

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032822\
 Data File : VY008072.D
 Acq On : 28 Mar 2022 18:14
 Operator : SY/MD
 Sample : N2095-11RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-4.0-5.0RE

Quant Time: Mar 29 02:28:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

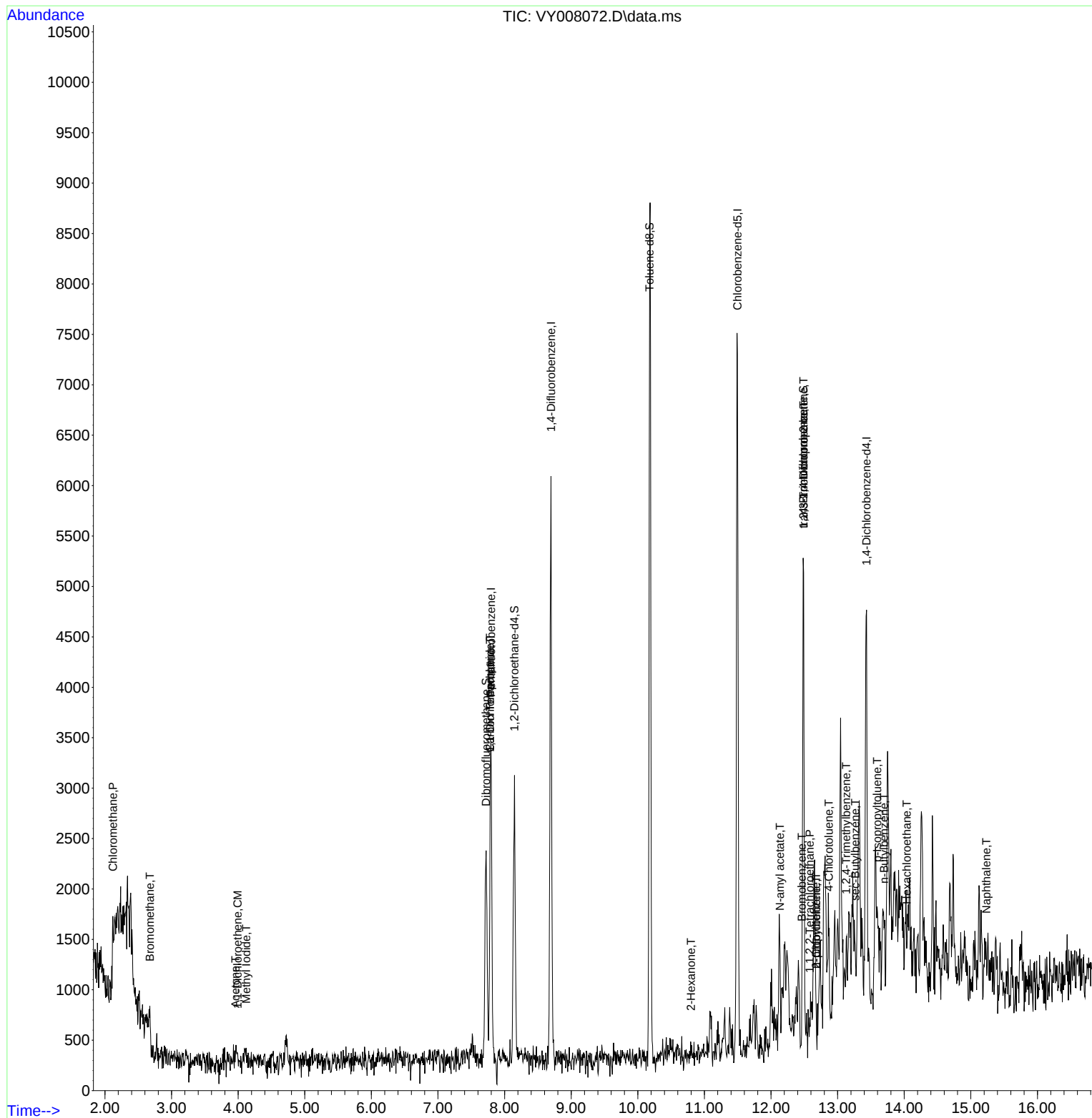
Internal Standards						
1) Pentafluorobenzene	7.795	168	3086	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	5389	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	4585	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	1004	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2012	64.983	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.960%	
35) Dibromofluoromethane	7.722	113	1646	48.716	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.440%	
50) Toluene-d8	10.179	98	6347	49.861	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.720%	
62) 4-Bromofluorobenzene	12.483	95	1848	41.149	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.300%	
Target Compounds						Qvalue
3) Chloromethane	2.119	50	150	4.428	ug/l #	71
5) Bromomethane	2.674	94	68	1.841	ug/l #	1
10) Methyl Iodide	4.119	142	233	7.146	ug/l #	44
12) 1,1-Dichloroethene	3.991	96	45	1.374	ug/l #	1
16) Acetone	3.960	43	204	28.826	ug/l #	47
18) Methyl Acetate	4.570	43	21	Below Cal	#	56
36) 1,1-Dichloropropene	7.783	75	138	2.600	ug/l #	42
38) Carbon Tetrachloride	7.783	117	323	5.584	ug/l #	11
59) 2-Hexanone	10.801	43	106	6.171	ug/l #	28
74) N-amyl acetate	12.136	43	324	17.786	ug/l #	33
75) 1,1,2,2-Tetrachloroethane	12.581	83	20	1.242	ug/l #	26
76) 1,2,3-Trichloropropane	12.489	75	884	72.229	ug/l #	100
77) Bromobenzene	12.465	156	113	5.944	ug/l #	1
78) n-propylbenzene	12.678	91	134	1.371	ug/l #	53
79) 2-Chlorotoluene	12.678	91	134	2.471	ug/l #	41
81) trans-1,4-Dichloro-2-b...	12.489	75	884	161.155	ug/l #	7
82) 4-Chlorotoluene	12.867	91	67	1.204	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.129	105	204	3.086	ug/l #	31
85) sec-Butylbenzene	13.263	105	139	1.557	ug/l #	56
86) p-Isopropyltoluene	13.593	119	161	2.167	ug/l #	62
89) n-Butylbenzene	13.696	91	213	3.116	ug/l #	33
90) Hexachloroethane	14.038	117	97	6.738	ug/l #	6
95) Naphthalene	15.233	128	110	2.504	ug/l #	69

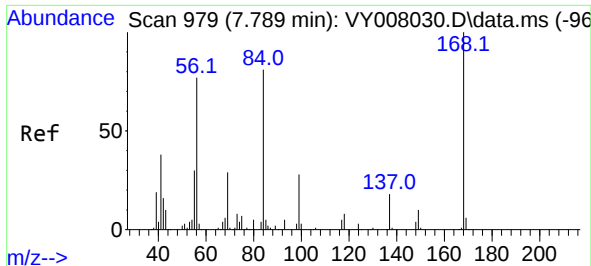
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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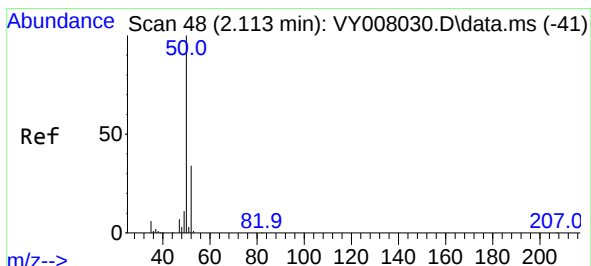
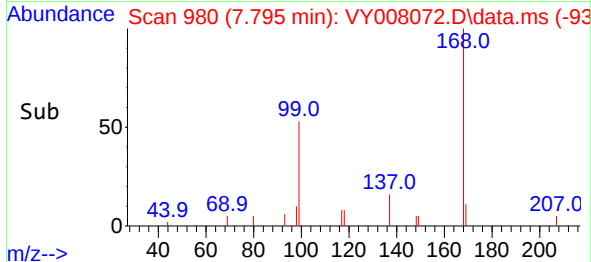
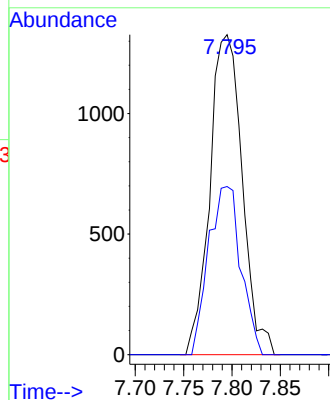
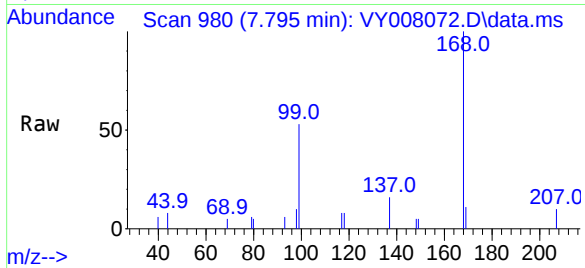




