

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022222\
 Data File : VY007582.D
 Acq On : 22 Feb 2022 14:55
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 22 16:11:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 21 15:25:36 2022
 Response via : Initial Calibration

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

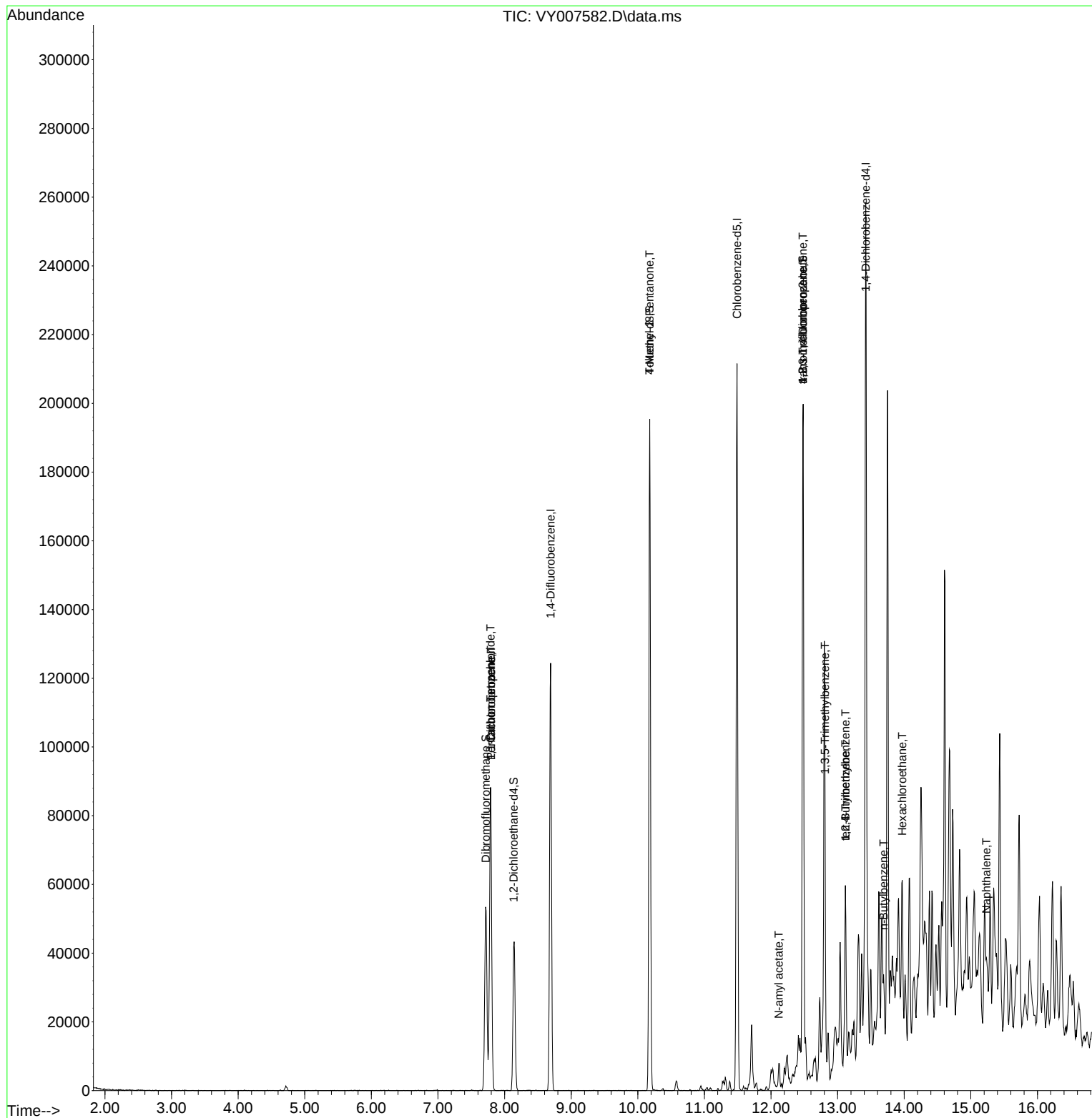
Internal Standards						
1) Pentafluorobenzene	7.795	168	62857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	99967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	104106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	51200	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36736	56.429	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.860%	
35) Dibromofluoromethane	7.715	113	34378	54.235	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.460%	
50) Toluene-d8	10.178	98	121744	55.393	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.780%	
62) 4-Bromofluorobenzene	12.477	95	50258	63.154	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.300%	
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.472	43	52	Below Cal	#	56
20) Methylene Chloride	4.734	84	759	Below Cal	#	65
31) Cyclohexane	7.782	56	1440	Below Cal	#	38
36) 1,1-Dichloropropene	7.795	75	4825	5.209	ug/l #	55
38) Carbon Tetrachloride	7.789	117	7301	5.853	ug/l #	14
51) 4-Methyl-2-Pentanone	10.178	43	688	1.780	ug/l #	1
74) N-amyl acetate	12.117	43	1662	2.114	ug/l #	67
76) 1,2,3-Trichloropropane	12.477	75	31749	52.975	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	6624	1.950	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.477	75	31749	129.828	ug/l #	8
83) tert-Butylbenzene	13.117	119	3341	1.104	ug/l #	48
84) 1,2,4-Trimethylbenzene	13.117	105	24300	7.277	ug/l	100
89) n-Butylbenzene	13.690	91	10900	3.244	ug/l #	71
90) Hexachloroethane	13.970	117	1883	2.585	ug/l #	6
95) Naphthalene	15.232	128	6208	2.808	ug/l #	83

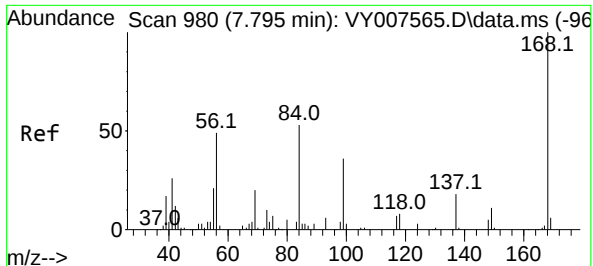
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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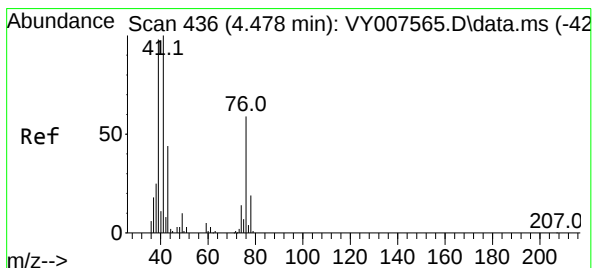
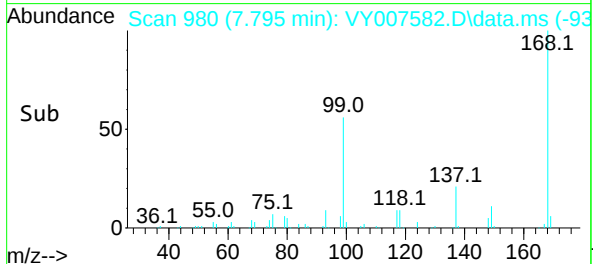
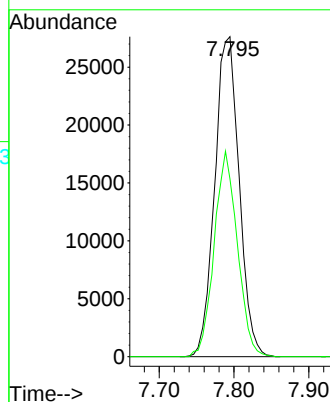
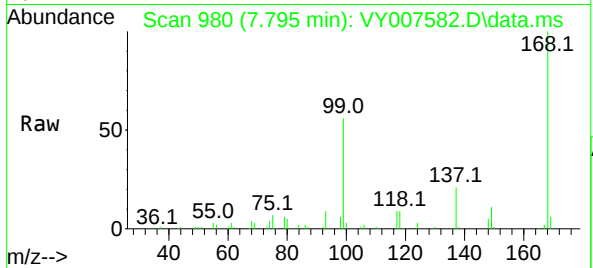




