

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007160.D
 Acq On : 14 Jan 2022 11:50
 Operator : SY/MD
 Sample : N1119-03
 Misc : 6.47g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

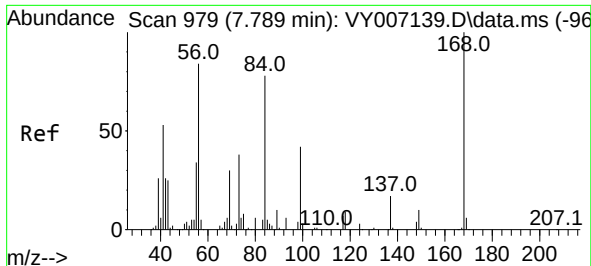
Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 14 13:46:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	69258	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	116183	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	97782	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	42254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	34422	40.506	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	81.020%
35) Dibromofluoromethane	7.716	113	35181	44.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.560%
50) Toluene-d8	10.179	98	140726	49.023	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.040%
62) 4-Bromofluorobenzene	12.477	95	52226	51.146	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	1927	22.209	ug/l #	77
13) Acrolein	3.723	56	89	Below Cal	#	15
16) Acetone	3.936	43	11168	50.638	ug/l	95
17) Carbon Disulfide	4.186	76	3928	1.805	ug/l	97
20) Methylene Chloride	4.704	84	1264	1.386	ug/l	87
25) 2-Butanone	6.978	43	1409	4.941	ug/l #	80
31) Cyclohexane	7.783	56	2360	1.643	ug/l #	53
36) 1,1-Dichloropropene	7.789	75	6149	4.901	ug/l #	50
37) Ethyl Acetate	6.978	43	1409	2.188	ug/l #	67
38) Carbon Tetrachloride	7.789	117	7371	5.585	ug/l #	16
48) Methyl methacrylate	9.246	41	1324	2.323	ug/l #	38
55) 1,1,2-Trichloroethane	10.618	97	5244	7.681	ug/l #	24
56) Ethyl methacrylate	10.520	69	1957	2.035	ug/l #	1
59) 2-Hexanone	10.801	43	10608	24.604	ug/l #	29
74) N-amyl acetate	12.124	43	68085	69.765	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.563	83	6077	8.563	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	26146	54.267	ug/l #	100
78) n-propylbenzene	12.672	91	14292	3.159	ug/l	97
80) 1,3,5-Trimethylbenzene	12.813	105	8114	2.708	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	26146	99.347	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.123	105	34131	11.491	ug/l	99
85) sec-Butylbenzene	13.252	105	8578	2.214	ug/l #	52
86) p-Isopropyltoluene	13.367	119	7471	2.347	ug/l	96
90) Hexachloroethane	13.971	117	2654	4.265	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.337	75	336	2.741	ug/l #	3
93) 1,2,4-Trichlorobenzene	15.007	180	997	1.185	ug/l #	1
95) Naphthalene	15.233	128	3818	2.137	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.428	180	754	1.051	ug/l #	75

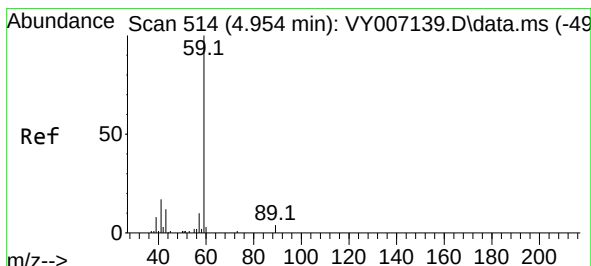
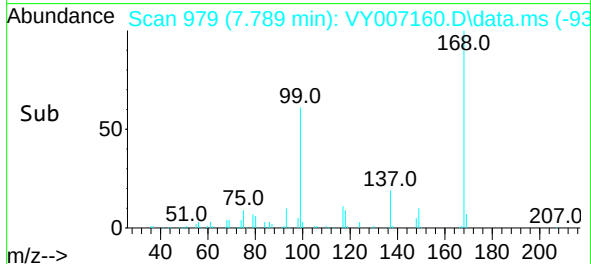
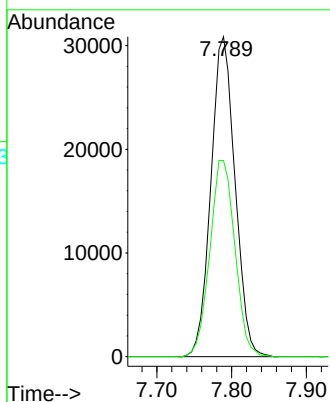
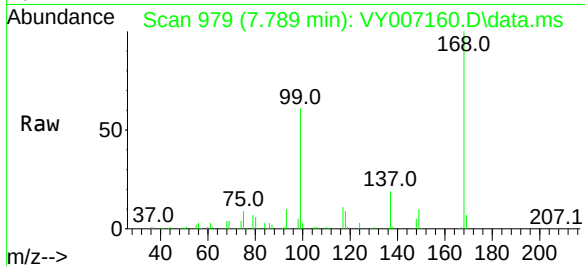
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

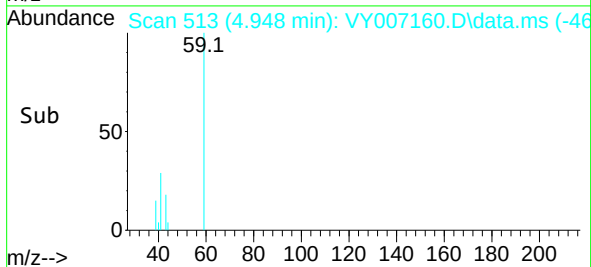
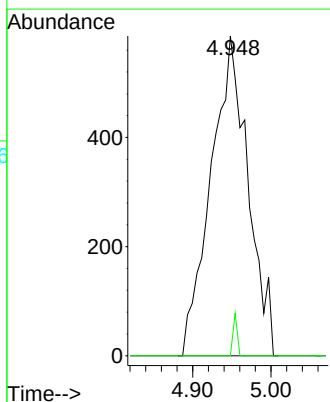
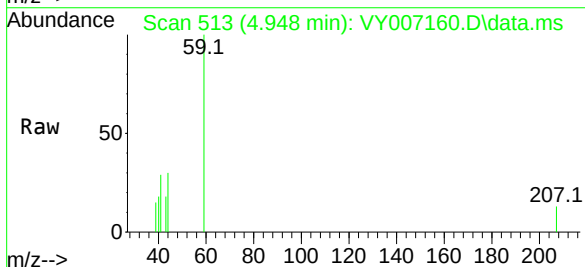
Instrument :
MSVOA_Y
ClientSampleId :

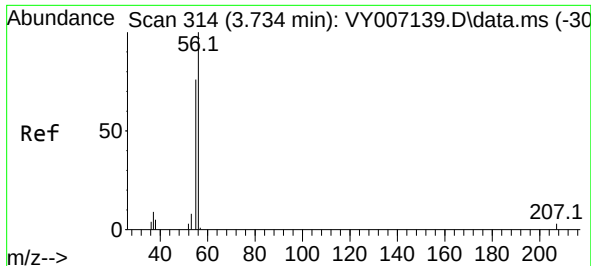
Tgt Ion:168 Resp: 69258
Ion Ratio Lower Upper
168 100
99 61.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 22.209 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

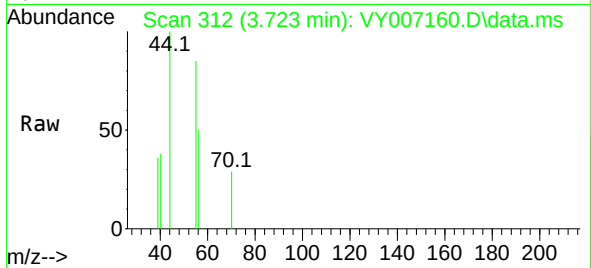
Tgt Ion: 59 Resp: 1927
Ion Ratio Lower Upper
59 100
57 1.5 8.1 12.1#



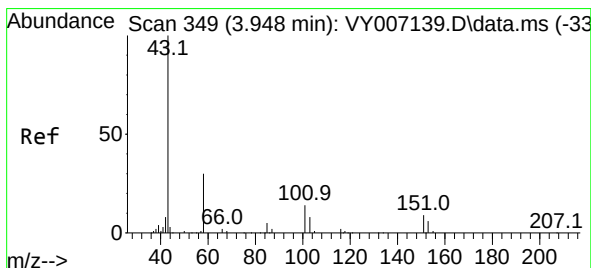
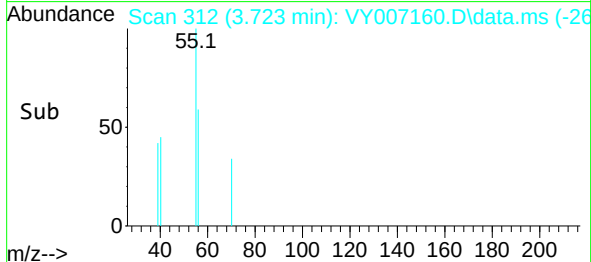
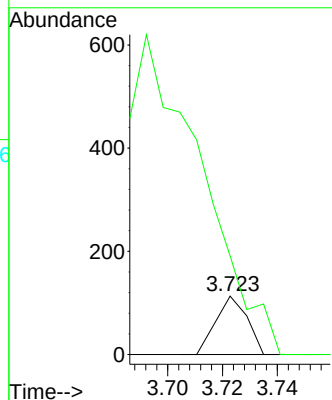


#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 314
Delta R.T. -0.011 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Instrument :
MSVOA_Y
ClientSampleId :

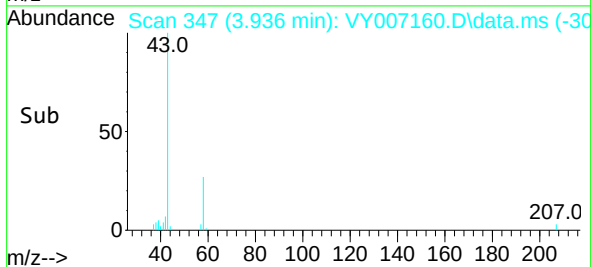
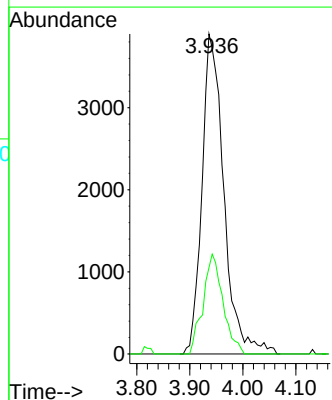
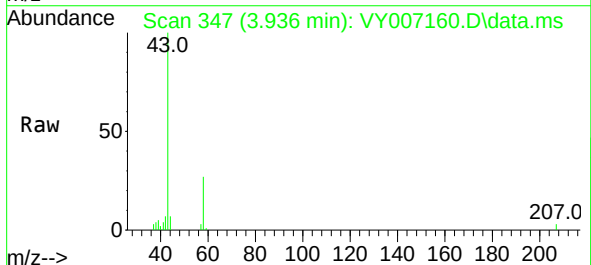