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

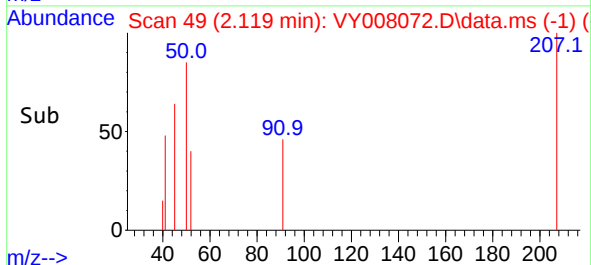
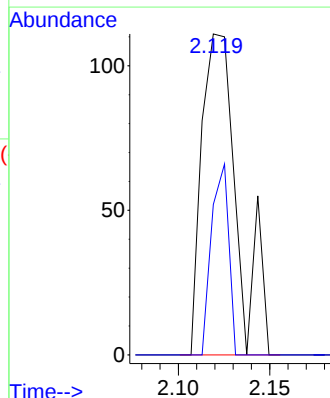
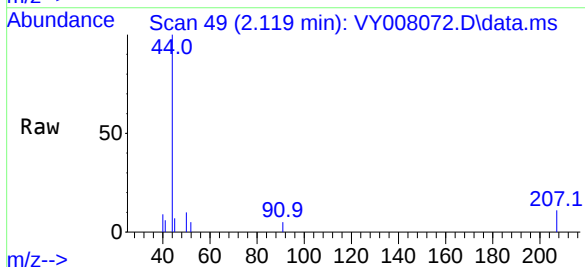
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

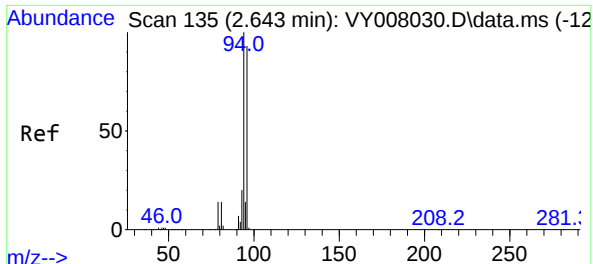
Tgt Ion:168 Resp: 3086
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#3
Chloromethane
Concen: 4.428 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion: 50 Resp: 150
Ion Ratio Lower Upper
50 100
52 46.8 24.6 37.0#

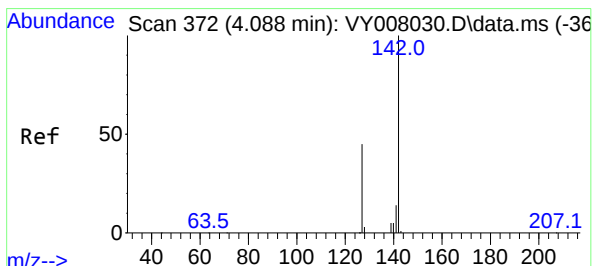
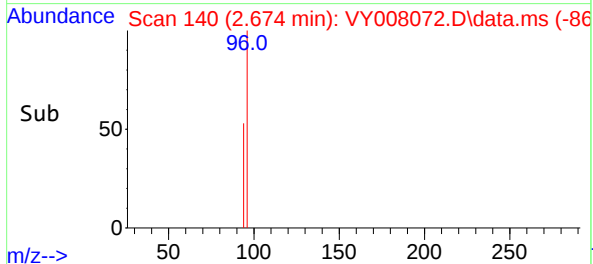
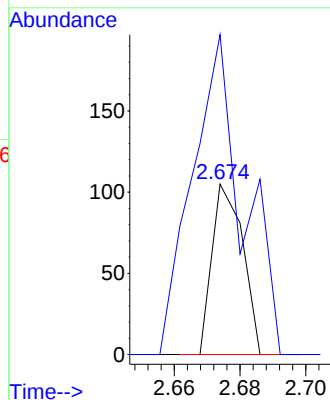
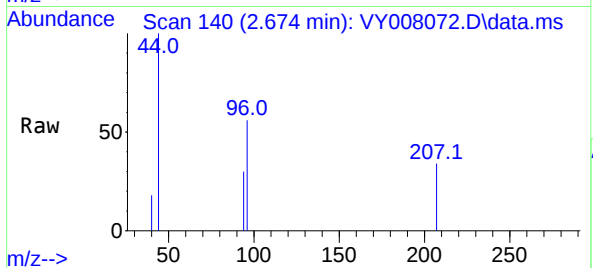




#5
Bromomethane
Concen: 1.841 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.031 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

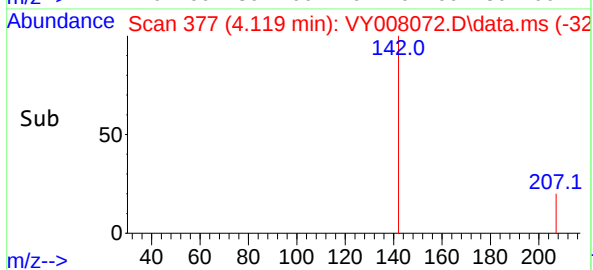
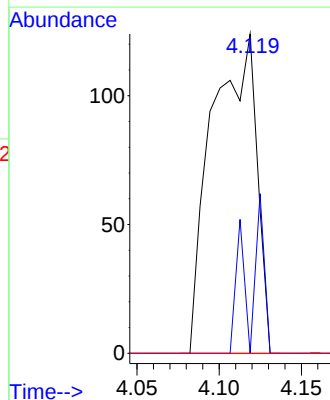
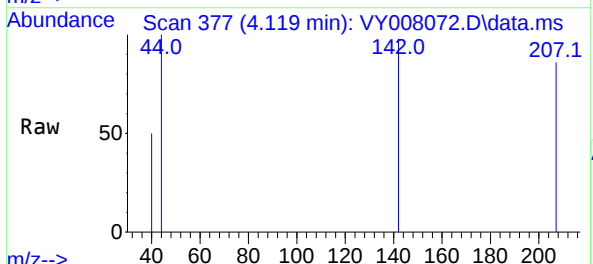
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

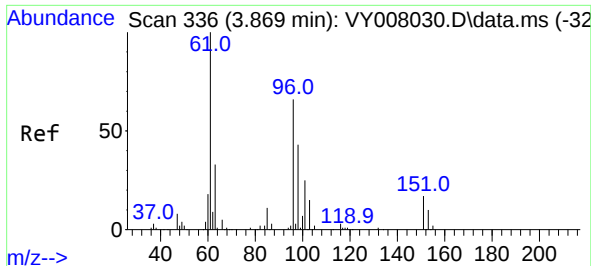
Tgt Ion: 94 Resp: 68
Ion Ratio Lower Upper
94 100
96 187.6 73.5 110.3#



#10
Methyl Iodide
Concen: 7.146 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.031 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion:142 Resp: 233
Ion Ratio Lower Upper
142 100
127 8.2 41.5 62.3#
141 0.0 11.9 17.9#





#12

1,1-Dichloroethene

Concen: 1.374 ug/l

RT: 3.991 min Scan# 3

Delta R.T. 0.122 min

Lab File: VY008072.D

Acq: 28 Mar 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

SB-11-4.0-5.0RE

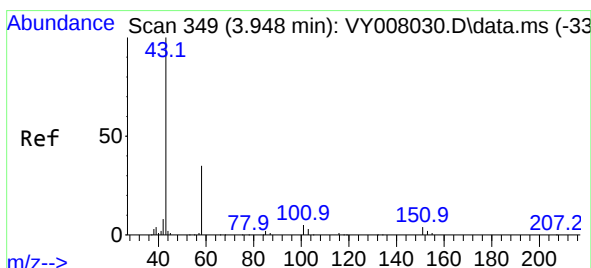
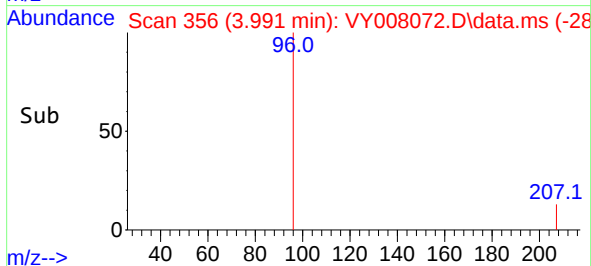
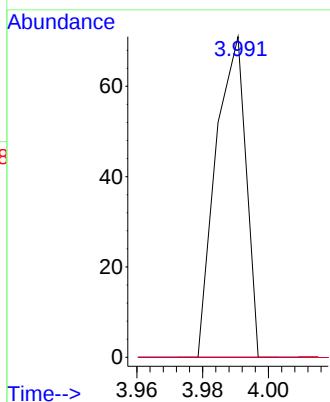
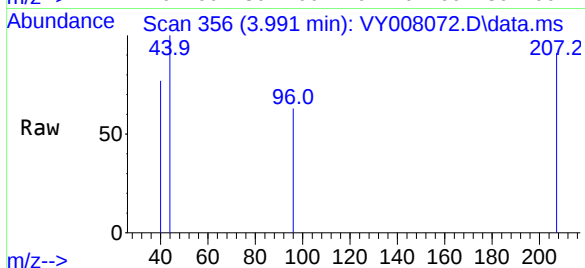
Tgt Ion: 96 Resp: 45