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

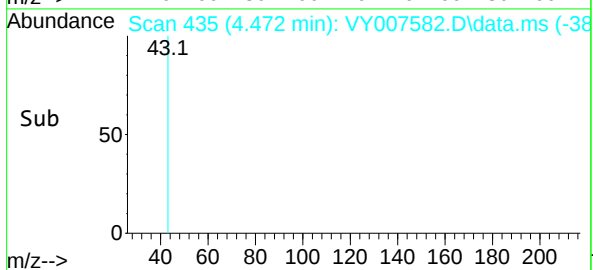
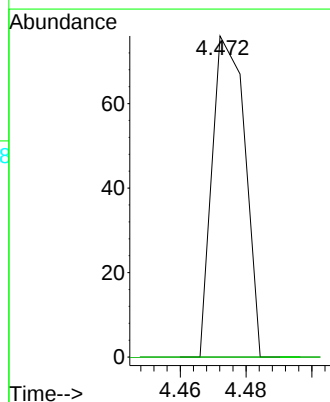
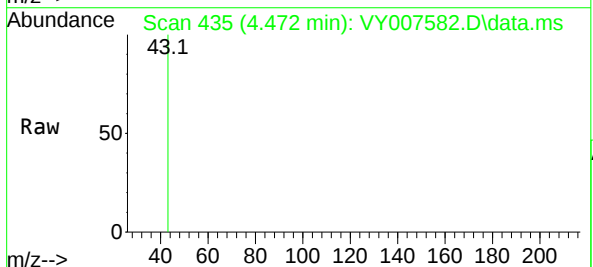
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

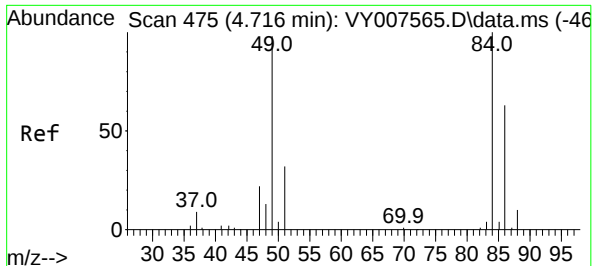
Tgt Ion:168 Resp: 62857
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.006 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion: 43 Resp: 52
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.734 min Scan# 41

Delta R.T. 0.018 min

Lab File: VY007582.D

Acq: 22 Feb 2022 14:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 759

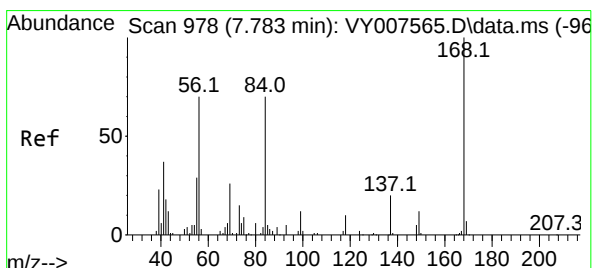
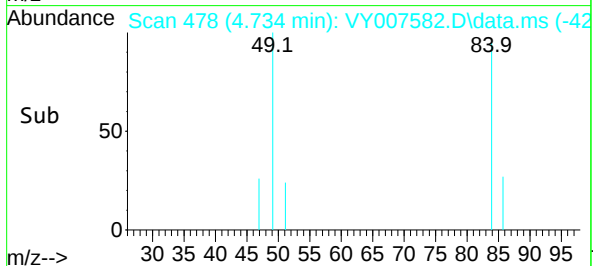
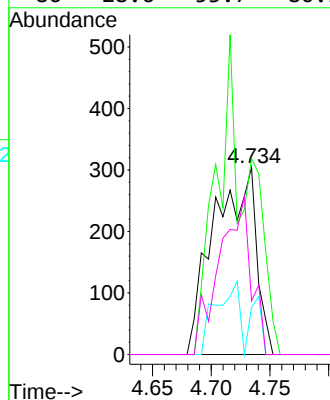
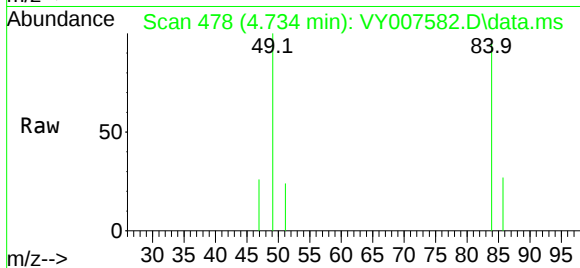
Ion Ratio Lower Upper

84 100

49 104.9 114.4 171.6#

51 25.3 35.3 52.9#

86 28.6 53.7 80.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.782 min Scan# 978

Delta R.T. -0.001 min

Lab File: VY007582.D

Acq: 22 Feb 2022 14:55

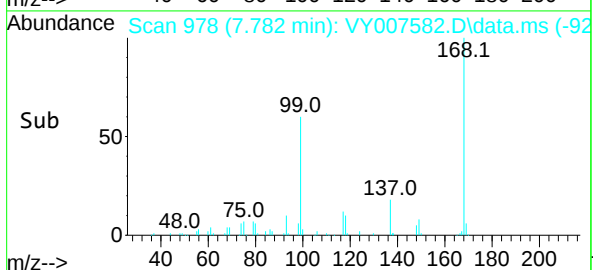
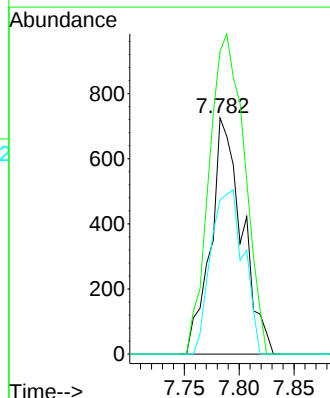
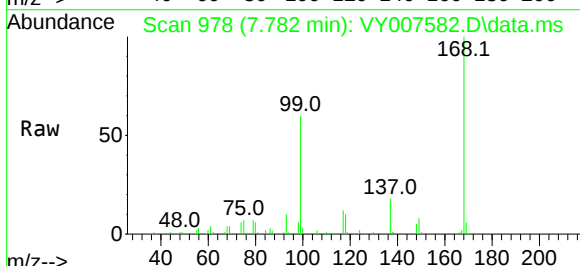
Tgt Ion: 56 Resp: 1440

