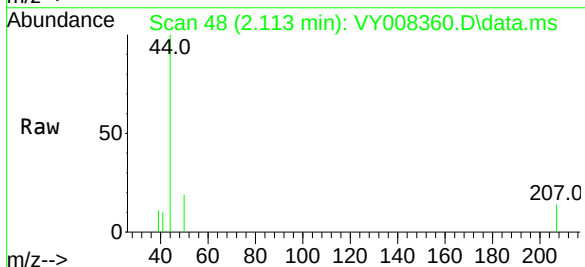
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

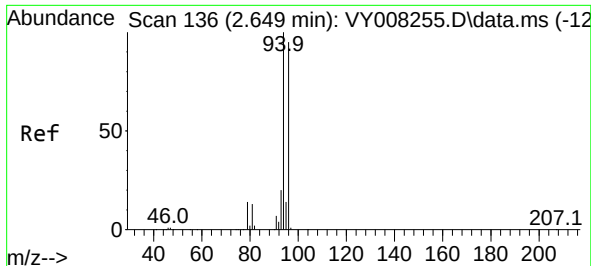
Tgt Ion:168 Resp: 112508
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Tgt Ion: 50 Resp: 167
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

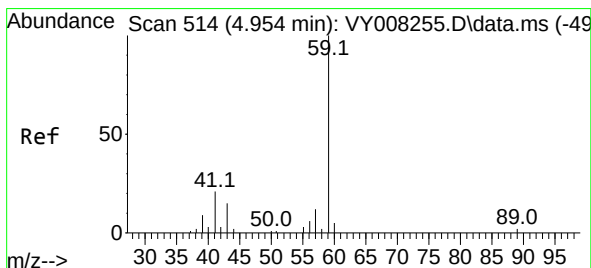
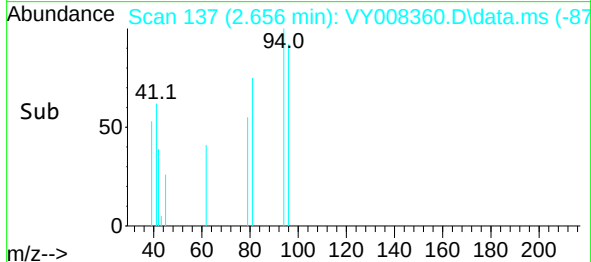
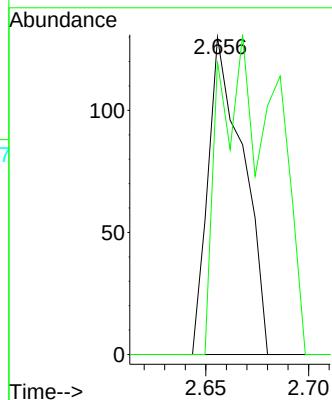
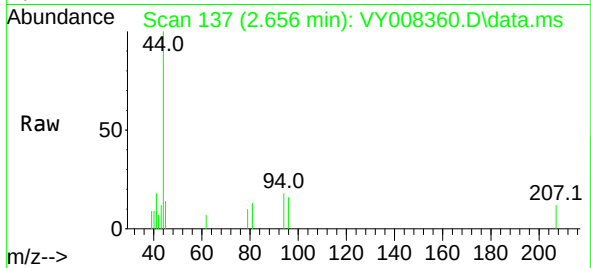




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

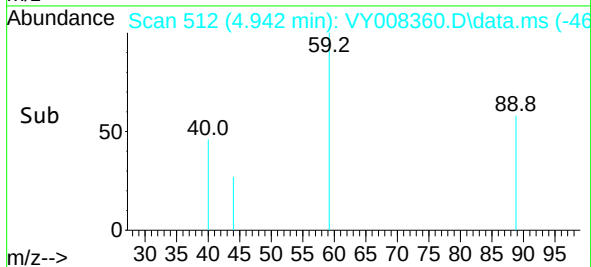
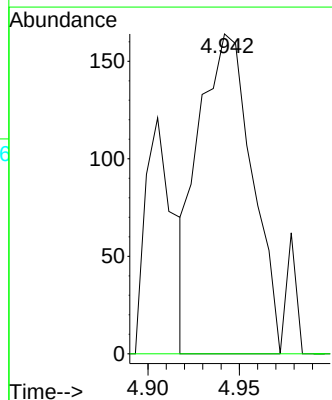
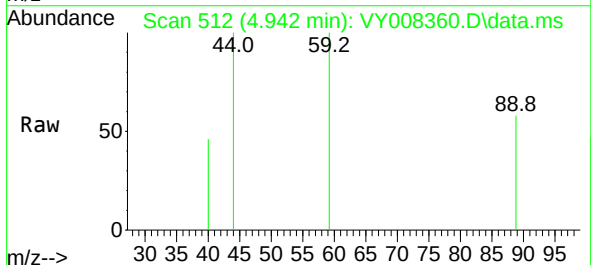
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