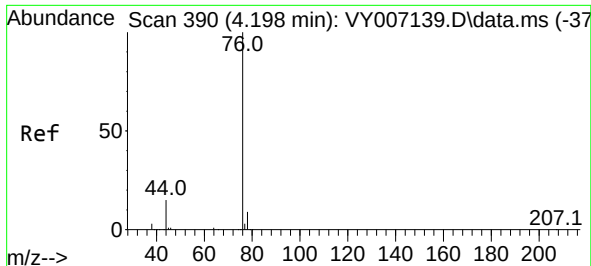
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#



#16
Acetone
Concen: 50.638 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Tgt Ion: 43 Resp: 11168
Ion Ratio Lower Upper
43 100
58 27.0 23.8 35.6

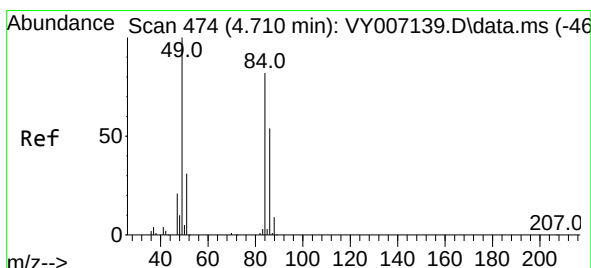
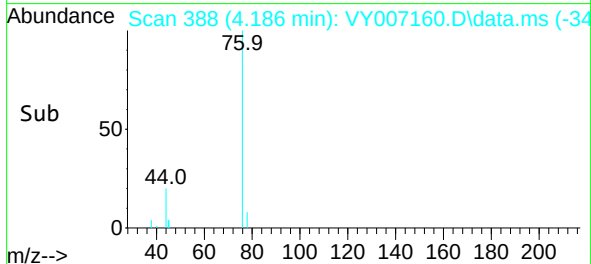
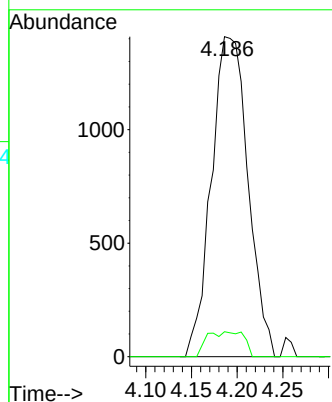
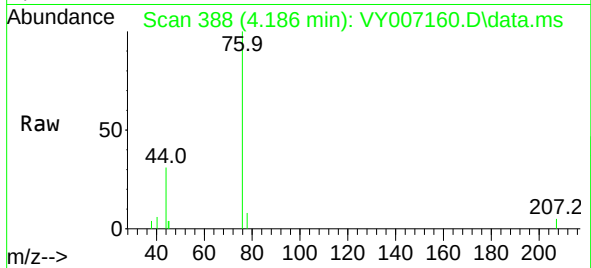




#17
Carbon Disulfide
Concen: 1.805 ug/l
RT: 4.186 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

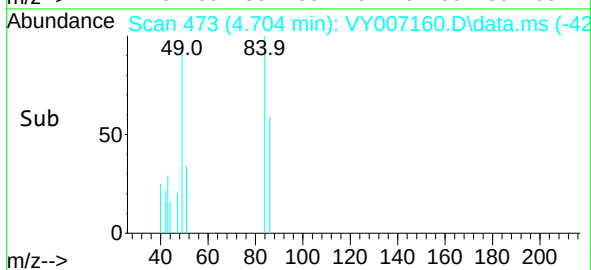
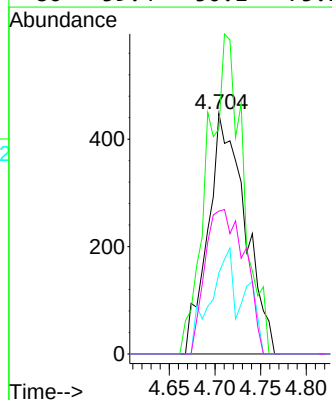
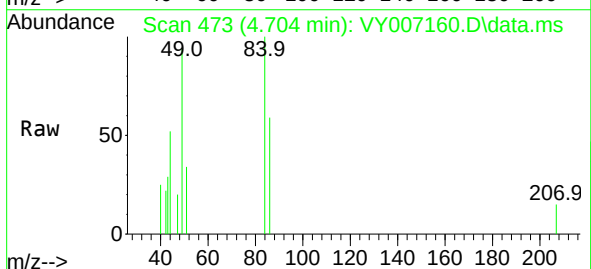
Instrument :
MSVOA_Y
ClientSampleId :

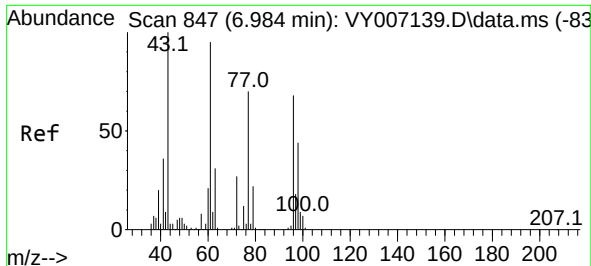
Tgt Ion: 76 Resp: 3928
Ion Ratio Lower Upper
76 100
78 7.8 7.2 10.8



#20
Methylene Chloride
Concen: 1.386 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Tgt Ion: 84 Resp: 1264
Ion Ratio Lower Upper
84 100
49 93.5 92.6 139.0
51 33.7 28.6 42.8
86 59.4 50.1 75.1





#25

2-Butanone

Concen: 4.941 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

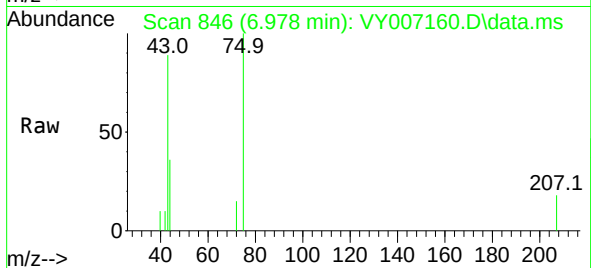
Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Instrument :

MSVOA_Y

ClientSampleId :

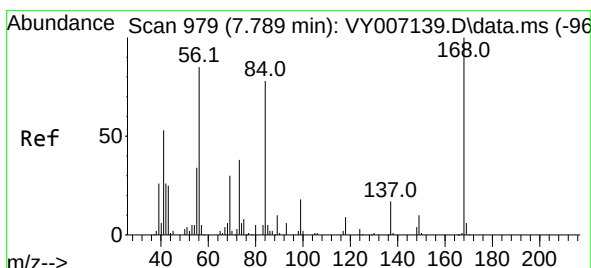
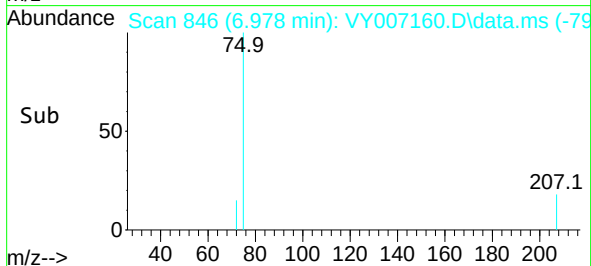
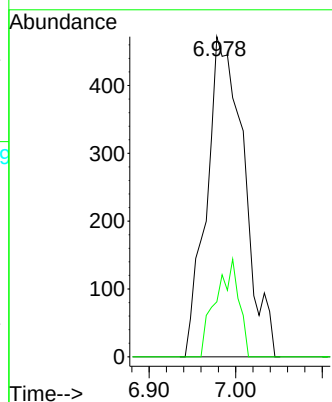


Tgt Ion: 43 Resp: 1409

Ion Ratio Lower Upper

43 100

72 17.2 21.9 32.9#



#31

Cyclohexane

Concen: 1.643 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

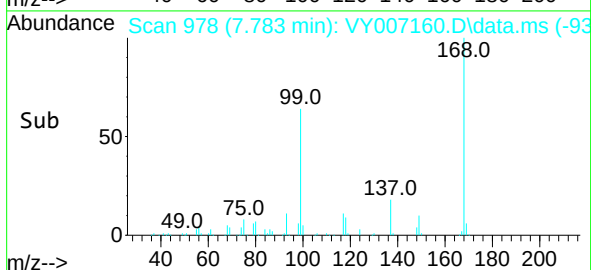
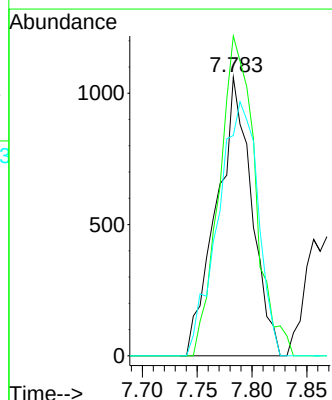
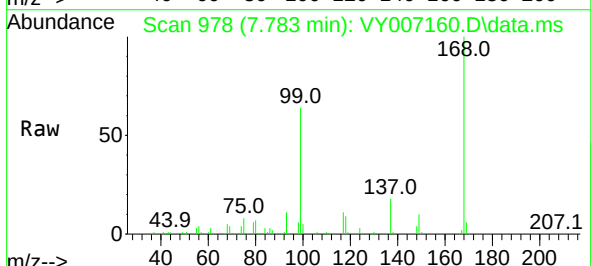
Tgt Ion: 56 Resp: 2360

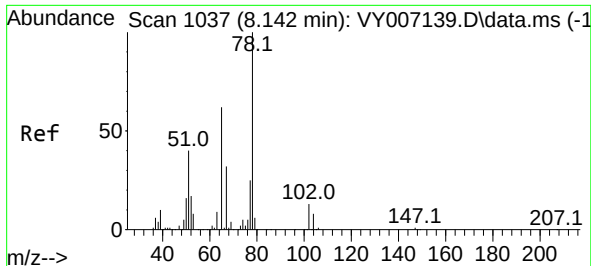
Ion Ratio Lower Upper

56 100

69 114.8 27.2 40.8#

84 79.1 72.1 108.1





#33

1,2-Dichloroethane-d4

Concen: 40.506 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Instrument :

