

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011822\
 Data File : VY007212.D
 Acq On : 18 Jan 2022 17:01
 Operator : SY/MD
 Sample : N1172-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 19 00:32:39 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)

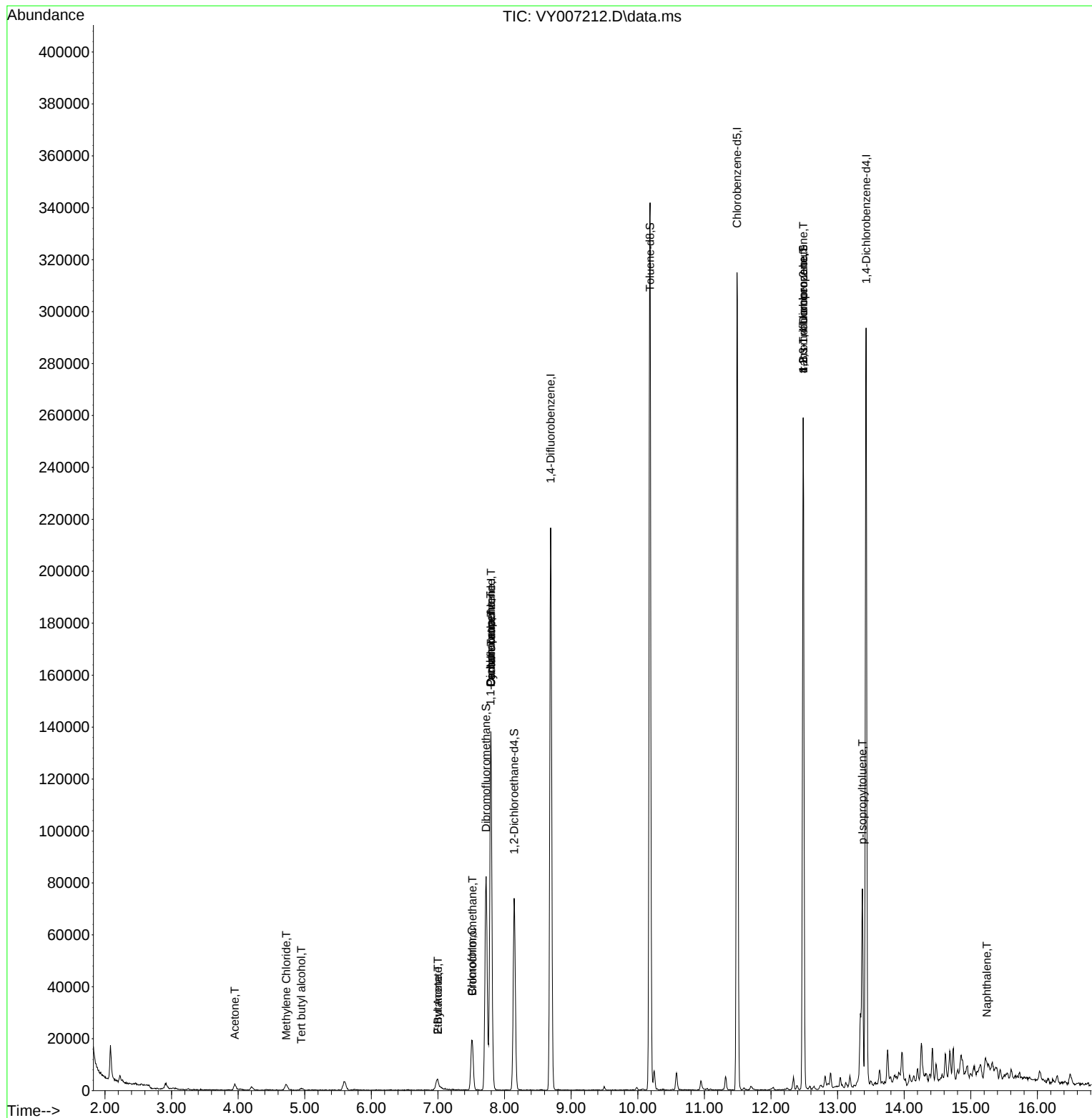
Internal Standards						
1) Pentafluorobenzene	7.795	168	101693	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	184822	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	166649	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	67752	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	59304	47.527	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.060%		
35) Dibromofluoromethane	7.722	113	59812	47.860	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.720%		
50) Toluene-d8	10.185	98	225948	49.480	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.960%		
62) 4-Bromofluorobenzene	12.483	95	76006	46.791	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.580%		
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	815	2.903	ug/l #	73
16) Acetone	3.948	43	4077	12.590	ug/l	99
20) Methylene Chloride	4.723	84	1707	1.275	ug/l #	90
25) 2-Butanone	6.997	43	1975	4.717	ug/l #	81
28) Bromochloromethane	7.515	49	1733	2.107	ug/l #	11
30) Chloroform	7.509	83	20408	8.638	ug/l	98
31) Cyclohexane	7.795	56	2523	1.196	ug/l #	17
36) 1,1-Dichloropropene	7.789	75	8938	4.478	ug/l #	51
37) Ethyl Acetate	6.997	43	1975	1.928	ug/l #	72
38) Carbon Tetrachloride	7.795	117	11073	5.274	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	42230	54.663	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	42230	100.073	ug/l #	3
86) p-Isopropyltoluene	13.373	119	38595	7.561	ug/l	95
95) Naphthalene	15.239	128	5138	1.794	ug/l	98

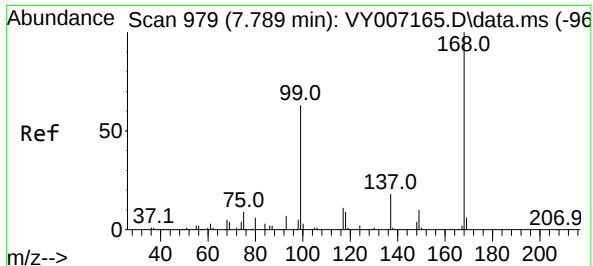
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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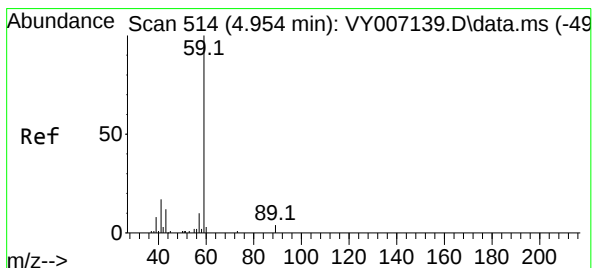
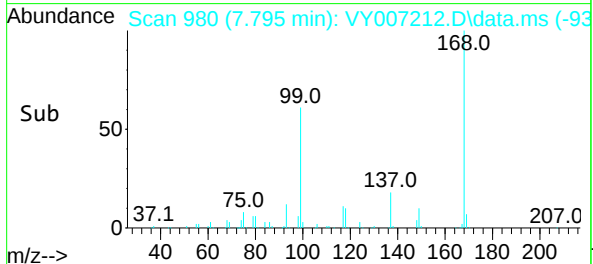
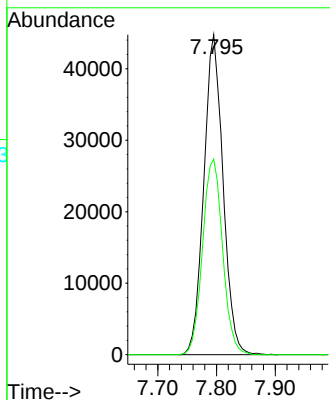
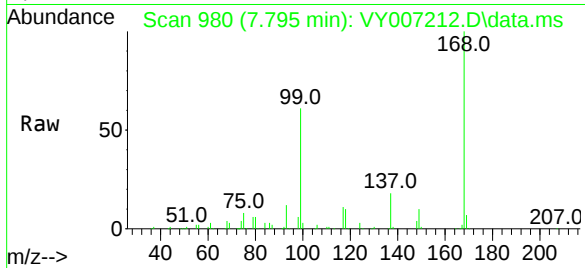