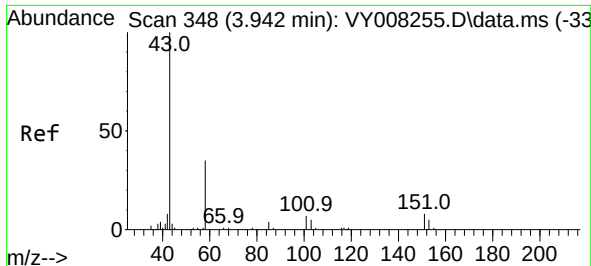
Tgt Ion: 94 Resp: 155
Ion Ratio Lower Upper
94 100
96 92.3 73.5 110.3



#11
Tert butyl alcohol
Concen: 2.965 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Tgt Ion: 59 Resp: 335
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

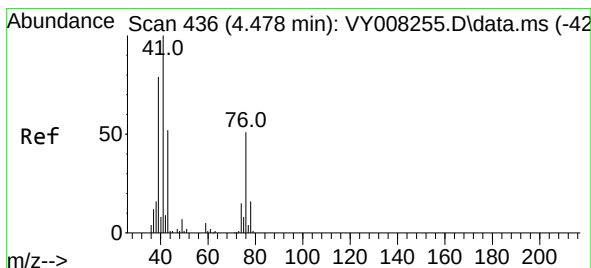
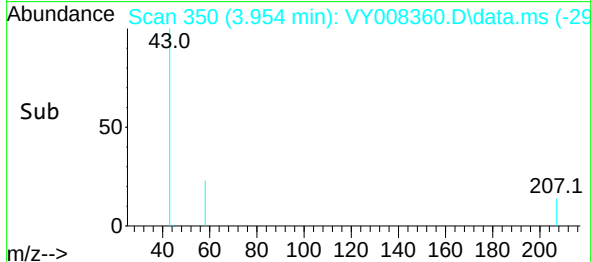
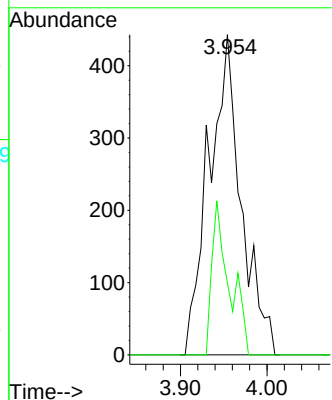
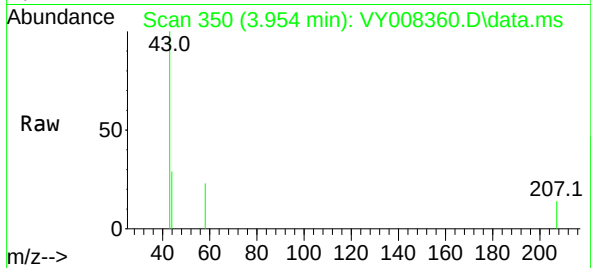




#16
Acetone
Concen: 4.532 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

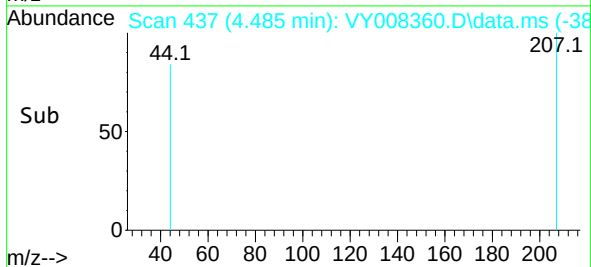
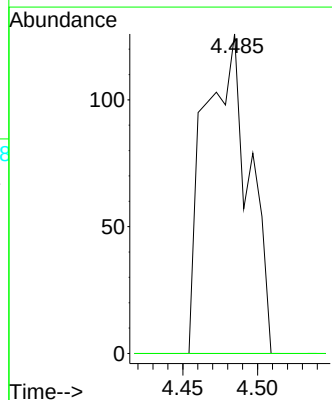
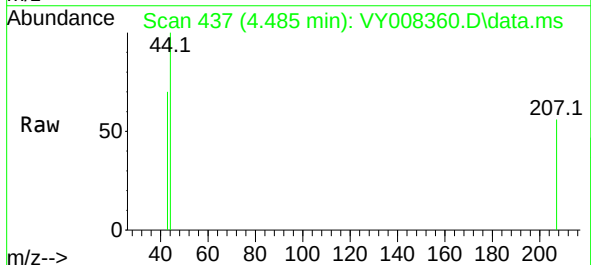
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

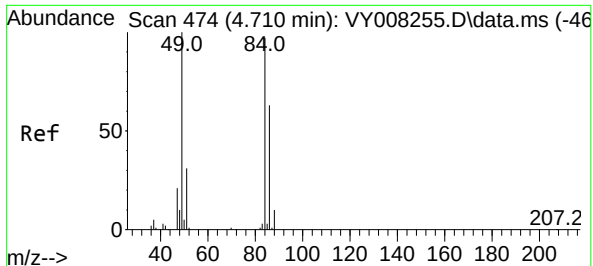
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
58 22.6 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.007 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