MSVOA_Y

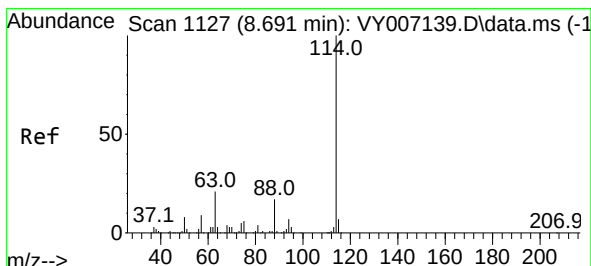
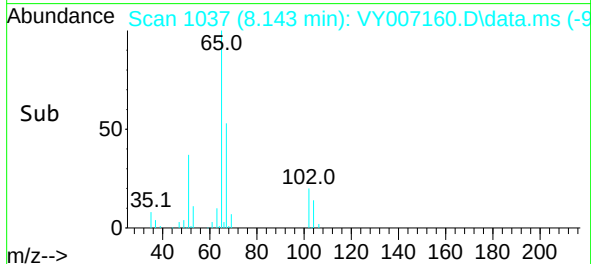
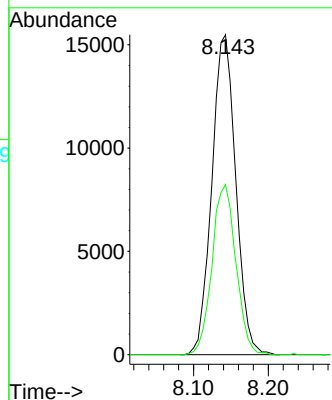
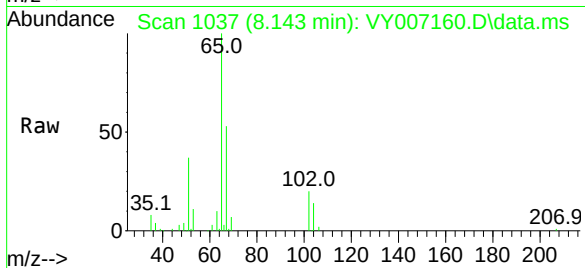
ClientSampleId :

Tgt Ion: 65 Resp: 34422

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

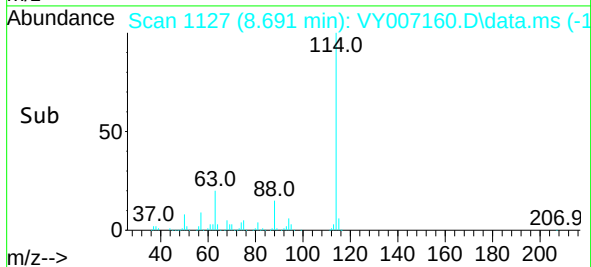
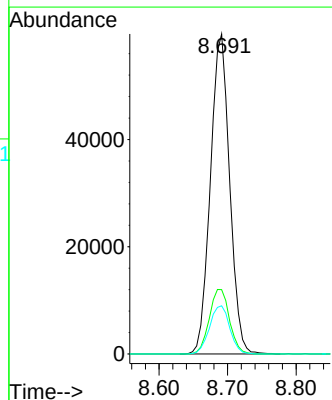
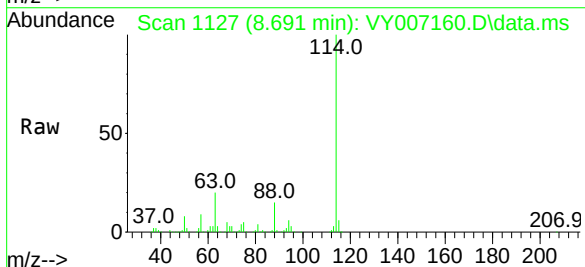
Tgt Ion: 114 Resp: 116183

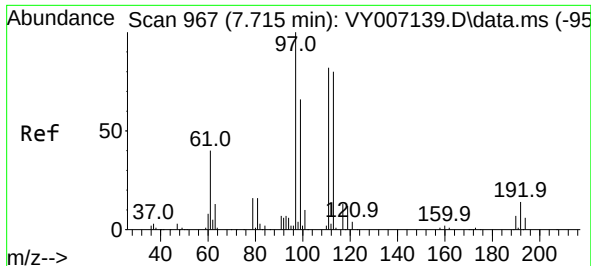
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

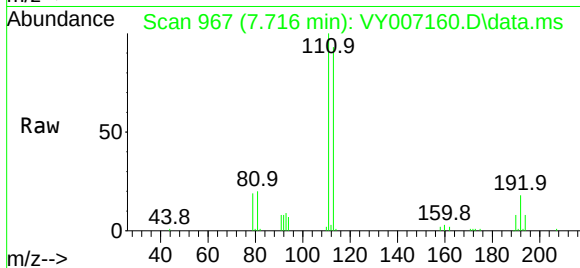
88 15.1 0.0 31.0



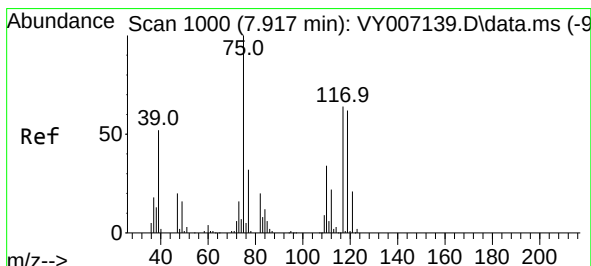
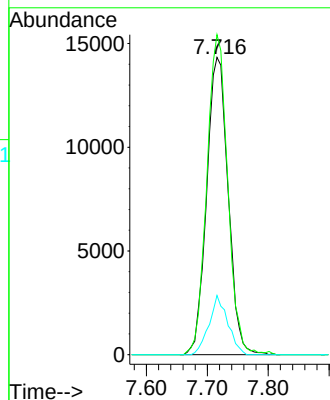
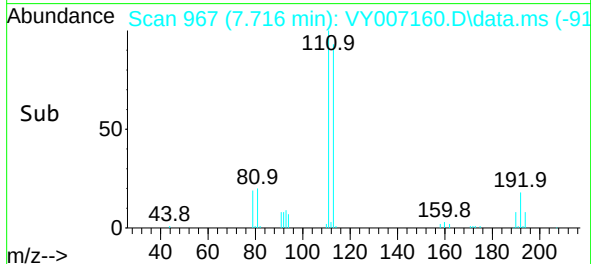


#35
Dibromofluoromethane
Concen: 44.782 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.001 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Instrument :
MSVOA_Y
ClientSampleId :

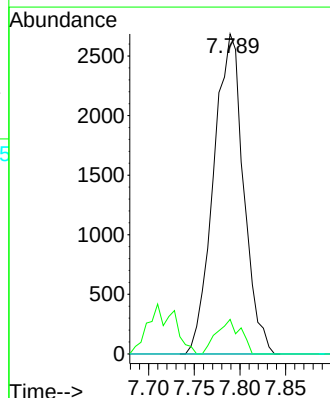
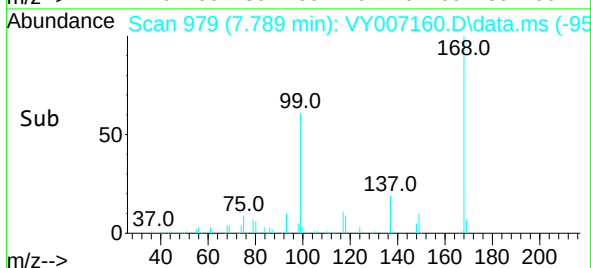
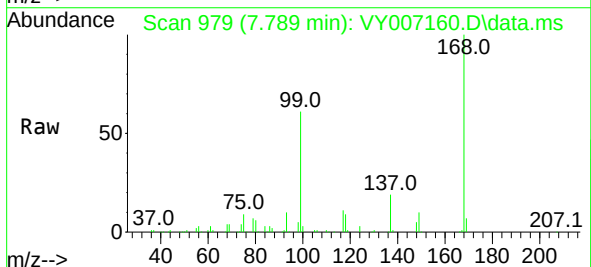


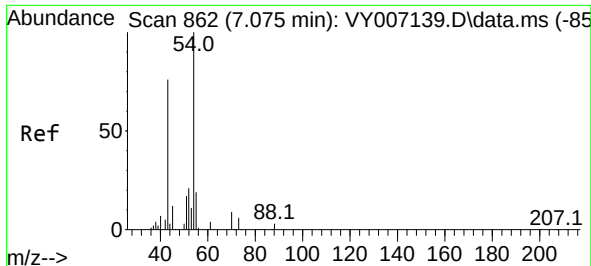
Tgt Ion:113 Resp: 35181
Ion Ratio Lower Upper
113 100
111 104.5 82.2 123.4
192 17.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.127 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Tgt Ion: 75 Resp: 6149
Ion Ratio Lower Upper
75 100
110 8.6 17.3 51.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 2.188 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.097 min

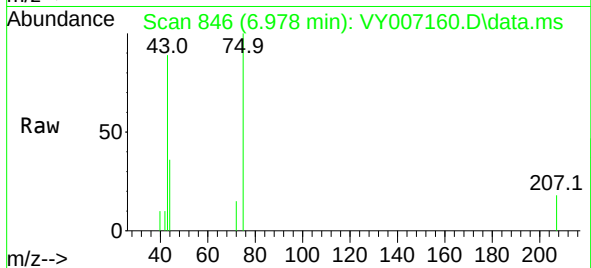
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Acq: 14 Jan 2022 11:50

