

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022222\
 Data File : VY007584.D
 Acq On : 22 Feb 2022 15:42
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Feb 22 16:11:55 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)

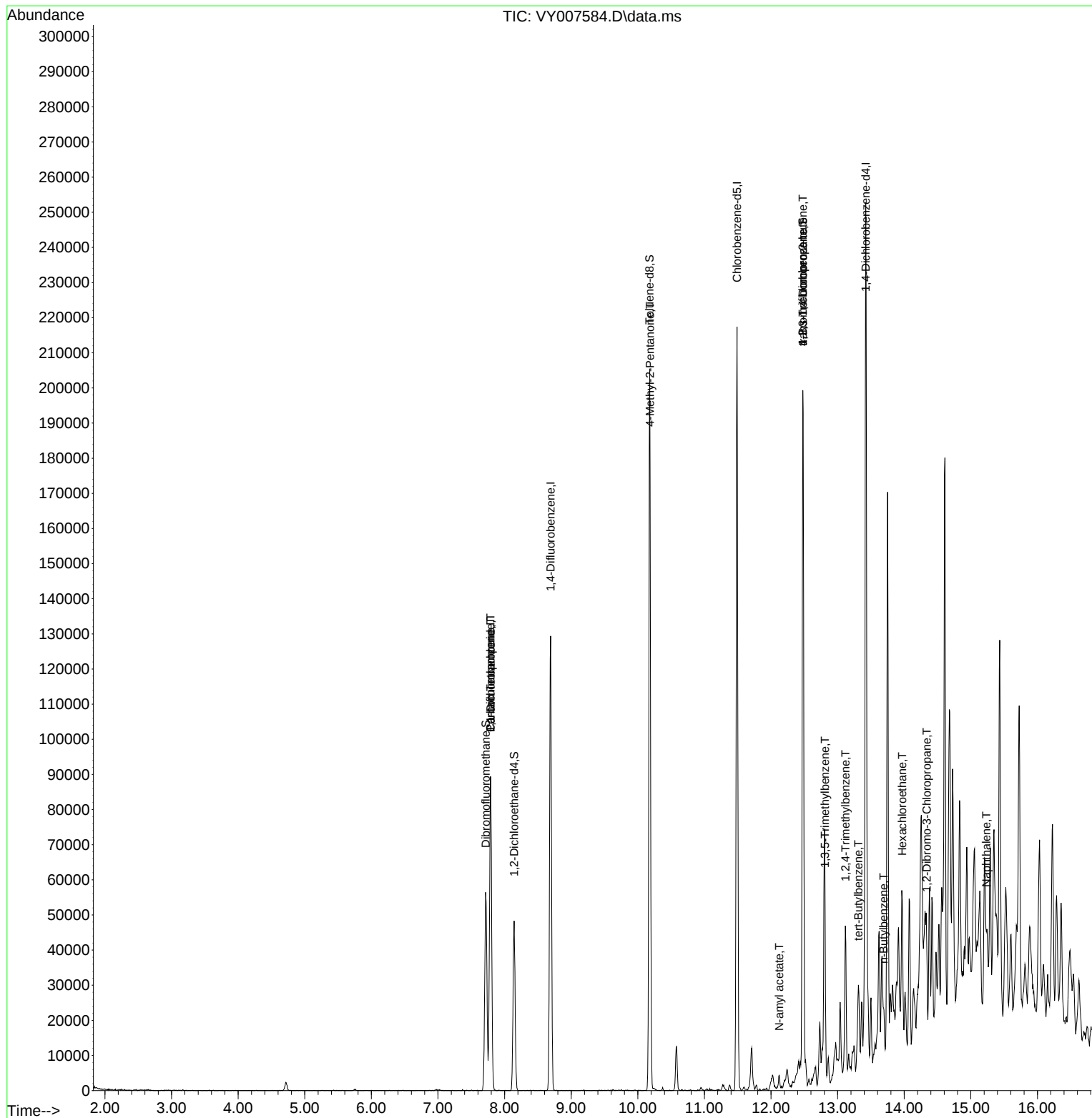
Internal Standards						
1) Pentafluorobenzene	7.789	168	63404	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	104980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	106418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53990	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	38081	57.990	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.980%			
35) Dibromofluoromethane	7.716	113	35474	53.291	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.580%			
50) Toluene-d8	10.179	98	125746	54.482	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.960%			
62) 4-Bromofluorobenzene	12.477	95	54174	64.825	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 129.640%			
Target Compounds					Qvalue	
20) Methylene Chloride	4.716	84	1331	Below Cal	#	80
31) Cyclohexane	7.789	56	1692	Below Cal	#	19
36) 1,1-Dichloropropene	7.789	75	4928	5.066	ug/l #	53
38) Carbon Tetrachloride	7.789	117	7320	5.588	ug/l #	14
51) 4-Methyl-2-Pentanone	10.185	43	635	1.565	ug/l #	1
74) N-amyl acetate	12.123	43	992	1.197	ug/l #	66
76) 1,2,3-Trichloropropane	12.477	75	32396	51.261	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	5124	1.430	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.477	75	32396	125.628	ug/l #	7
83) tert-Butylbenzene	13.312	119	3466	1.087	ug/l	68
84) 1,2,4-Trimethylbenzene	13.117	105	20960	5.953	ug/l	100
89) n-Butylbenzene	13.690	91	5845	1.650	ug/l #	78
90) Hexachloroethane	13.971	117	1653	2.152	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.336	75	281	2.039	ug/l #	6
95) Naphthalene	15.233	128	7299	3.131	ug/l #	80

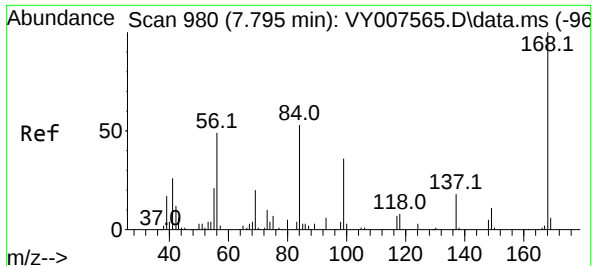
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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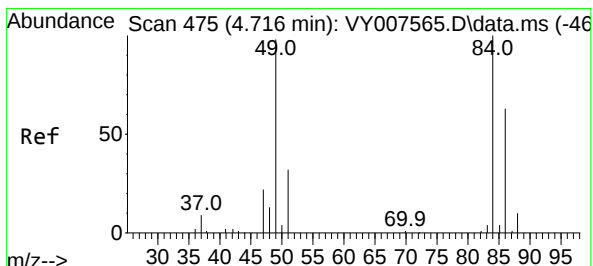
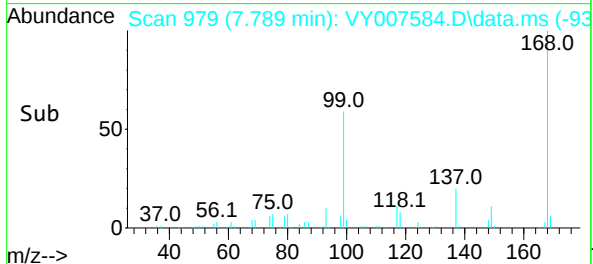
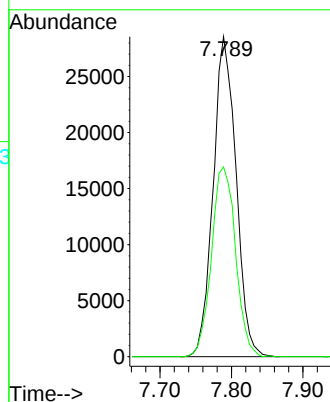
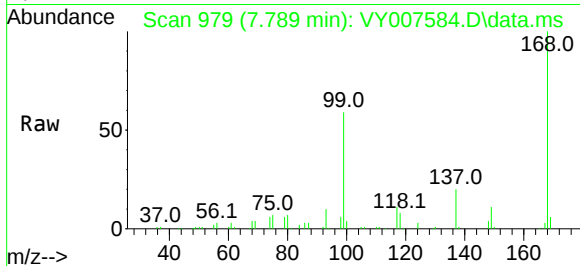