Ion Ratio Lower Upper

96 100

61 0.0 145.8 218.6#

98 0.0 52.5 78.7#



#16

Acetone

Concen: 28.826 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY008072.D

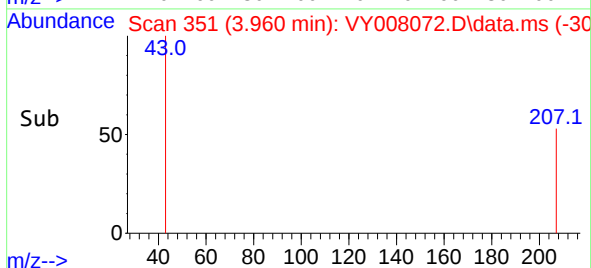
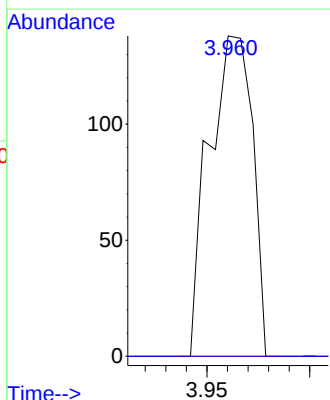
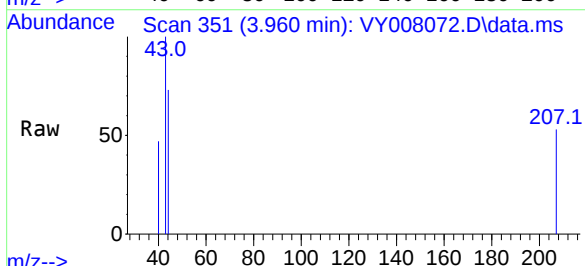
Acq: 28 Mar 2022 18:14

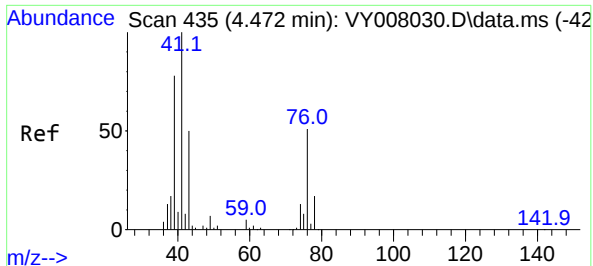
Tgt Ion: 43 Resp: 204

Ion Ratio Lower Upper

43 100

58 0.0 22.0 33.0#

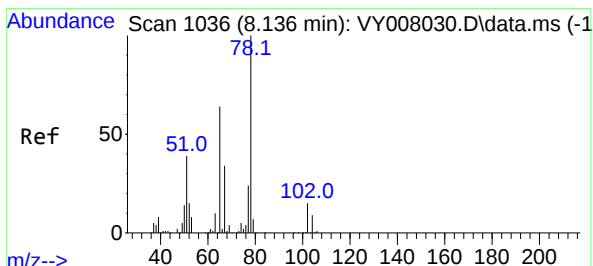
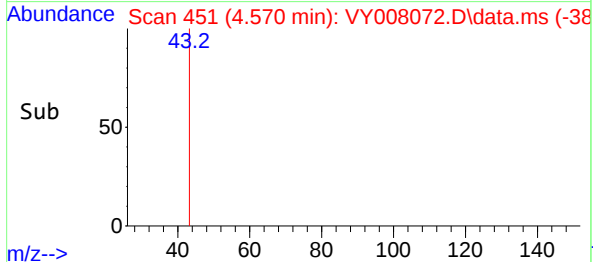
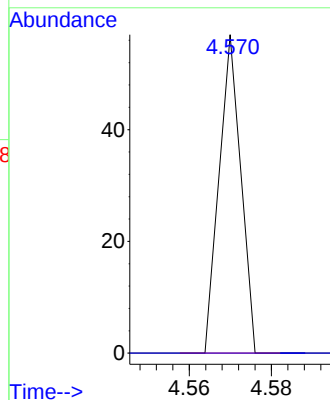
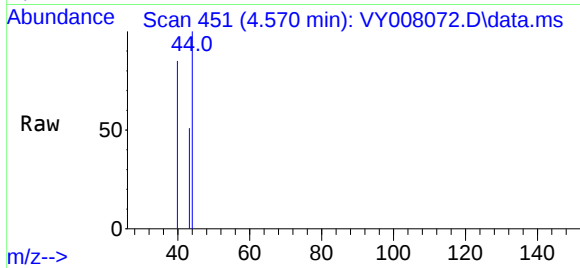




#18
Methyl Acetate
Concen: Below Cal
RT: 4.570 min Scan# 41
Delta R.T. 0.098 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

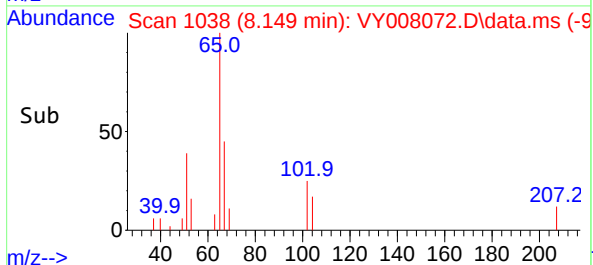
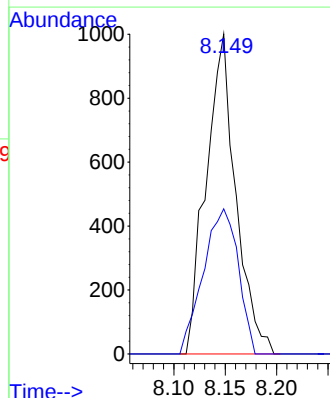
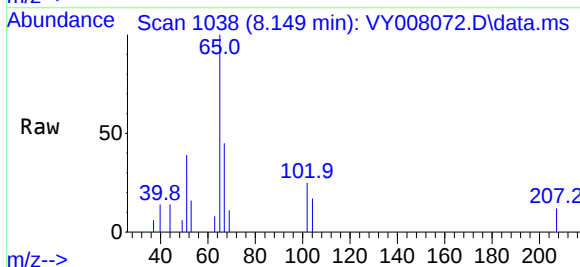
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

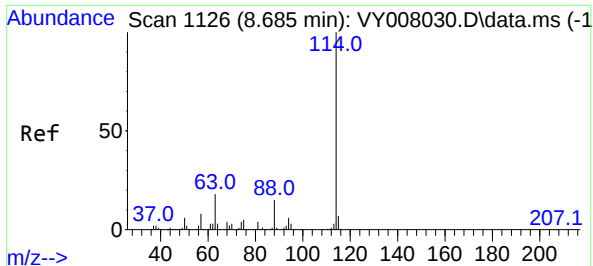
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#33
1,2-Dichloroethane-d4
Concen: 64.983 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.013 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion: 65 Resp: 2012
Ion Ratio Lower Upper
65 100
67 53.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1126

Delta R.T. 0.012 min

Lab File: VY008072.D

Acq: 28 Mar 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

SB-11-4.0-5.0RE

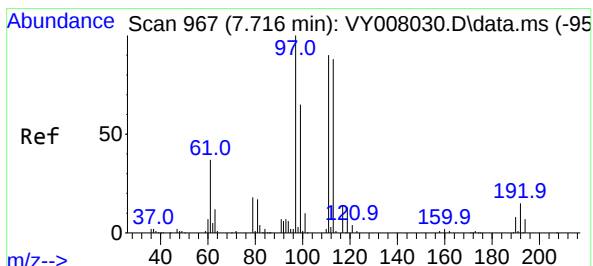
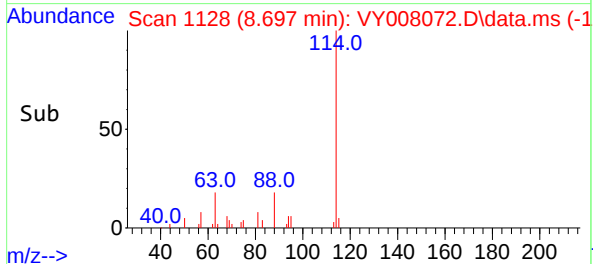
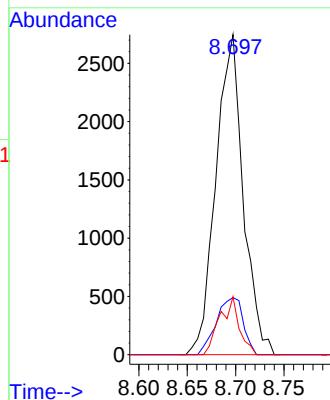
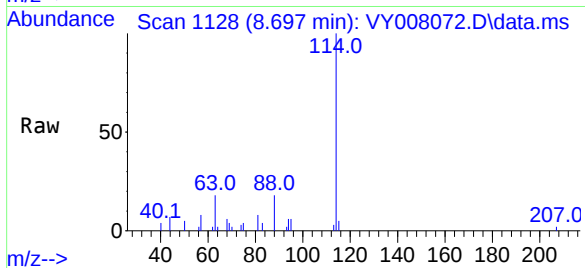
Tgt Ion:114 Resp: 5389

Ion Ratio Lower Upper

114 100

63 17.8 0.0 43.2

88 18.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.716 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY008072.D

Acq: 28 Mar 2022 18:14

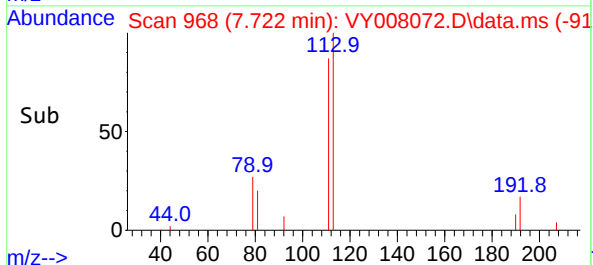
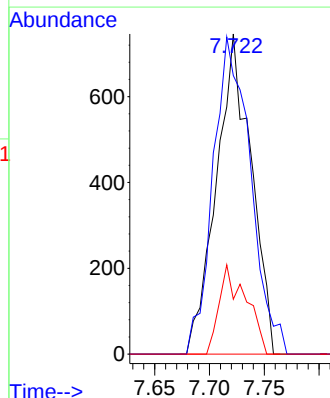
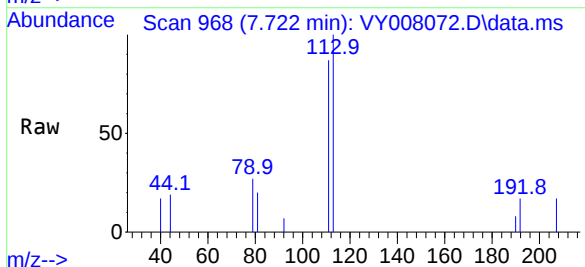
Tgt Ion:113 Resp: 1646