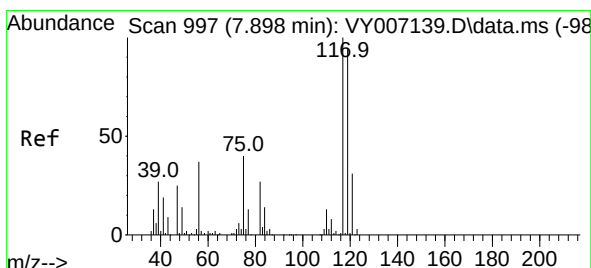
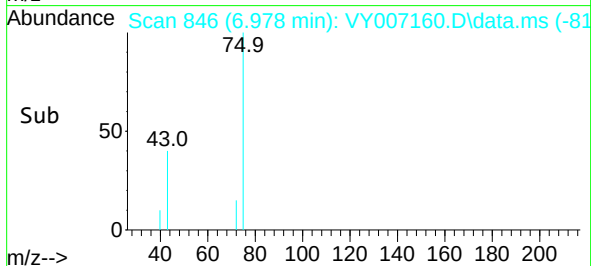
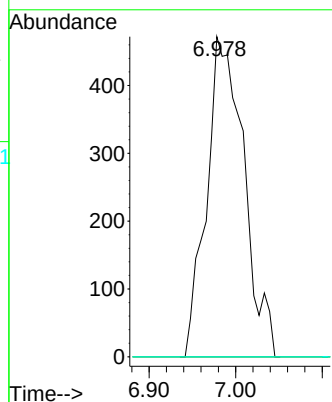
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1409
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.8	17.8#
70	0.0	9.0	13.4#



#38

Carbon Tetrachloride

Concen: 5.585 ug/l

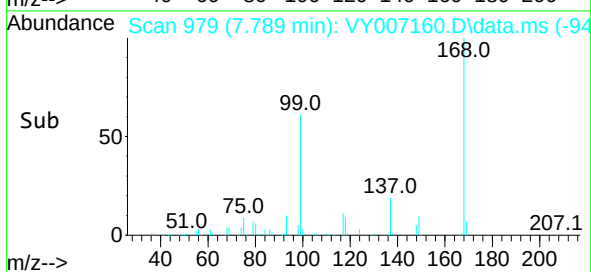
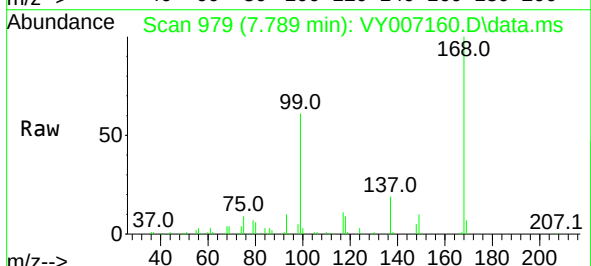
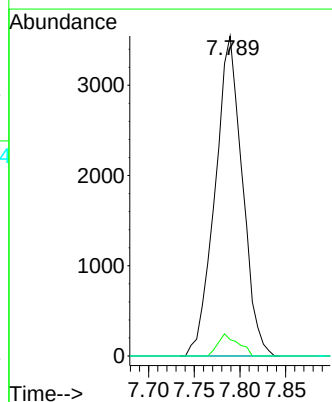
RT: 7.789 min Scan# 979

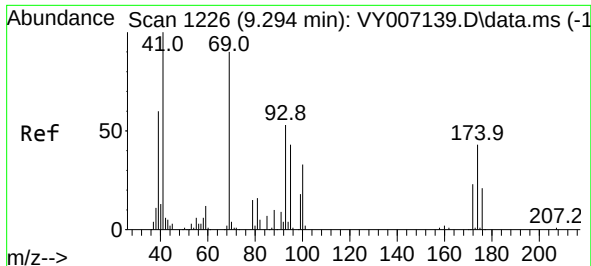
Delta R.T. -0.109 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Tgt Ion:	117	Resp:	7371
Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.2	115.8#
121	0.0	24.2	36.2#





#48

Methyl methacrylate

Concen: 2.323 ug/l

RT: 9.246 min Scan# 1

Delta R.T. -0.048 min

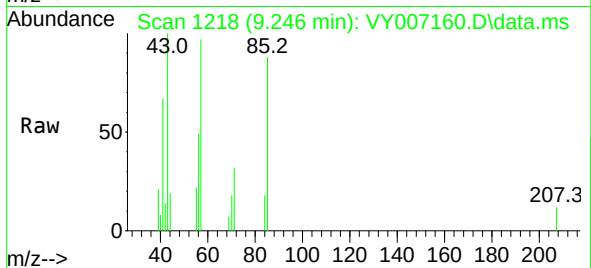
Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Instrument :

MSVOA_Y

ClientSampleId :



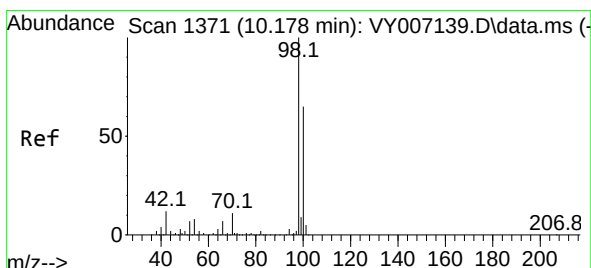
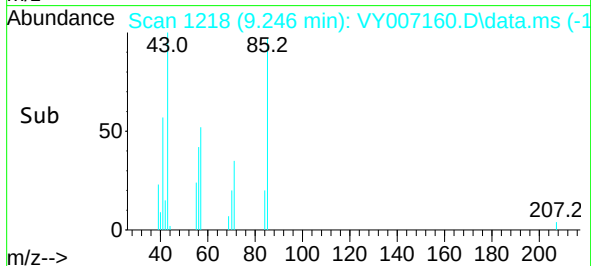
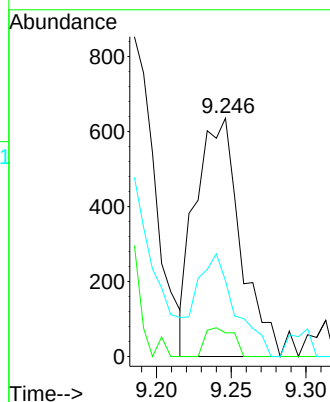
Tgt Ion: 41 Resp: 1324

Ion Ratio Lower Upper

41 100

69 7.6 70.5 105.7#

39 37.7 43.8 65.8#



#50

Toluene-d8

Concen: 49.023 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.001 min

Lab File: VY007160.D

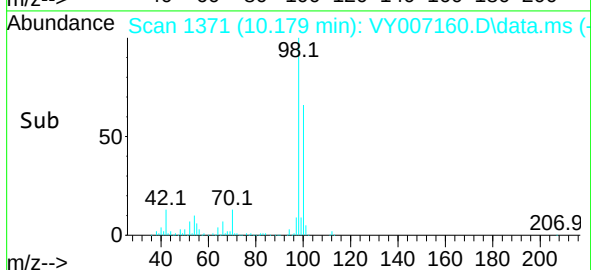
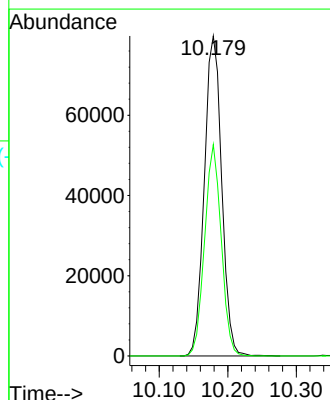
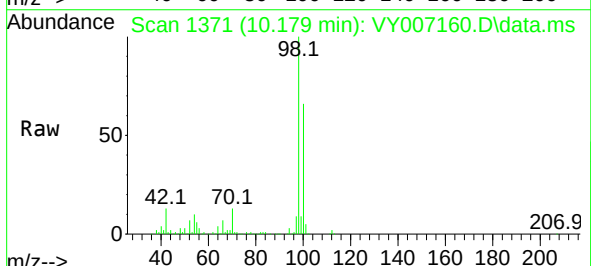
Acq: 14 Jan 2022 11:50

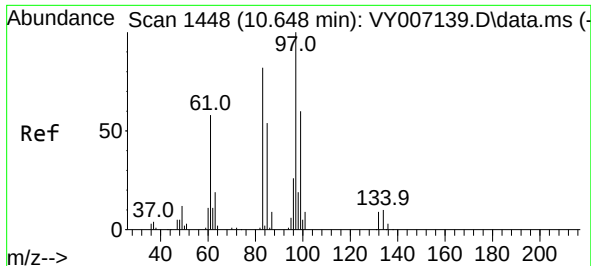
Tgt Ion: 98 Resp: 140726

Ion Ratio Lower Upper

98 100

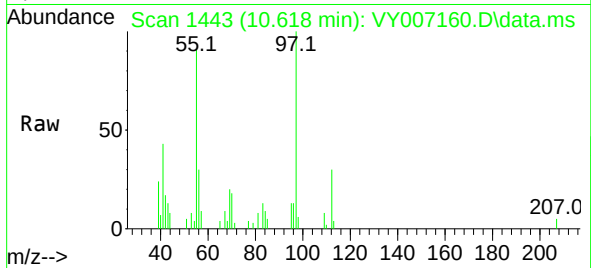
100 63.2 52.2 78.2



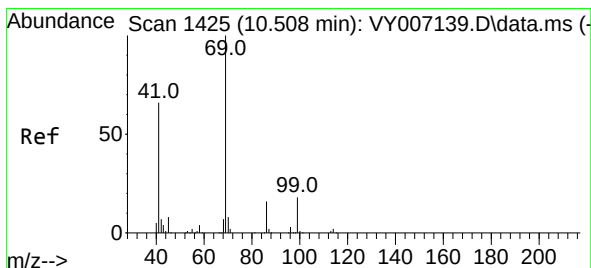
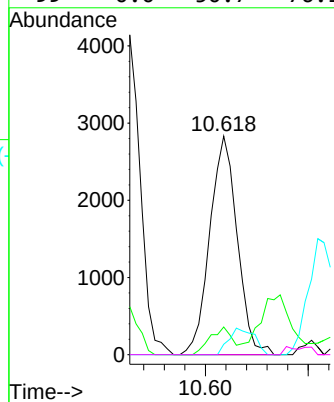
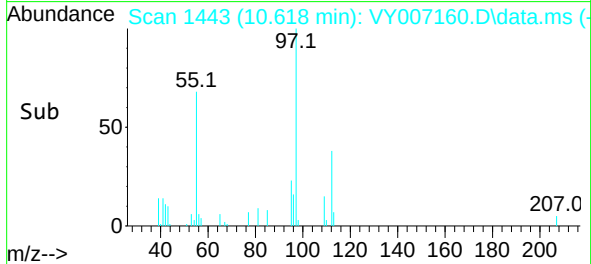


#55
1,1,2-Trichloroethane
Concen: 7.681 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.030 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Instrument :
MSVOA_Y
ClientSampleId :