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

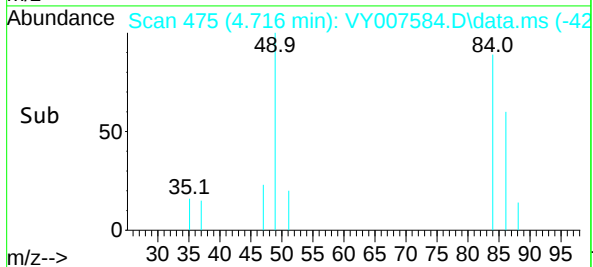
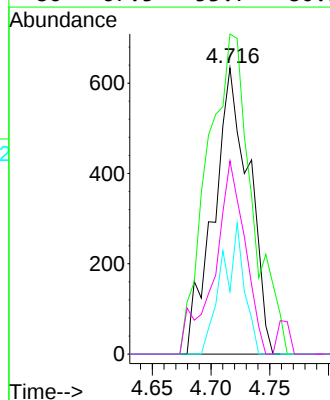
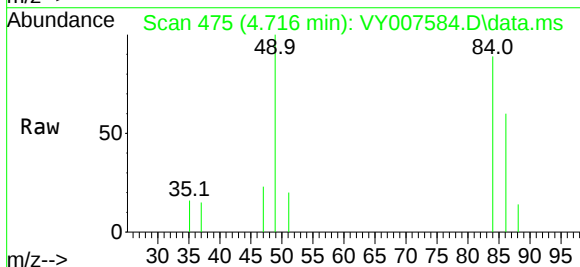
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

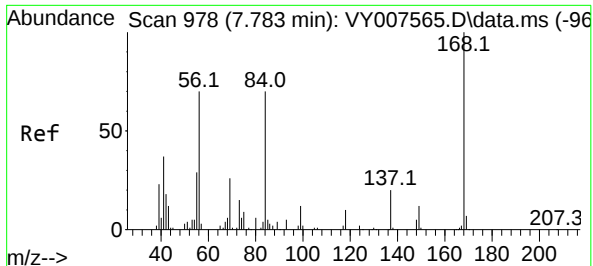
Tgt Ion:168 Resp: 63404
Ion Ratio Lower Upper
168 100
99 59.3 46.9 70.3



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

Tgt Ion: 84 Resp: 1331
Ion Ratio Lower Upper
84 100
49 111.8 114.4 171.6#
51 21.9 35.3 52.9#
86 67.5 53.7 80.5

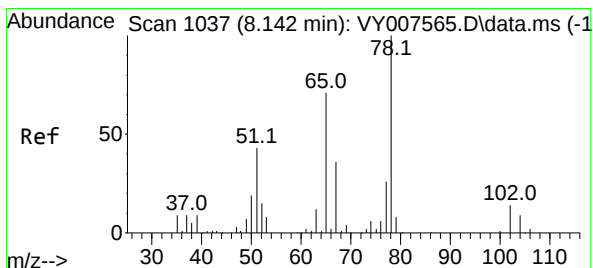
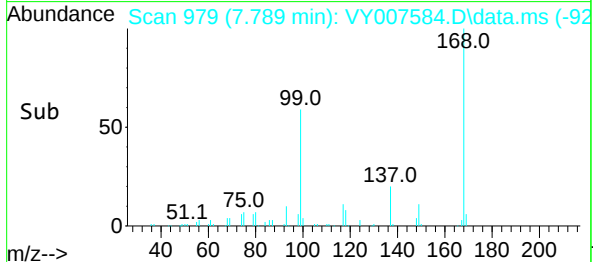
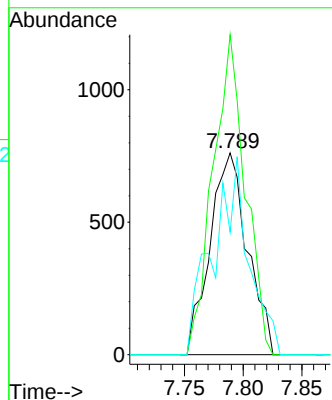
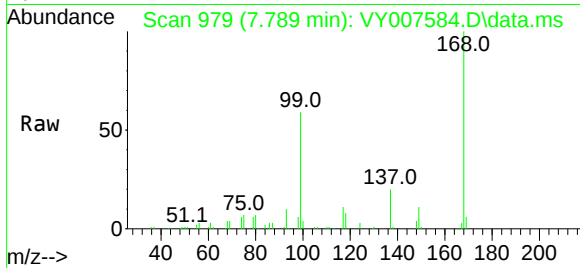




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

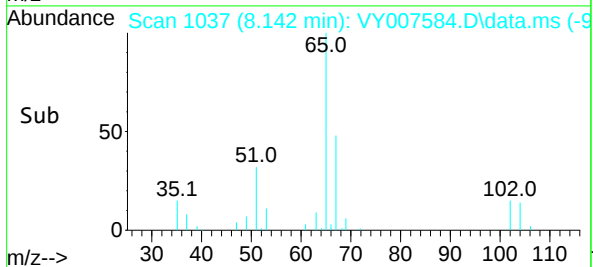
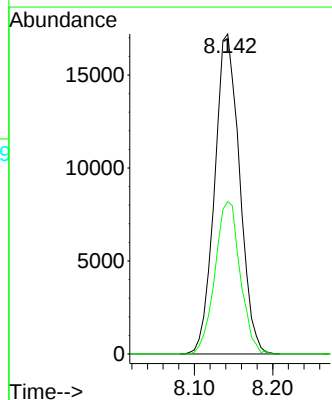
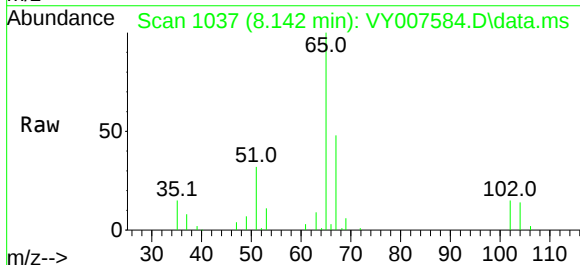
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