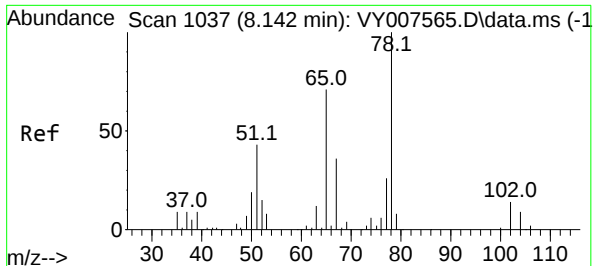
Ion Ratio Lower Upper

56 100

69 128.3 26.7 40.1#

84 65.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.429 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY007582.D

Acq: 22 Feb 2022 14:55

Instrument :

MSVOA_Y

ClientSampleId :

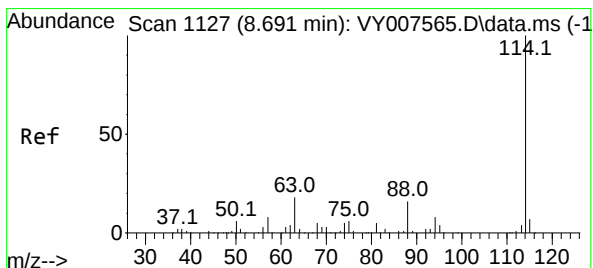
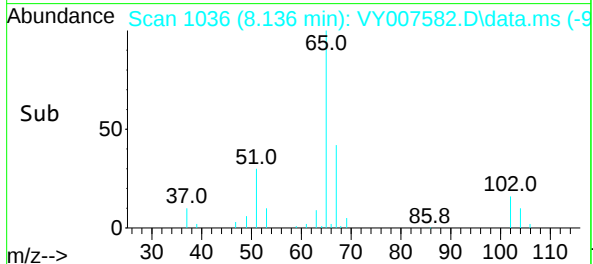
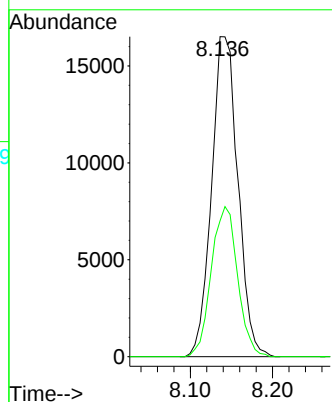
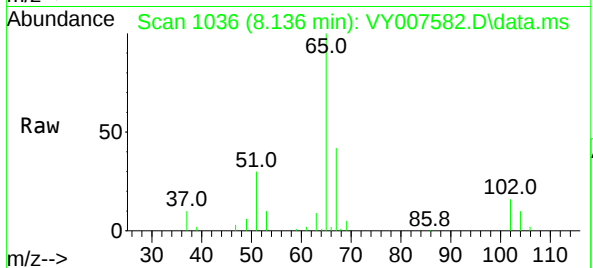
VIBLK

Tgt Ion: 65 Resp: 36736

Ion Ratio Lower Upper

65 100

67 46.8 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: VY007582.D

Acq: 22 Feb 2022 14:55

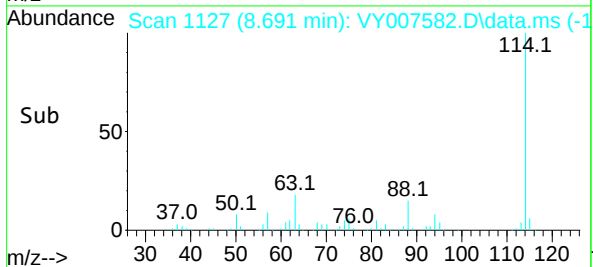
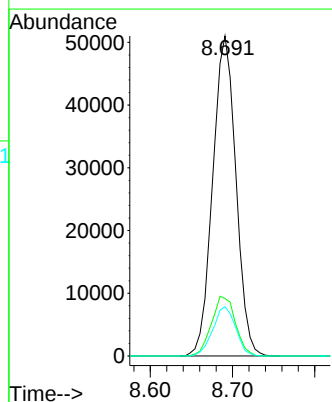
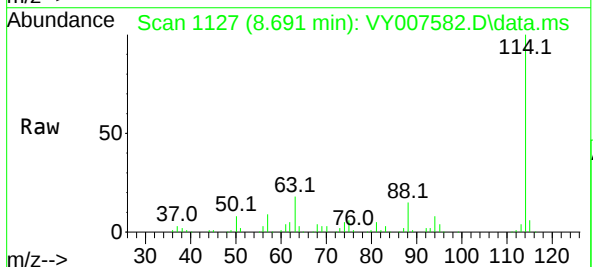
Tgt Ion: 114 Resp: 99967

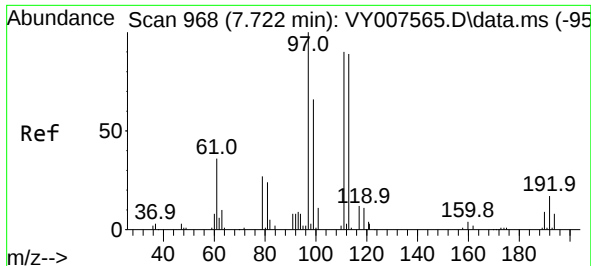
Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 15.4 0.0 31.8

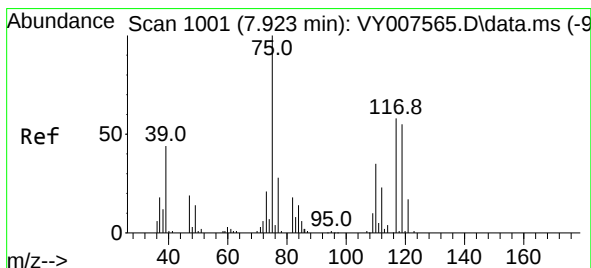
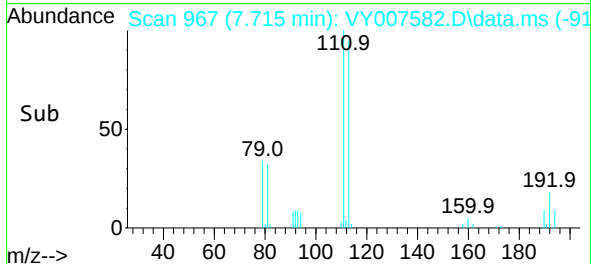
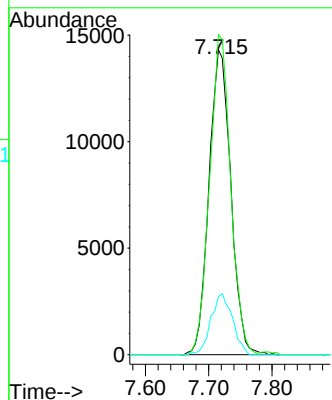
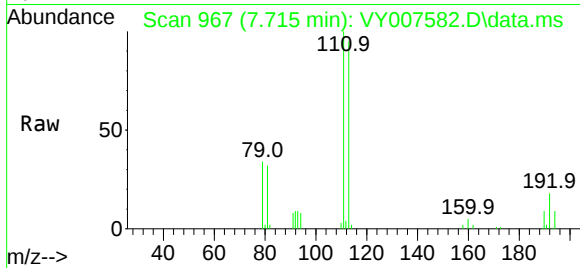