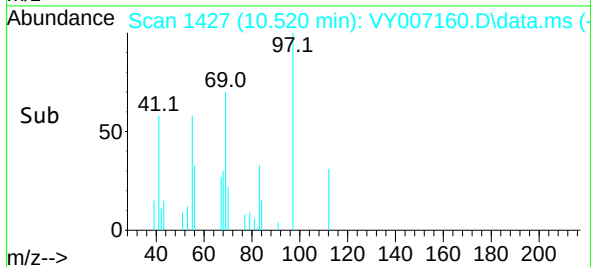
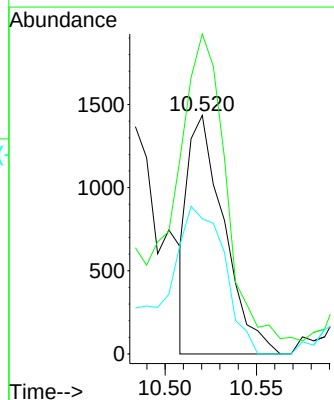
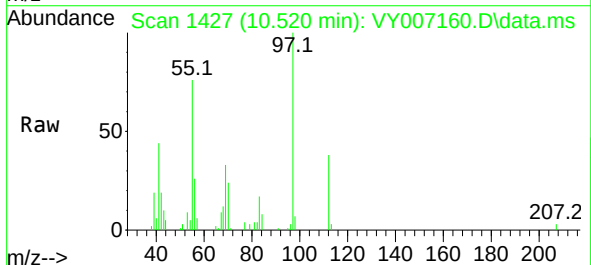


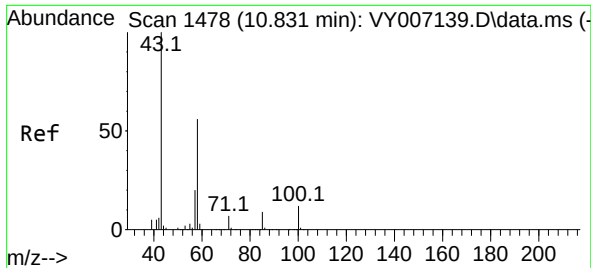
Tgt Ion:	97	Resp:	5244
Ion	Ratio	Lower	Upper
97	100		
83	12.7	67.0	100.4#
85	4.8	41.2	61.8#
99	0.0	50.7	76.1#



#56
Ethyl methacrylate
Concen: 2.035 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.013 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Tgt Ion:	69	Resp:	1957
Ion	Ratio	Lower	Upper
69	100		
41	174.1	49.4	74.0#
39	83.1	27.7	41.5#

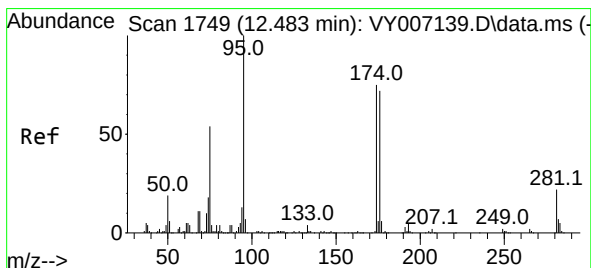
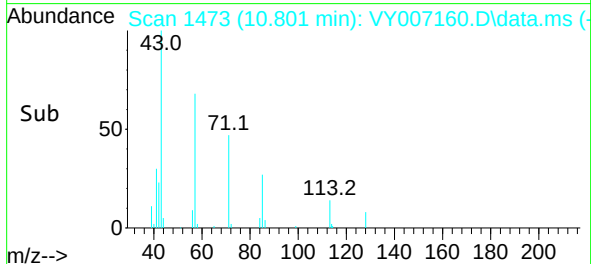
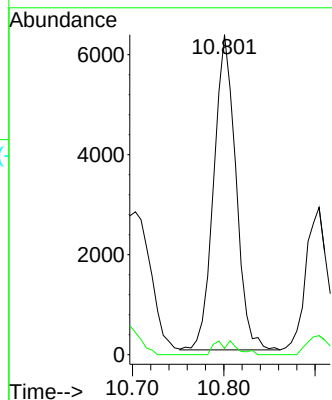
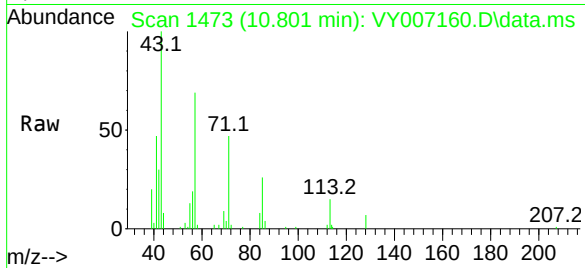




#59
2-Hexanone
Concen: 24.604 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.030 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

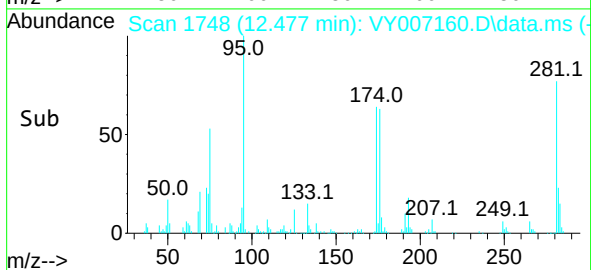
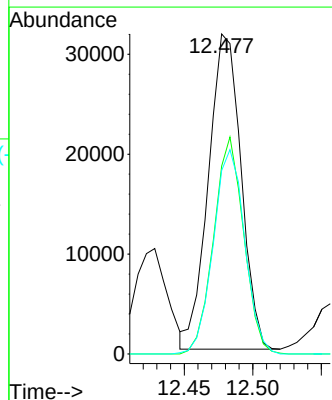
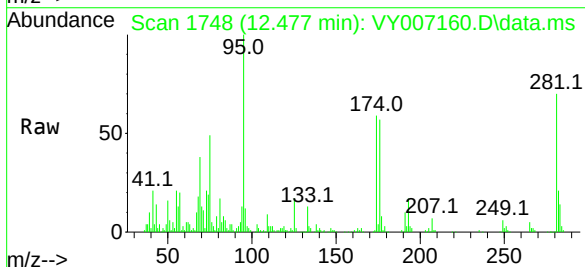
Instrument :
MSVOA_Y
ClientSampleId :

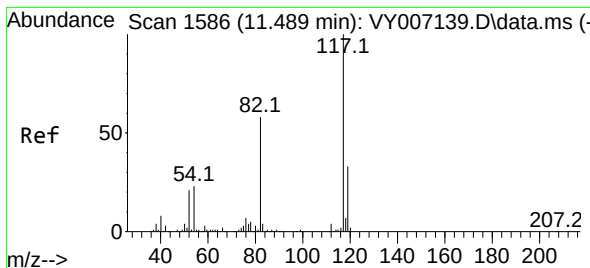
Tgt Ion: 43 Resp: 10608
Ion Ratio Lower Upper
43 100
58 4.3 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 51.146 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Tgt Ion: 95 Resp: 52226
Ion Ratio Lower Upper
95 100
174 63.2 0.0 148.4
176 62.5 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

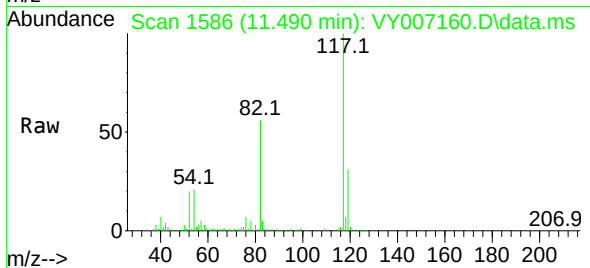
Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Instrument :

MSVOA_Y

ClientSampleId :



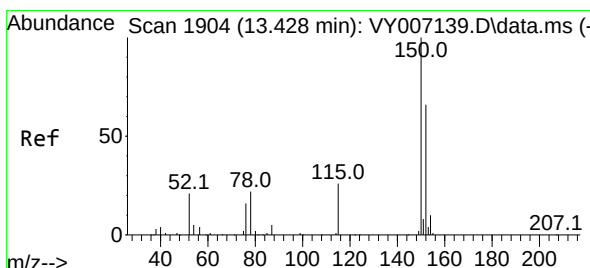
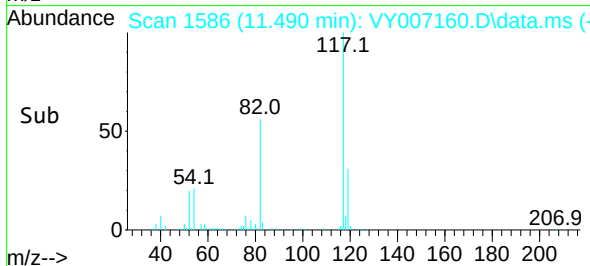
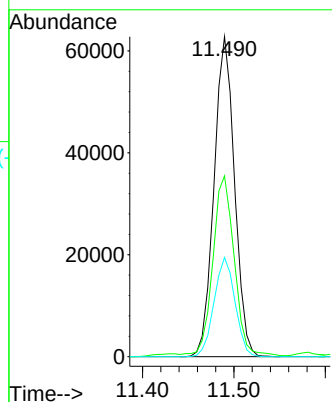
Tgt Ion:117 Resp: 97782

Ion Ratio Lower Upper

117 100

82 56.1 45.4 68.0

119 31.0 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

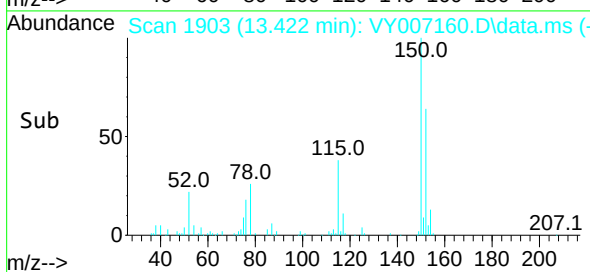
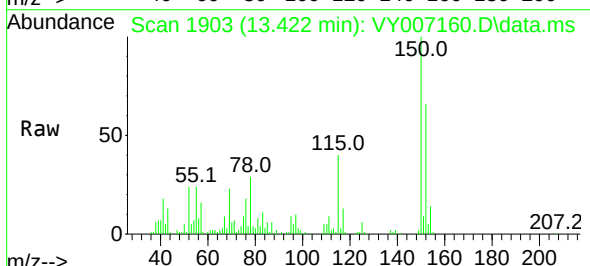
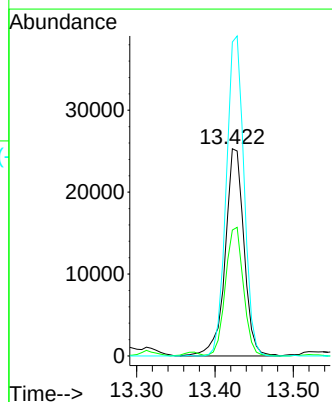
Tgt Ion:152 Resp: 42254