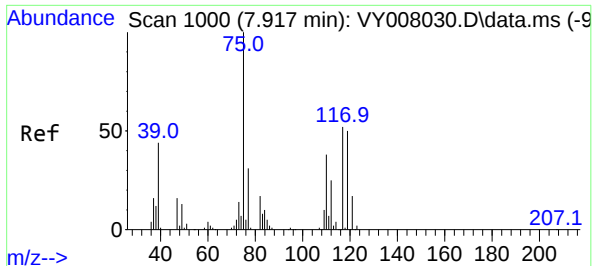
Ion Ratio Lower Upper

113 100

111 106.4 82.6 124.0

192 21.5 17.6 26.4





#36

1,1-Dichloropropene

Concen: 2.600 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008072.D

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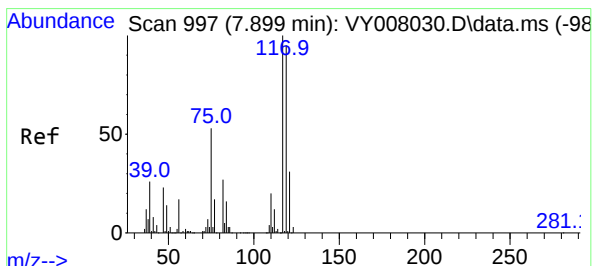
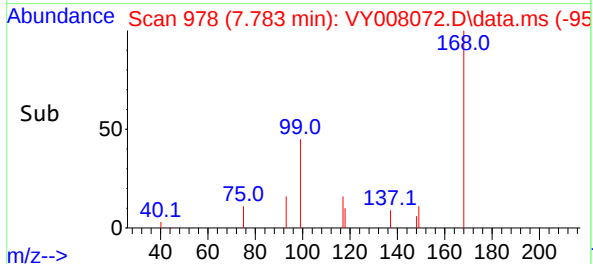
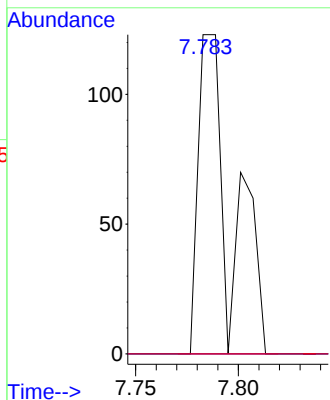
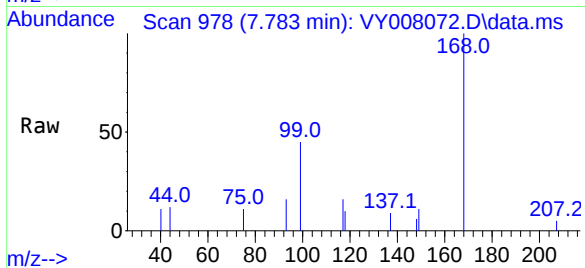
Tgt Ion: 75 Resp: 138

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.584 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY008072.D

Acq: 28 Mar 2022 18:14

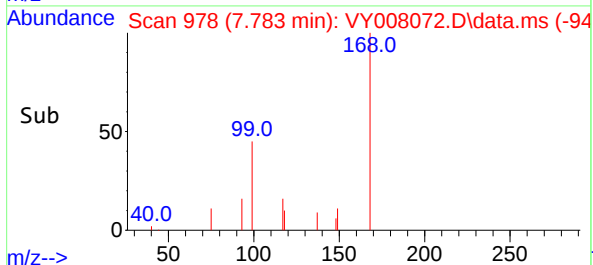
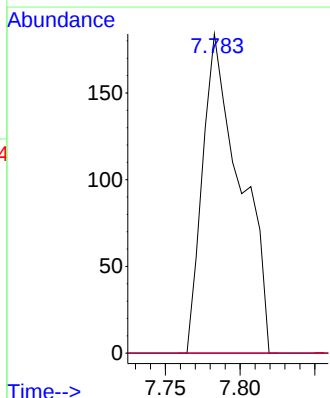
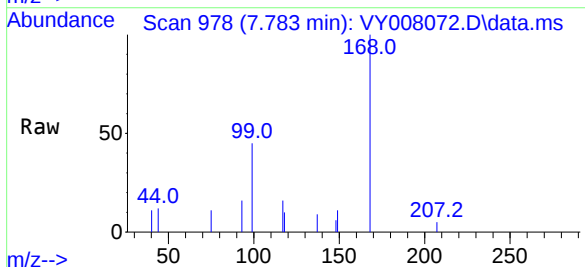
Tgt Ion: 117 Resp: 323

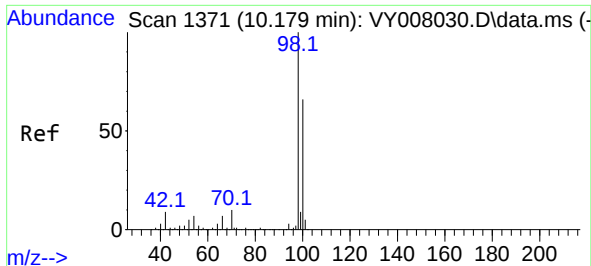
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

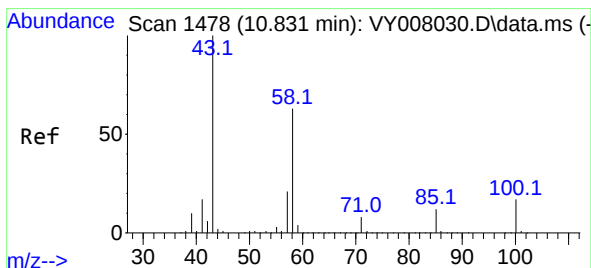
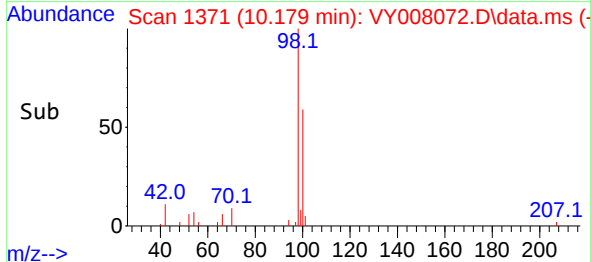
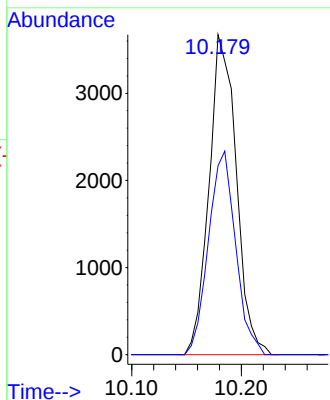
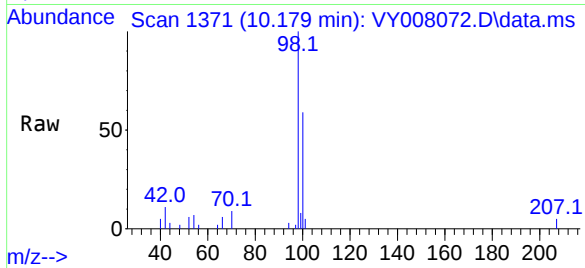




#50
Toluene-d8
Concen: 49.861 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

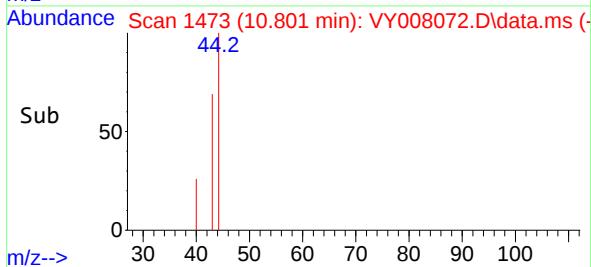
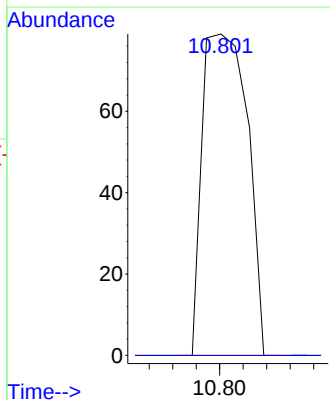
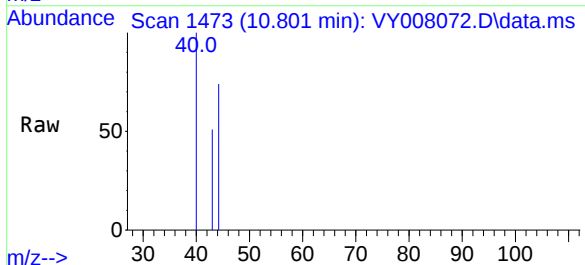
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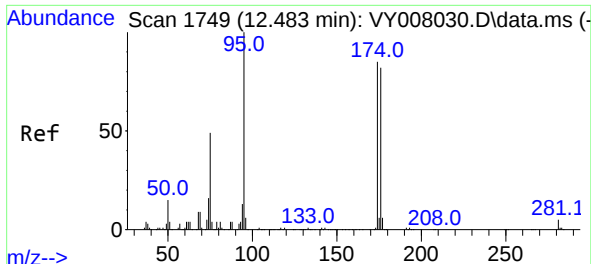
Tgt Ion: 98 Resp: 6347
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2