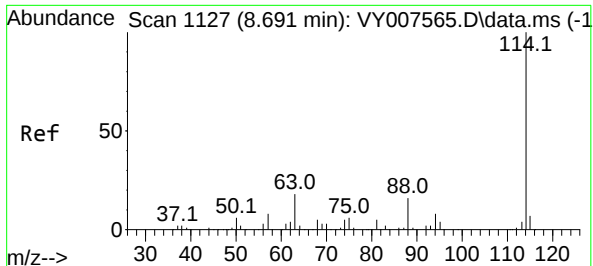
Tgt Ion: 56 Resp: 1692
Ion Ratio Lower Upper
56 100
69 158.5 26.7 40.1#
84 60.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 57.990 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

Tgt Ion: 65 Resp: 38081
Ion Ratio Lower Upper
65 100
67 48.2 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: VY007584.D

Acq: 22 Feb 2022 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

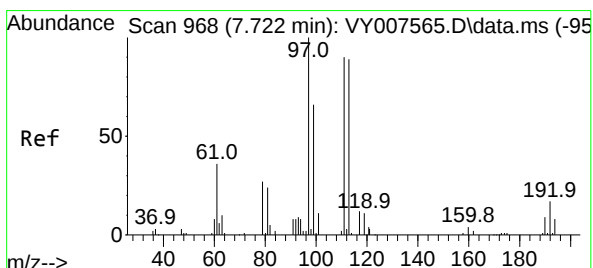
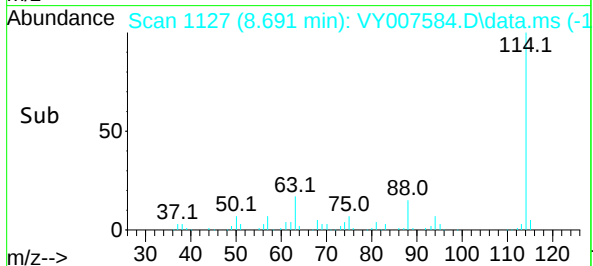
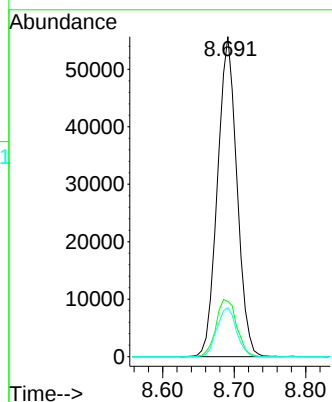
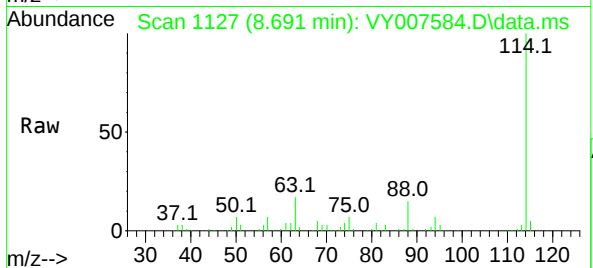
Tgt Ion:114 Resp: 104980

Ion Ratio Lower Upper

114 100

63 17.3 0.0 43.2

88 15.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.291 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.006 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

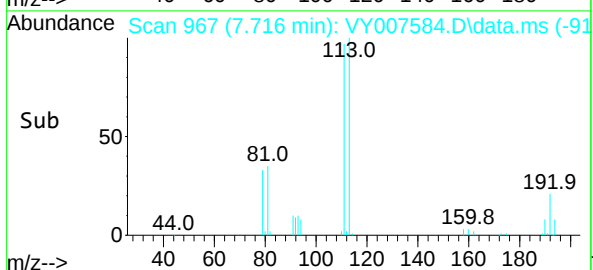
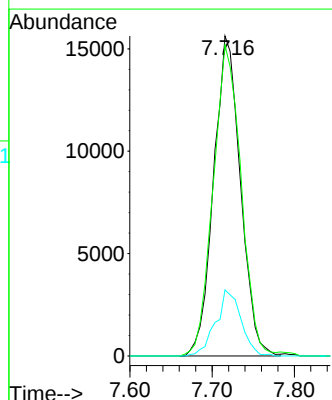
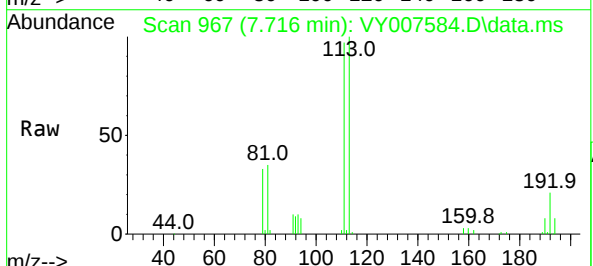
Tgt Ion:113 Resp: 35474

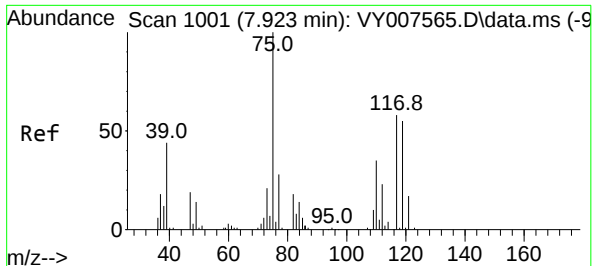
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.066 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

Instrument :

MSVOA_Y

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VIBLK

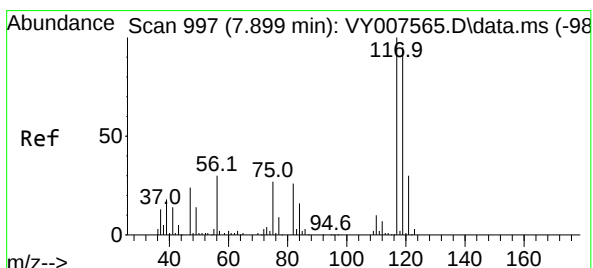
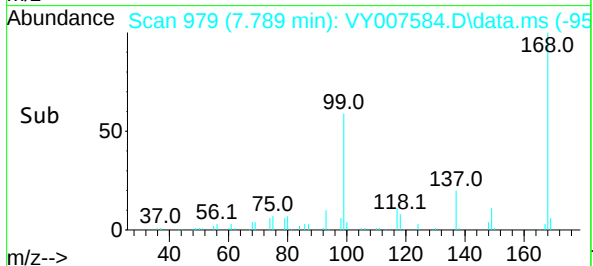
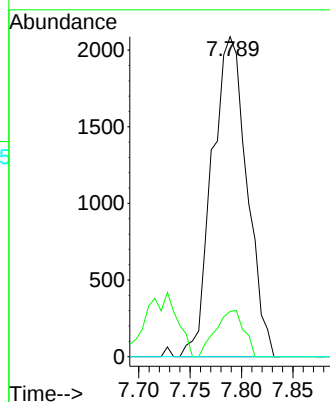
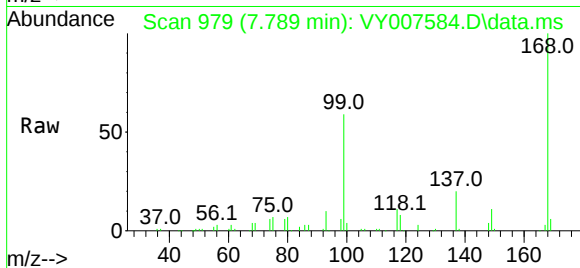
Tgt Ion: 75 Resp: 4928