#35
Dibromofluoromethane
Concen: 54.235 ug/l
RT: 7.715 min Scan# 91
Delta R.T. -0.007 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

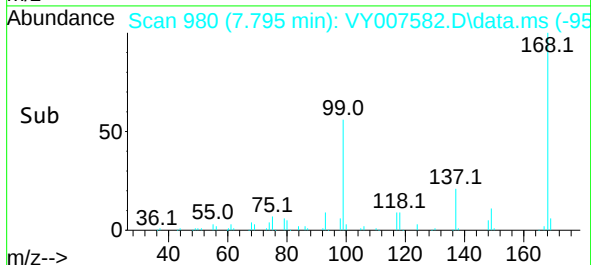
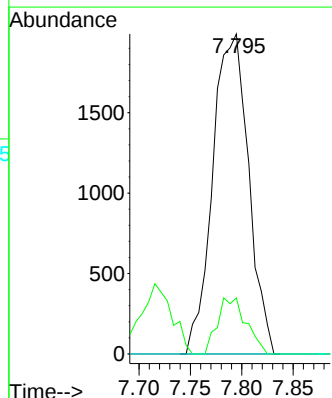
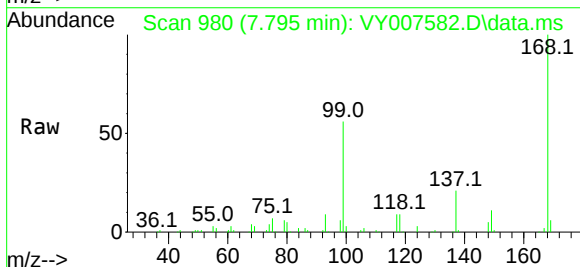
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

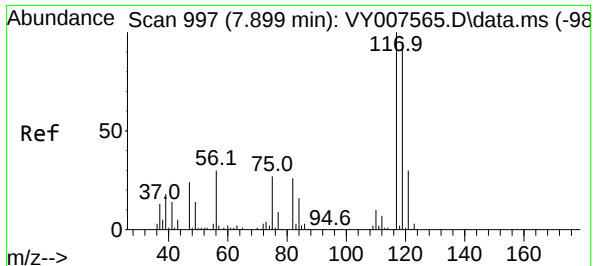
Tgt Ion:113 Resp: 34378
Ion Ratio Lower Upper
113 100
111 101.1 82.6 124.0
192 19.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.209 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion: 75 Resp: 4825
Ion Ratio Lower Upper
75 100
110 14.1 17.1 51.2#
77 0.0 24.4 36.6#

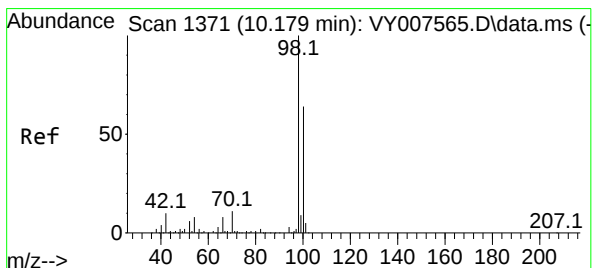
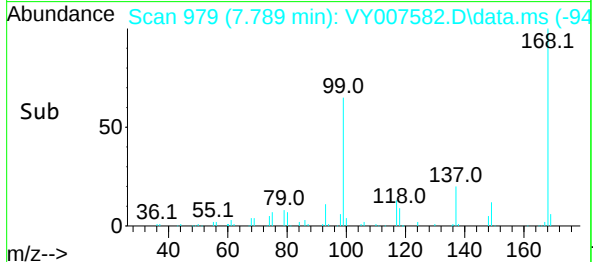
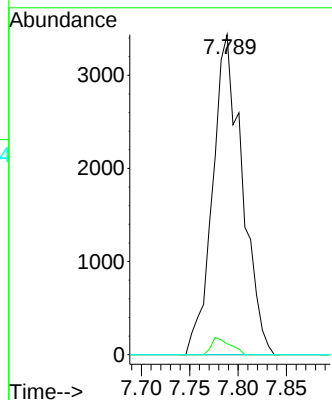
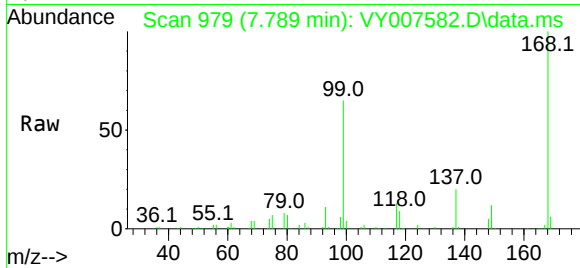




#38
Carbon Tetrachloride
Concen: 5.853 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

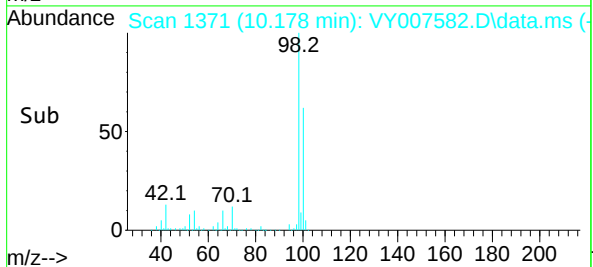
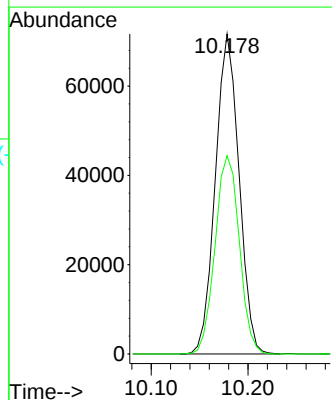
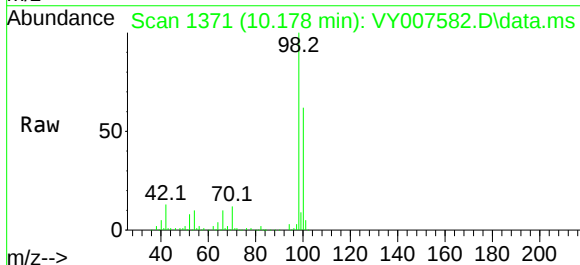
Instrument :
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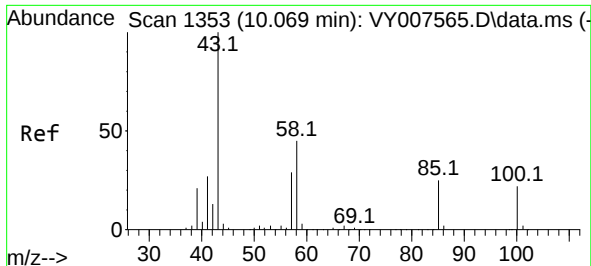
Tgt Ion:117 Resp: 7301
Ion Ratio Lower Upper
117 100
119 3.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.393 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion: 98 Resp: 121744
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

