

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072622\
 Data File : VY009699.D
 Acq On : 26 Jul 2022 14:04
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jul 27 04:25:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

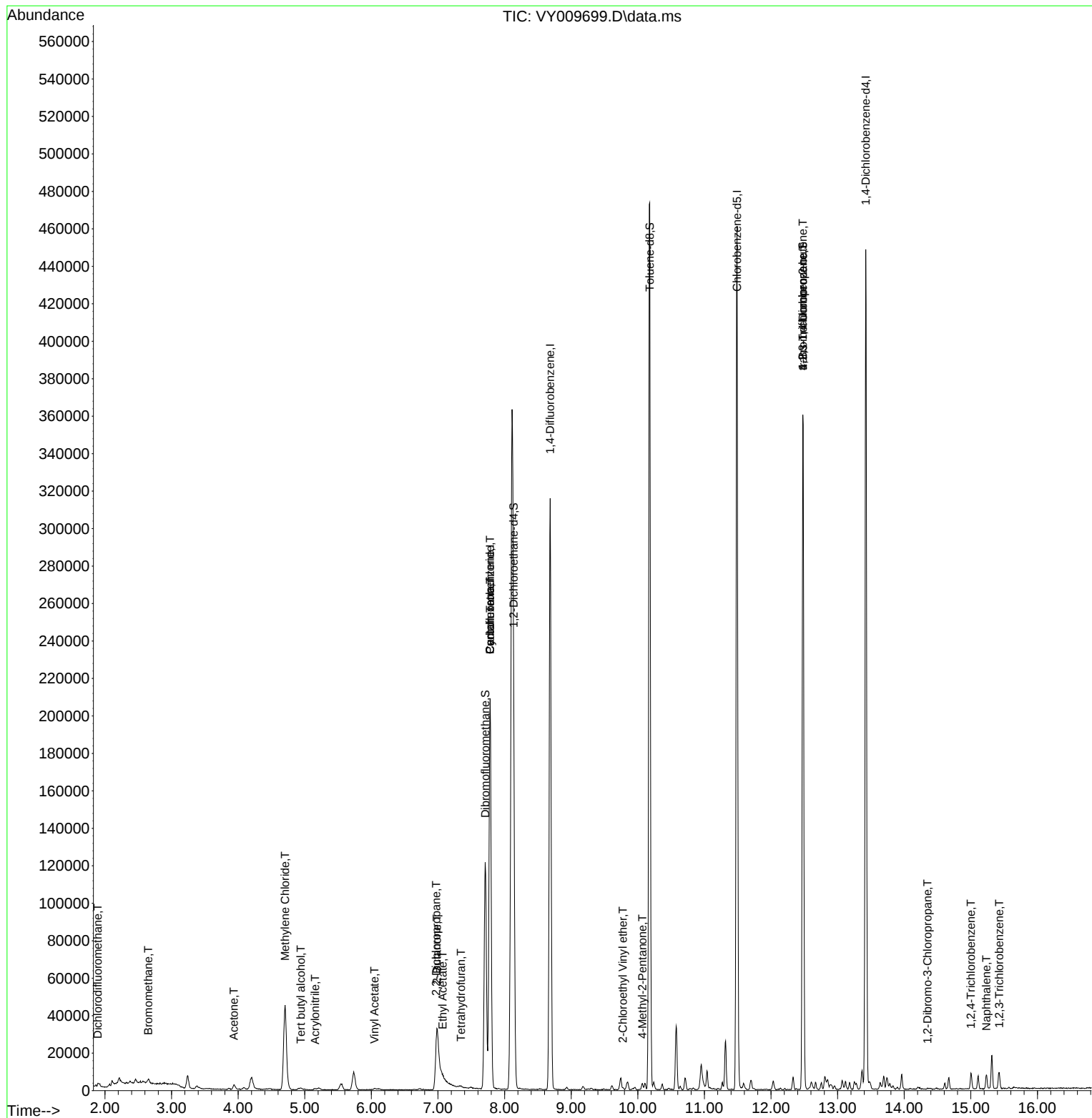
Internal Standards						
1) Pentafluorobenzene	7.783	168	173447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	280017	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	260914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	89816	80.998	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.000%	
35) Dibromofluoromethane	7.710	113	86488	56.790	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.580%	
50) Toluene-d8	10.179	98	322192	74.741	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 149.480%#	
62) 4-Bromofluorobenzene	12.477	95	105494	52.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 104.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	1596	1.034	ug/l	93
5) Bromomethane	2.650	94	1482	1.013	ug/l	87
11) Tert butyl alcohol	4.942	59	1826	9.919	ug/l #	80
15) Acrylonitrile	5.155	53	846	1.944	ug/l #	67
16) Acetone	3.936	43	4134	9.969	ug/l	94
18) Methyl Acetate	4.460	43	549	Below Cal	#	67
20) Methylene Chloride	4.704	84	34024	9.186	ug/l	83
23) Vinyl Acetate	6.045	43	2185	8.108	ug/l #	92
25) 2-Butanone	6.984	43	2800	4.577	ug/l #	86
26) 2,2-Dichloropropane	6.972	77	3451	1.263	ug/l #	55
29) Tetrahydrofuran	7.344	42	532	1.373	ug/l #	71
31) Cyclohexane	7.783	56	3283	1.190	ug/l #	1
37) Ethyl Acetate	7.070	43	2126	1.448	ug/l #	74
38) Carbon Tetrachloride	7.783	117	15359	5.784	ug/l #	16
51) 4-Methyl-2-Pentanone	10.069	43	2296	1.759	ug/l #	86
58) 2-Chloroethyl Vinyl ether	9.776	63	390	24.319	ug/l #	76
76) 1,2,3-Trichloropropane	12.477	75	51841	45.765	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51841	91.224	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.349	75	268	1.000	ug/l	74
93) 1,2,4-Trichlorobenzene	15.001	180	2980	1.300	ug/l	99
95) Naphthalene	15.233	128	6812	1.586	ug/l	97
96) 1,2,3-Trichlorobenzene	15.428	180	3026	1.510	ug/l	97

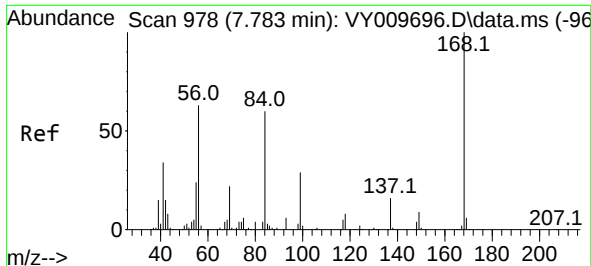
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 04:25:45 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
Quant Title : SW846 8260
QLast Update : Wed Jul 27 04:24:58 2022
Response via : Initial Calibration

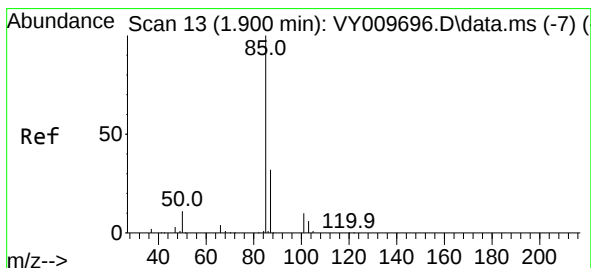
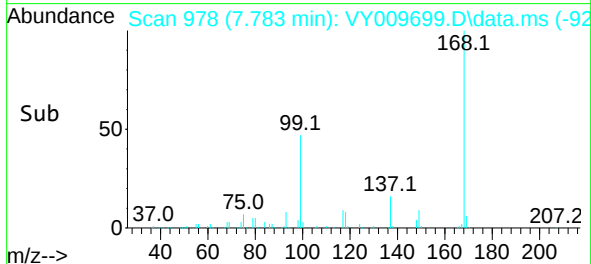
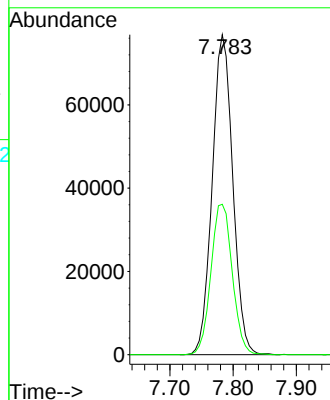
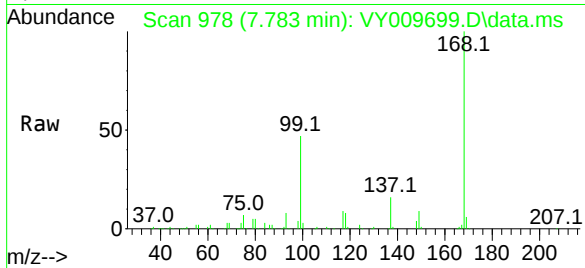