Ion Ratio Lower Upper

75 100

110 11.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.588 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

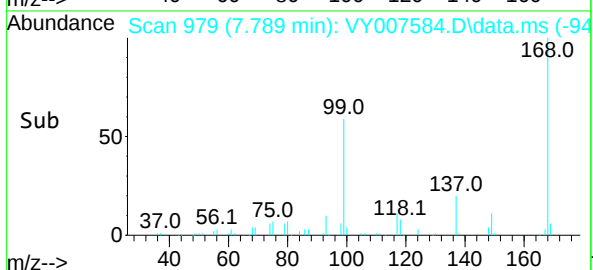
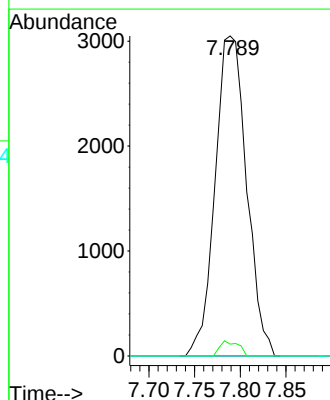
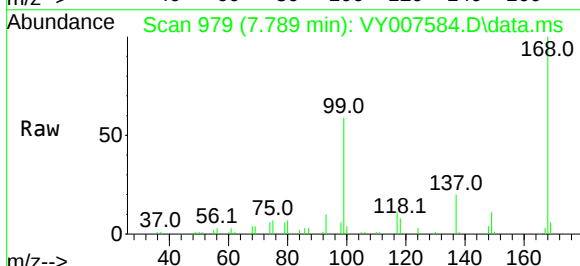
Tgt Ion: 117 Resp: 7320

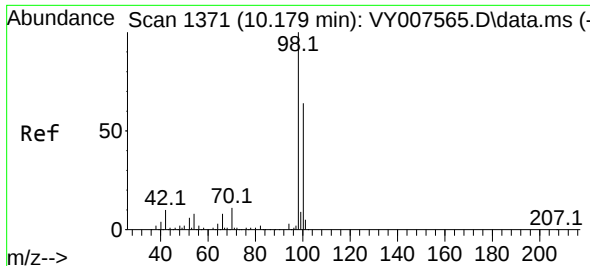
Ion Ratio Lower Upper

117 100

119 3.7 77.9 116.9#

121 0.0 24.8 37.2#

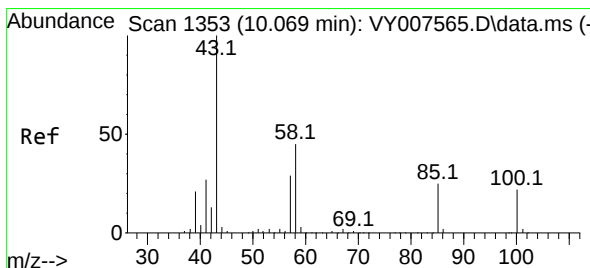
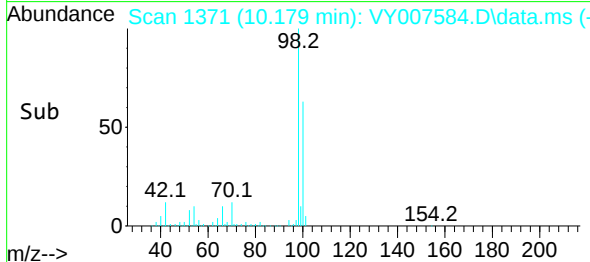
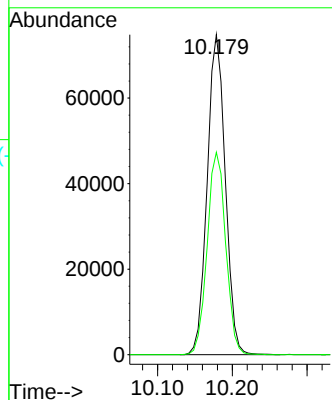
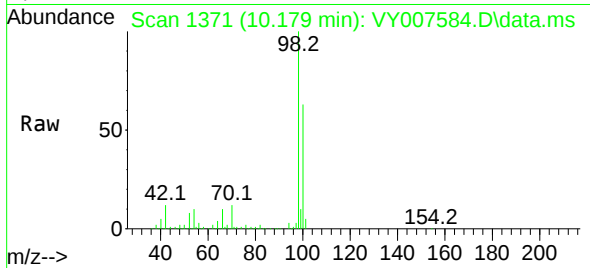




#50
Toluene-d8
Concen: 54.482 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

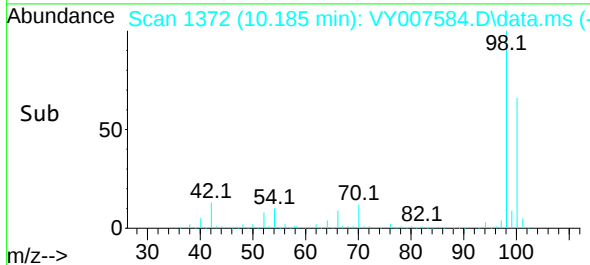
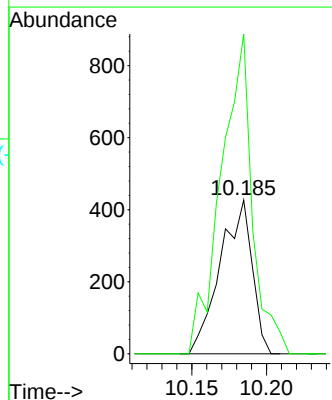
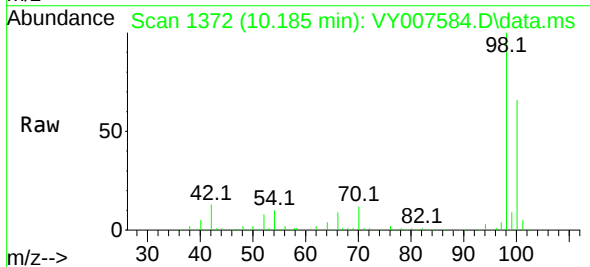
Instrument :
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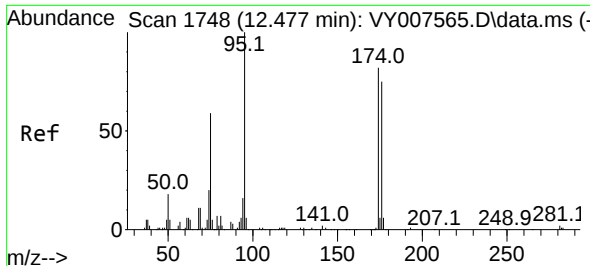
Tgt Ion: 98 Resp: 125746
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.565 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.116 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