#59
2-Hexanone
Concen: 6.171 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.030 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion: 43 Resp: 106
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

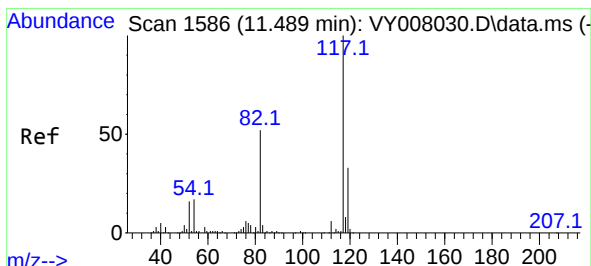
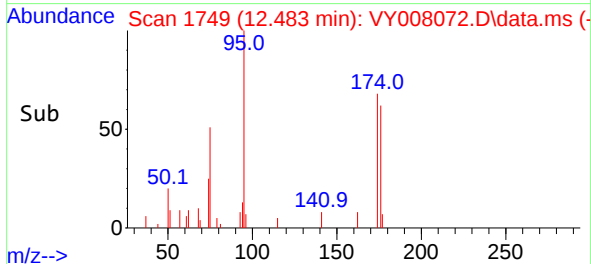
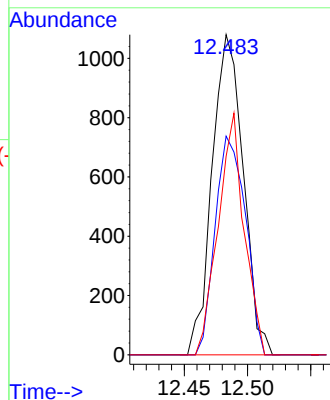
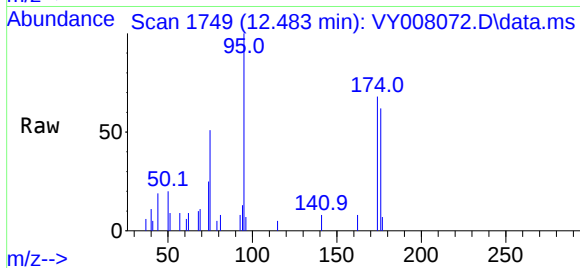




#62
4-Bromofluorobenzene
Concen: 41.149 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

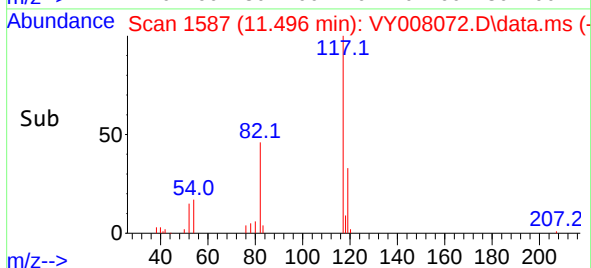
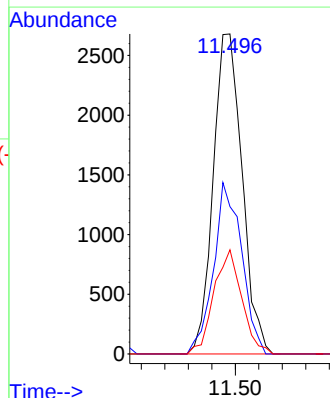
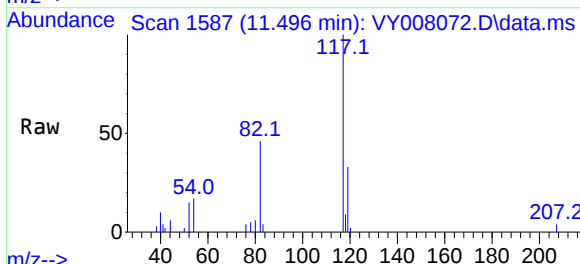
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

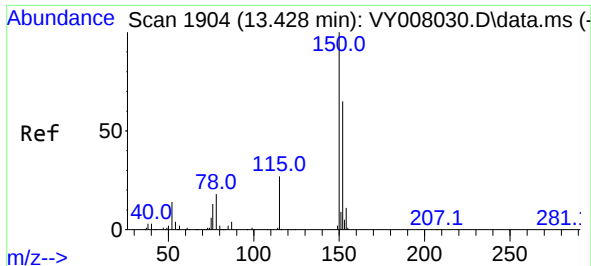
Tgt Ion:	95	Resp:	1848
Ion	Ratio	Lower	Upper
95	100		
174	66.7	0.0	177.0
176	62.9	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion:	117	Resp:	4585
Ion	Ratio	Lower	Upper
117	100		
82	46.0	43.0	64.4
119	32.5	25.4	38.0

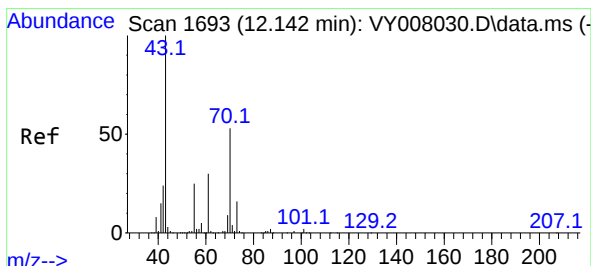
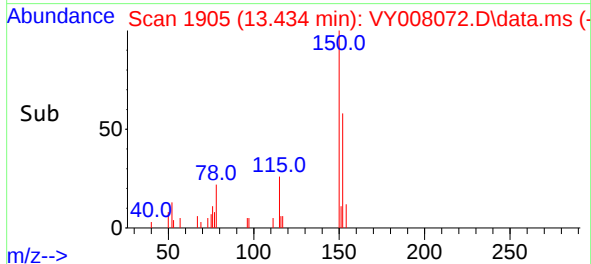
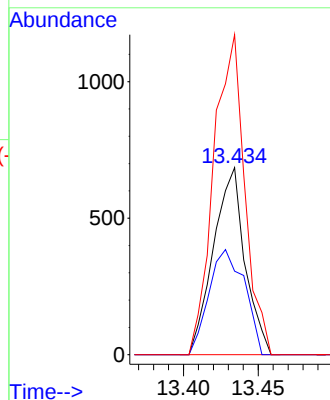
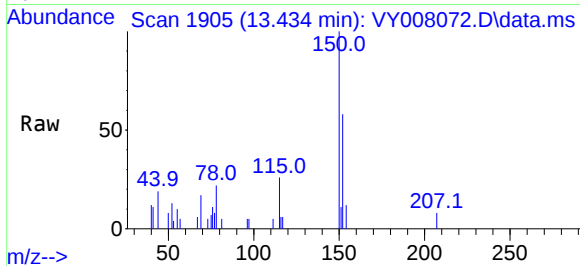




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

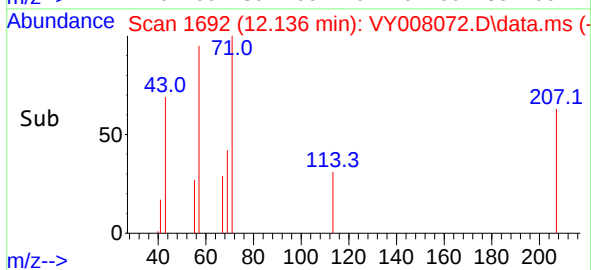
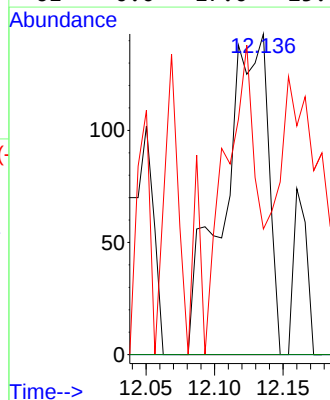
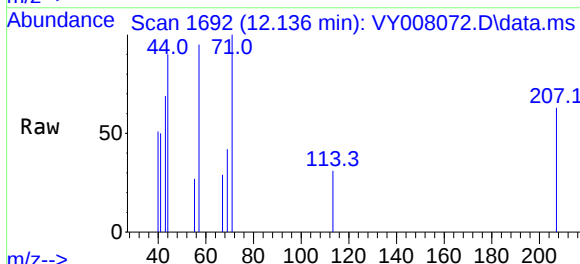
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

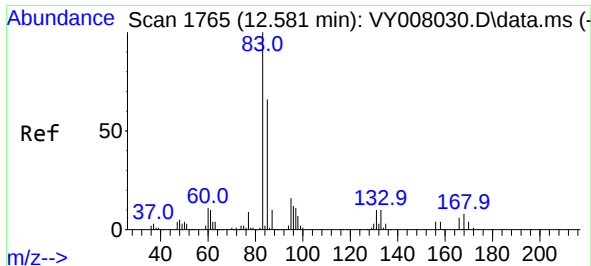
Tgt Ion:	152	Resp:	1004
Ion	Ratio	Lower	Upper
152	100		
115	63.5	28.2	84.7
150	168.3	0.0	347.6