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

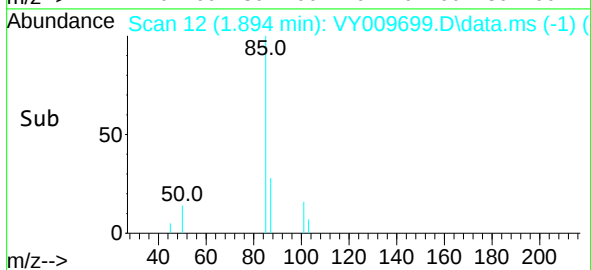
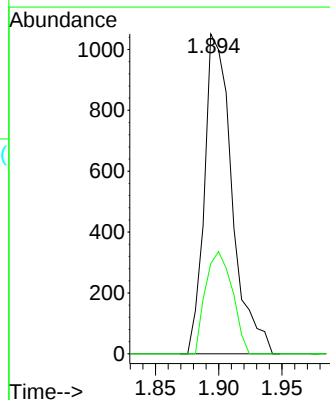
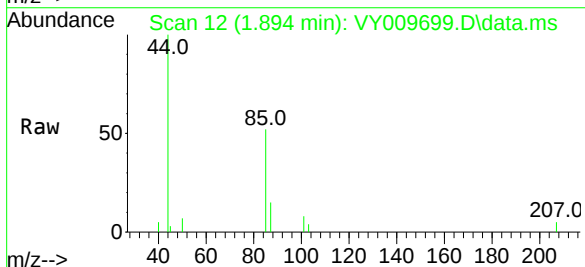
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

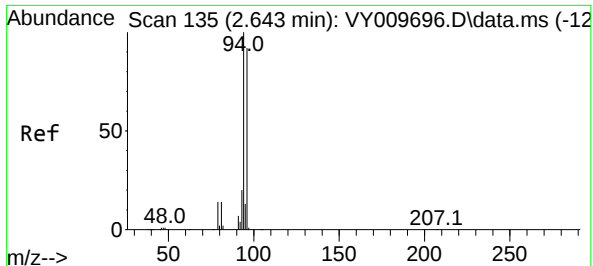
Tgt Ion:168 Resp: 173447
Ion Ratio Lower Upper
168 100
99 47.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 1.034 ug/l
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 85 Resp: 1596
Ion Ratio Lower Upper
85 100
87 28.2 16.1 48.2





#5

Bromomethane

Concen: 1.013 ug/l

RT: 2.650 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY009699.D

Acq: 26 Jul 2022 14:04

Instrument :

MSVOA_Y

ClientSampleId :

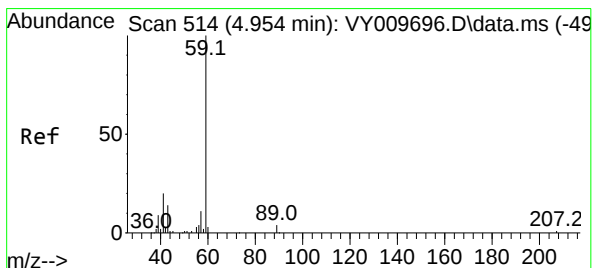
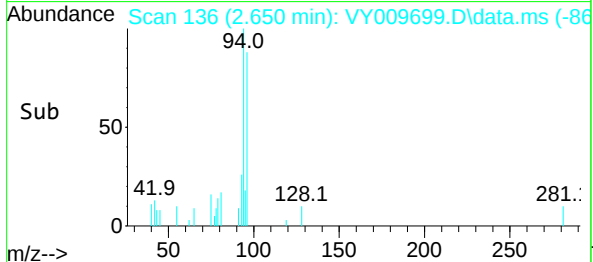
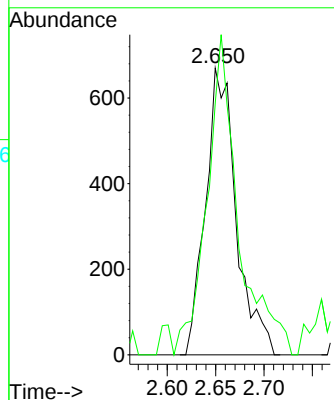
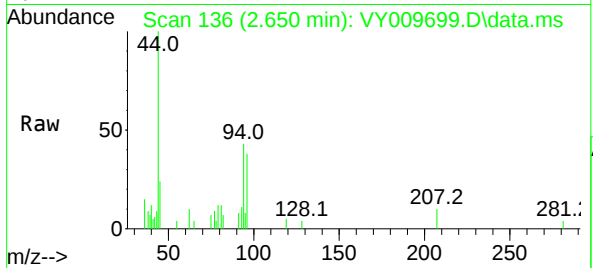
VIBLK

Tgt Ion: 94 Resp: 1482

Ion Ratio Lower Upper

94 100

96 79.1 73.5 110.3



#11

Tert butyl alcohol

Concen: 9.919 ug/l

RT: 4.942 min Scan# 512

Delta R.T. -0.012 min

Lab File: VY009699.D

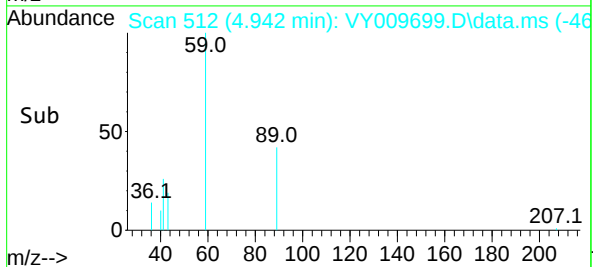
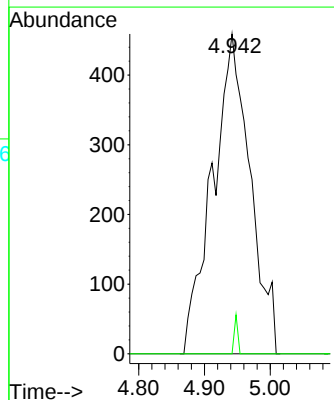
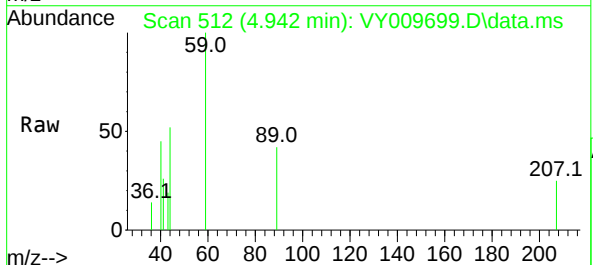
Acq: 26 Jul 2022 14:04

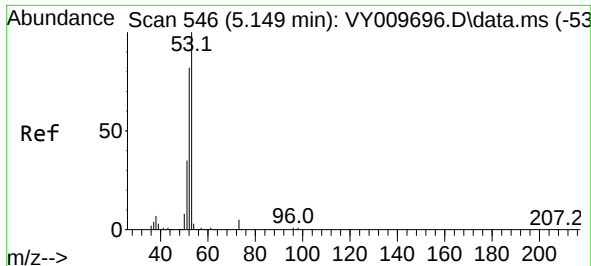
Tgt Ion: 59 Resp: 1826

Ion Ratio Lower Upper

59 100

57 1.1 6.4 9.6#

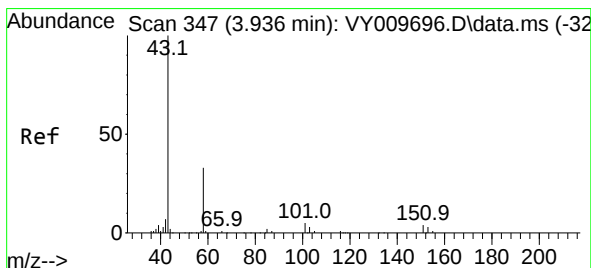
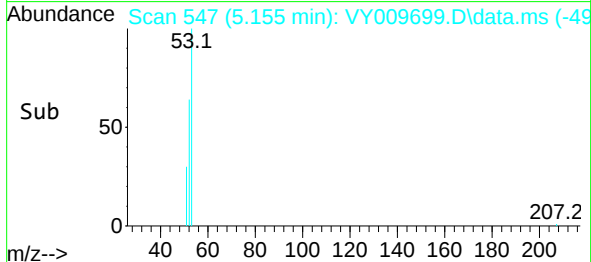
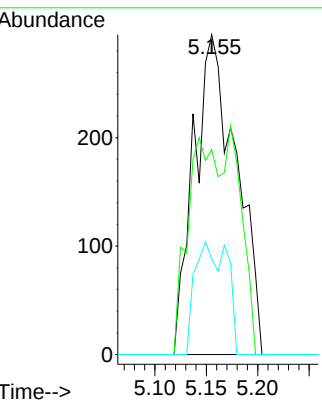
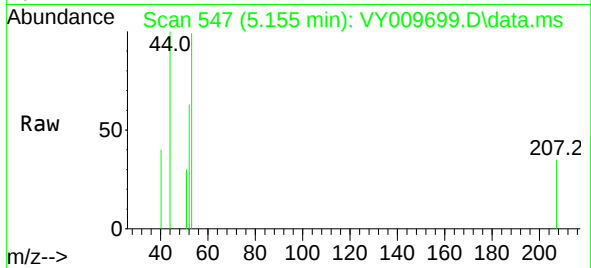