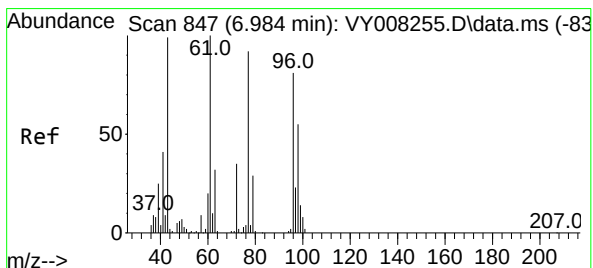
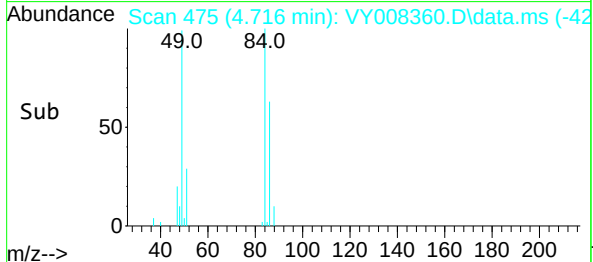
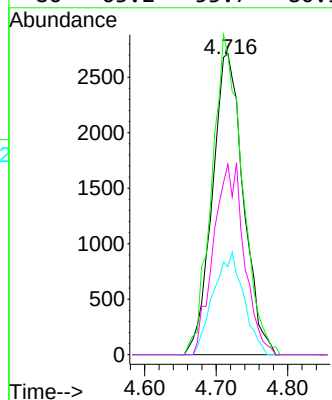
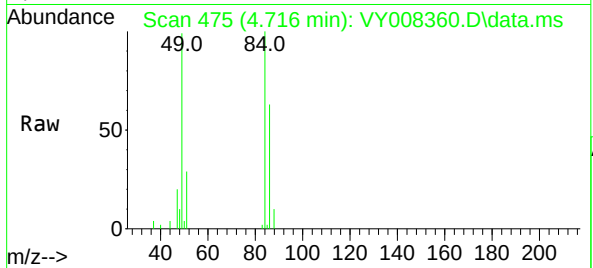




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

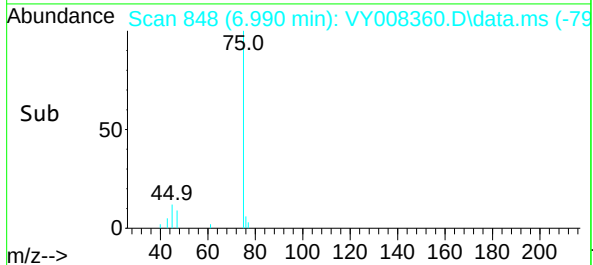
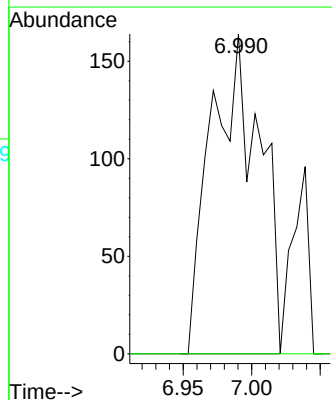
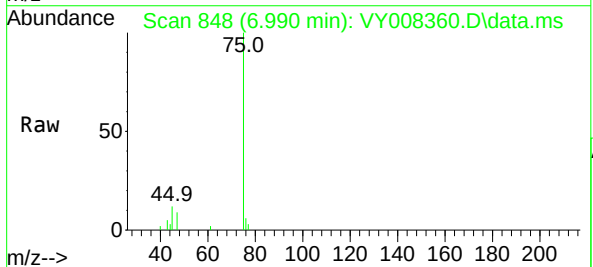
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

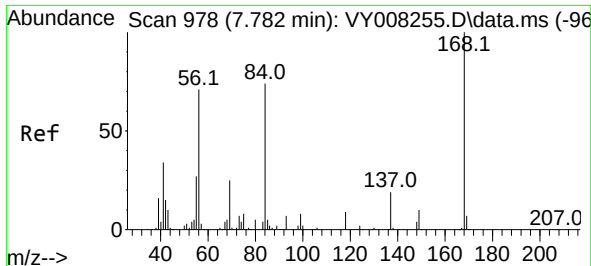
Tgt Ion: 84 Resp: 8180
Ion Ratio Lower Upper
84 100
49 99.4 114.4 171.6#
51 29.2 35.3 52.9#
86 63.2 53.7 80.5



#25
2-Butanone
Concen: 1.016 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

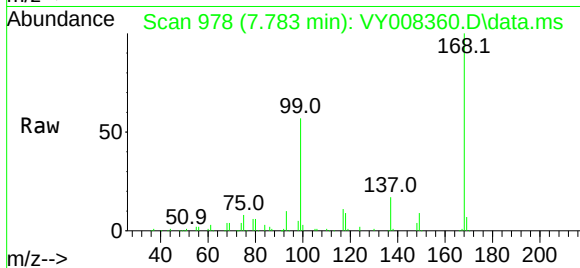
Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