Tgt Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
58 202.8 28.1 42.1#

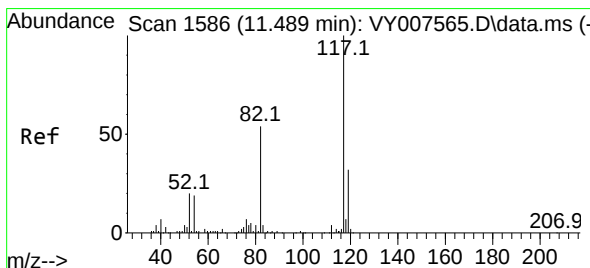
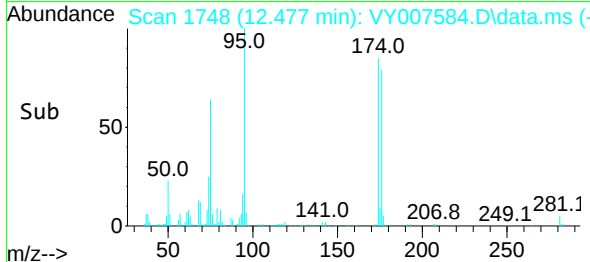
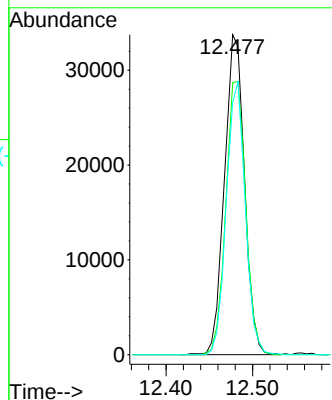
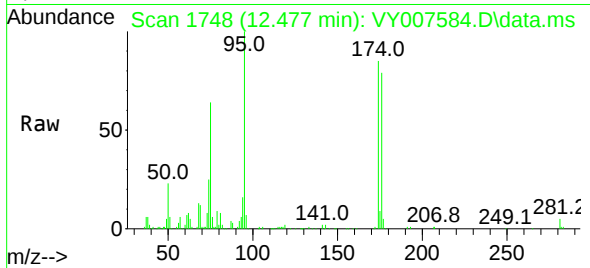




#62
4-Bromofluorobenzene
Concen: 64.825 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

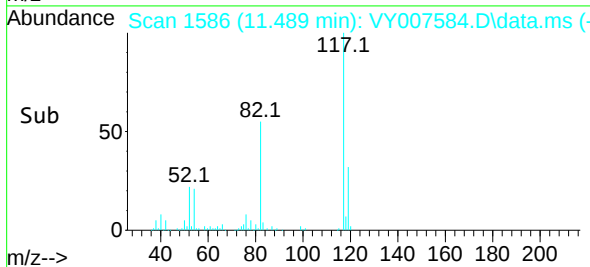
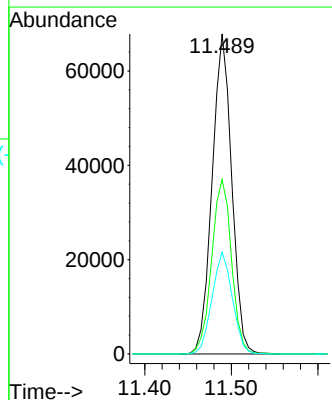
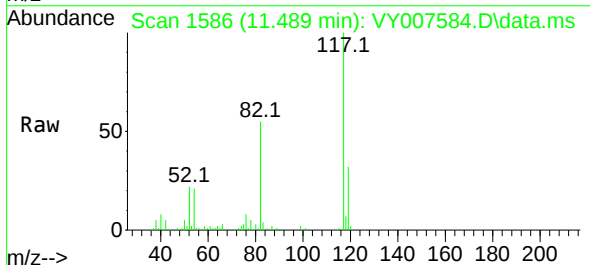
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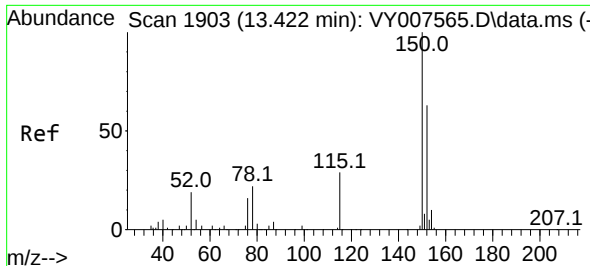
Tgt Ion:	95	Resp:	54174
Ion Ratio	Lower	Upper	
95	100		
174	85.3	0.0	177.0
176	80.5	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

Tgt Ion:	117	Resp:	106418
Ion Ratio	Lower	Upper	
117	100		
82	54.5	43.0	64.4
119	31.8	25.4	38.0

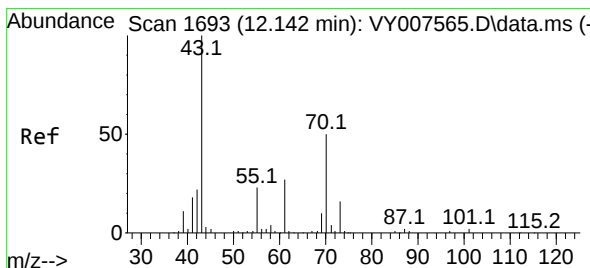
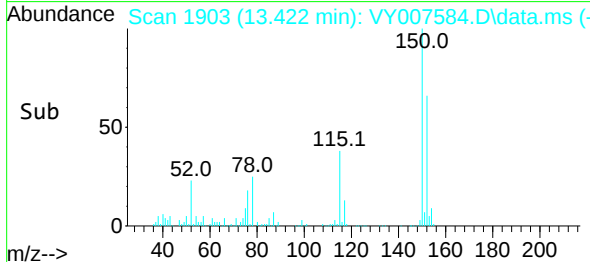
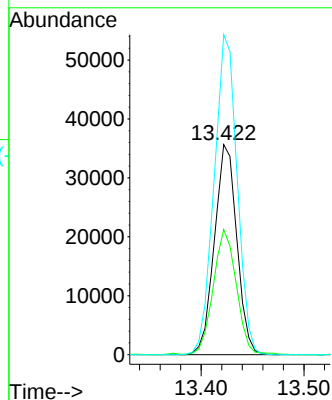
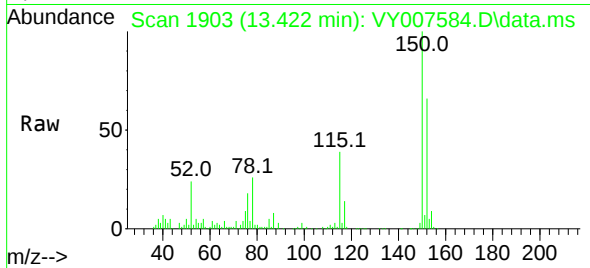