#15
Acrylonitrile
Concen: 1.944 ug/l
RT: 5.155 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

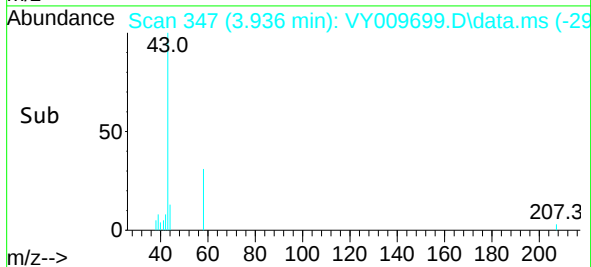
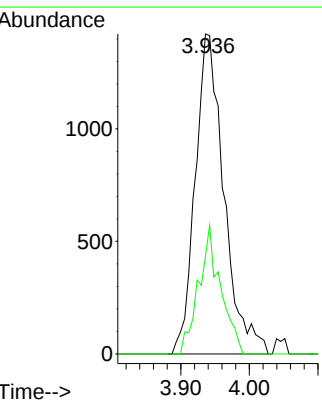
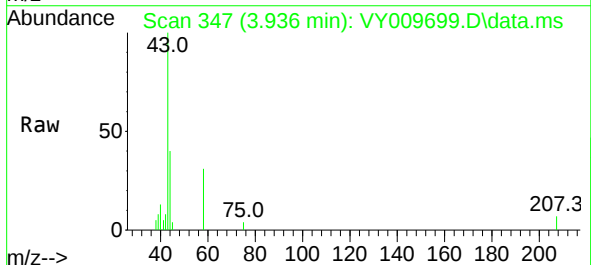
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

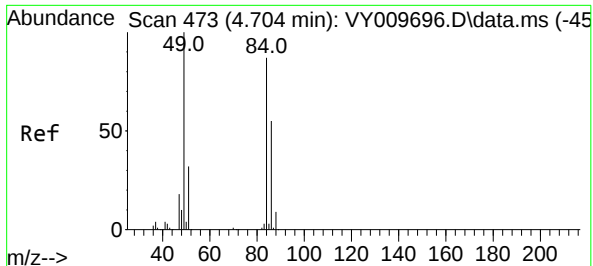
Tgt Ion: 53 Resp: 846
Ion Ratio Lower Upper
53 100
52 47.8 67.0 100.4#
51 26.6 29.8 44.6#



#16
Acetone
Concen: 9.969 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 43 Resp: 4134
Ion Ratio Lower Upper
43 100
58 30.6 22.0 33.0



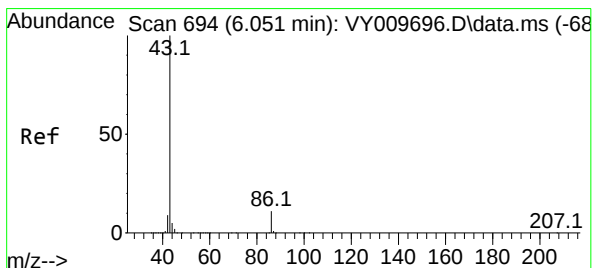
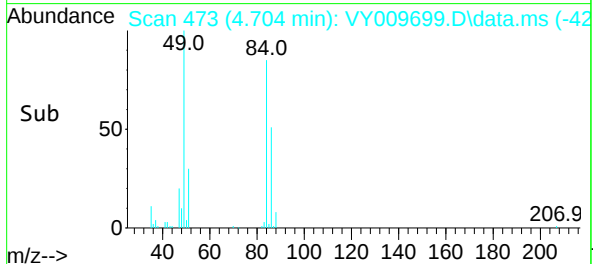
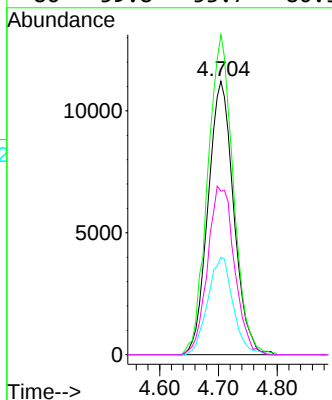
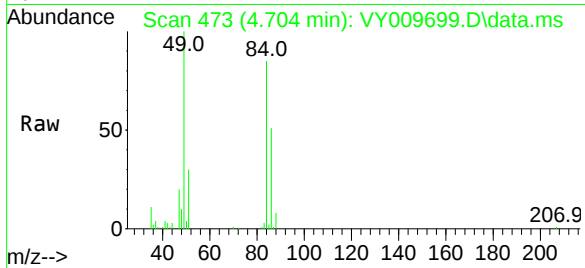


#20
Methylene Chloride
Concen: 9.186 ug/l
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 34024

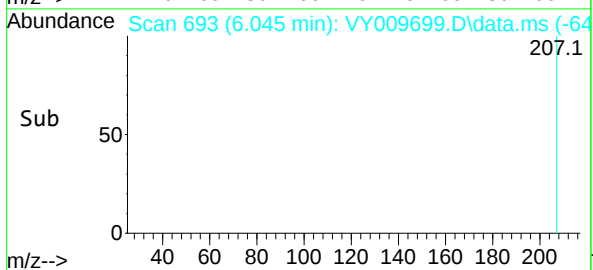
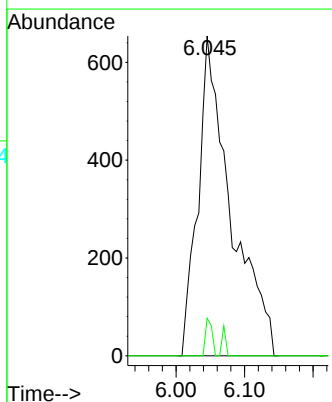
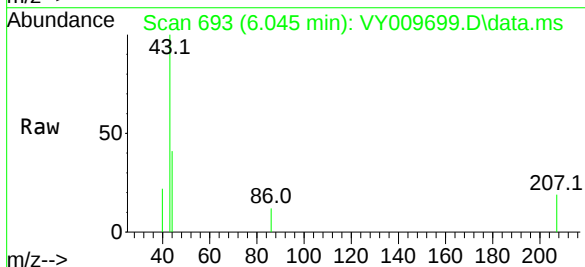
Ion	Ratio	Lower	Upper
84	100		
49	117.0	114.4	171.6
51	35.6	35.3	52.9
86	59.8	53.7	80.5

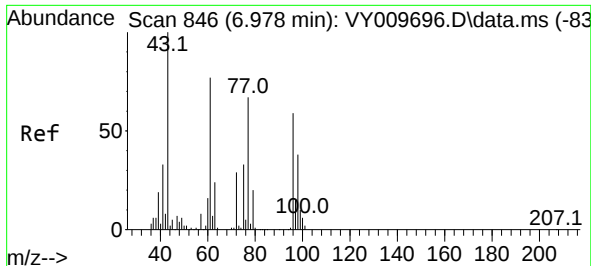


#23
Vinyl Acetate
Concen: 8.108 ug/l
RT: 6.045 min Scan# 693
Delta R.T. -0.006 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 43 Resp: 2185

Ion	Ratio	Lower	Upper
43	100		
86	11.8	7.1	10.7#





#25

2-Butanone

Concen: 4.577 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY009699.D

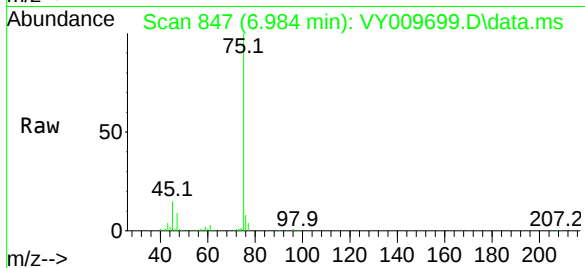
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Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

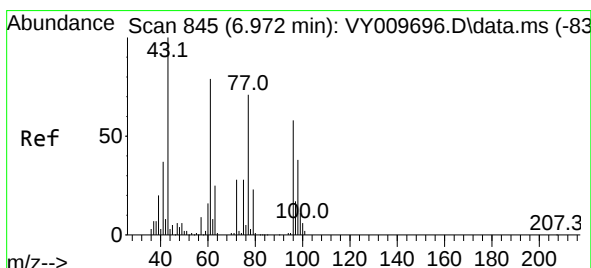
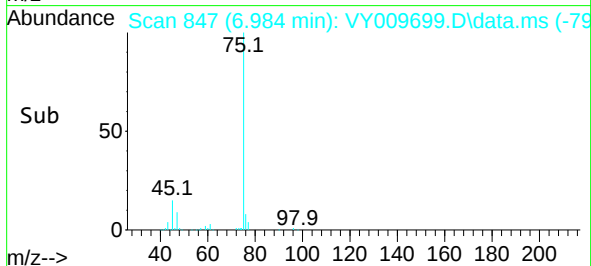
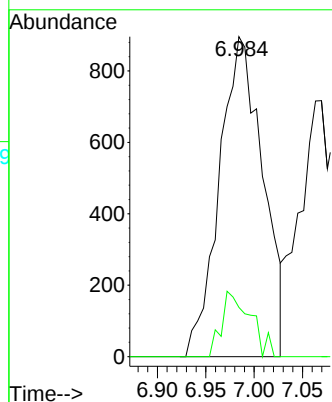