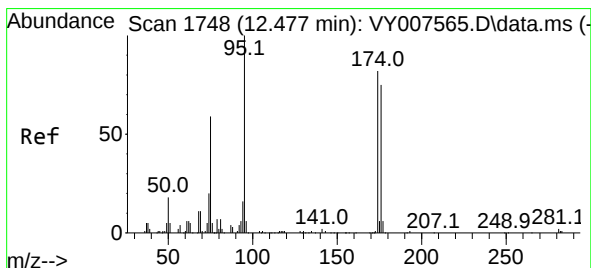
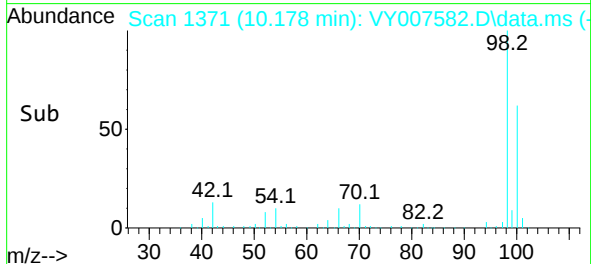
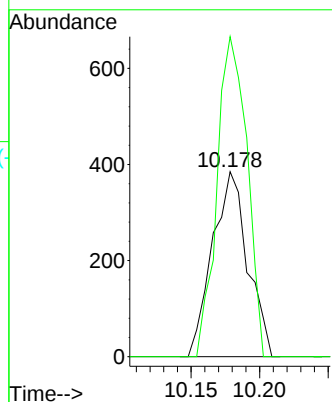
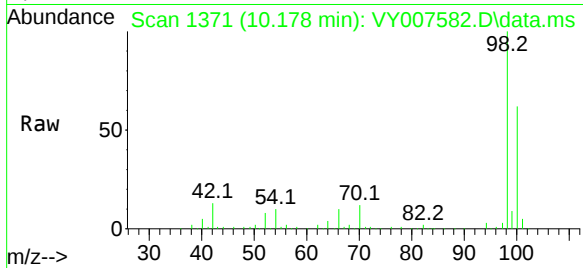




#51
4-Methyl-2-Pentanone
Concen: 1.780 ug/l
RT: 10.178 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

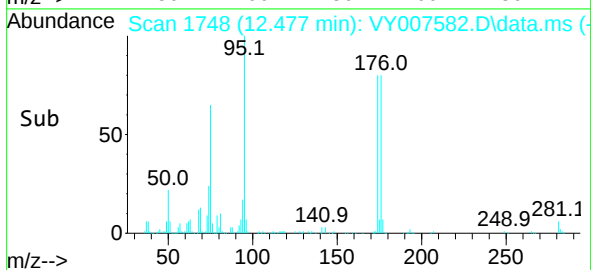
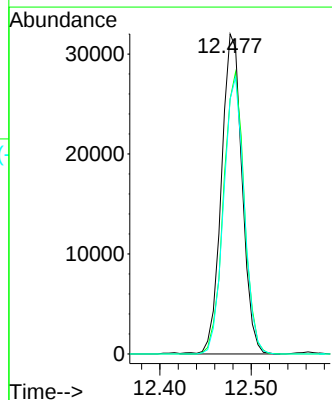
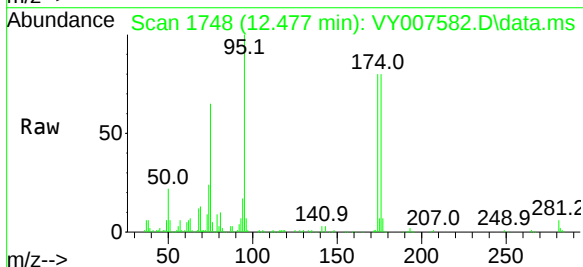
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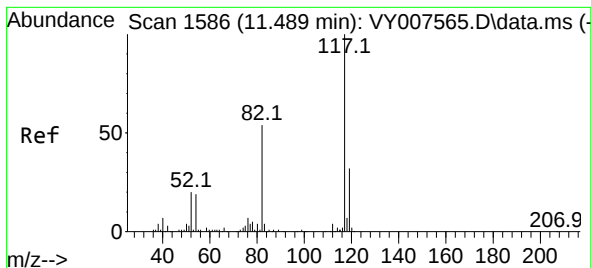
Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
58 147.2 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 63.154 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion: 95 Resp: 50258
Ion Ratio Lower Upper
95 100
174 88.0 0.0 177.0
176 85.8 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: VY007582.D

Acq: 22 Feb 2022 14:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

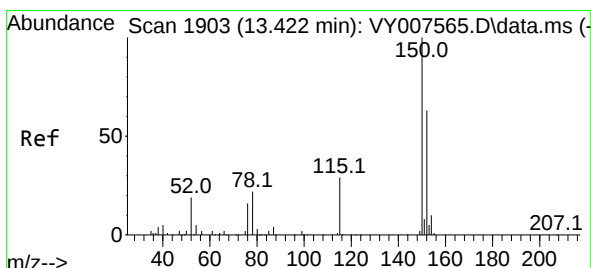
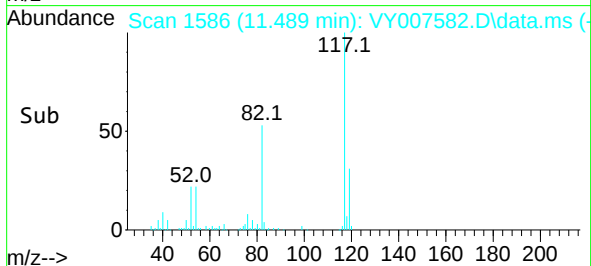
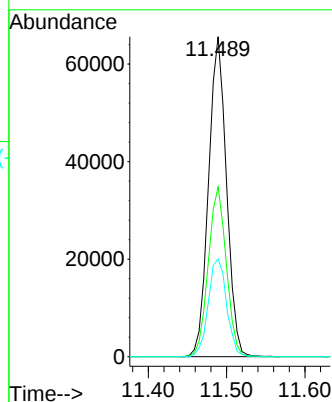
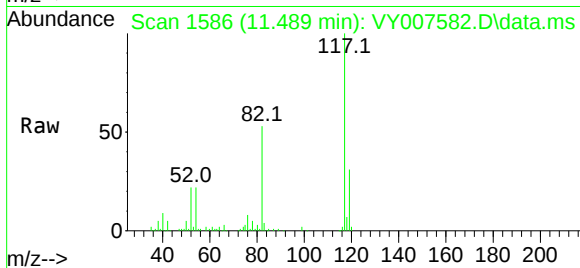
Tgt Ion:117 Resp: 104106