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

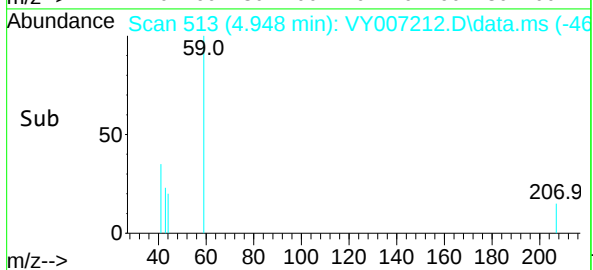
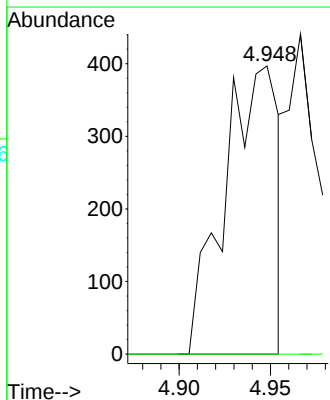
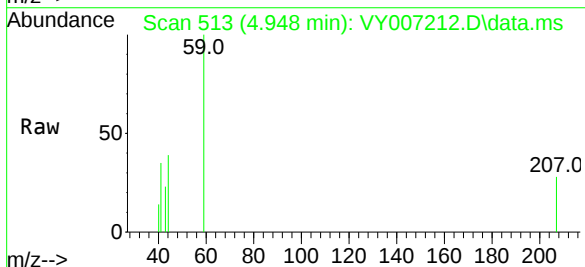
Instrument :
MSVOA_Y
ClientSampleId :

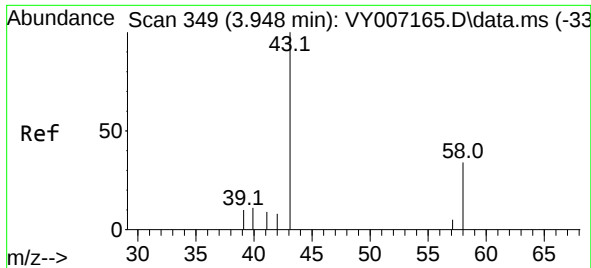
Tgt Ion:168 Resp: 101693
Ion Ratio Lower Upper
168 100
99 61.1 49.1 73.7



#11
Tert butyl alcohol
Concen: 2.903 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

Tgt Ion: 59 Resp: 815
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 12.590 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

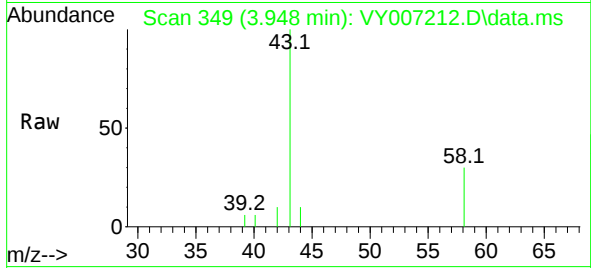
Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

Instrument :

MSVOA_Y

ClientSampleId :

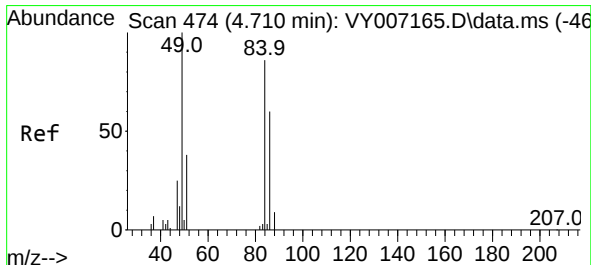
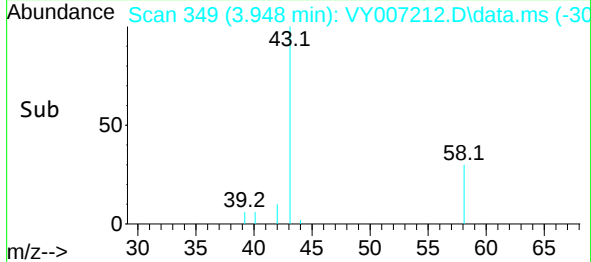
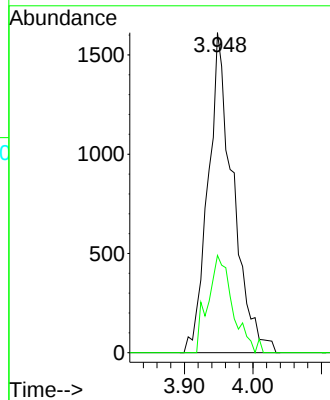


Tgt Ion: 43 Resp: 4077

Ion Ratio Lower Upper

43 100

58 30.4 23.8 35.6



#20

Methylene Chloride

Concen: 1.275 ug/l

RT: 4.723 min Scan# 476

Delta R.T. 0.013 min

Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

Tgt Ion: 84 Resp: 1707

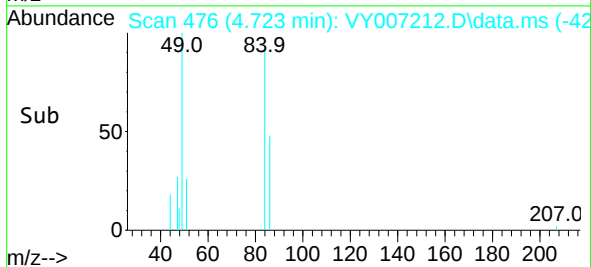
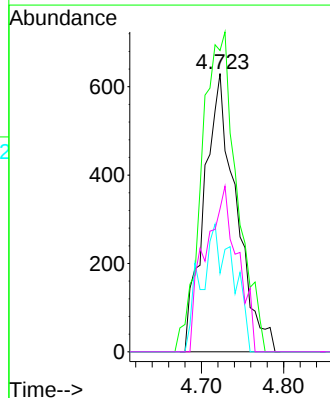
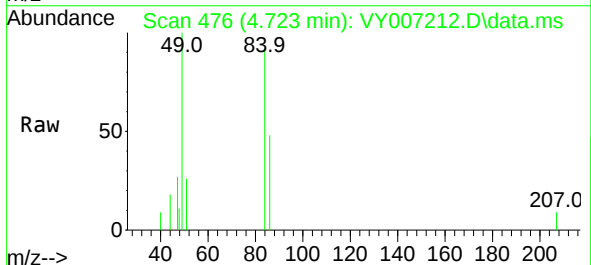
Ion Ratio Lower Upper