Tgt Ion: 43 Resp: 2800

Ion Ratio Lower Upper

43 100

72 15.4 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 1.263 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY009699.D

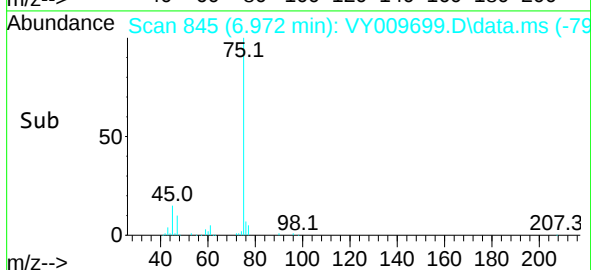
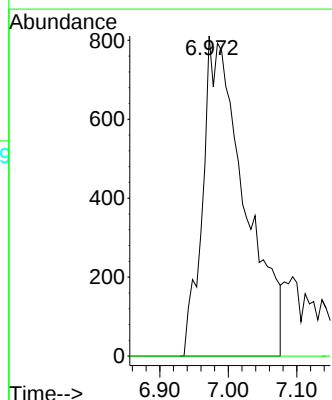
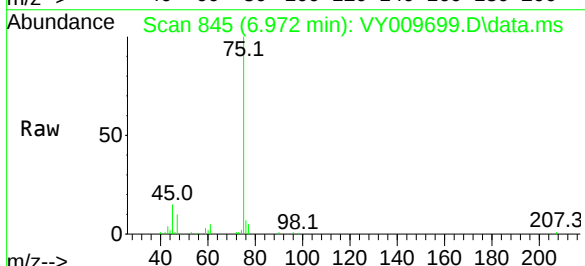
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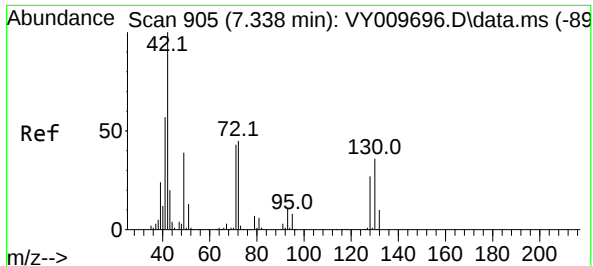
Tgt Ion: 77 Resp: 3451

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#29

Tetrahydrofuran

Concen: 1.373 ug/l

RT: 7.344 min Scan# 905

Delta R.T. 0.006 min

Lab File: VY009699.D

Acq: 26 Jul 2022 14:04

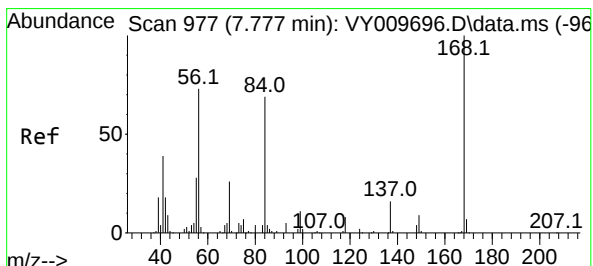
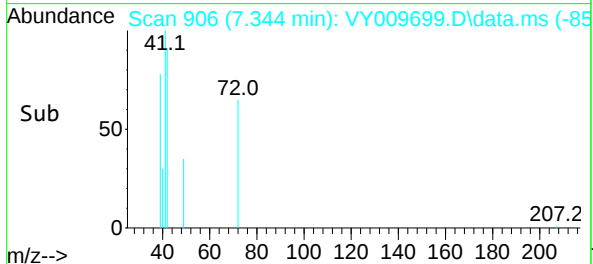
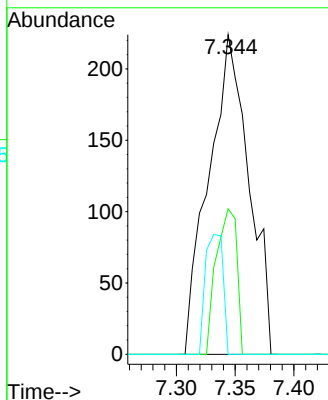
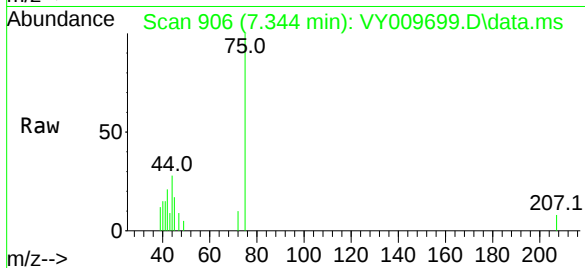
Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

Tgt Ion: 42	Resp: 532
Ion Ratio	Lower Upper
42	100
72	23.3 30.3 45.5#
71	16.5 29.0 43.4#



#31

Cyclohexane

Concen: 1.190 ug/l

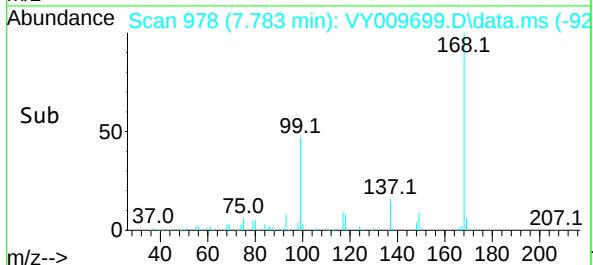
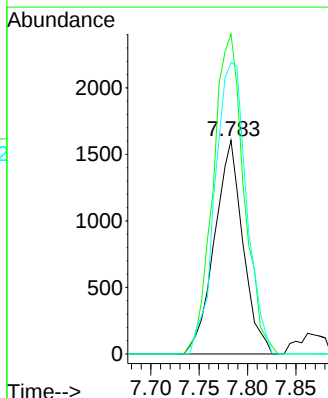
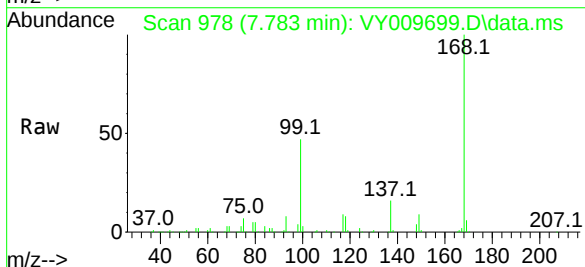
RT: 7.783 min Scan# 978

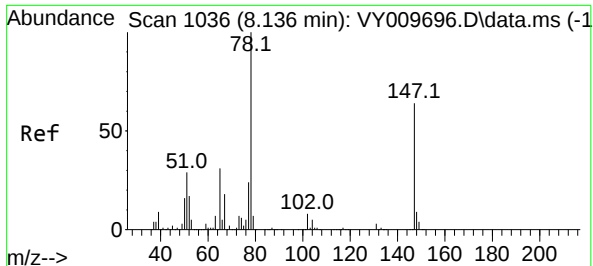
Delta R.T. 0.006 min

Lab File: VY009699.D

Acq: 26 Jul 2022 14:04

Tgt Ion: 56	Resp: 3283
Ion Ratio	Lower Upper
56	100
69	149.8 26.7 40.1#
84	136.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 80.998 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY009699.D

Acq: 26 Jul 2022 14:04

Instrument :

MSVOA_Y

ClientSampleId :

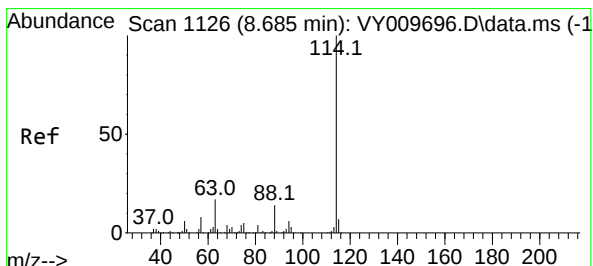
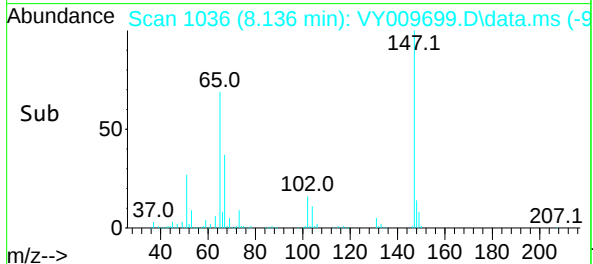
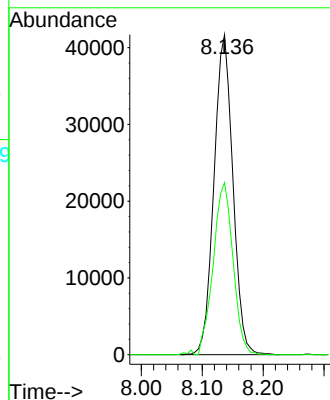
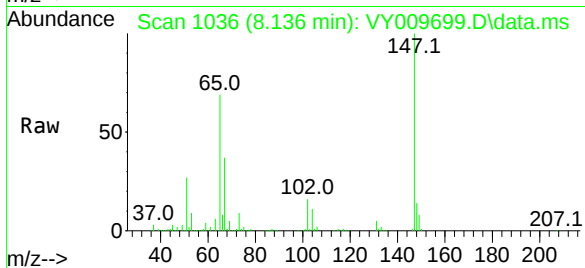
VIBLK