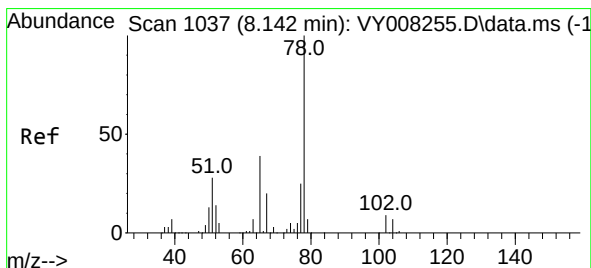
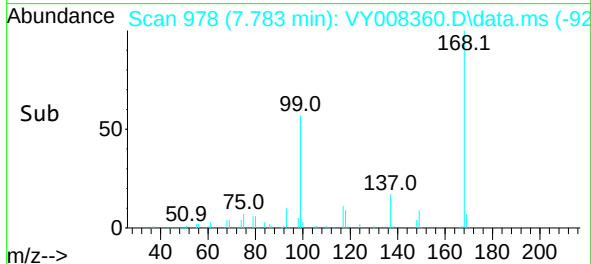
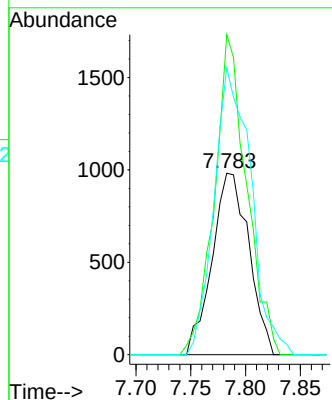


#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

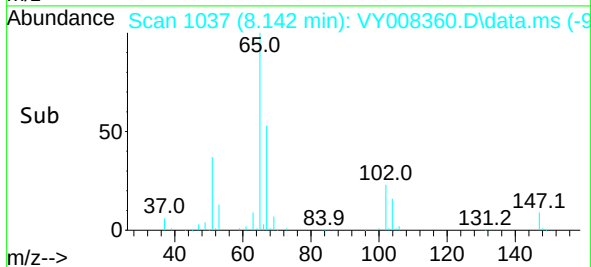
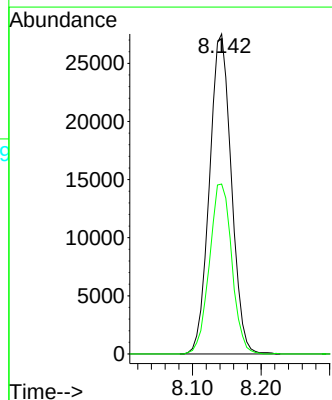
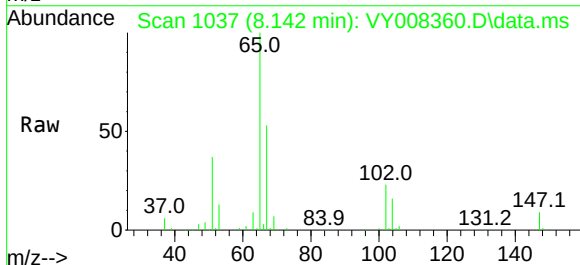


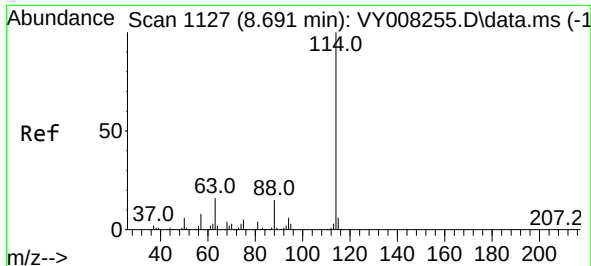
Tgt Ion: 56 Resp: 2286
Ion Ratio Lower Upper
56 100
69 176.4 26.7 40.1#
84 158.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.583 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Tgt Ion: 65 Resp: 60855
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008360.D