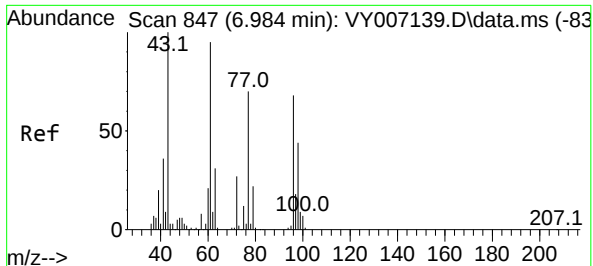
84 100

49 108.3 92.6 139.0

51 28.3 28.6 42.8#

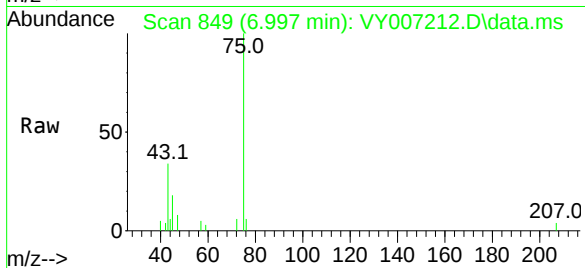
86 51.4 50.1 75.1



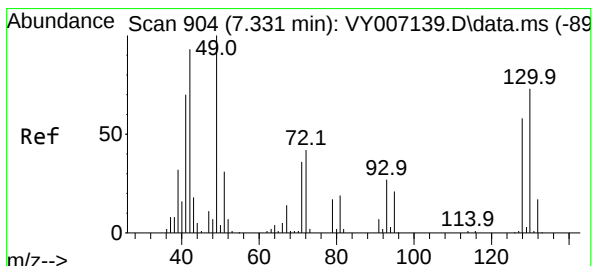
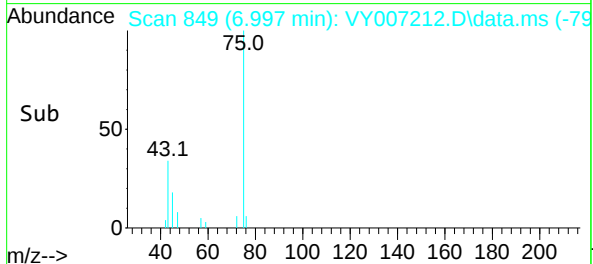
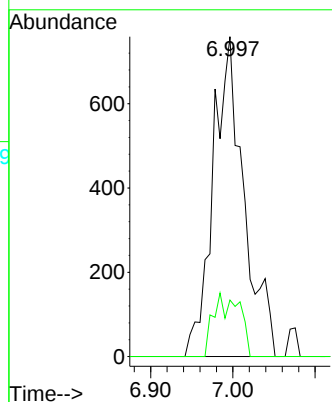


#25
2-Butanone
Concen: 4.717 ug/l
RT: 6.997 min Scan# 84
Delta R.T. 0.013 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

Instrument :
MSVOA_Y
ClientSampleId :

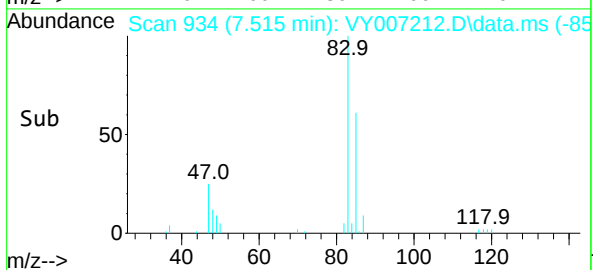
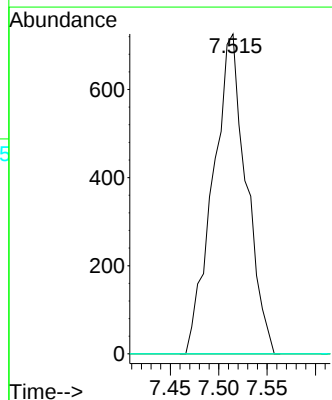
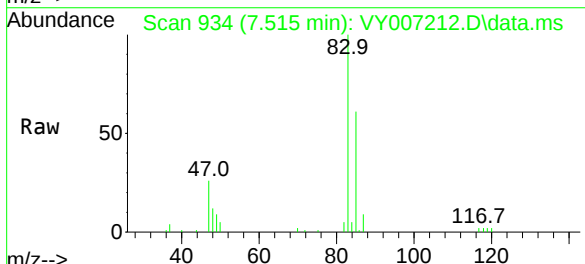


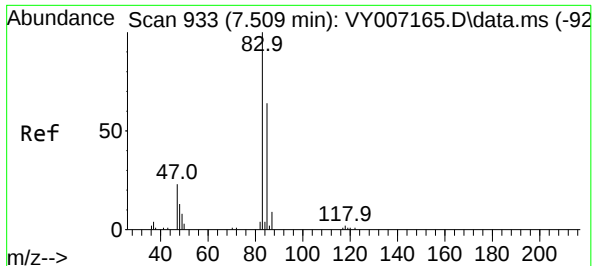
Tgt Ion: 43 Resp: 1975
Ion Ratio Lower Upper
43 100
72 17.7 21.9 32.9#



#28
Bromochloromethane
Concen: 2.107 ug/l
RT: 7.515 min Scan# 934
Delta R.T. 0.183 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

Tgt Ion: 49 Resp: 1733
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 65.0 97.4#