Tgt Ion: 65 Resp: 89816

Ion Ratio Lower Upper

65 100

67 56.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009699.D

Acq: 26 Jul 2022 14:04

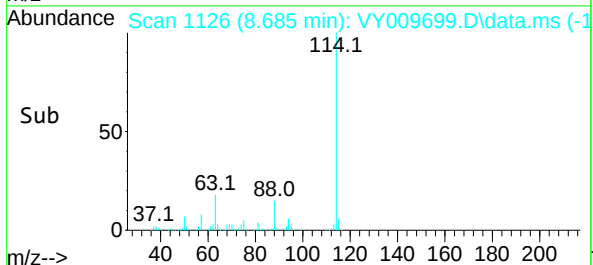
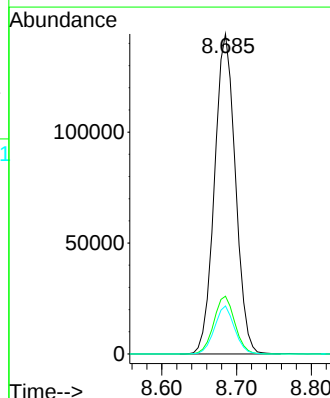
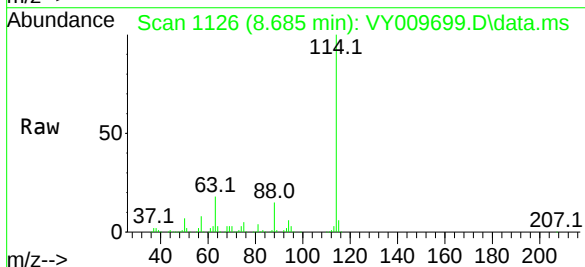
Tgt Ion: 114 Resp: 280017

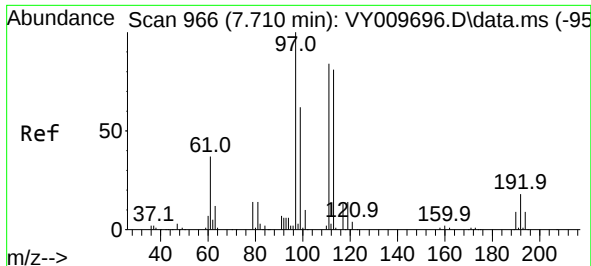
Ion Ratio Lower Upper

114 100

63 18.0 0.0 43.2

88 15.0 0.0 31.8

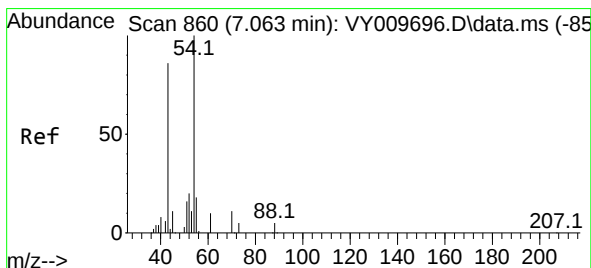
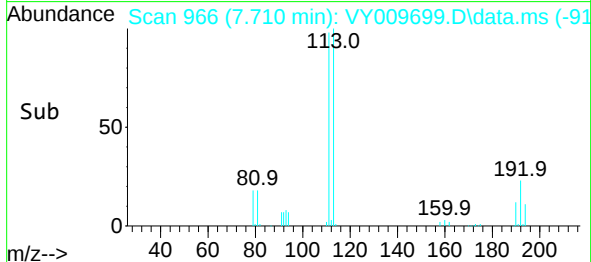
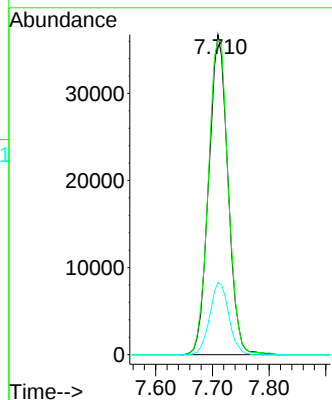
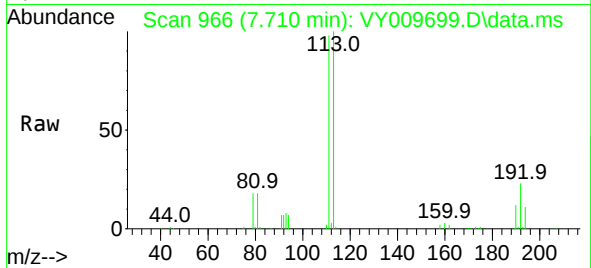




#35
Dibromofluoromethane
Concen: 56.790 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

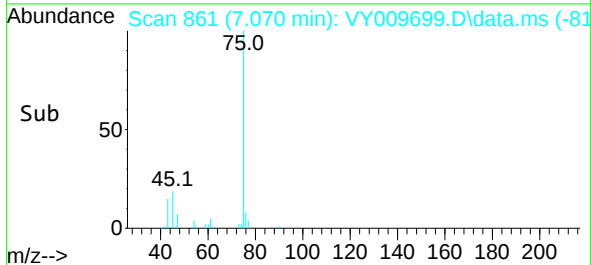
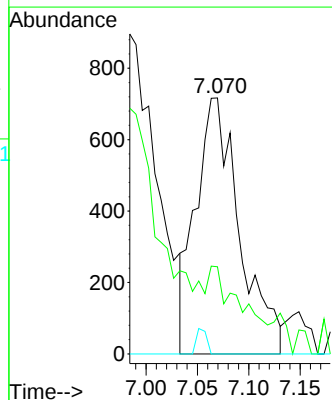
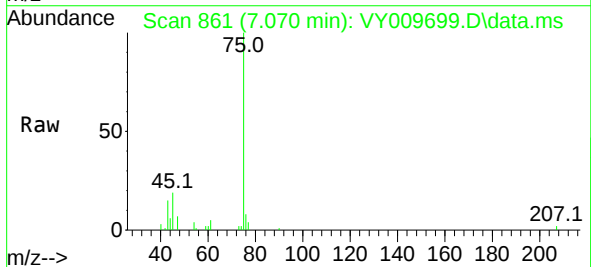
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

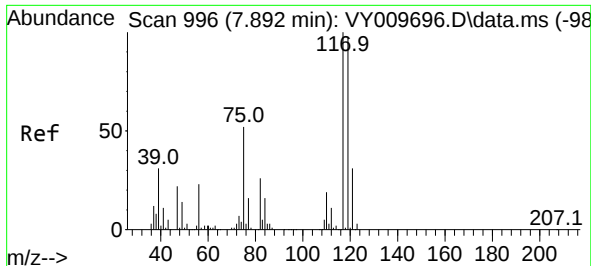
Tgt Ion:113 Resp: 86488
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 22.3 17.6 26.4



#37
Ethyl Acetate
Concen: 1.448 ug/l
RT: 7.070 min Scan# 861
Delta R.T. 0.007 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 43 Resp: 2126
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 2.3 7.1 10.7#

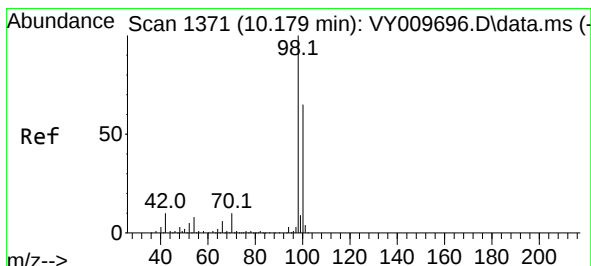
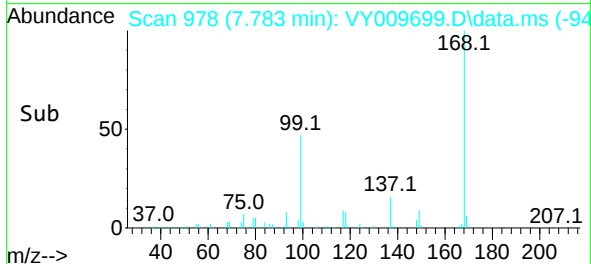
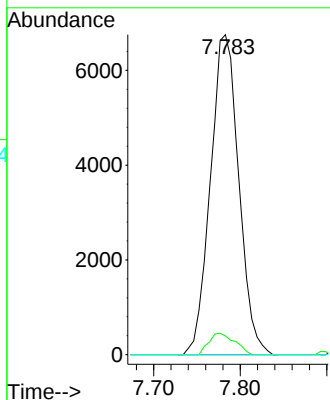
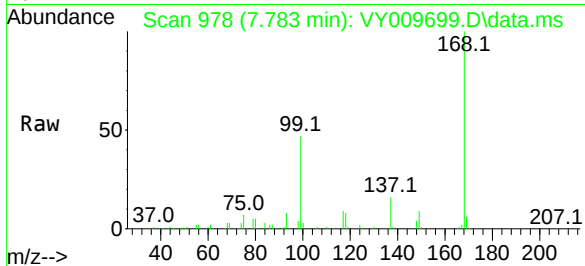