#74
N-ethyl acetate
Concen: 17.786 ug/l
RT: 12.136 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion:	43	Resp:	324
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	68.5	17.3	25.9#
61	0.0	17.0	25.6#

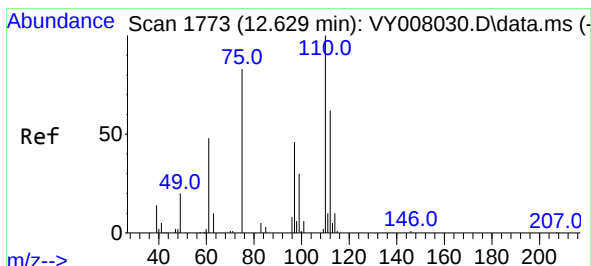
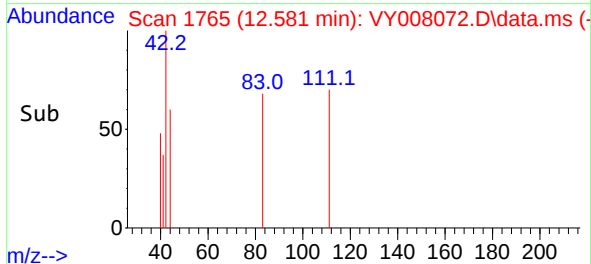
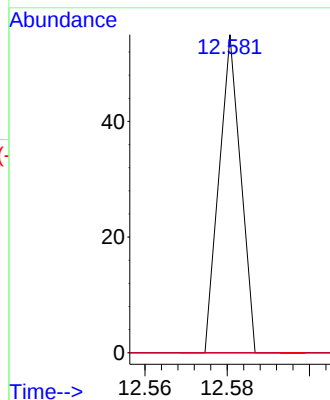
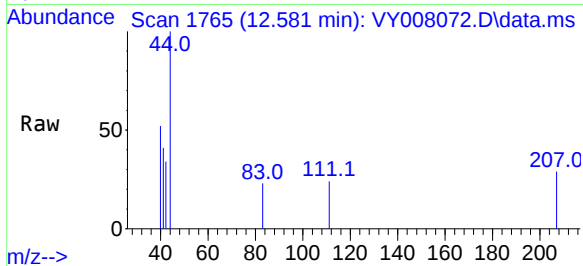




#75
1,1,2,2-Tetrachloroethane
Concen: 1.242 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

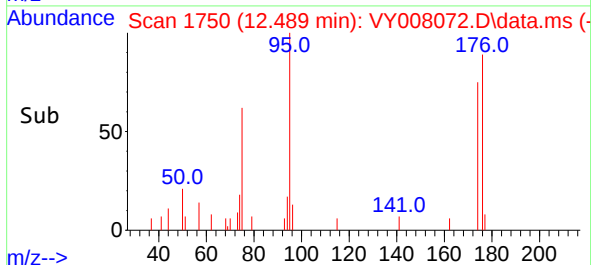
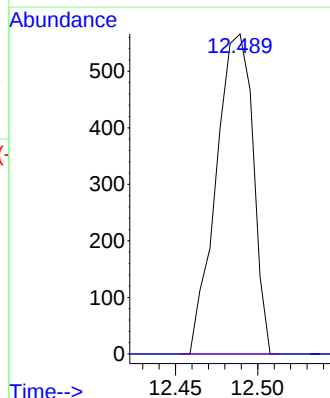
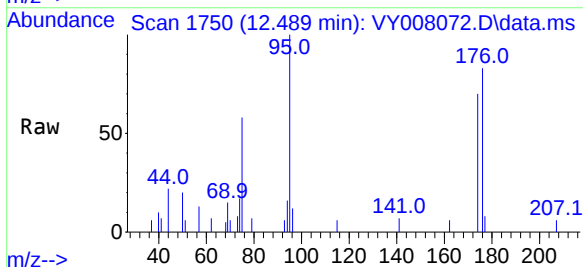
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

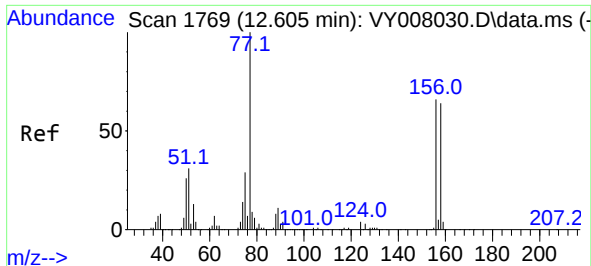
Tgt Ion: 83 Resp: 20
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 0.0 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 72.229 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.140 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion: 75 Resp: 884
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

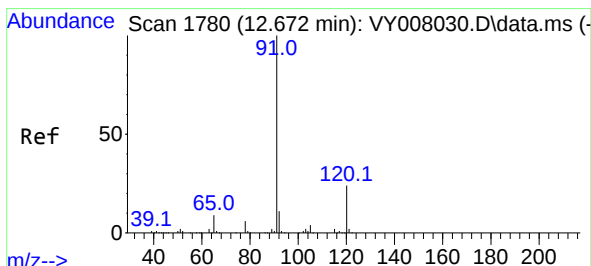
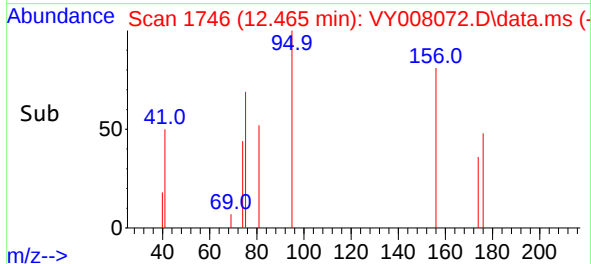
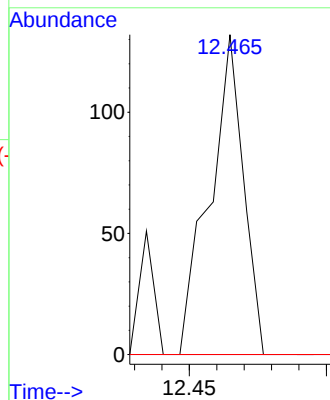
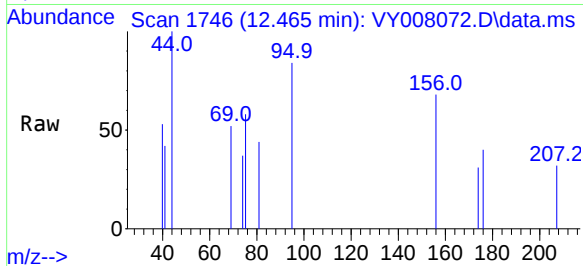




#77
Bromobenzene
Concen: 5.944 ug/l
RT: 12.465 min Scan# 11
Delta R.T. -0.140 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

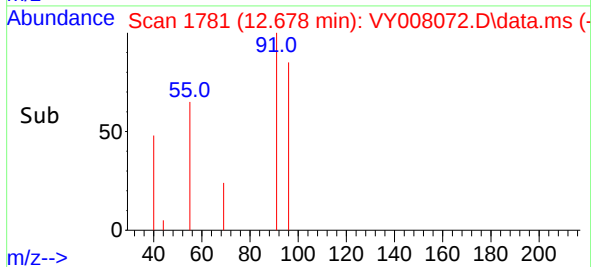
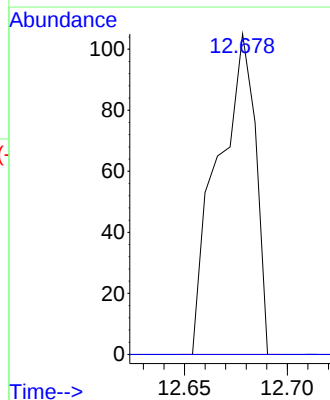
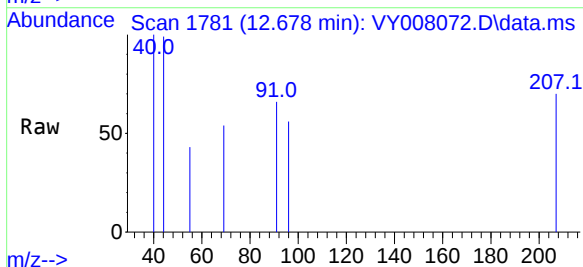
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

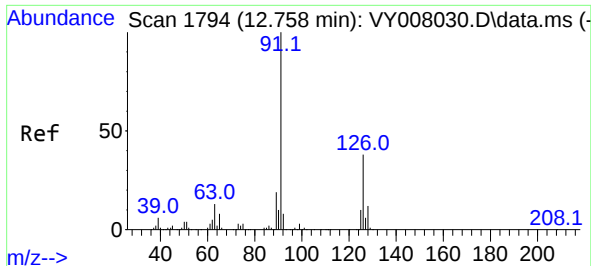
Tgt Ion:156 Resp: 113
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.0 48.0 144.0#



#78
n-propylbenzene
Concen: 1.371 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion: 91 Resp: 134
Ion Ratio Lower Upper
91 100
120 0.0 11.3 33.9#





#79

2-Chlorotoluene

Concen: 2.471 ug/l

RT: 12.678 min Scan# 11

Delta R.T. -0.080 min

Lab File: VY008072.D

Acq: 28 Mar 2022 18:14

Instrument :

MSVOA_Y

ClientSampleId :