Acq: 15 Apr 2022 18:46

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

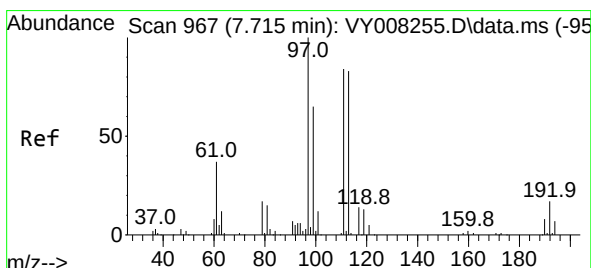
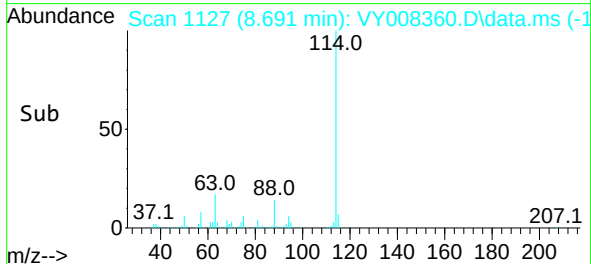
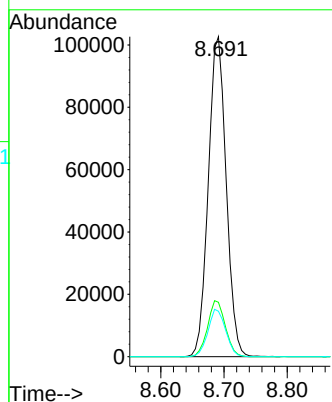
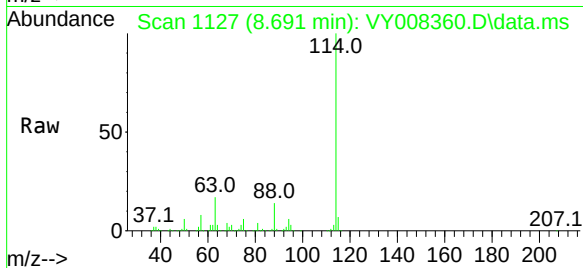
Tgt Ion:114 Resp: 201748

Ion Ratio Lower Upper

114 100

63 17.0 0.0 43.2

88 14.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.387 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008360.D

Acq: 15 Apr 2022 18:46

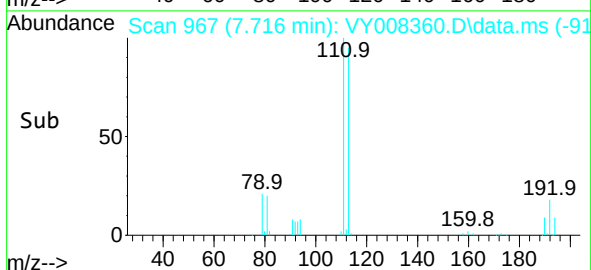
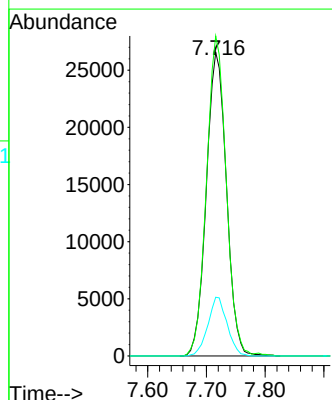
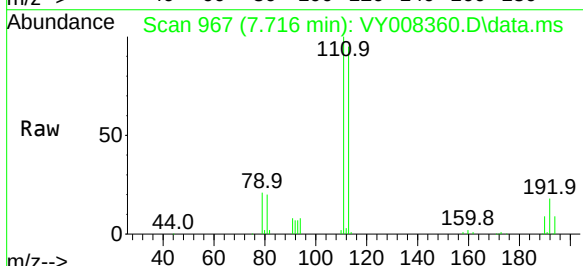
Tgt Ion:113 Resp: 63375

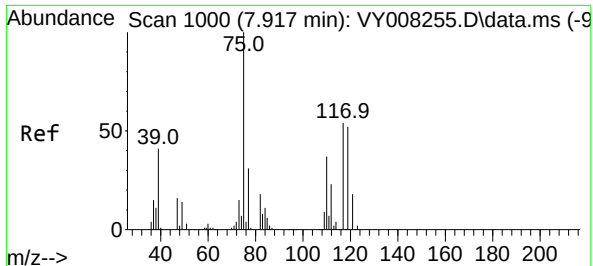
Ion Ratio Lower Upper

113 100

111 103.3 82.6 124.0

192 18.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.571 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008360.D

Acq: 15 Apr 2022 18:46

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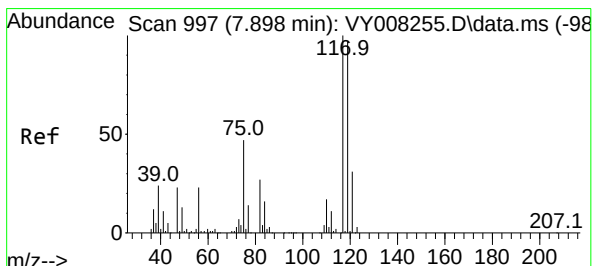
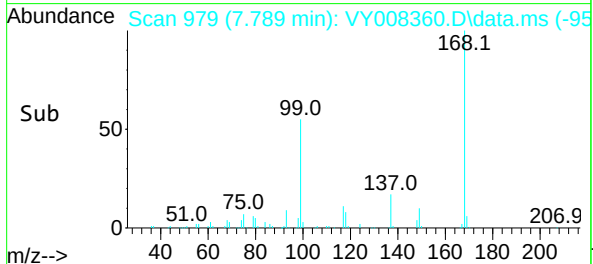
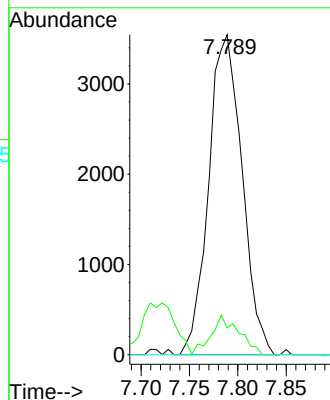
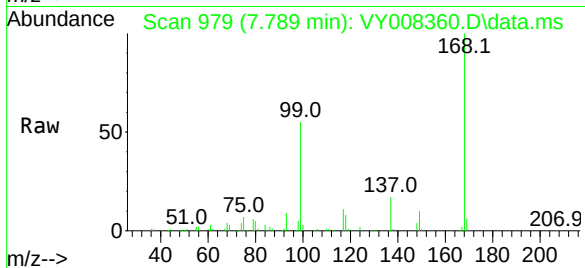
Tgt Ion: 75 Resp: 8506