#38
Carbon Tetrachloride
Concen: 5.784 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

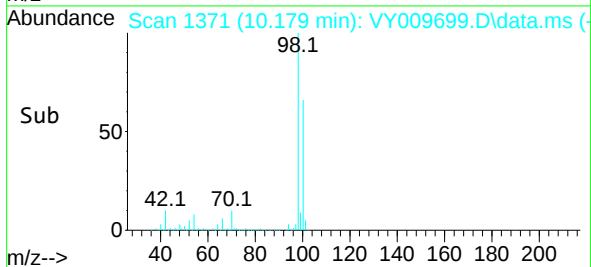
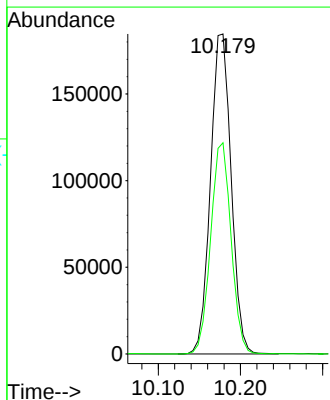
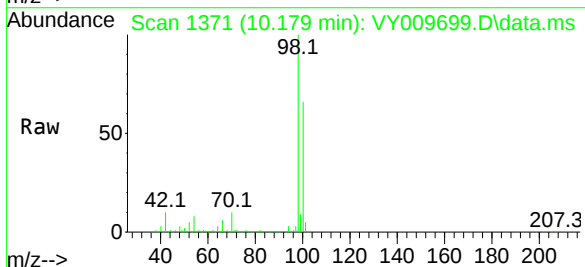
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

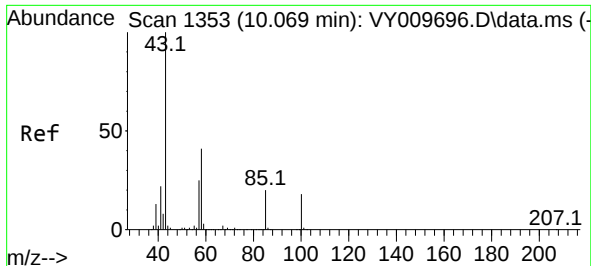
Tgt Ion:117 Resp: 15359
Ion Ratio Lower Upper
117 100
119 5.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 74.741 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 98 Resp: 322192
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

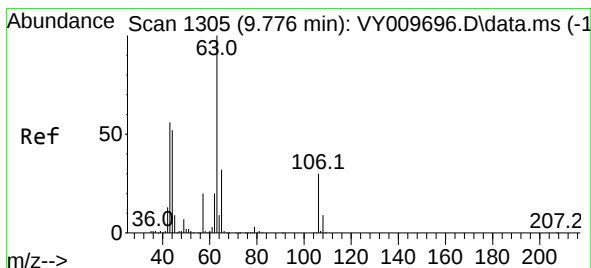
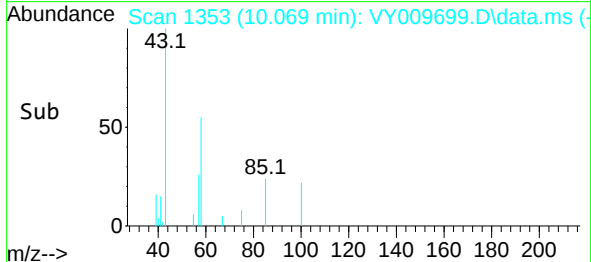
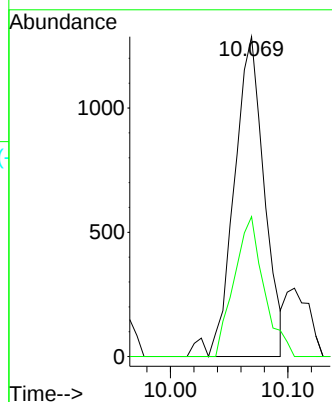
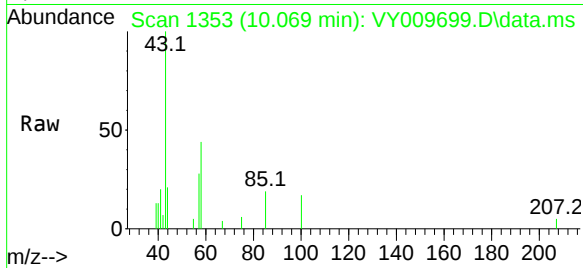




#51
4-Methyl-2-Pentanone
Concen: 1.759 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

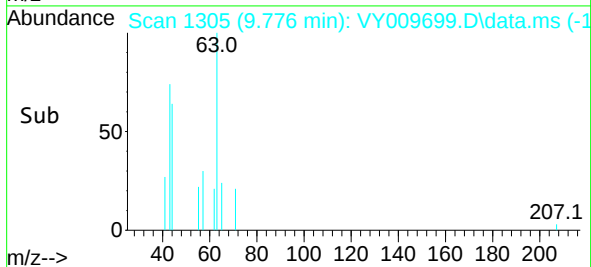
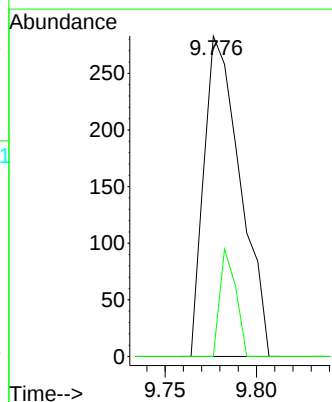
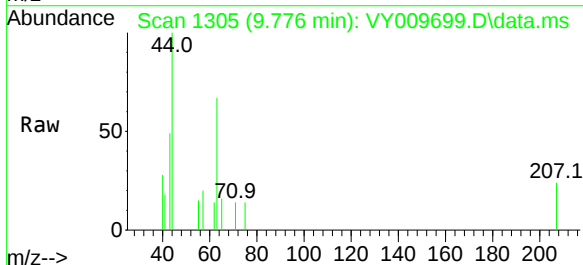
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

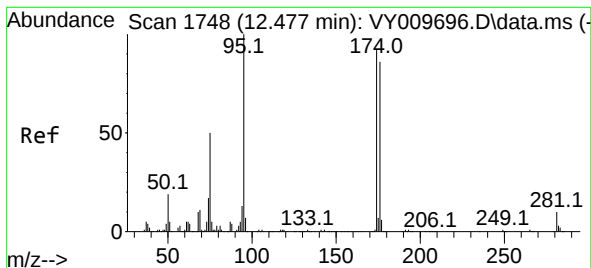
Tgt Ion: 43 Resp: 2296
Ion Ratio Lower Upper
43 100
58 43.1 28.1 42.1#



#58
2-Chloroethyl Vinyl ether
Concen: 24.319 ug/l
RT: 9.776 min Scan# 1305
Delta R.T. 0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 63 Resp: 390
Ion Ratio Lower Upper
63 100
106 14.6 21.5 32.3#

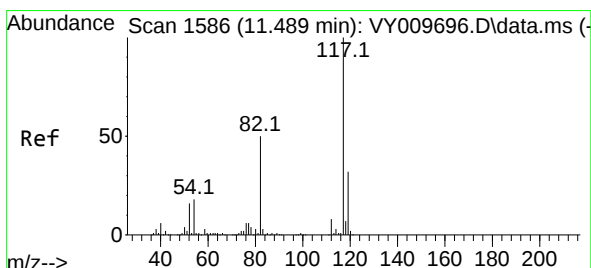
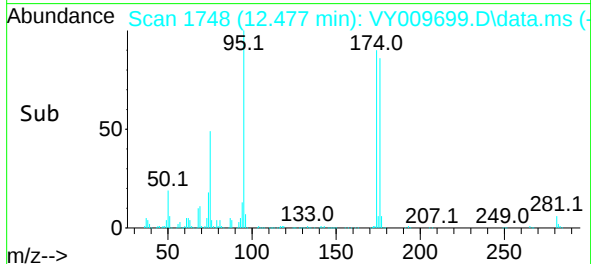
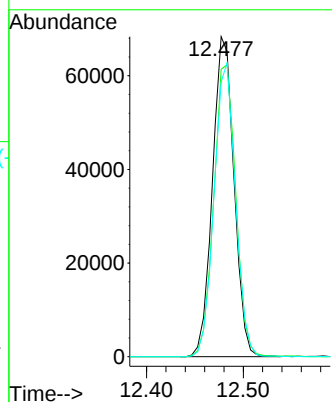
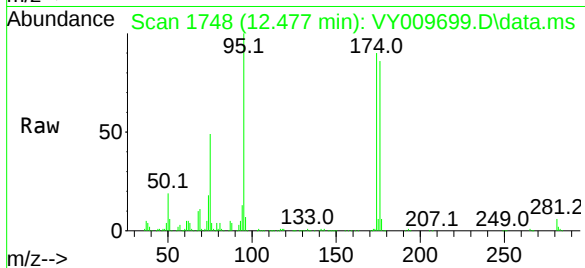