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

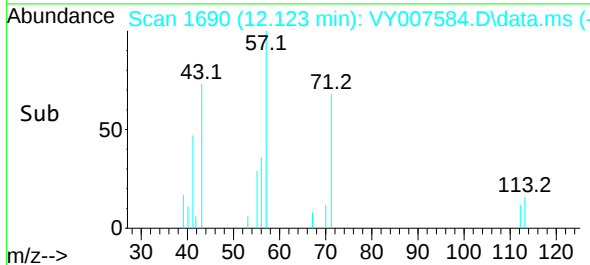
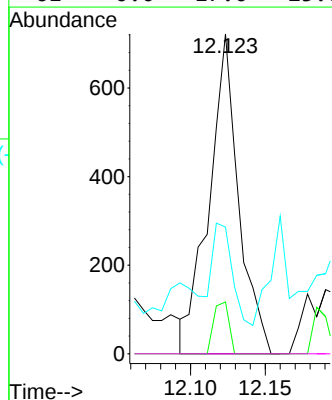
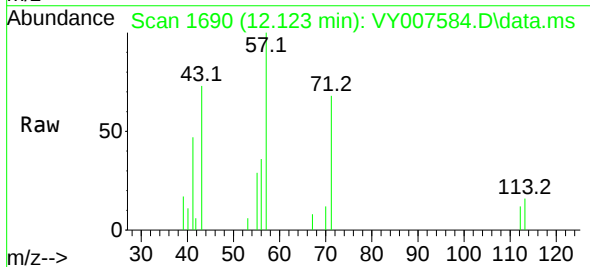
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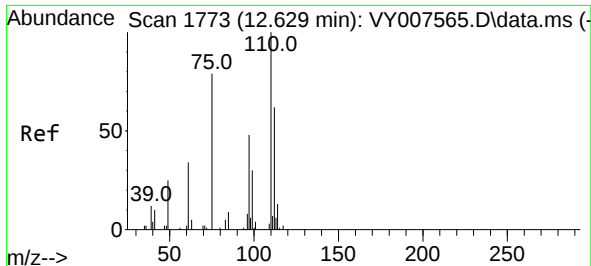
Tgt Ion:152 Resp: 53990
Ion Ratio Lower Upper
152 100
115 61.5 28.2 84.7
150 156.5 0.0 347.6



#74
N-ethyl acetate
Concen: 1.197 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

Tgt Ion: 43 Resp: 992
Ion Ratio Lower Upper
43 100
70 8.3 28.7 43.1#
55 20.4 17.3 25.9
61 0.0 17.0 25.6#

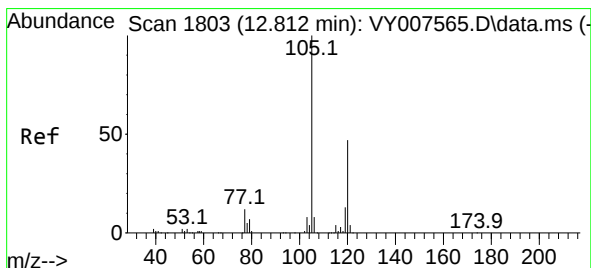
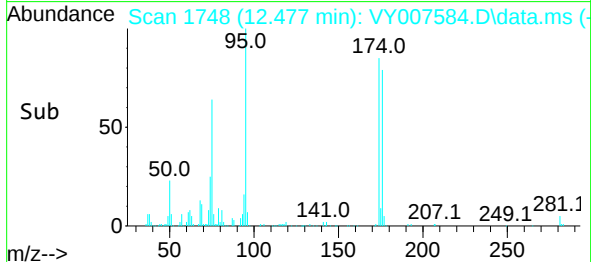
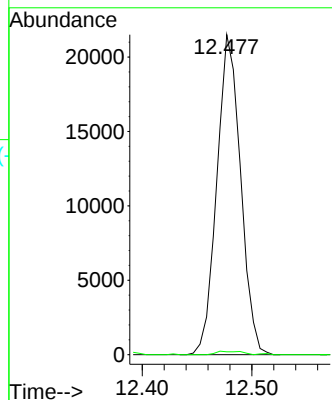
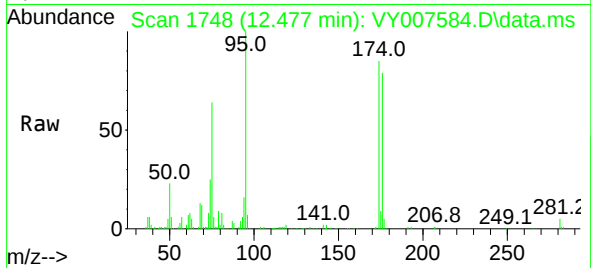




#76
1,2,3-Trichloropropane
Concen: 51.261 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.152 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

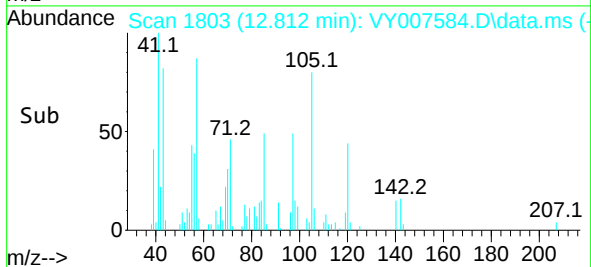
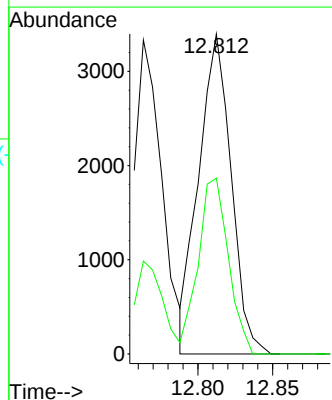
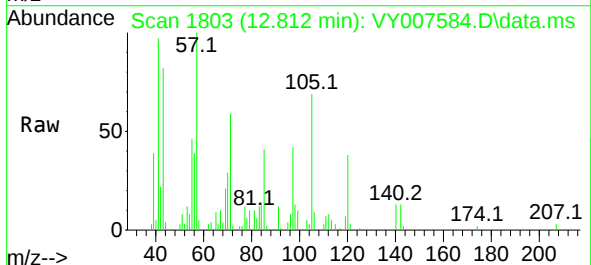
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

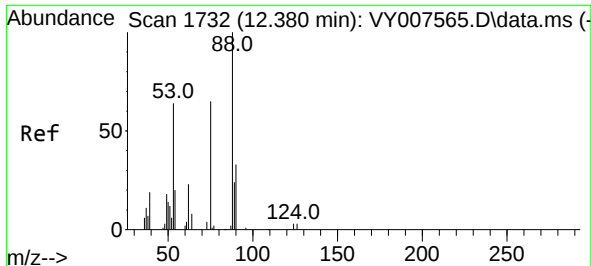
Tgt Ion: 75 Resp: 32396
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.430 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007584.D
Acq: 22 Feb 2022 15:42