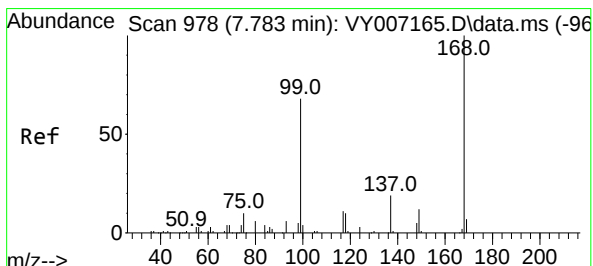
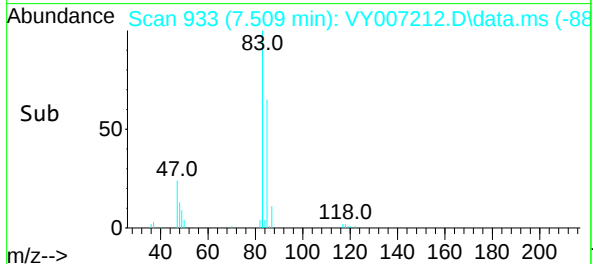
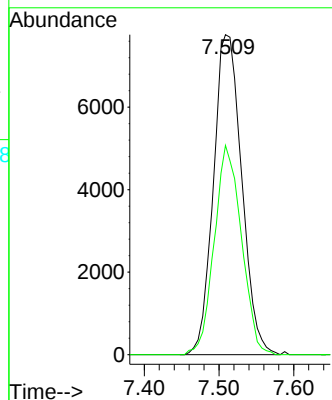
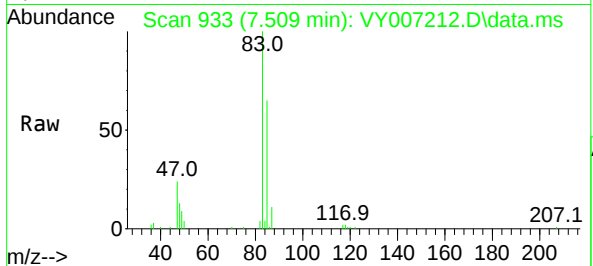




#30
Chloroform
Concen: 8.638 ug/l
RT: 7.509 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

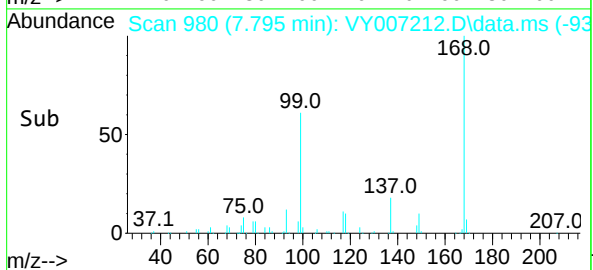
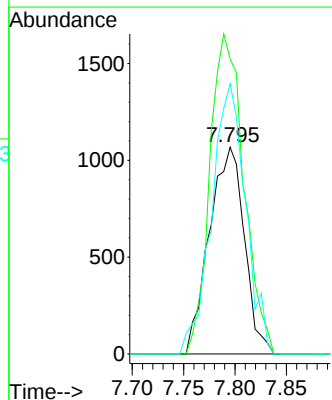
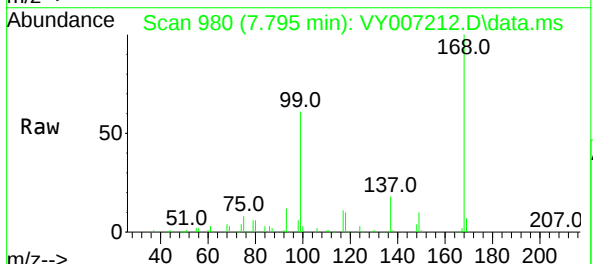
Instrument :
MSVOA_Y
ClientSampleId :

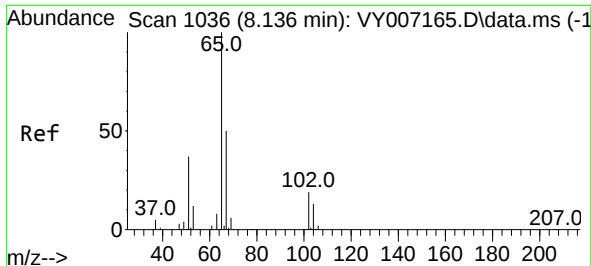
Tgt Ion: 83 Resp: 20408
Ion Ratio Lower Upper
83 100
85 65.4 50.9 76.3



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.007 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

Tgt Ion: 56 Resp: 2523
Ion Ratio Lower Upper
56 100
69 142.8 27.2 40.8#
84 130.7 72.1 108.1#

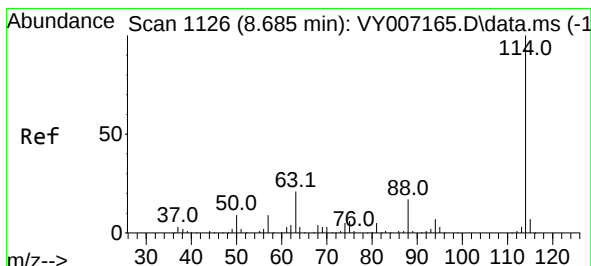
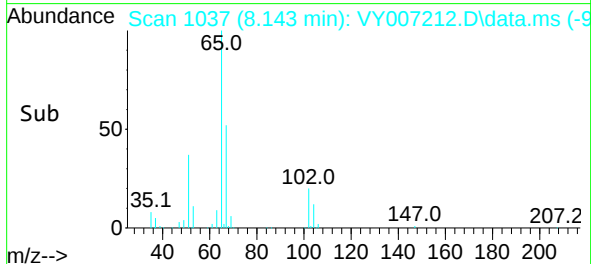
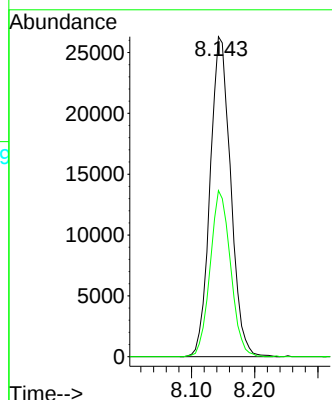
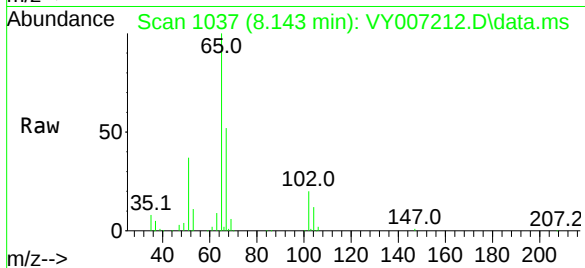




#33
 1,2-Dichloroethane-d4
 Concen: 47.527 ug/l
 RT: 8.143 min Scan# 1036
 Delta R.T. 0.001 min
 Lab File: VY007212.D
 Acq: 18 Jan 2022 17:01