Ion Ratio Lower Upper

75 100

110 10.3 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.595 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.109 min

Lab File: VY008360.D

Acq: 15 Apr 2022 18:46

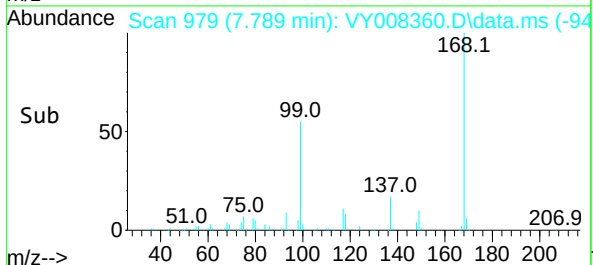
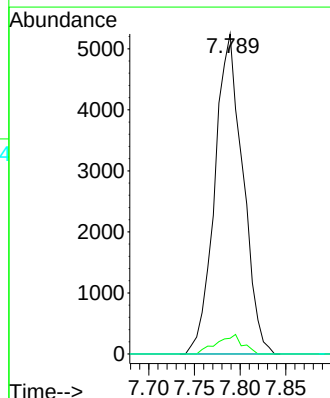
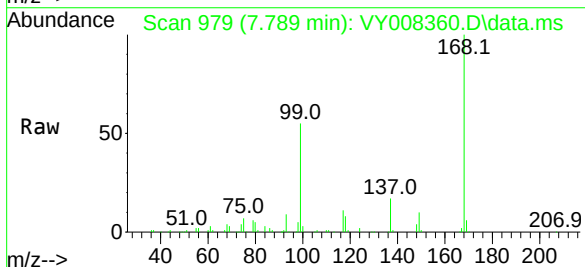
Tgt Ion: 117 Resp: 11200

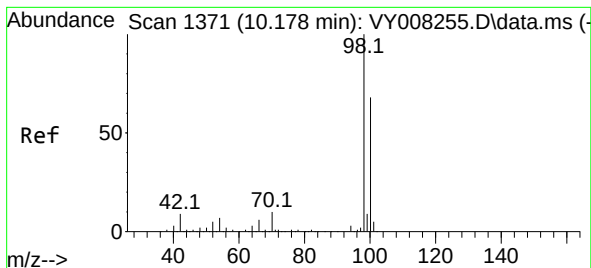
Ion Ratio Lower Upper

117 100

119 4.9 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 62.103 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY008360.D

Acq: 15 Apr 2022 18:46

Instrument :

MSVOA_Y

ClientSampleId :

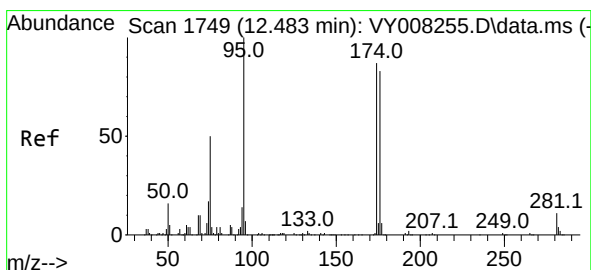
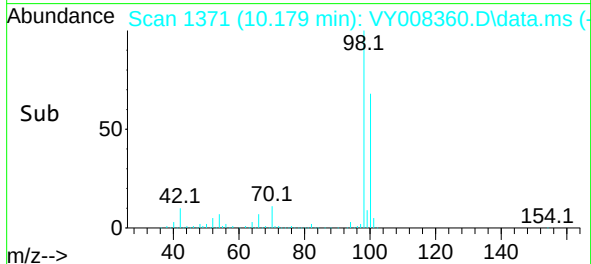
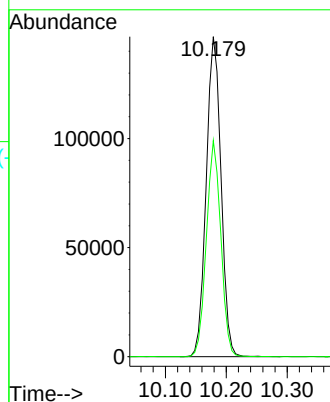
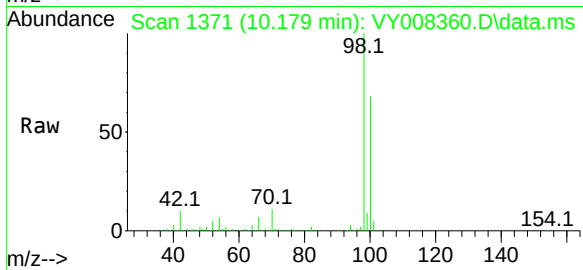
VIBLK