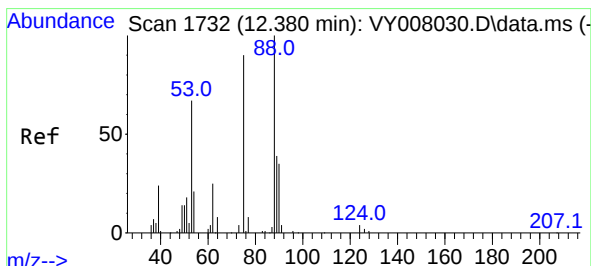
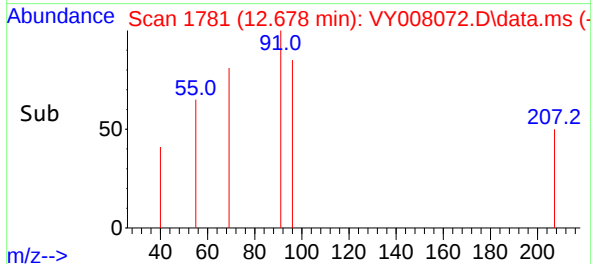
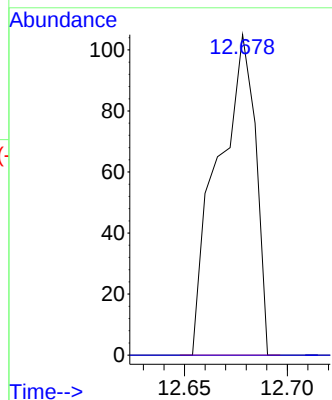
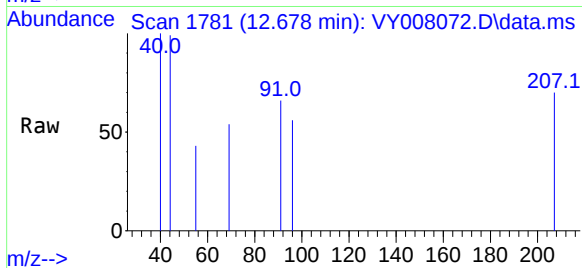
SB-11-4.0-5.0RE

Tgt Ion: 91 Resp: 134

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 161.155 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.109 min

Lab File: VY008072.D

Acq: 28 Mar 2022 18:14

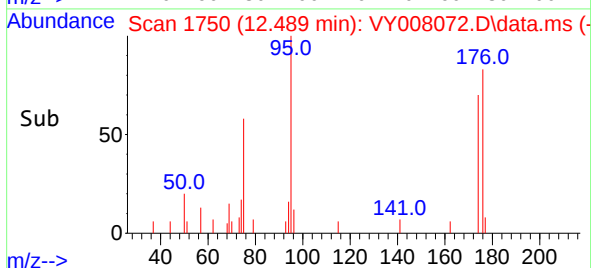
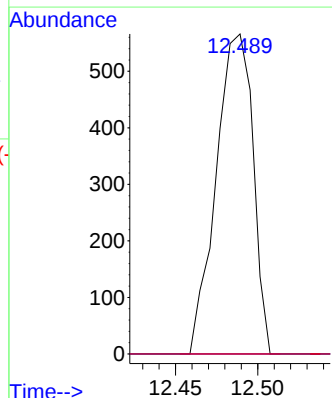
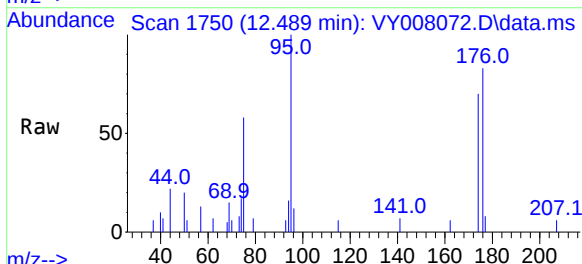
Tgt Ion: 75 Resp: 884

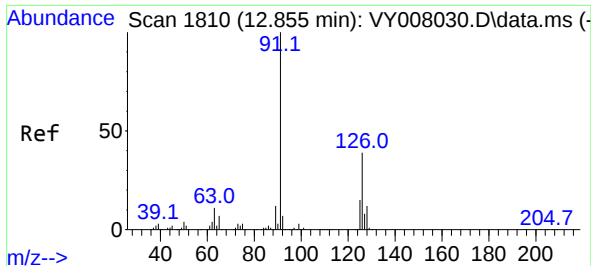
Ion Ratio Lower Upper

75 100

53 0.0 85.3 127.9#

89 0.0 37.0 55.4#

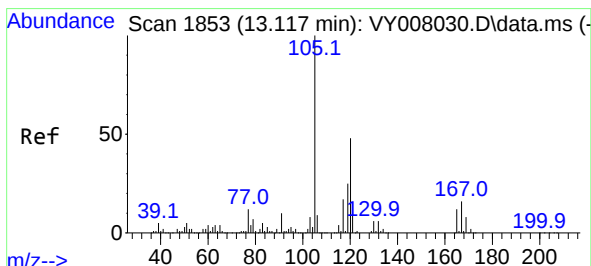
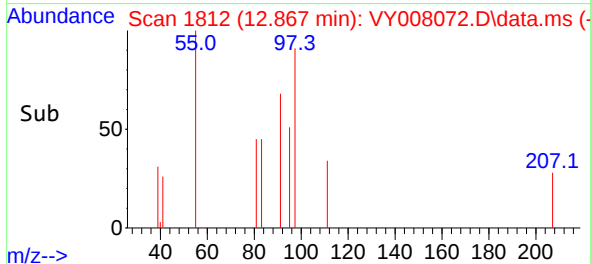
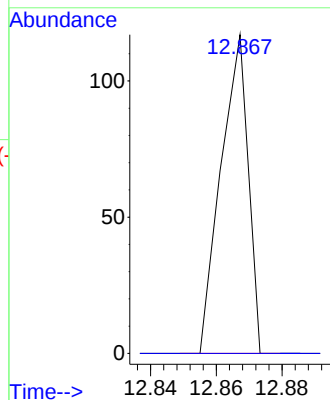
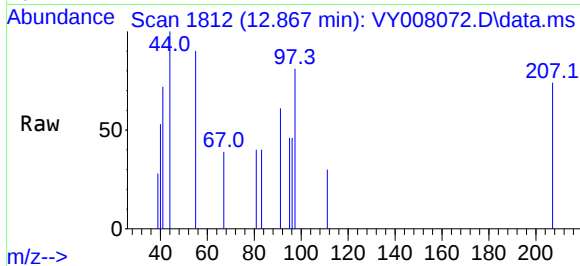




#82
4-Chlorotoluene
Concen: 1.204 ug/l
RT: 12.867 min Scan# 1812
Delta R.T. 0.012 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

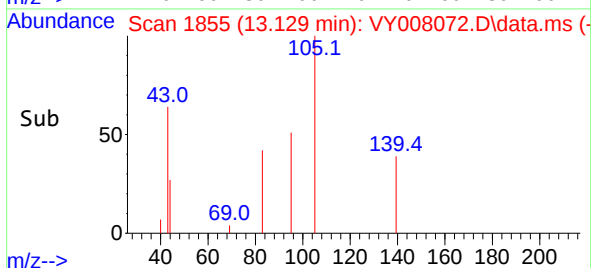
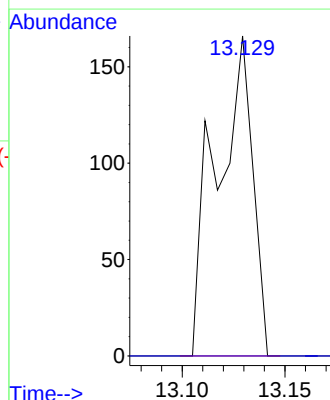
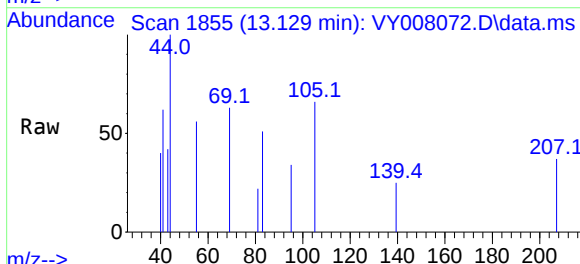
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

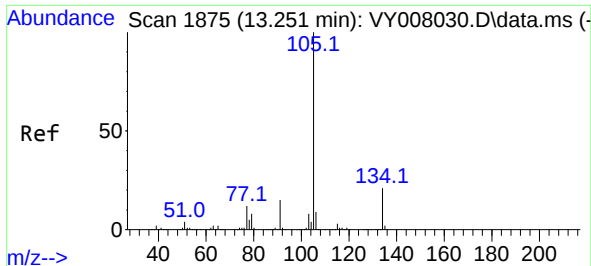
Tgt Ion: 91 Resp: 67
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.086 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.012 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Tgt Ion: 105 Resp: 204
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.9#