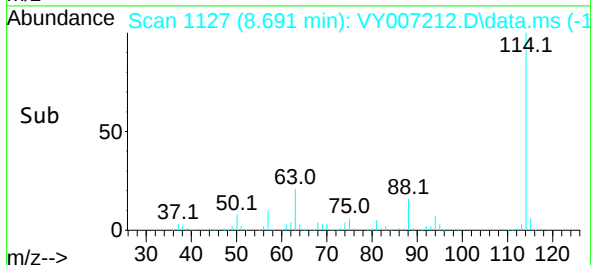
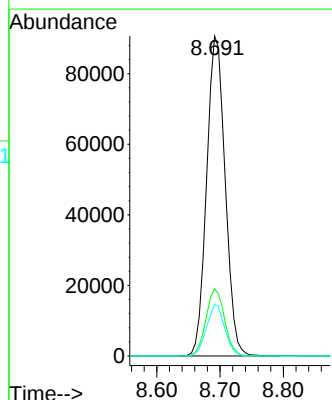
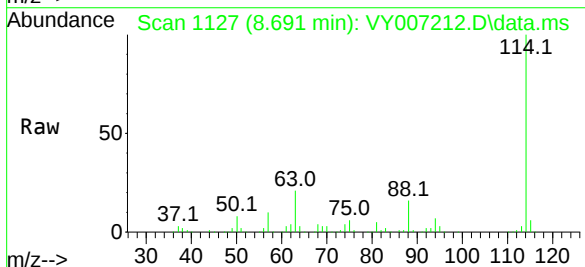
Instrument :
 MSVOA_Y
 ClientSampleId :

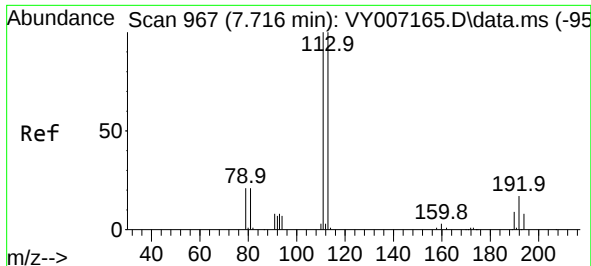
Tgt Ion: 65 Resp: 59304
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.001 min
 Lab File: VY007212.D
 Acq: 18 Jan 2022 17:01

Tgt Ion: 114 Resp: 184822
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.2
 88 16.2 0.0 31.0

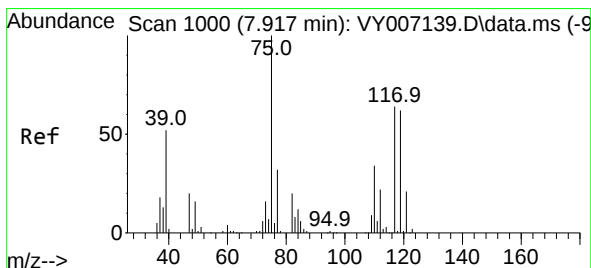
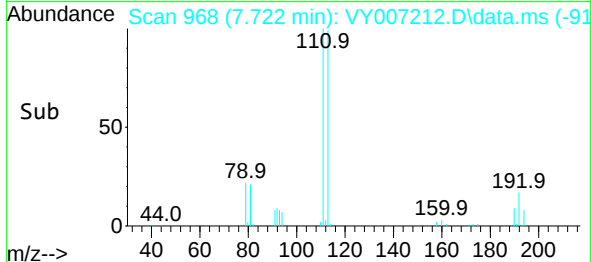
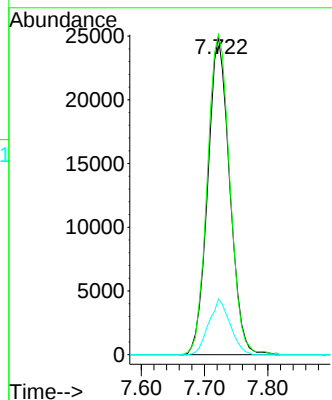
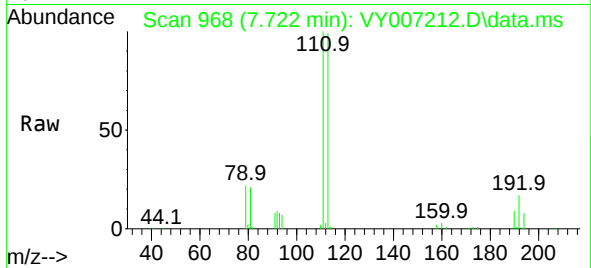




#35
Dibromofluoromethane
Concen: 47.860 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.007 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

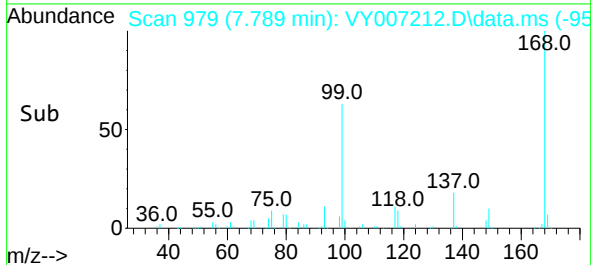
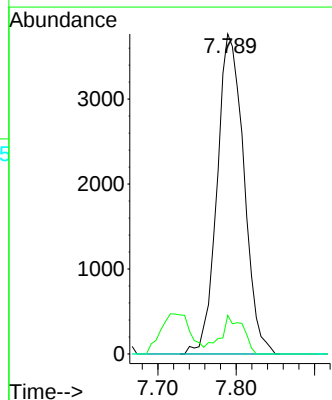
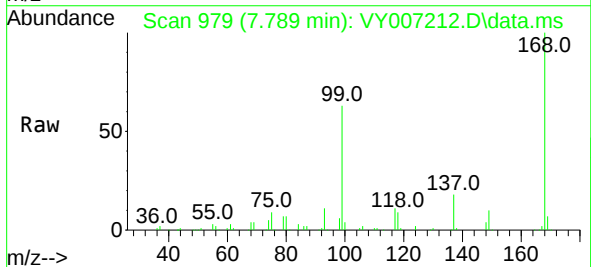
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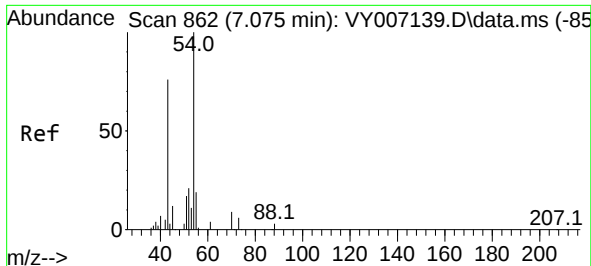
Tgt Ion:113 Resp: 59812
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 17.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.478 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

Tgt Ion: 75 Resp: 8938
Ion Ratio Lower Upper
75 100
110 10.1 17.3 51.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.928 ug/l

RT: 6.997 min Scan# 84

Delta R.T. -0.079 min

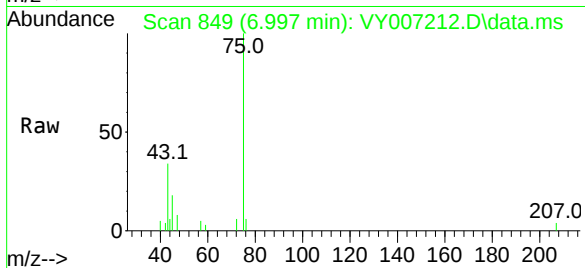
Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