Tgt Ion: 98 Resp: 247624

Ion Ratio Lower Upper

98 100

100 65.8 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 57.265 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008360.D

Acq: 15 Apr 2022 18:46

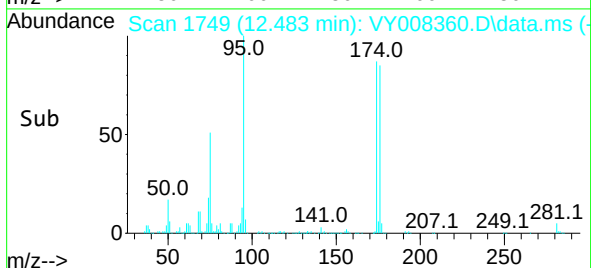
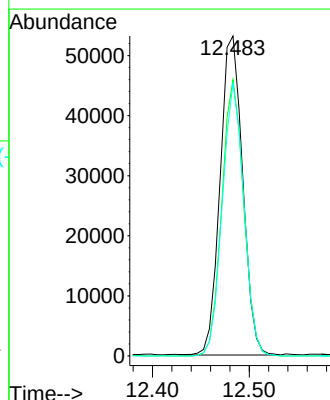
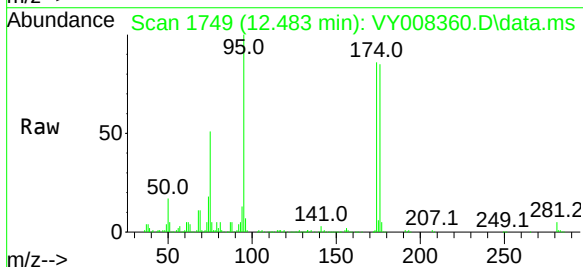
Tgt Ion: 95 Resp: 85882

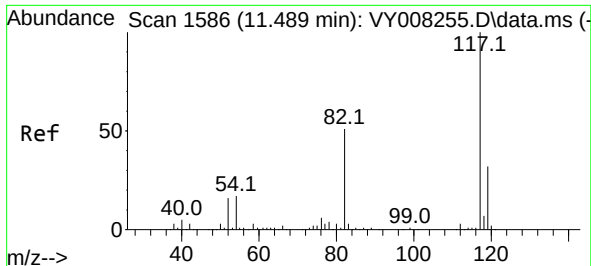
Ion Ratio Lower Upper

95 100

174 83.5 0.0 177.0

176 81.8 0.0 175.8

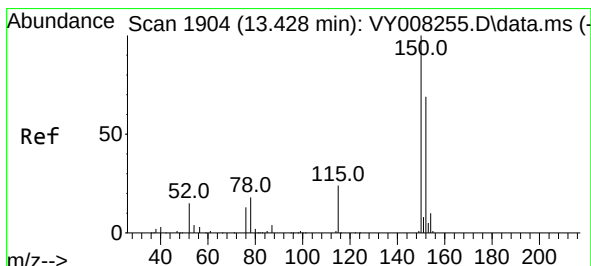
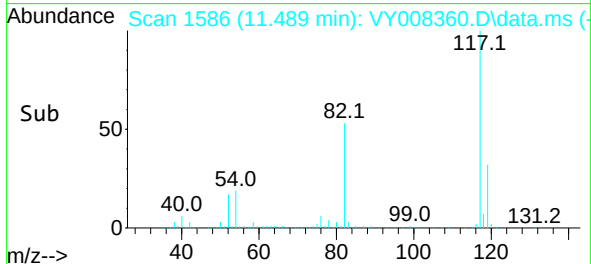
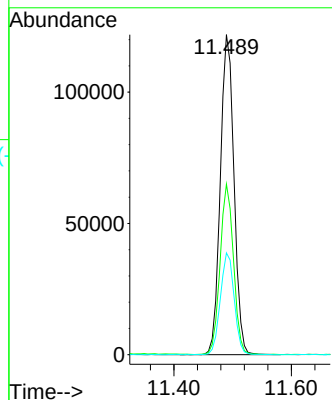
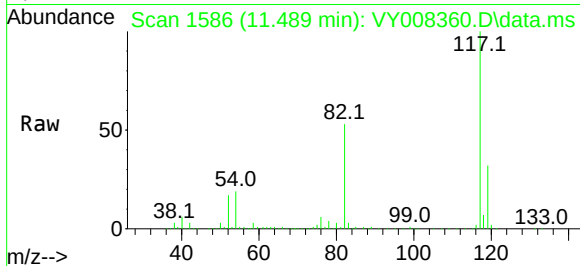