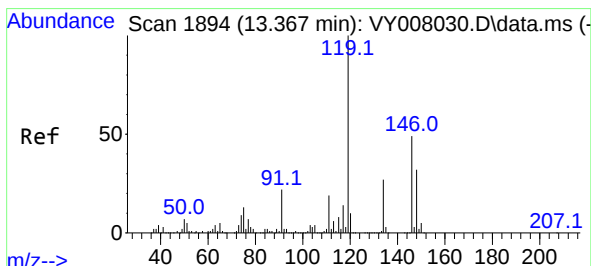
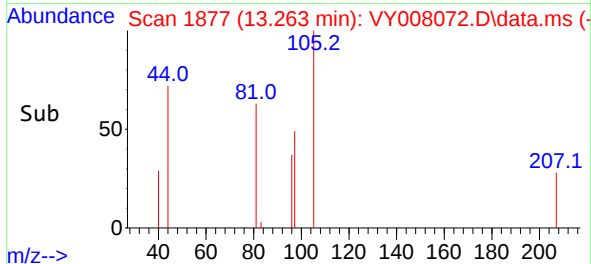
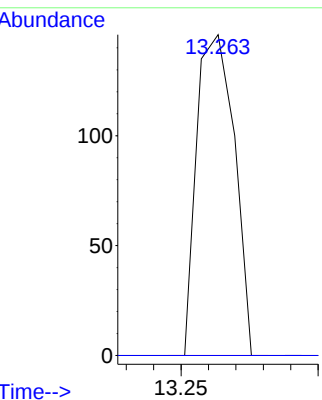
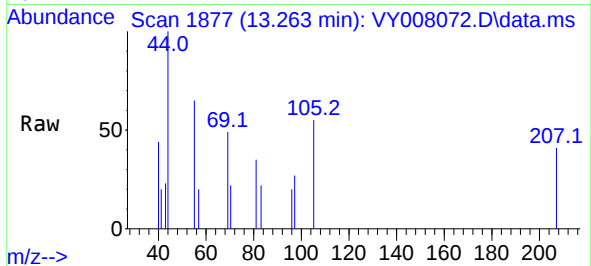




#85
 sec-Butylbenzene
 Concen: 1.557 ug/l
 RT: 13.263 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: VY008072.D
 Acq: 28 Mar 2022 18:14

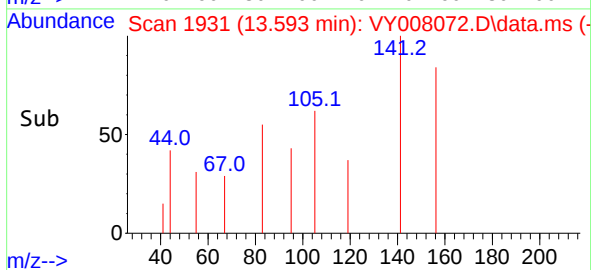
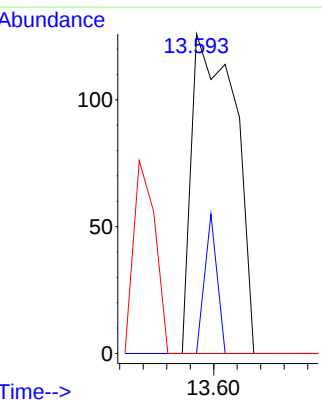
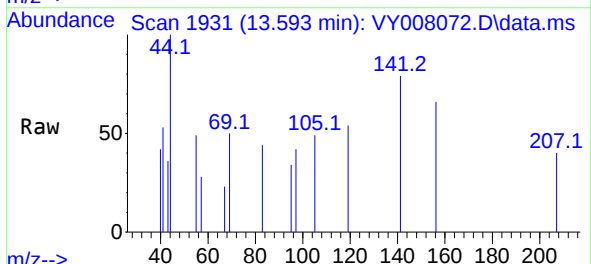
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-11-4.0-5.0RE

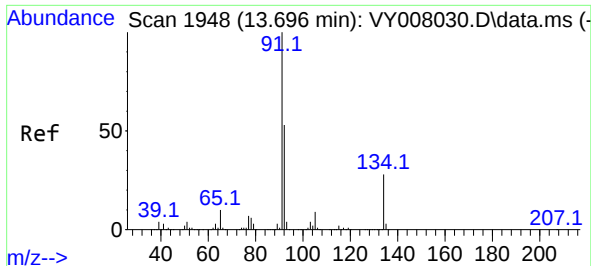
Tgt Ion:105 Resp: 139
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 2.167 ug/l
 RT: 13.593 min Scan# 1931
 Delta R.T. 0.226 min
 Lab File: VY008072.D
 Acq: 28 Mar 2022 18:14

Tgt Ion:119 Resp: 161
 Ion Ratio Lower Upper
 119 100
 134 12.4 13.2 39.5#
 91 0.0 12.4 37.2#

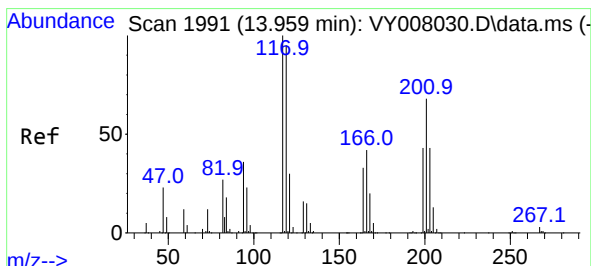
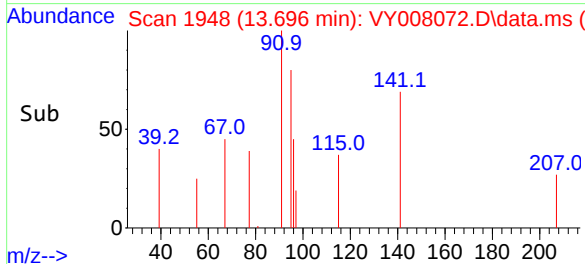
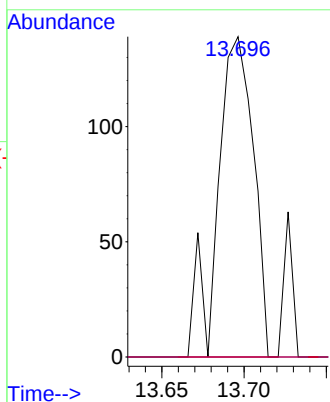
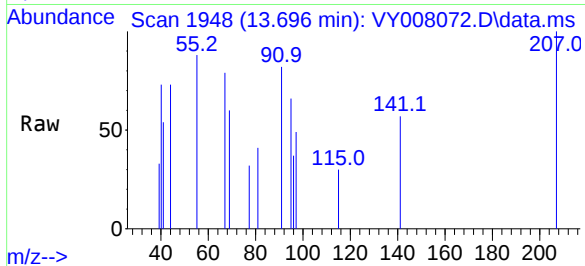




#89
n-Butylbenzene
Concen: 3.116 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

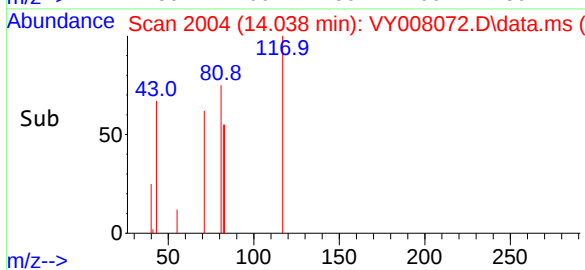
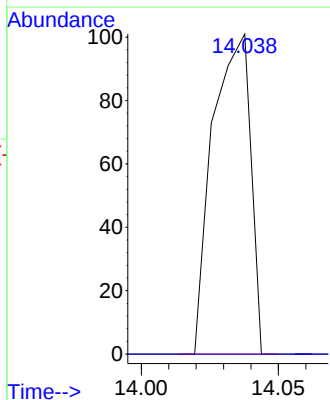
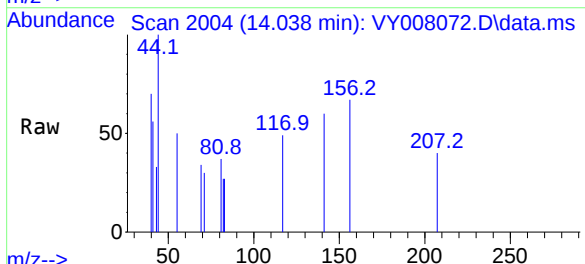
Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE

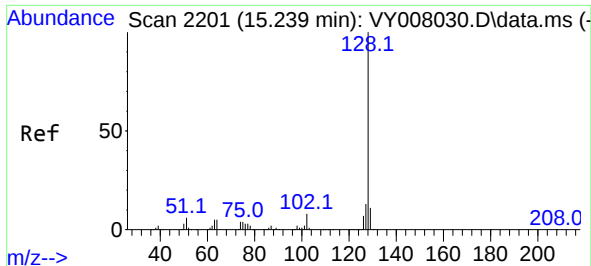
Tgt Ion: 91 Resp: 213
Ion Ratio Lower Upper
91 100
92 0.0 26.3 78.9#
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 6.738 ug/l
RT: 14.038 min Scan# 2004
Delta R.T. 0.079 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

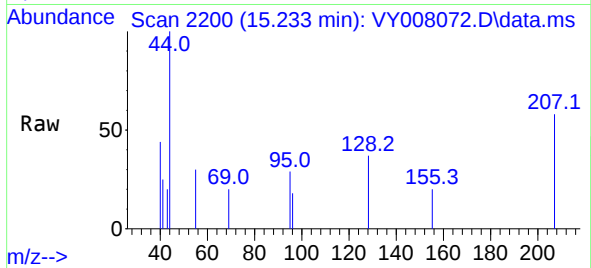
Tgt Ion: 117 Resp: 97
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#95
Naphthalene
Concen: 2.504 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY008072.D
Acq: 28 Mar 2022 18:14

Instrument :
MSVOA_Y
ClientSampleId :
SB-11-4.0-5.0RE



Tgt Ion:128 Resp: 110
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