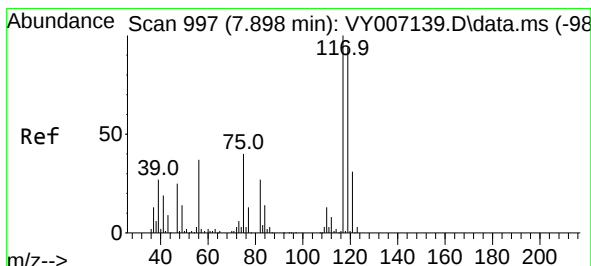
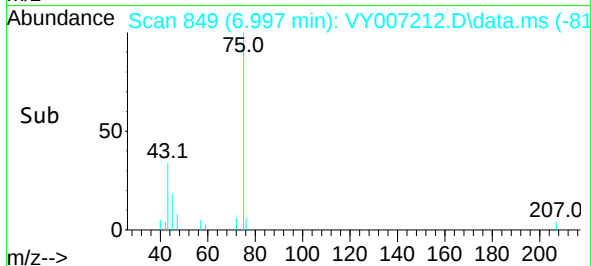
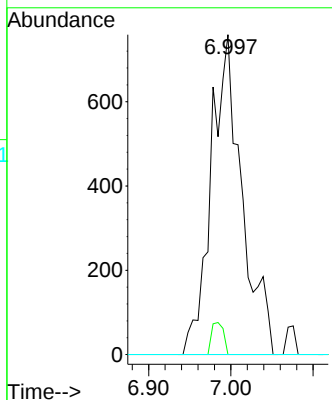
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	1975
Ion	Ratio	Lower	Upper
43	100		
61	3.9	11.8	17.8#
70	0.0	9.0	13.4#



#38

Carbon Tetrachloride

Concen: 5.274 ug/l

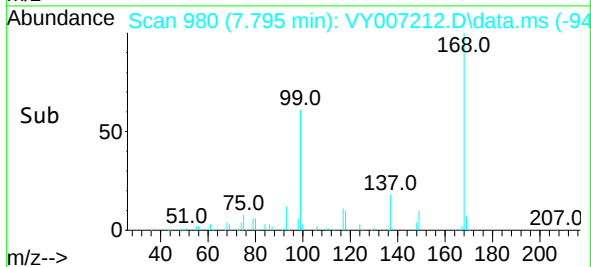
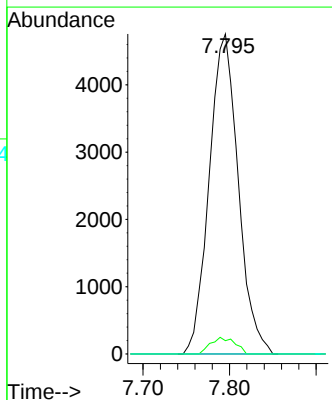
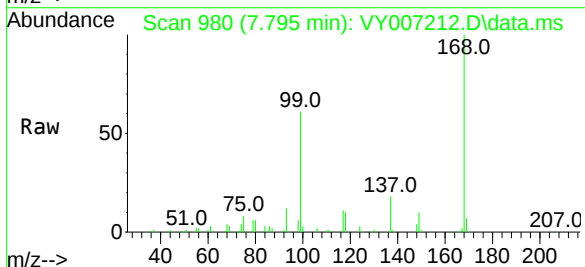
RT: 7.795 min Scan# 980

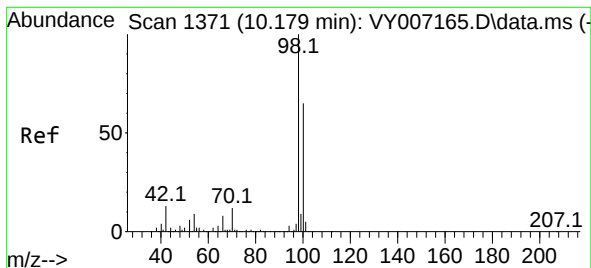
Delta R.T. -0.103 min

Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

Tgt Ion:	117	Resp:	11073
Ion	Ratio	Lower	Upper
117	100		
119	4.1	77.2	115.8#
121	0.0	24.2	36.2#

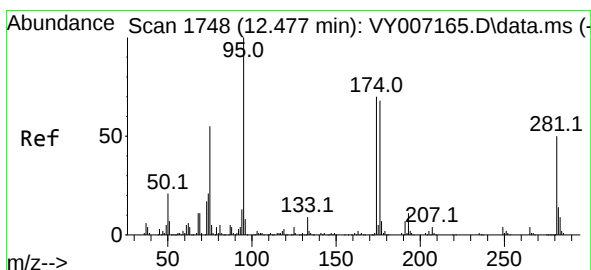
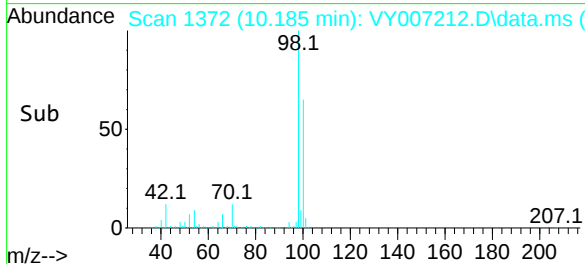
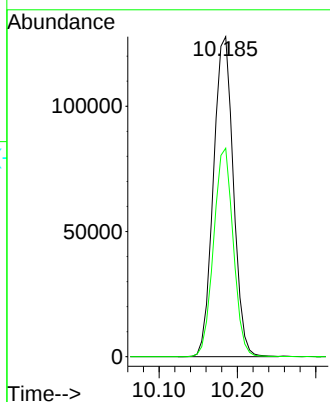
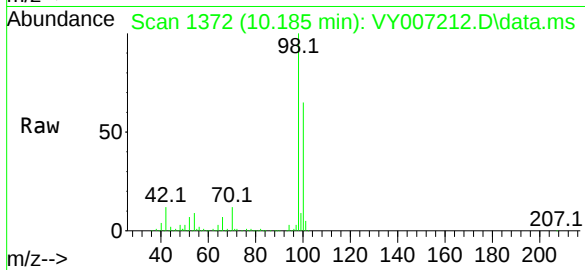




#50
Toluene-d8
Concen: 49.480 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