Tgt Ion: 105 Resp: 5124
Ion Ratio Lower Upper
105 100
120 51.0 24.4 73.4

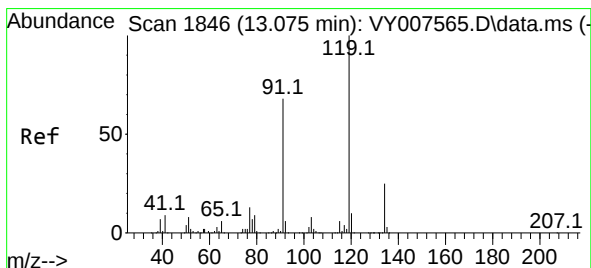
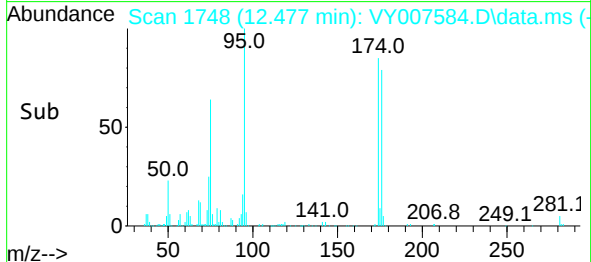
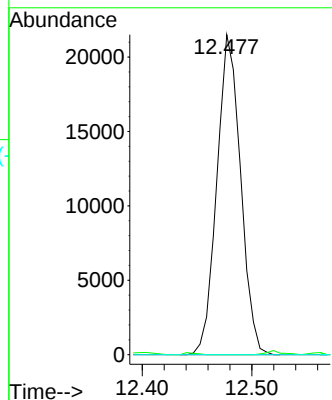
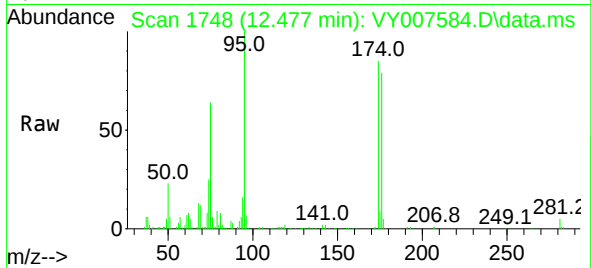




#81
 trans-1,4-Dichloro-2-butene
 Concen: 125.628 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY007584.D
 Acq: 22 Feb 2022 15:42

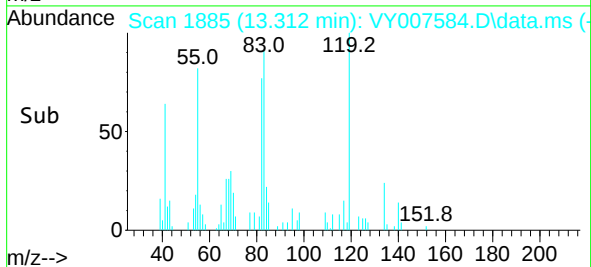
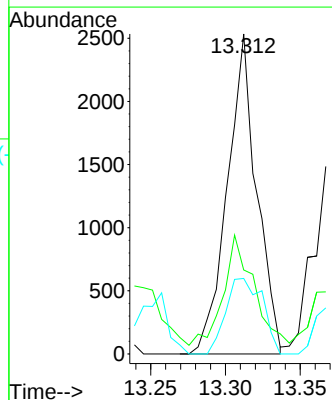
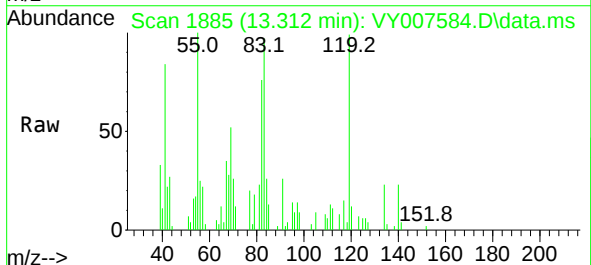
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

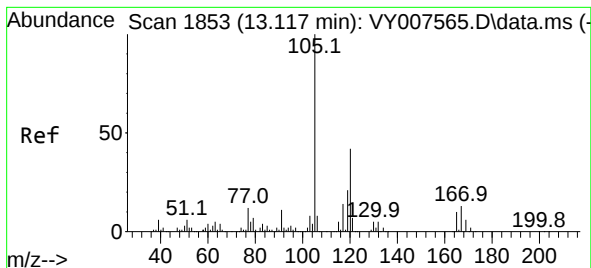
Tgt Ion: 75 Resp: 32396
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#



#83
 tert-Butylbenzene
 Concen: 1.087 ug/l
 RT: 13.312 min Scan# 1885
 Delta R.T. 0.237 min
 Lab File: VY007584.D
 Acq: 22 Feb 2022 15:42

Tgt Ion: 119 Resp: 3466
 Ion Ratio Lower Upper
 119 100
 91 35.1 34.8 104.4
 134 29.3 13.3 39.9





#84

1,2,4-Trimethylbenzene

Concen: 5.953 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

Instrument :

MSVOA_Y

ClientSampleId :

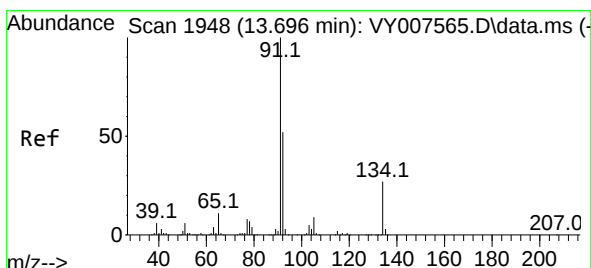
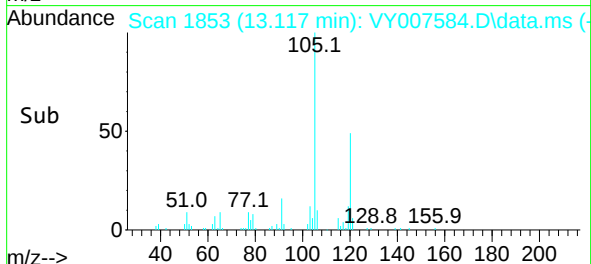
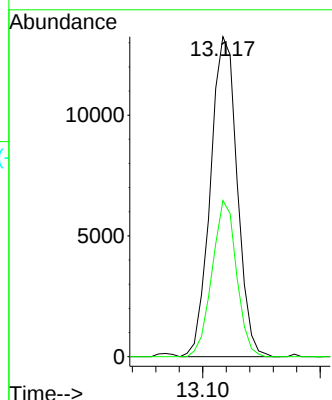
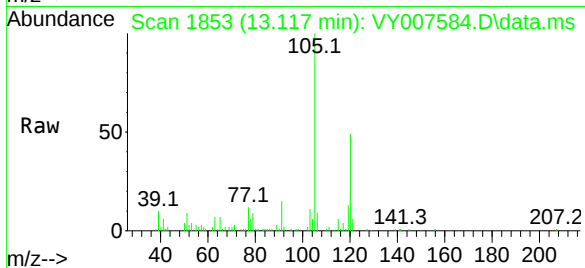
VIBLK