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

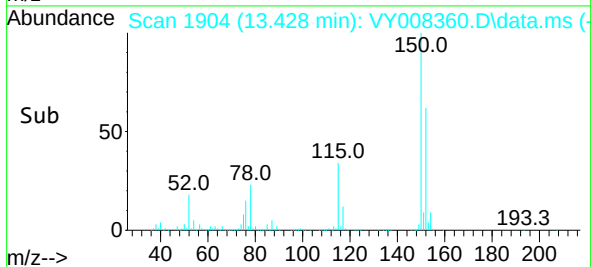
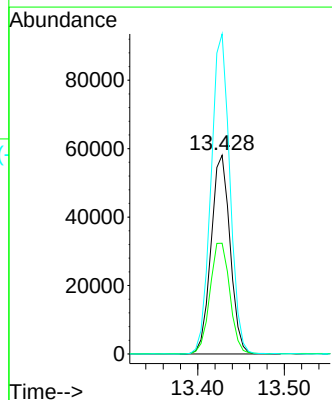
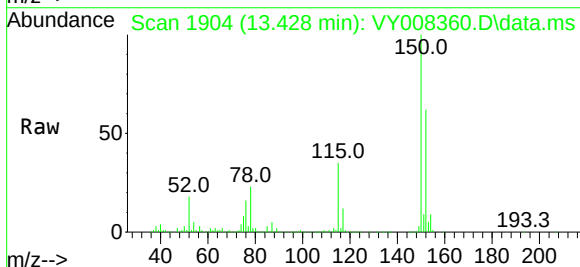
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

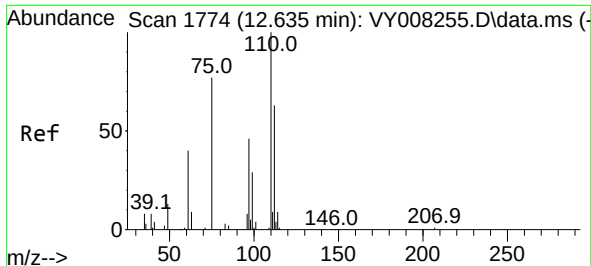
Tgt Ion:117 Resp: 196493
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Tgt Ion:152 Resp: 88657
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 159.2 0.0 347.6

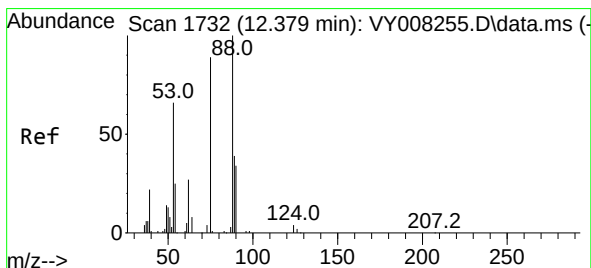
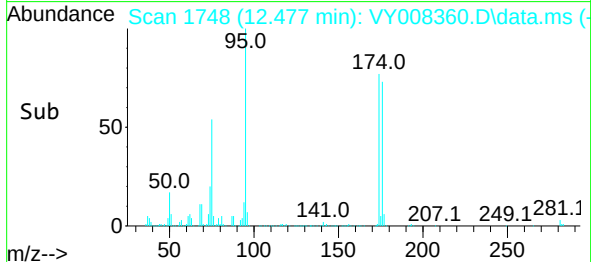
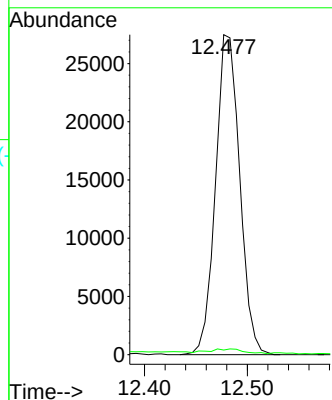
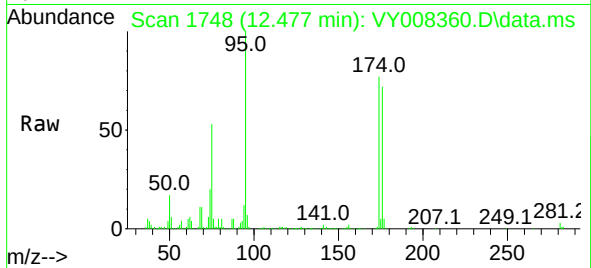




#76
1,2,3-Trichloropropane
Concen: 45.758 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 44867
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.382 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008360.D
Acq: 15 Apr 2022 18:46

Tgt Ion: 75 Resp: 44867
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.3 37.0 55.4#