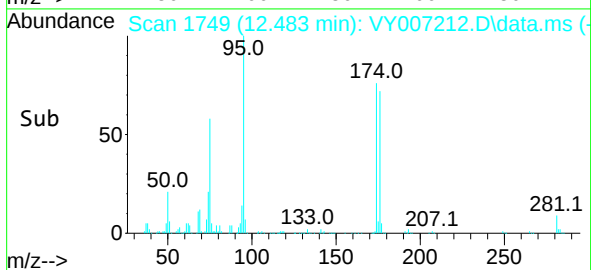
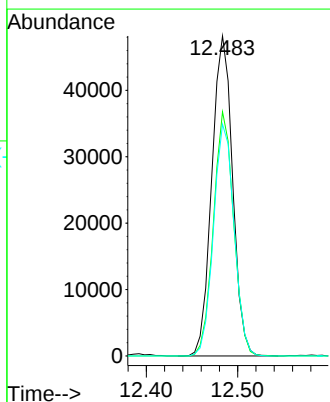
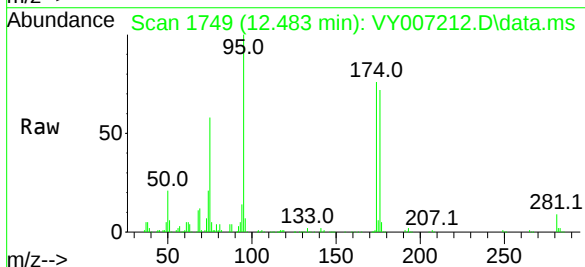
Instrument :
MSVOA_Y
ClientSampleId :

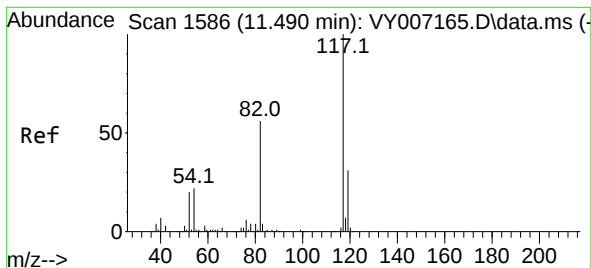
Tgt Ion: 98 Resp: 225948
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.791 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

Tgt Ion: 95 Resp: 76006
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.4
176 71.9 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

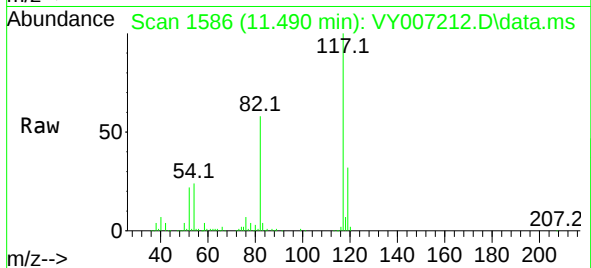
Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

Instrument :

MSVOA_Y

ClientSampleId :



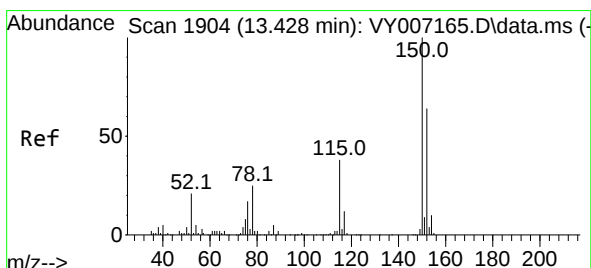
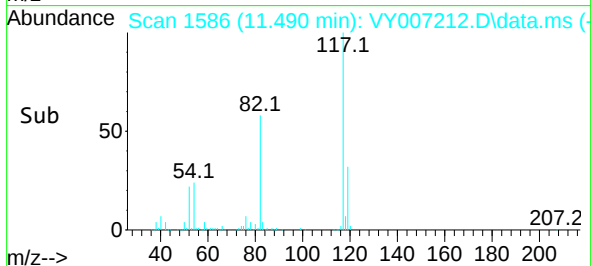
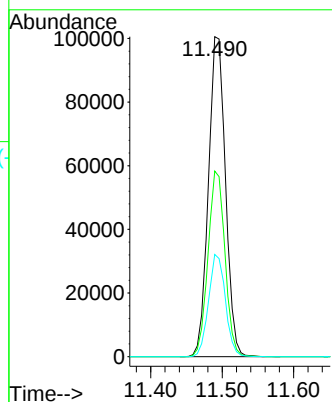
Tgt Ion:117 Resp: 166649

Ion Ratio Lower Upper

117 100

82 58.0 45.4 68.0

119 31.9 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.001 min

Lab File: VY007212.D

Acq: 18 Jan 2022 17:01

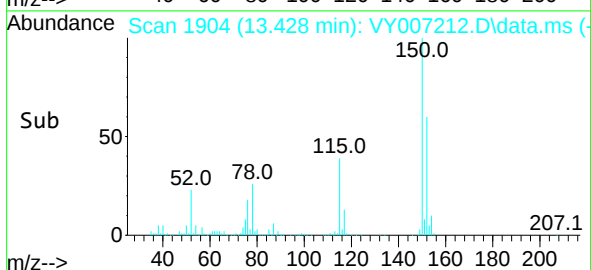
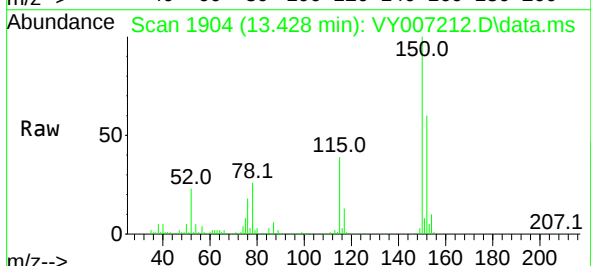
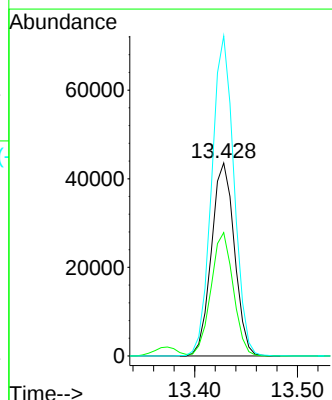
Tgt Ion:152 Resp: 67752