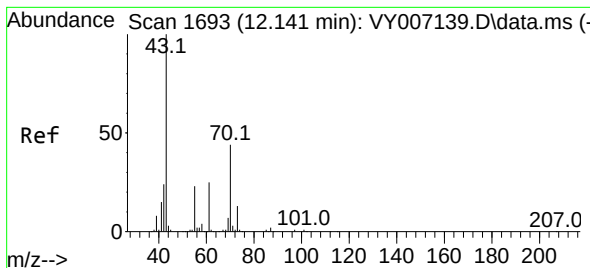
Ion Ratio Lower Upper

152 100

115 59.5 31.4 94.0

150 145.1 0.0 348.4





#74

N-amy1 acetate

Concen: 69.765 ug/l

RT: 12.124 min Scan# 1

Delta R.T. -0.018 min

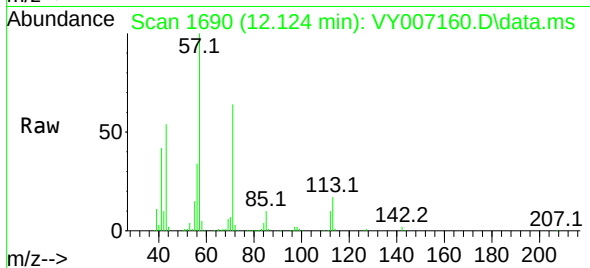
Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 68085

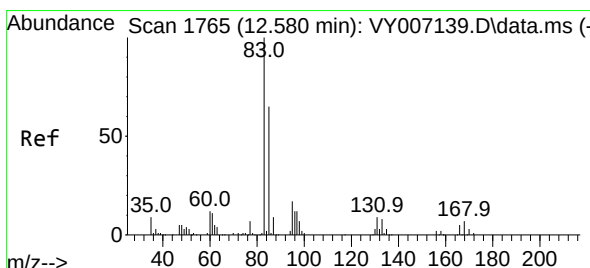
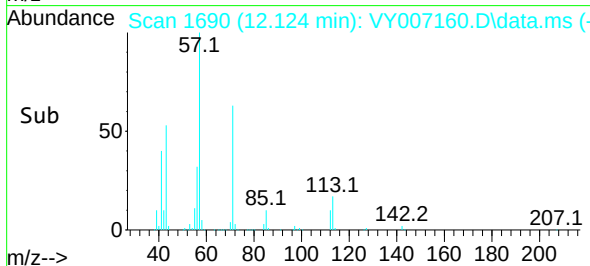
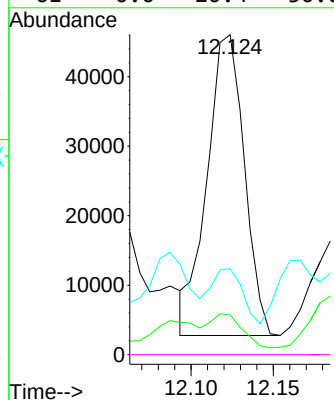
Ion Ratio Lower Upper

43 100

70 9.7 36.2 54.4#

55 15.1 19.0 28.4#

61 0.0 20.4 30.6#



#75

1,1,2,2-Tetrachloroethane

Concen: 8.563 ug/l

RT: 12.563 min Scan# 1762

Delta R.T. -0.018 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

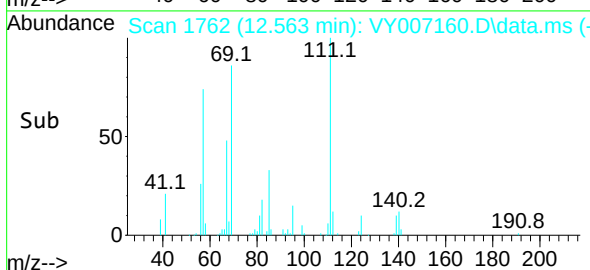
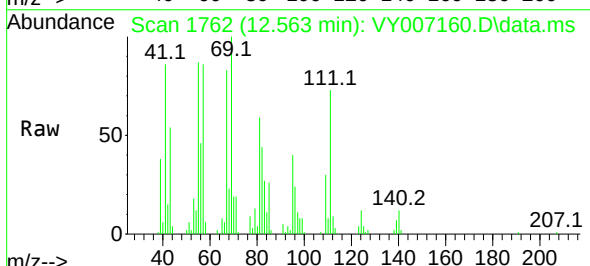
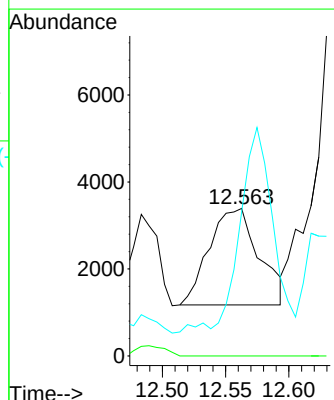
Tgt Ion: 83 Resp: 6077

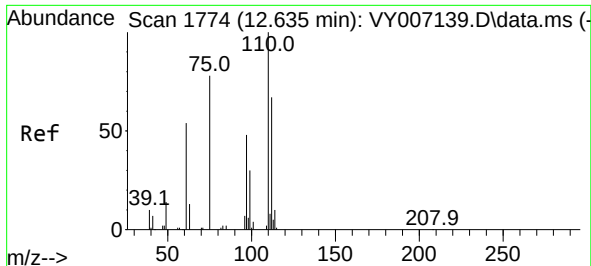
Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 154.0 32.4 97.2#

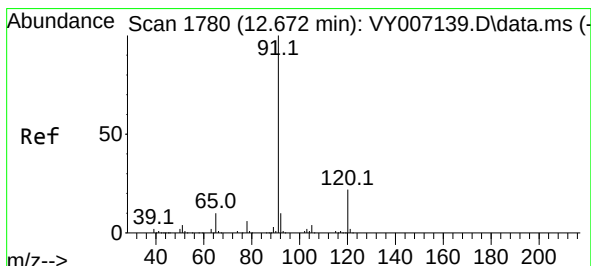
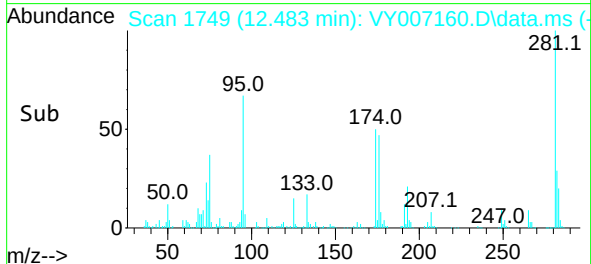
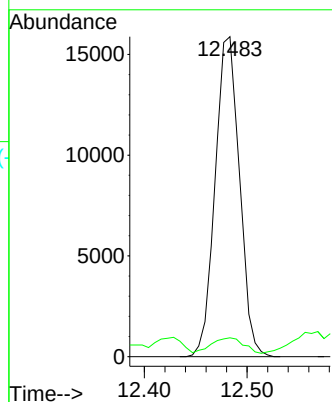
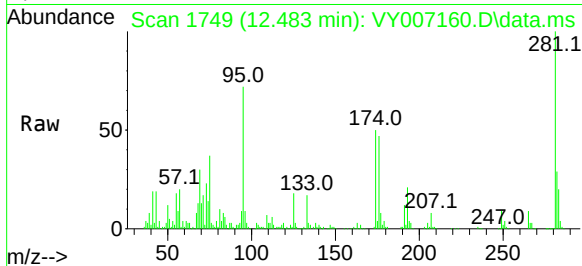




#76
1,2,3-Trichloropropane
Concen: 54.267 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

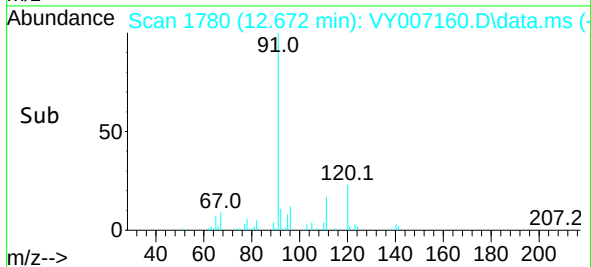
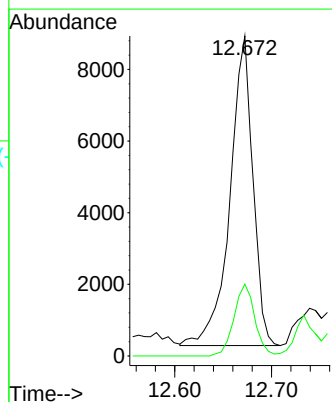
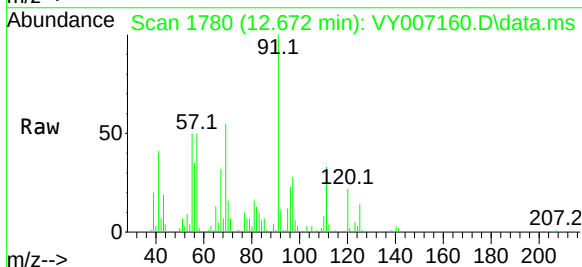
Instrument :
MSVOA_Y
ClientSampleId :

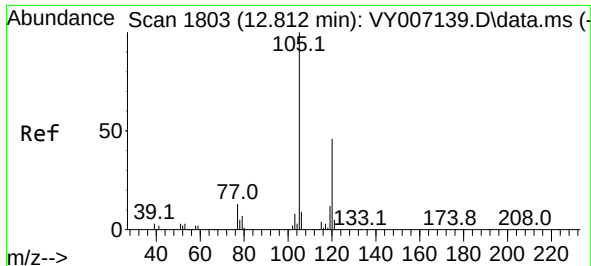
Tgt Ion: 75 Resp: 26146
Ion Ratio Lower Upper
75 100
77 6.3 0.0 0.0#



#78
n-propylbenzene
Concen: 3.159 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.001 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Tgt Ion: 91 Resp: 14292
Ion Ratio Lower Upper
91 100
120 21.0 11.2 33.5