Ion Ratio Lower Upper

117 100

82 53.0 43.0 64.4

119 30.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY007582.D

Acq: 22 Feb 2022 14:55

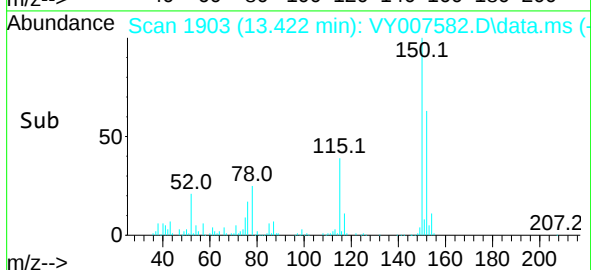
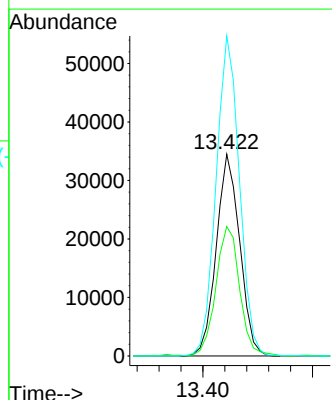
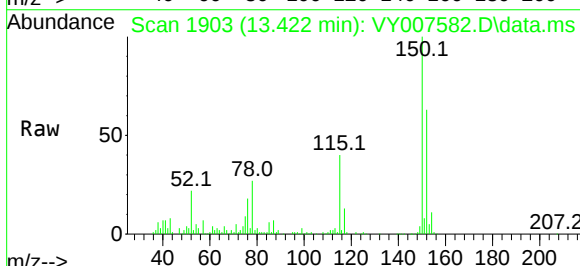
Tgt Ion:152 Resp: 51200

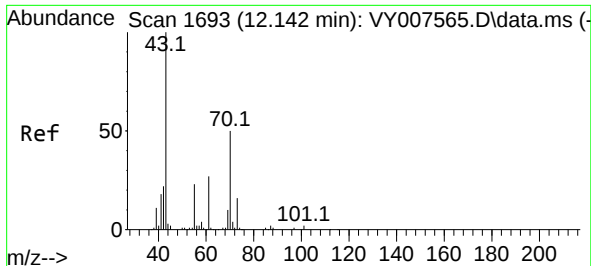
Ion Ratio Lower Upper

152 100

115 65.0 28.2 84.7

150 158.1 0.0 347.6

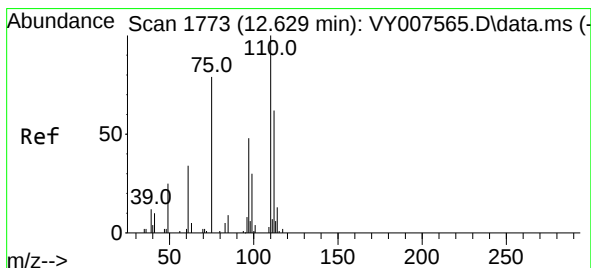
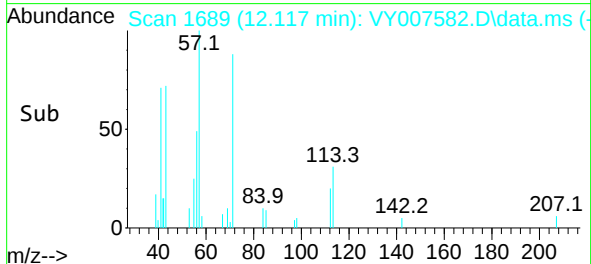
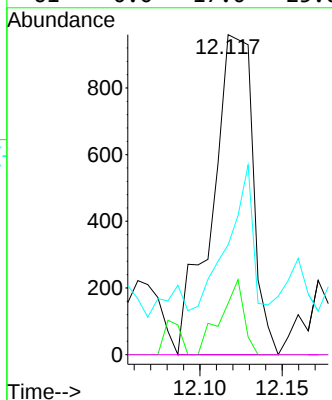
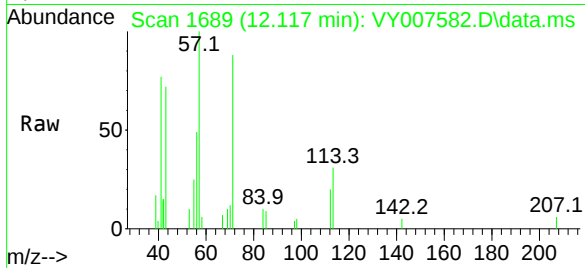




#74
N-amy1 acetate
Concen: 2.114 ug/l
RT: 12.117 min Scan# 1
Delta R.T. -0.025 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

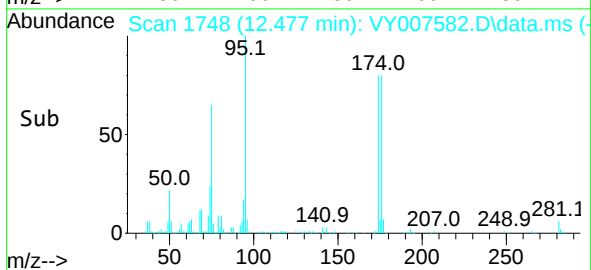
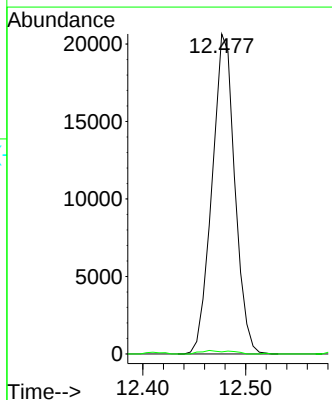
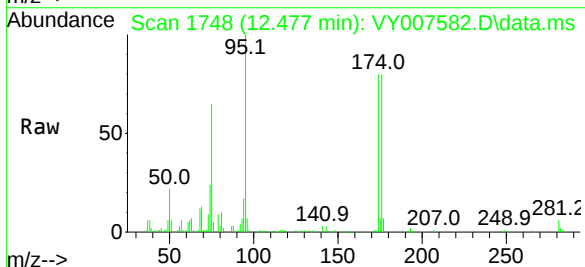
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

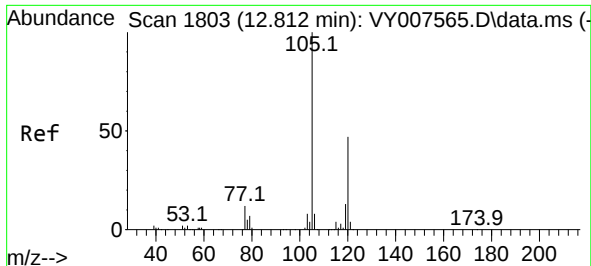
Tgt Ion:	43	Resp:	1662
Ion	Ratio	Lower	Upper
43	100		
70	13.4	28.7	43.1#
55	26.7	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 52.975 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion:	75	Resp:	31749
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#