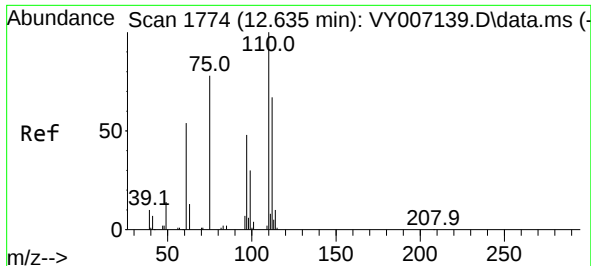
Ion Ratio Lower Upper

152 100

115 62.0 31.4 94.0

150 160.9 0.0 348.4

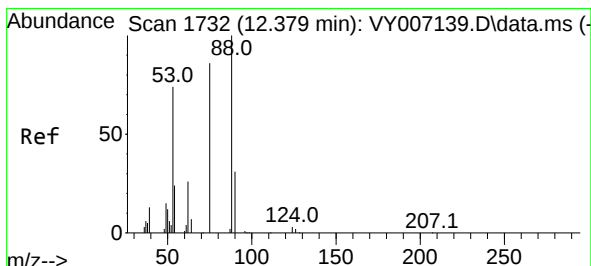
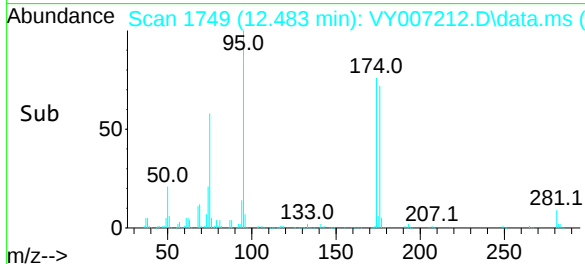
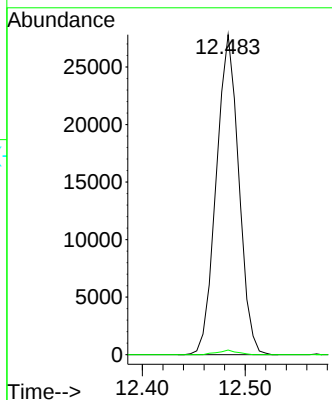
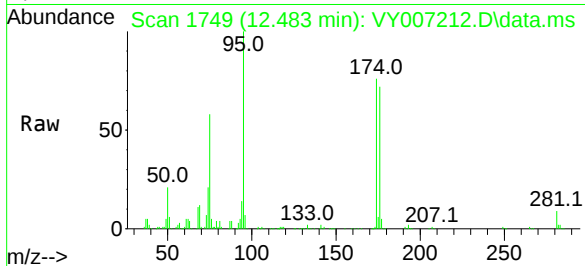




#76
1,2,3-Trichloropropane
Concen: 54.663 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

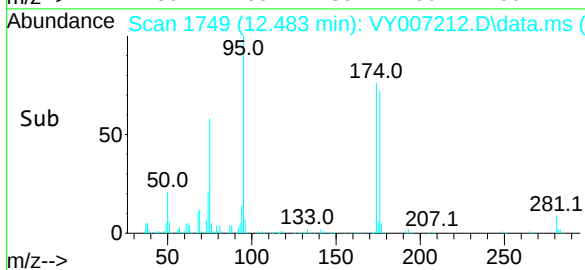
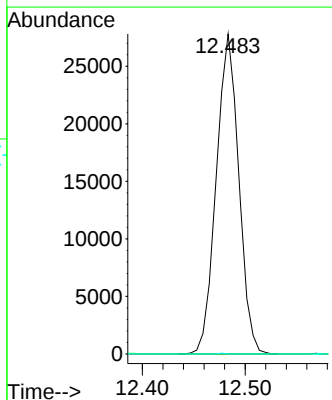
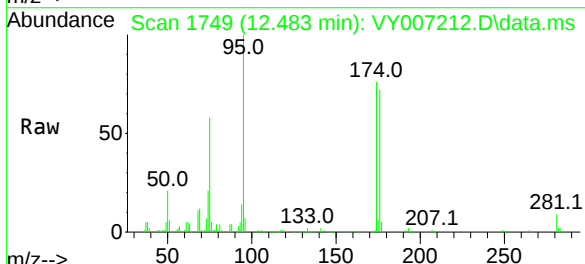
Instrument :
MSVOA_Y
ClientSampleId :

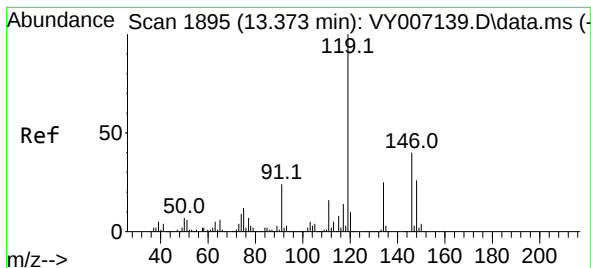
Tgt Ion: 75 Resp: 42230
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.073 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

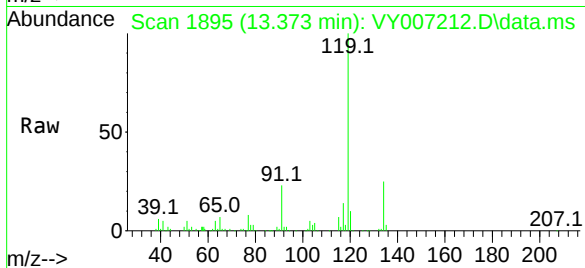
Tgt Ion: 75 Resp: 42230
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.1 0.0 0.0#



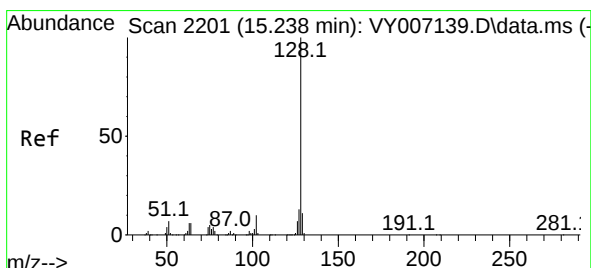
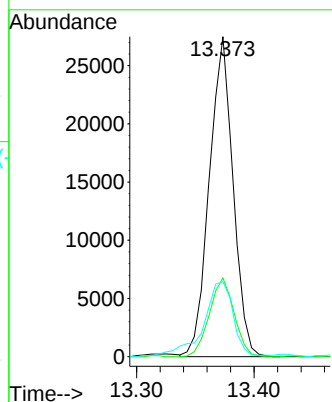
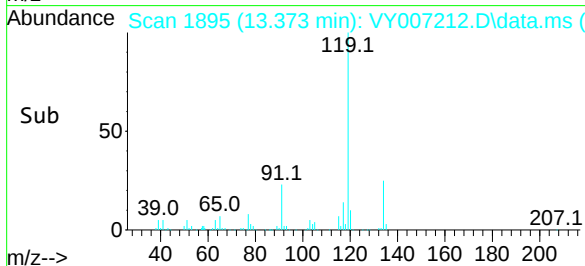


#86
p-Isopropyltoluene
Concen: 7.561 ug/l
RT: 13.373 min Scan# 119
Delta R.T. 0.001 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01

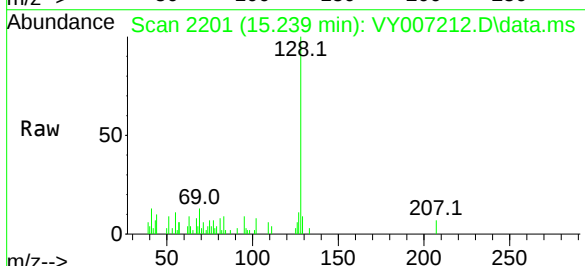
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:119 Resp: 38595
Ion Ratio Lower Upper
119 100
134 25.6 12.9 38.7
91 29.9 12.4 37.2



#95
Naphthalene
Concen: 1.794 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.001 min
Lab File: VY007212.D
Acq: 18 Jan 2022 17:01



Tgt Ion:128 Resp: 5138
Ion Ratio Lower Upper
128 100
127 13.4 10.3 15.5
129 9.7 8.9 13.3