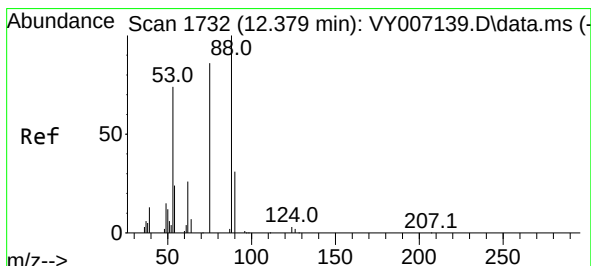
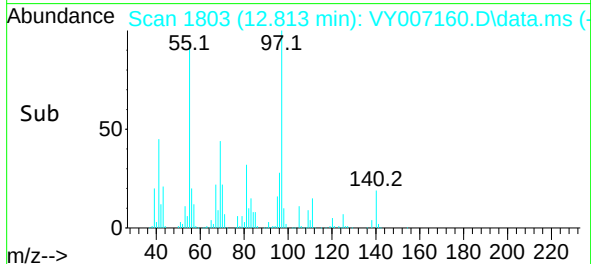
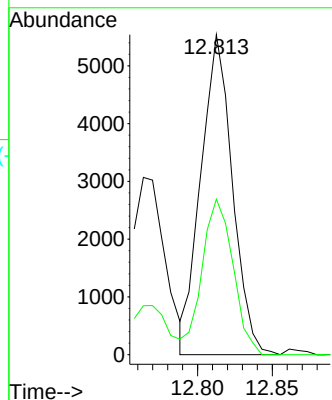
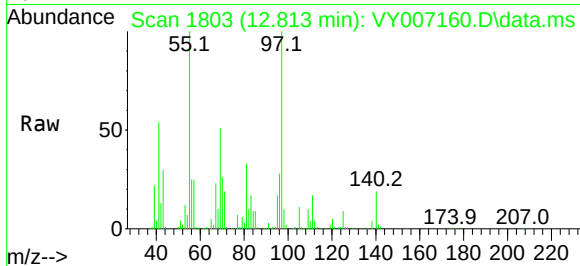




#80
 1,3,5-Trimethylbenzene
 Concen: 2.708 ug/l
 RT: 12.813 min Scan# 1749
 Delta R.T. 0.001 min
 Lab File: VY007160.D
 Acq: 14 Jan 2022 11:50

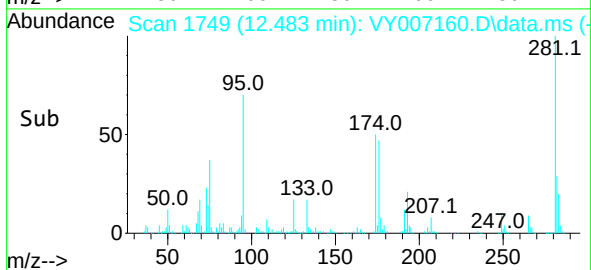
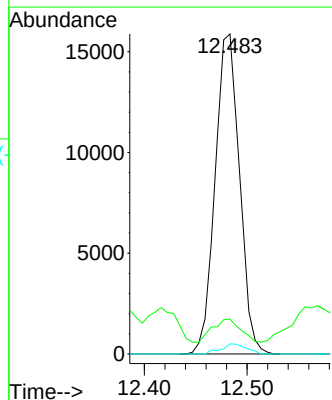
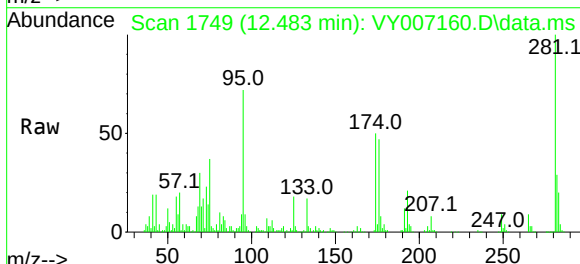
Instrument :
 MSVOA_Y
 ClientSampleId :

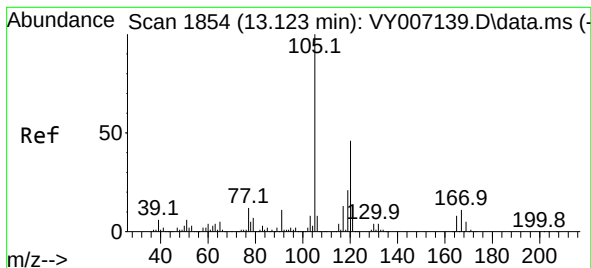
Tgt Ion:105 Resp: 8114
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.347 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY007160.D
 Acq: 14 Jan 2022 11:50

Tgt Ion: 75 Resp: 26146
 Ion Ratio Lower Upper
 75 100
 53 8.4 73.9 110.9#
 89 3.3 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 11.491 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.001 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Instrument :

MSVOA_Y

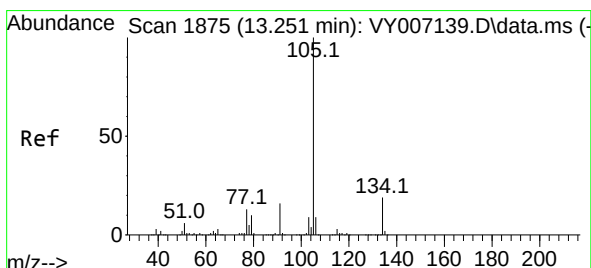
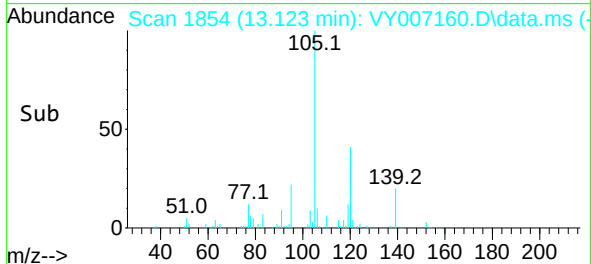
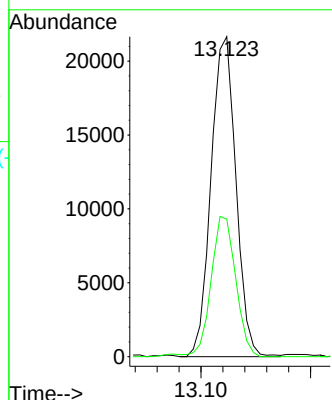
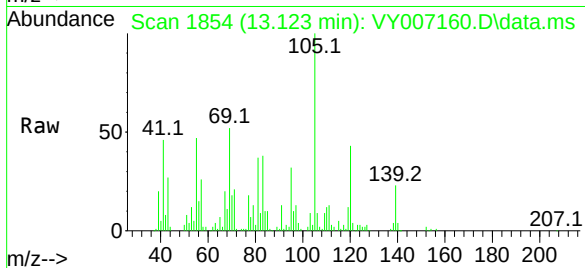
ClientSampleId :

Tgt Ion:105 Resp: 34131

Ion Ratio Lower Upper

105 100

120 43.8 21.6 64.6



#85

sec-Butylbenzene

Concen: 2.214 ug/l

RT: 13.252 min Scan# 1875

Delta R.T. 0.001 min

Lab File: VY007160.D

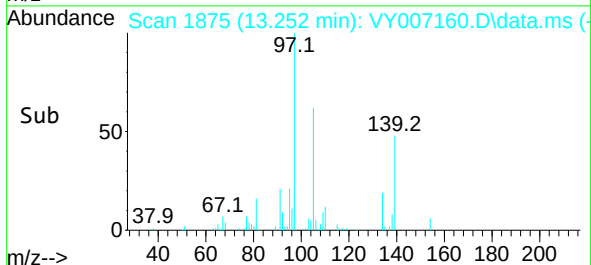
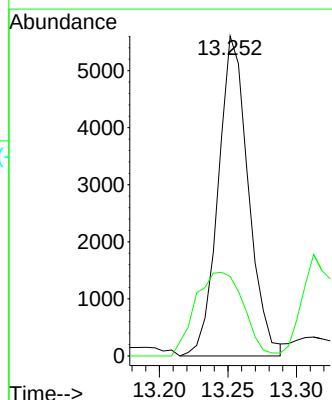
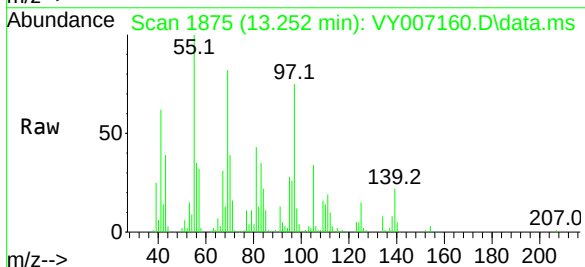
Acq: 14 Jan 2022 11:50

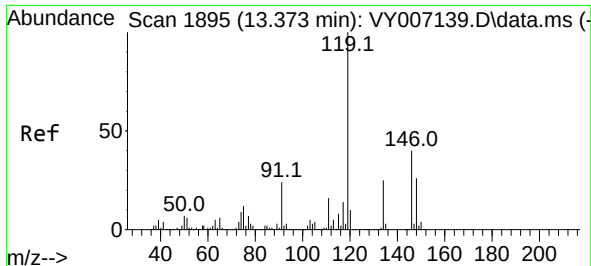
Tgt Ion:105 Resp: 8578

Ion Ratio Lower Upper

105 100

134 41.8 9.9 29.7#

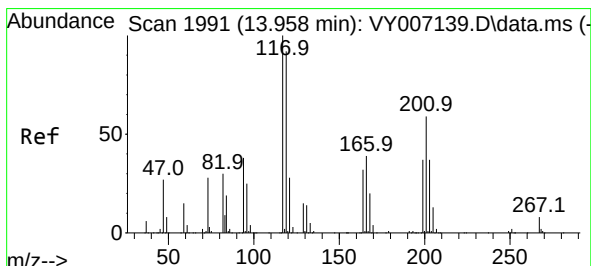
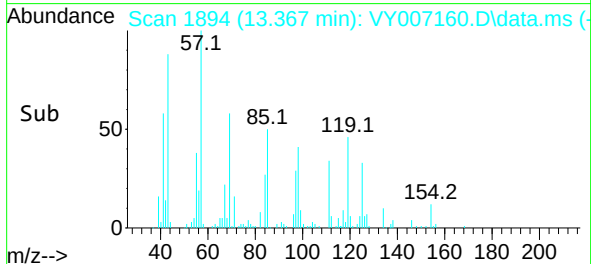
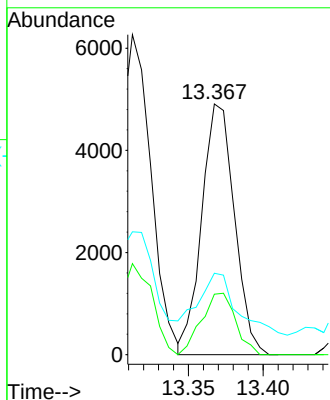
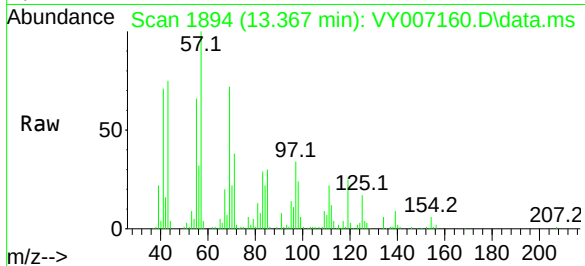