#62
4-Bromofluorobenzene
Concen: 52.241 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

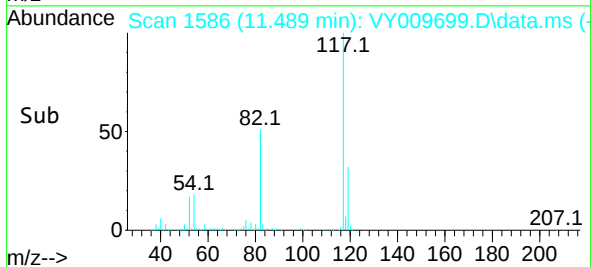
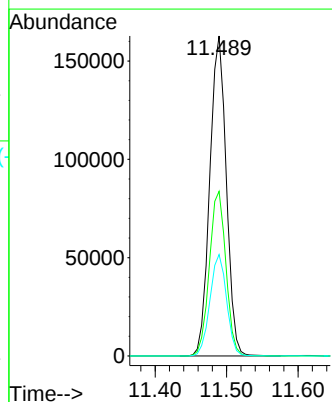
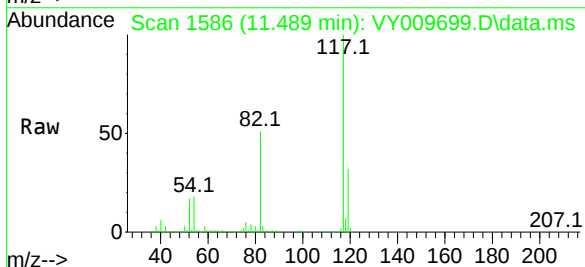
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

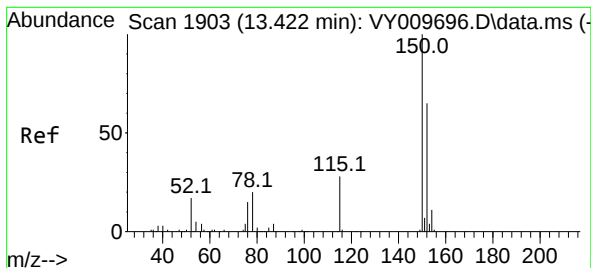
Tgt Ion: 95 Resp: 105494
Ion Ratio Lower Upper
95 100
174 93.3 0.0 177.0
176 91.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 117 Resp: 260914
Ion Ratio Lower Upper
117 100
82 51.5 43.0 64.4
119 31.7 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: VY009699.D

Acq: 26 Jul 2022 14:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

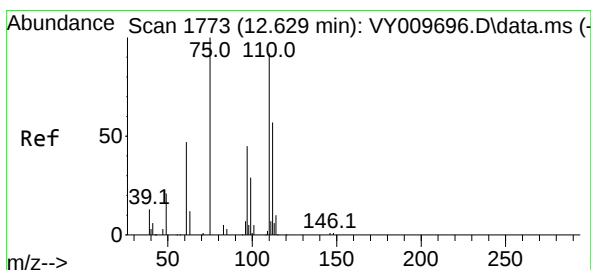
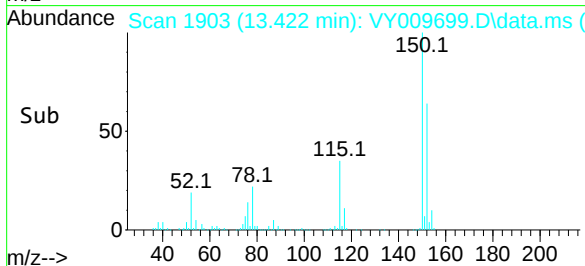
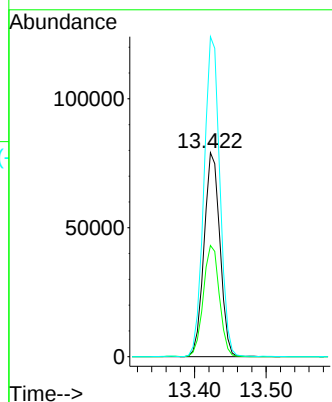
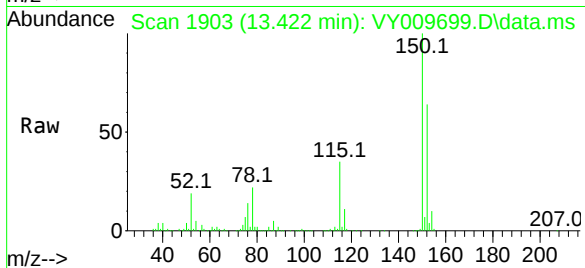
Tgt Ion:152 Resp: 121952

Ion Ratio Lower Upper

152 100

115 55.2 28.2 84.7

150 156.9 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 45.765 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY009699.D

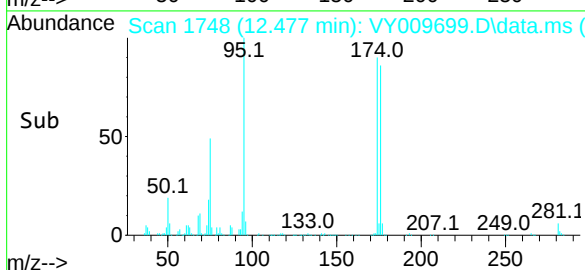
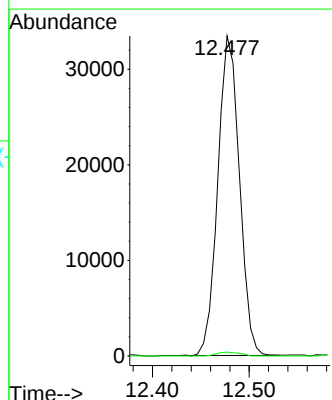
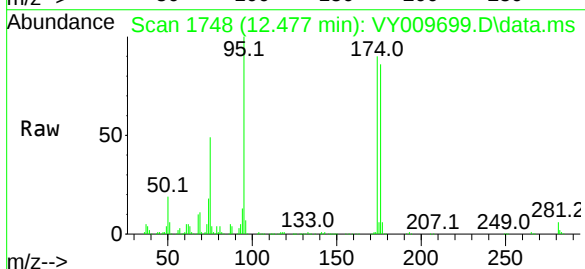
Acq: 26 Jul 2022 14:04

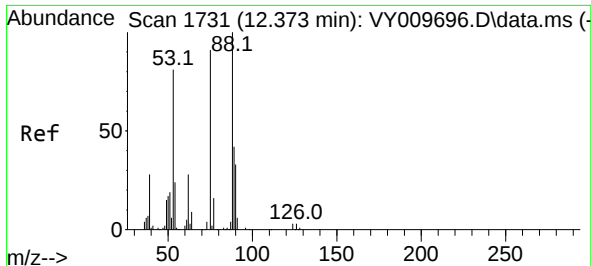
Tgt Ion: 75 Resp: 51841

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

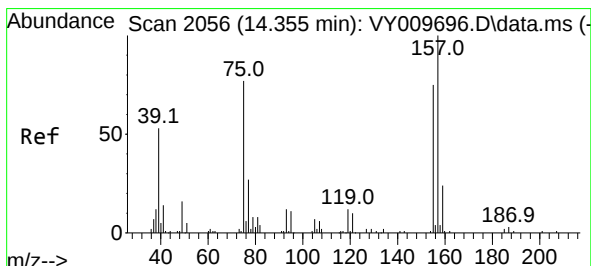
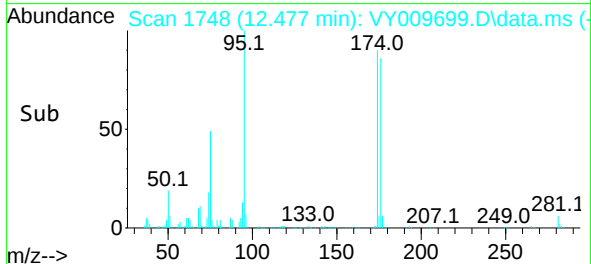
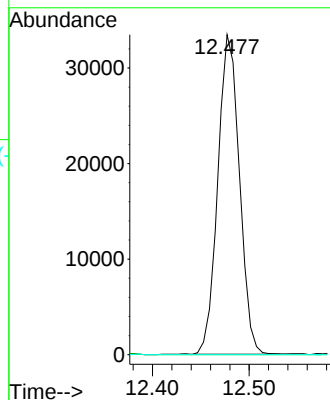
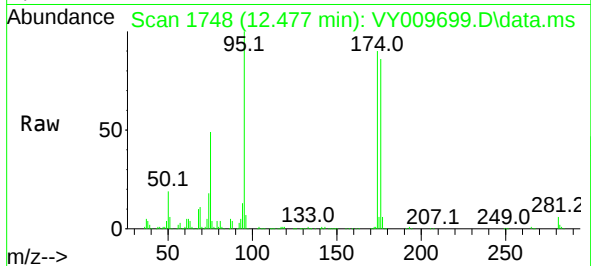