Tgt Ion:105 Resp: 20960

Ion Ratio Lower Upper

105 100

120 44.5 22.3 66.9



#89

n-Butylbenzene

Concen: 1.650 ug/l

RT: 13.690 min Scan# 1947

Delta R.T. -0.006 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

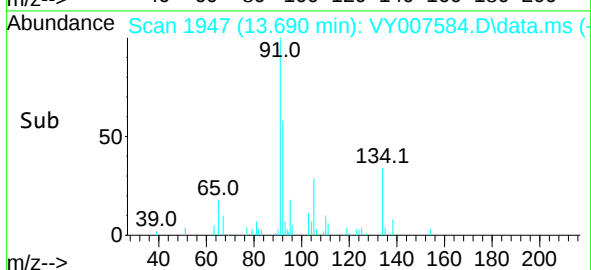
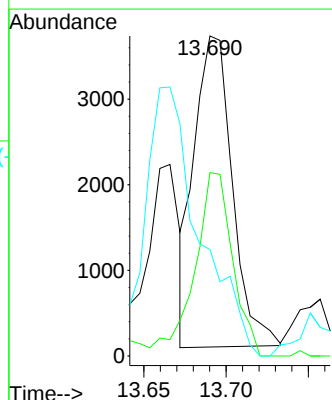
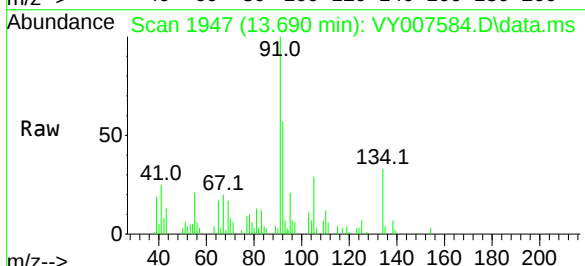
Tgt Ion: 91 Resp: 5845

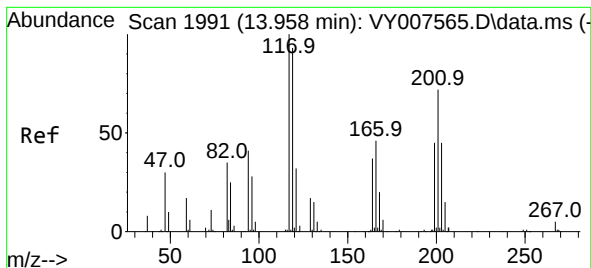
Ion Ratio Lower Upper

91 100

92 58.5 26.3 78.9

134 0.0 13.0 38.9#





#90

Hexachloroethane

Concen: 2.152 ug/l

RT: 13.971 min Scan# 1991

Delta R.T. 0.013 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

Instrument :

MSVOA_Y

ClientSampleId :

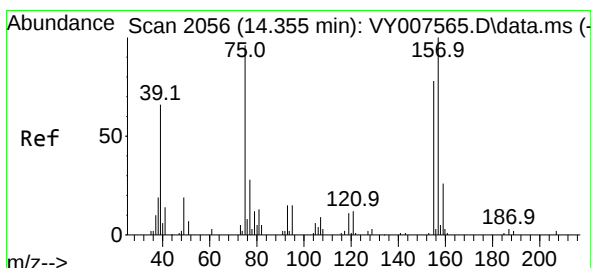
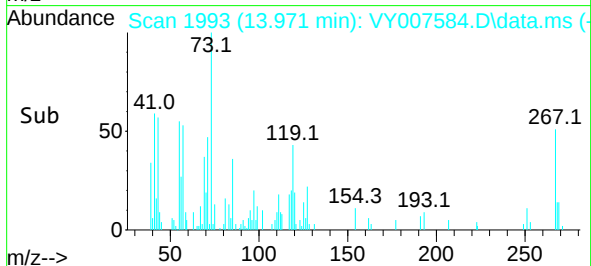
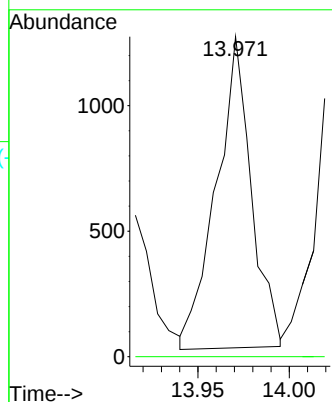
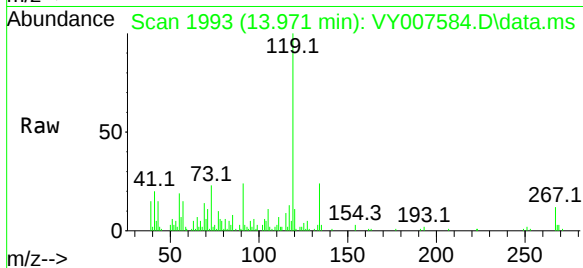
VIBLK

Tgt Ion:117 Resp: 1653

Ion Ratio Lower Upper

117 100

201 0.0 43.0 128.8#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.039 ug/l

RT: 14.336 min Scan# 2053

Delta R.T. -0.019 min

Lab File: VY007584.D

Acq: 22 Feb 2022 15:42

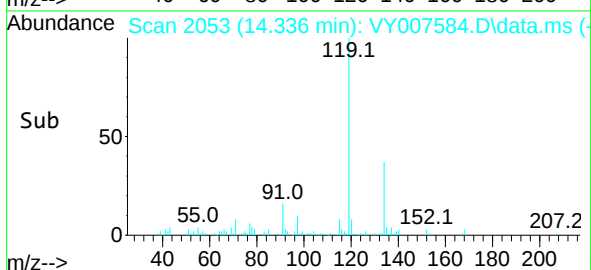
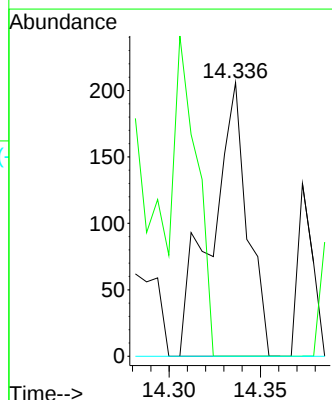
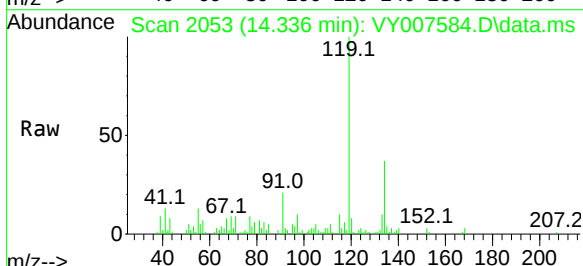
Tgt Ion: 75 Resp: 281

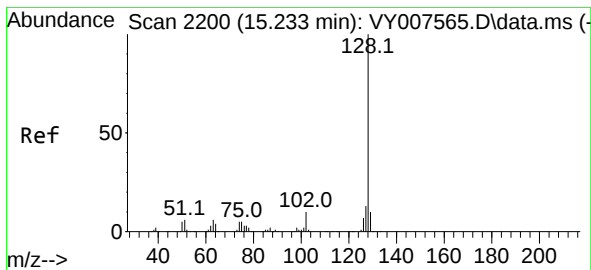
Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 3.131 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY007584.D

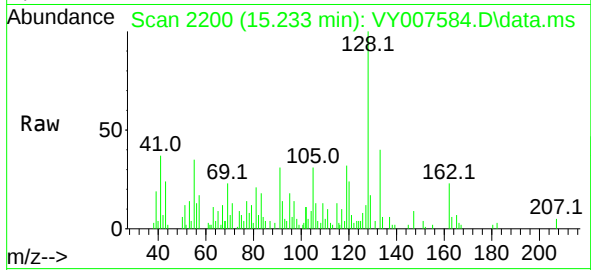
Acq: 22 Feb 2022 15:42

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK



Tgt Ion:128 Resp: 7299

Ion Ratio Lower Upper

128 100

127 16.9 11.0 16.4#

129 23.5 8.4 12.6#