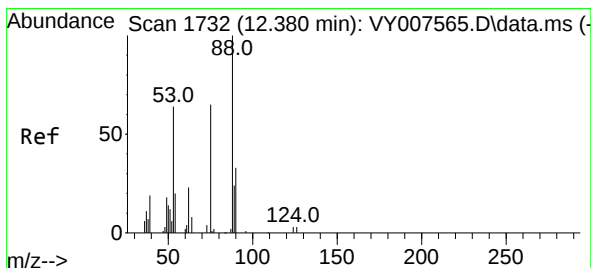
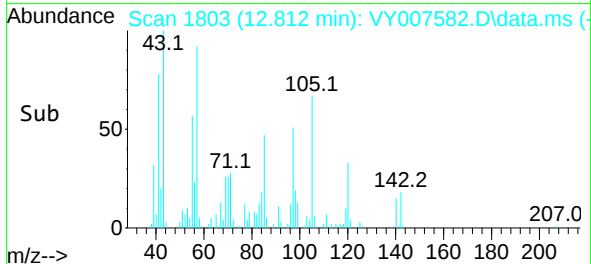
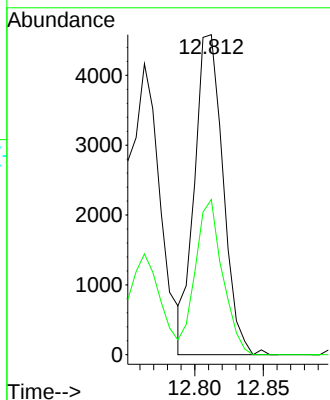
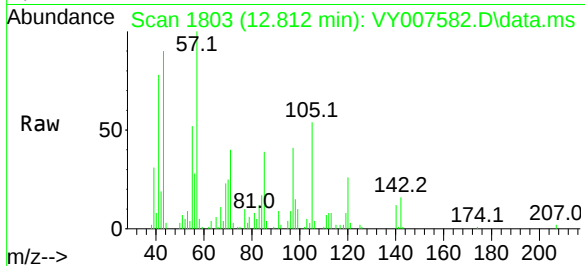




#80
1,3,5-Trimethylbenzene
Concen: 1.950 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

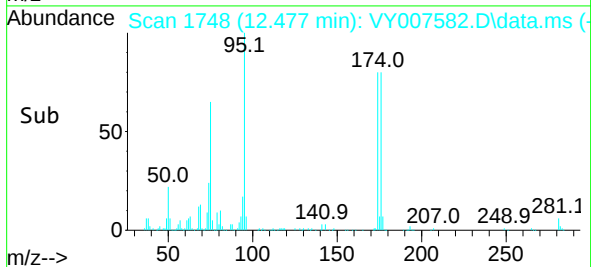
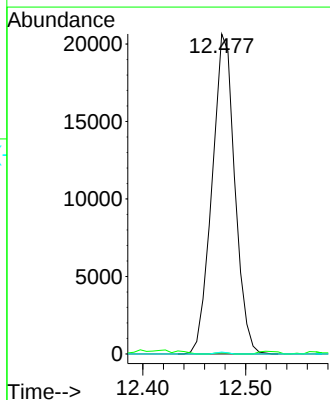
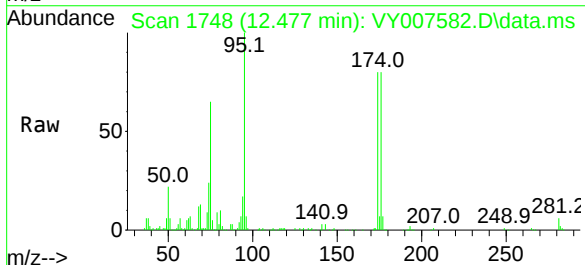
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

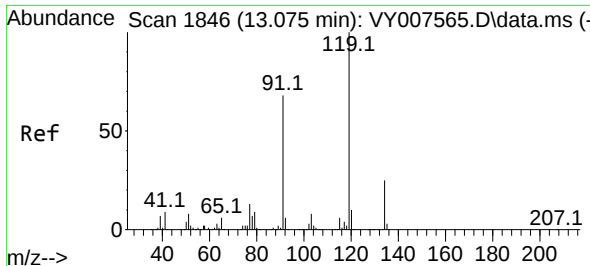
Tgt Ion:105 Resp: 6624
Ion Ratio Lower Upper
105 100
120 46.3 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 129.828 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion: 75 Resp: 31749
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.3 37.0 55.4#

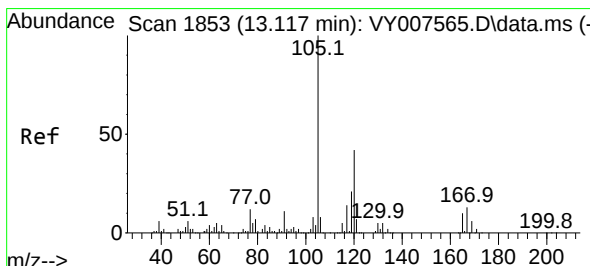
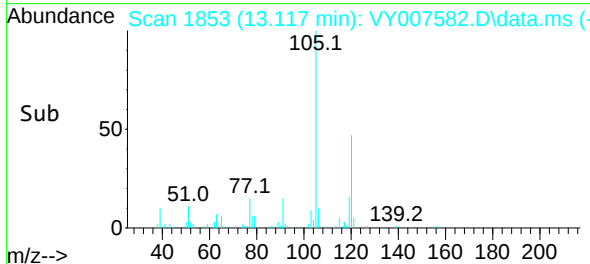
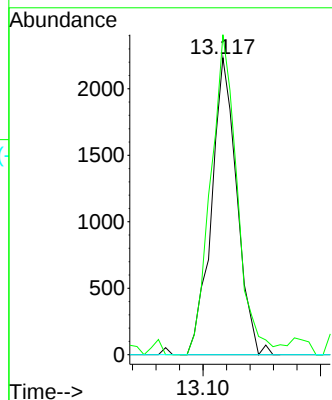
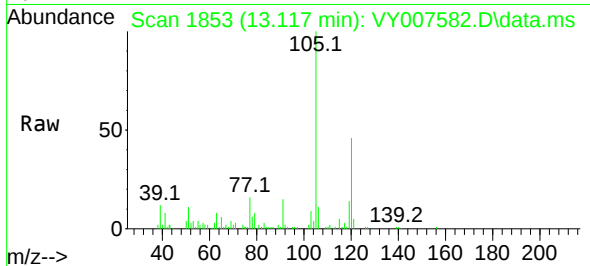




#83
tert-Butylbenzene
Concen: 1.104 ug/l
RT: 13.117 min Scan# 1846
Delta R.T. 0.042 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

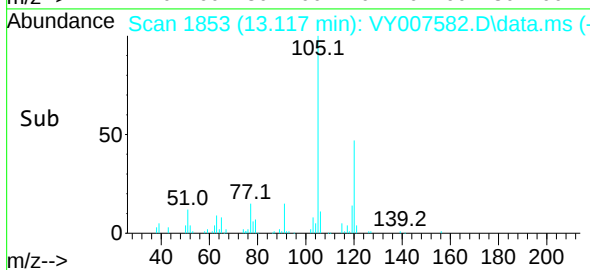
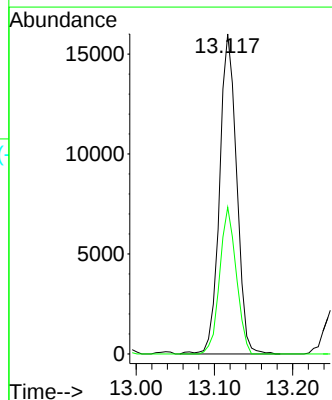
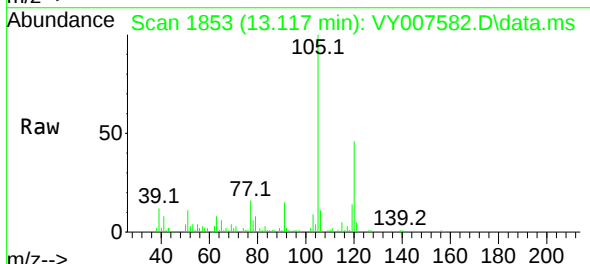
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