#86
p-Isopropyltoluene
Concen: 2.347 ug/l
RT: 13.367 min Scan# 119
Delta R.T. -0.006 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

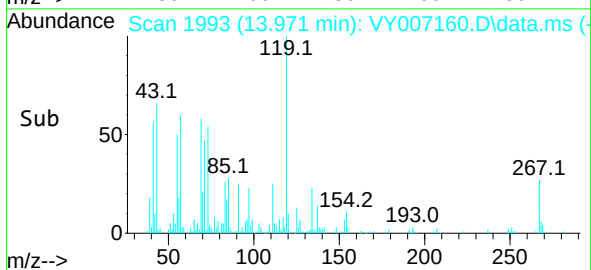
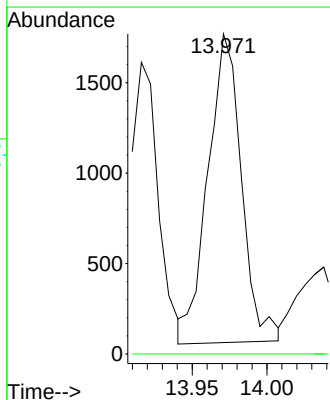
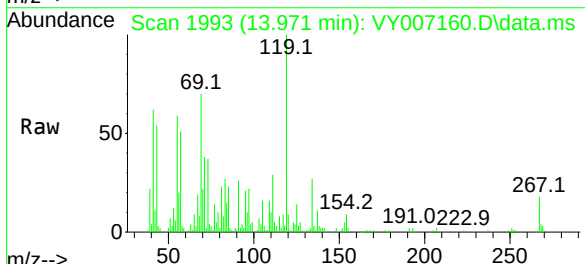
Instrument :
MSVOA_Y
ClientSampleId :

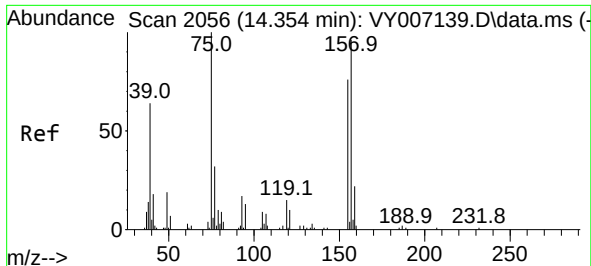
Tgt Ion:119 Resp: 7471
Ion Ratio Lower Upper
119 100
134 25.5 12.9 38.7
91 29.1 12.4 37.2



#90
Hexachloroethane
Concen: 4.265 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.013 min
Lab File: VY007160.D
Acq: 14 Jan 2022 11:50

Tgt Ion:117 Resp: 2654
Ion Ratio Lower Upper
117 100
201 0.0 33.6 100.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.741 ug/l

RT: 14.337 min Scan# 2056

Delta R.T. -0.018 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

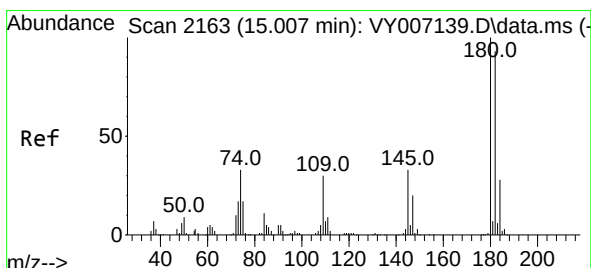
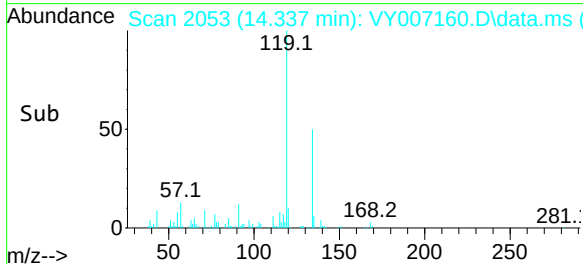
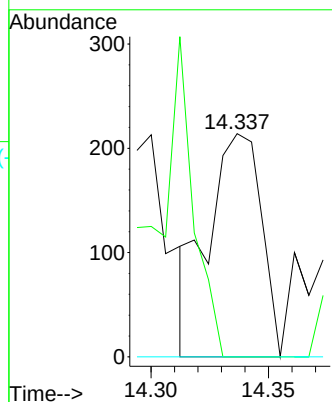
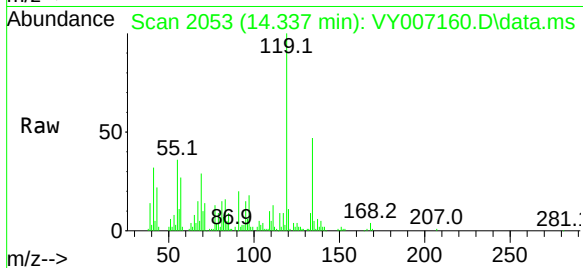
Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75 Resp: 336

Ion	Ratio	Lower	Upper
75	100		
155	0.0	40.1	120.2#
157	0.0	51.7	155.2#



#93

1,2,4-Trichlorobenzene

Concen: 1.185 ug/l

RT: 15.007 min Scan# 2163

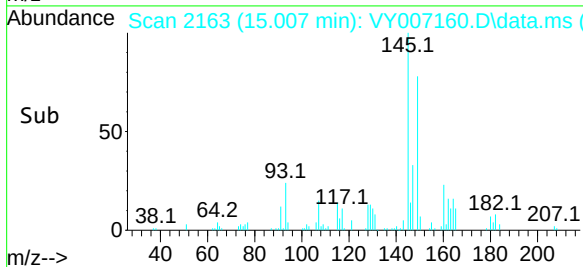
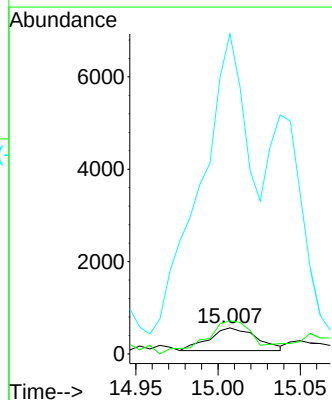
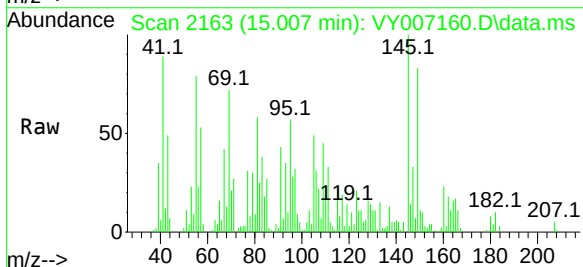
Delta R.T. 0.001 min

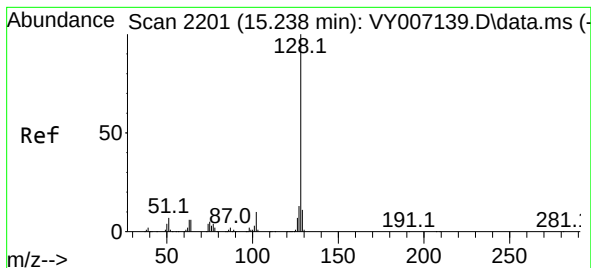
Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Tgt Ion: 180 Resp: 997

Ion	Ratio	Lower	Upper
180	100		
182	145.6	47.6	142.8#
145	1519.5	16.4	49.1#





#95

Naphthalene

Concen: 2.137 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Instrument :

MSVOA_Y

ClientSampleId :

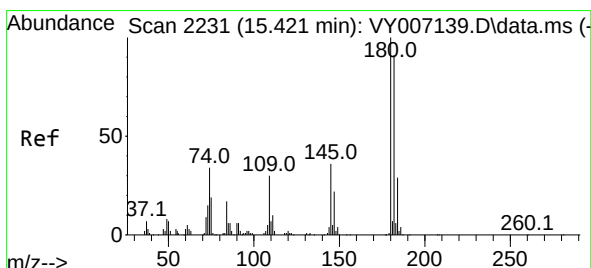
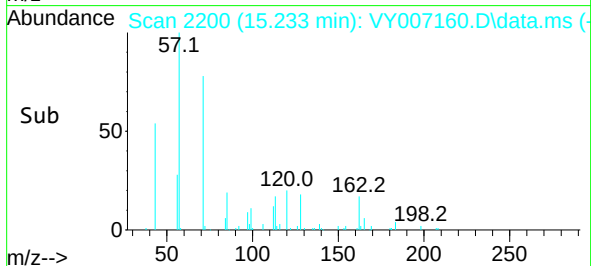
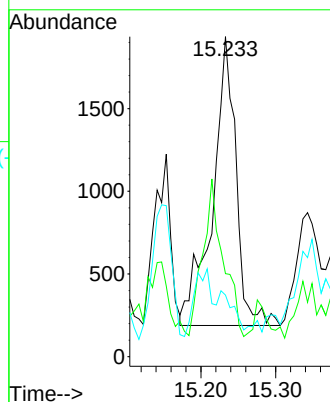
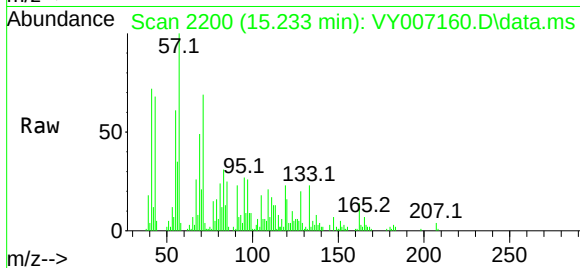
Tgt Ion:128 Resp: 3818

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 1.051 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. 0.007 min

Lab File: VY007160.D

Acq: 14 Jan 2022 11:50

Tgt Ion:180 Resp: 754

Ion Ratio Lower Upper

180 100

182 106.0 47.3 141.8

145 0.0 17.2 51.5#