#81
trans-1,4-Dichloro-2-butene
Concen: 91.224 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

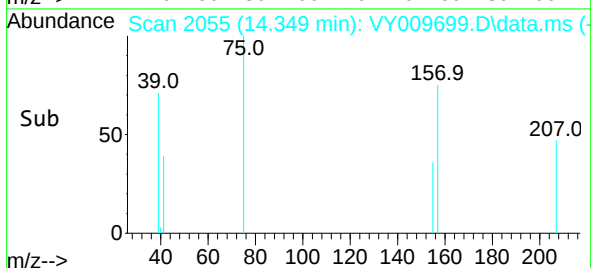
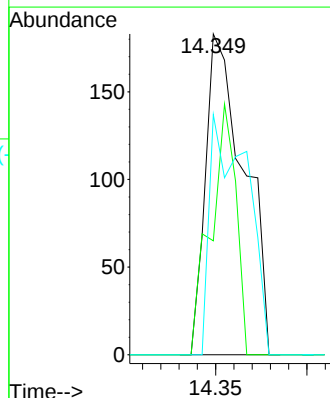
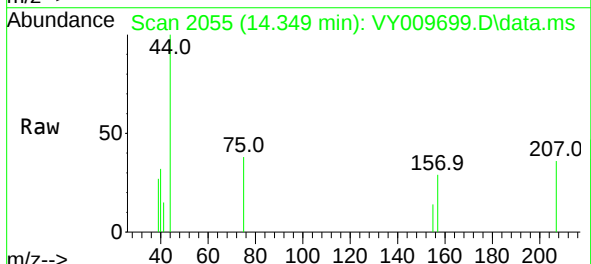
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

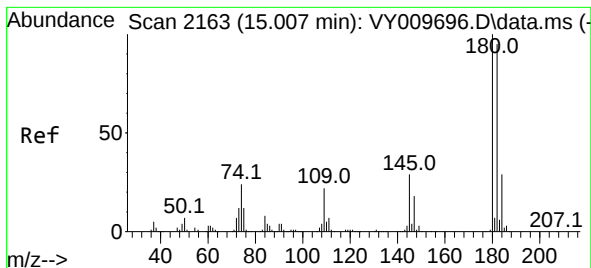
Tgt Ion: 75 Resp: 51841
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.000 ug/l
RT: 14.349 min Scan# 2055
Delta R.T. -0.006 min
Lab File: VY009699.D
Acq: 26 Jul 2022 14:04

Tgt Ion: 75 Resp: 268
Ion Ratio Lower Upper
75 100
155 51.5 38.0 113.9
157 72.8 47.8 143.3





#93

1,2,4-Trichlorobenzene

Concen: 1.300 ug/l

RT: 15.001 min Scan# 2163

Delta R.T. -0.006 min

Lab File: VY009699.D

Acq: 26 Jul 2022 14:04

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

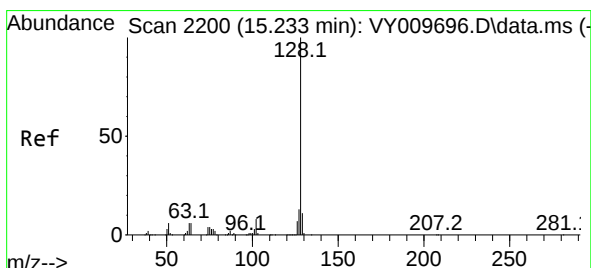
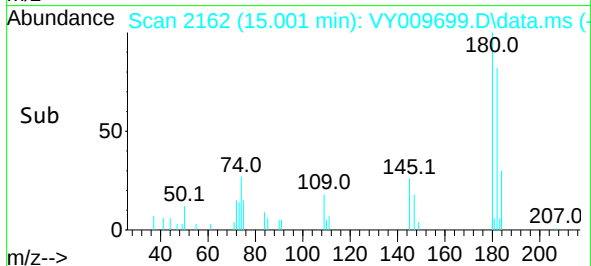
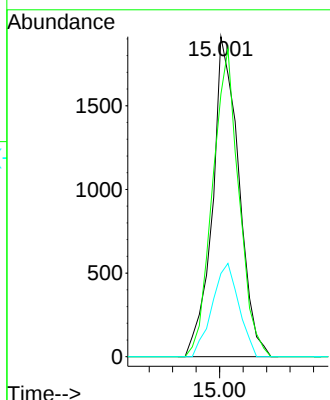
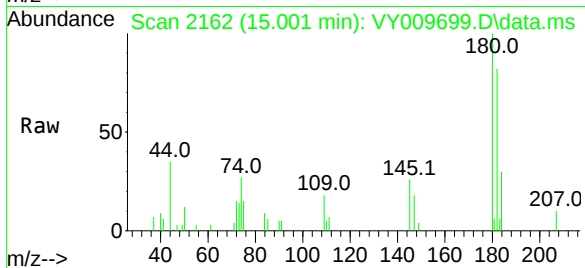
Tgt Ion:180 Resp: 2980

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.9

145 29.5 14.6 43.8



#95

Naphthalene

Concen: 1.586 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY009699.D

Acq: 26 Jul 2022 14:04

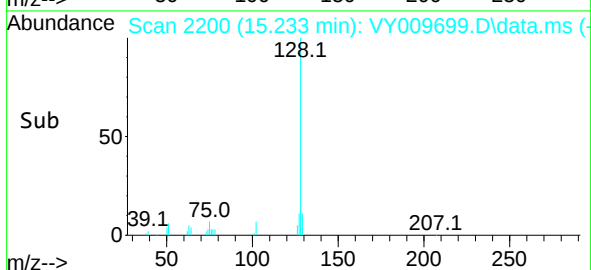
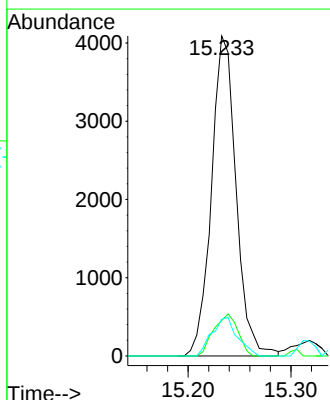
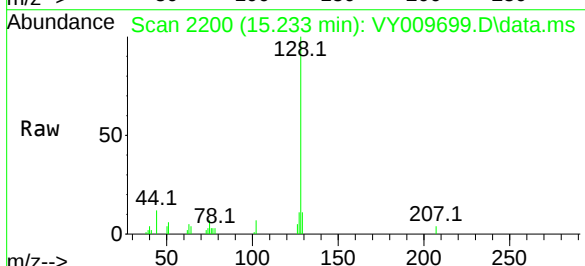
Tgt Ion:128 Resp: 6812

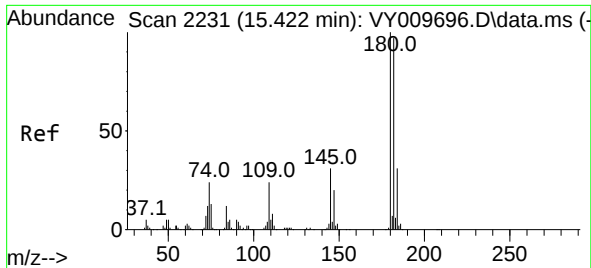
Ion Ratio Lower Upper

128 100

127 12.9 11.0 16.4

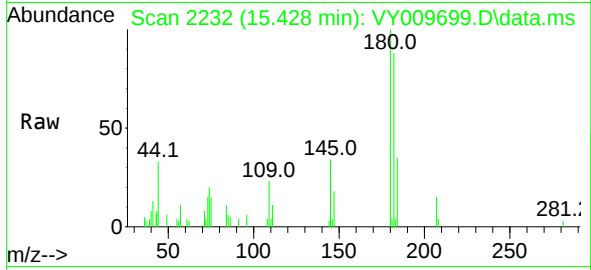
129 12.4 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.510 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY009699.D
 Acq: 26 Jul 2022 14:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK



Tgt Ion:	180	Resp:	3026
Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.3	141.9
145	34.9	15.3	45.9