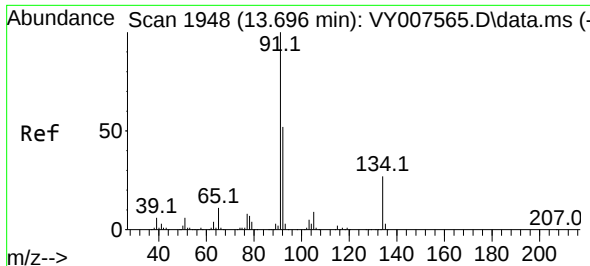
Tgt Ion:119 Resp: 3341
Ion Ratio Lower Upper
119 100
91 112.8 34.8 104.4#
134 0.0 13.3 39.9#



#84
1,2,4-Trimethylbenzene
Concen: 7.277 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion:105 Resp: 24300
Ion Ratio Lower Upper
105 100
120 44.4 22.3 66.9

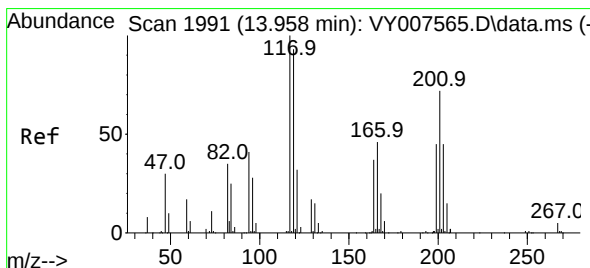
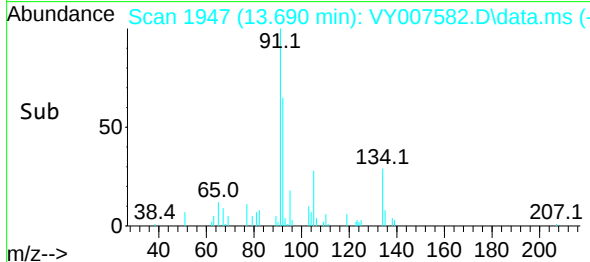
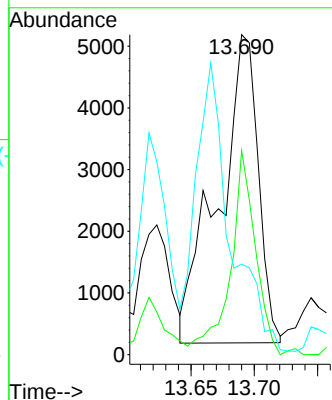
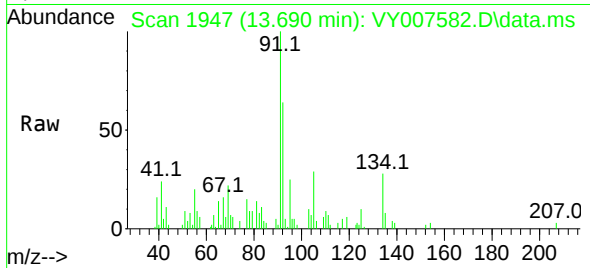




#89
n-Butylbenzene
Concen: 3.244 ug/l
RT: 13.690 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

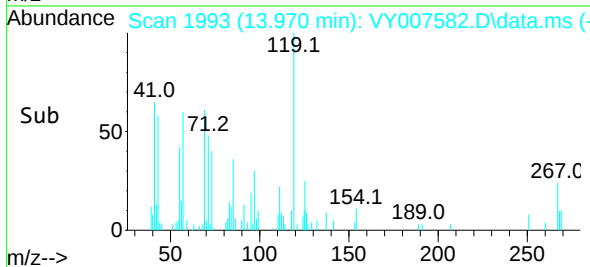
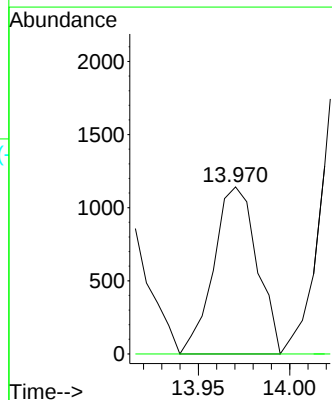
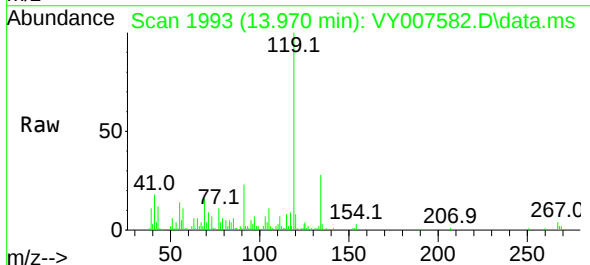
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

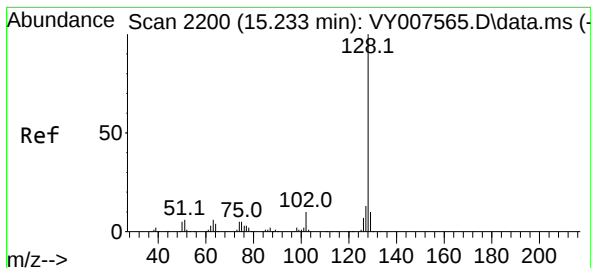
Tgt Ion: 91 Resp: 10900
Ion Ratio Lower Upper
91 100
92 39.8 26.3 78.9
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 2.585 ug/l
RT: 13.970 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007582.D
Acq: 22 Feb 2022 14:55

Tgt Ion: 117 Resp: 1883
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95

Naphthalene

Concen: 2.808 ug/l

RT: 15.232 min Scan# 21

Delta R.T. -0.001 min

Lab File: VY007582.D

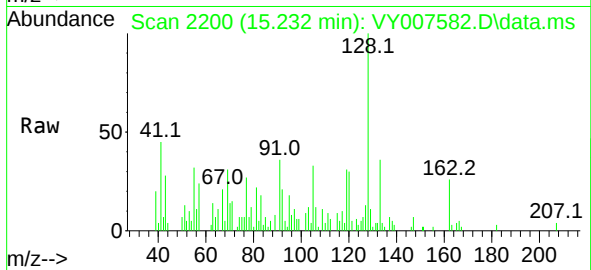
Acq: 22 Feb 2022 14:55

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 6208

Ion Ratio Lower Upper

128 100

127 22.7 11.0 16.4#

129 13.9 8.4 12.6#

