

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012122\
 Data File : VY007253.D
 Acq On : 21 Jan 2022 15:00
 Operator : SY/MD
 Sample : N1218-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 22 00:23:54 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)

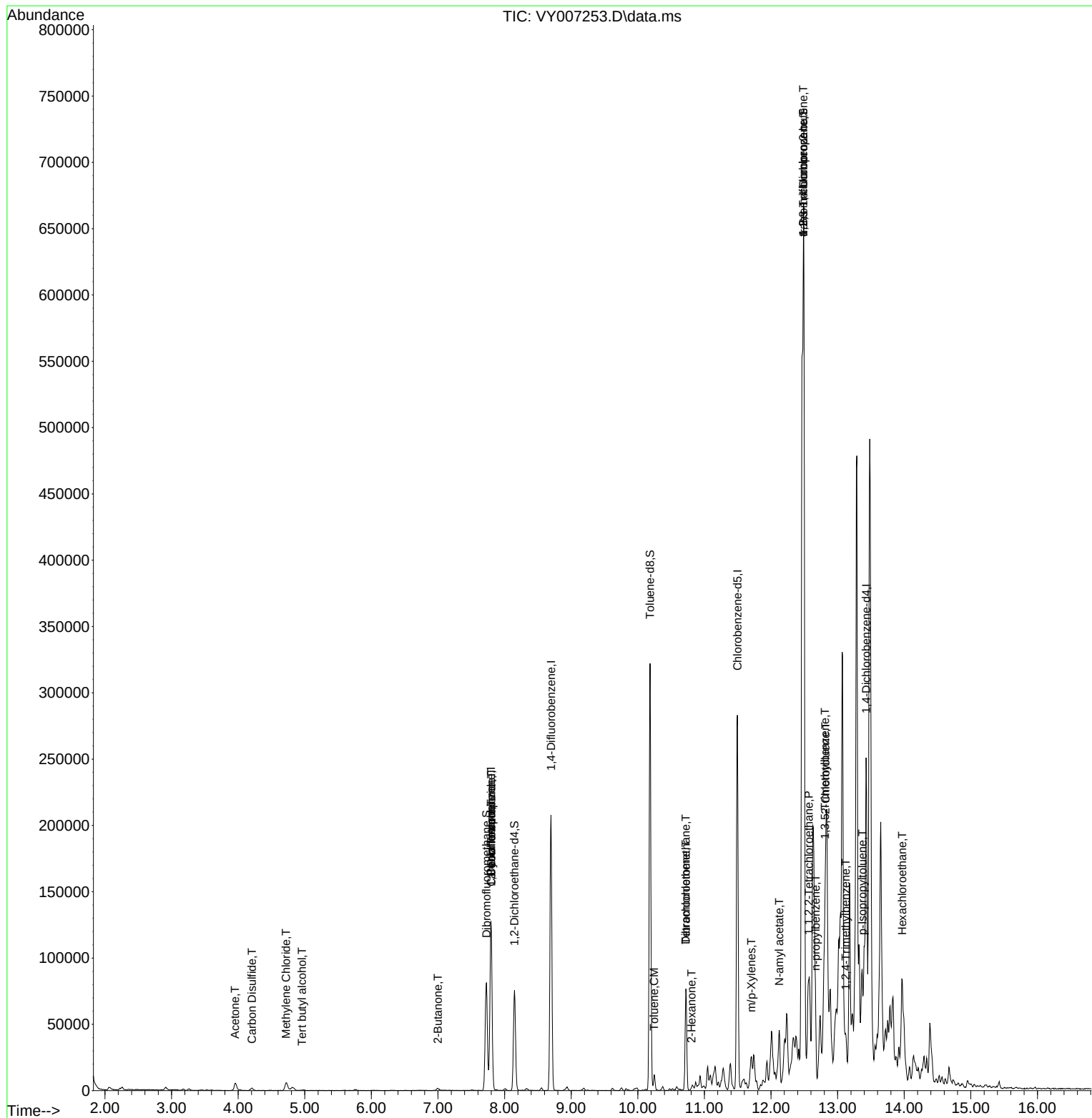
Internal Standards						
1) Pentafluorobenzene	7.795	168	92805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	173287	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	150482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	48132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	59478	52.232	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.460%	
35) Dibromofluoromethane	7.728	113	57547	49.112	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.220%	
50) Toluene-d8	10.185	98	206507	48.233	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.460%	
62) 4-Bromofluorobenzene	12.483	95	65553	43.042	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.080%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	1077	6.403	ug/l #	73
16) Acetone	3.954	43	9909	33.530	ug/l	96
17) Carbon Disulfide	4.204	76	3632	1.245	ug/l	99
20) Methylene Chloride	4.716	84	4292	3.512	ug/l	98
25) 2-Butanone	6.996	43	695	1.819	ug/l #	47
31) Cyclohexane	7.795	56	2485	1.291	ug/l #	52
36) 1,1-Dichloropropene	7.801	75	7862	4.201	ug/l #	51
38) Carbon Tetrachloride	7.801	117	10120	5.141	ug/l #	15
52) Toluene	10.246	92	4562	1.442	ug/l	95
59) 2-Hexanone	10.807	43	987	1.535	ug/l #	23
60) Dibromochloromethane	10.721	129	14243	11.379	ug/l #	11
64) Tetrachloroethene	10.721	164	14956	13.789	ug/l	94
68) m/p-Xylenes	11.703	106	5490	2.389	ug/l	95
74) N-amyl acetate	12.124	43	10873	9.781	ug/l #	61
75) 1,1,2,2-Tetrachloroethane	12.569	83	1486	1.838	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	40467	73.733	ug/l #	100
78) n-propylbenzene	12.672	91	6830	1.325	ug/l	99
79) 2-Chlorotoluene	12.819	91	3079	1.075	ug/l	85
80) 1,3,5-Trimethylbenzene	12.812	105	14885	4.361	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	40467	134.985	ug/l #	3
84) 1,2,4-Trimethylbenzene	13.123	105	11978	3.540	ug/l	100
86) p-Isopropyltoluene	13.373	119	14930	4.117	ug/l	97
90) Hexachloroethane	13.971	117	1173	1.655	ug/l #	16

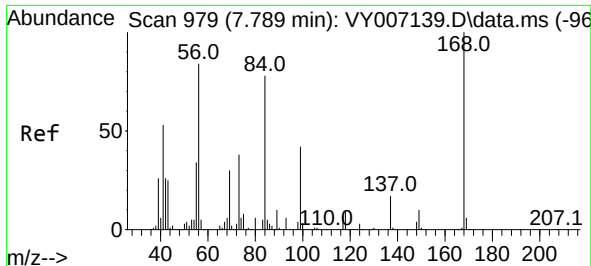
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jan 22 00:23:54 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

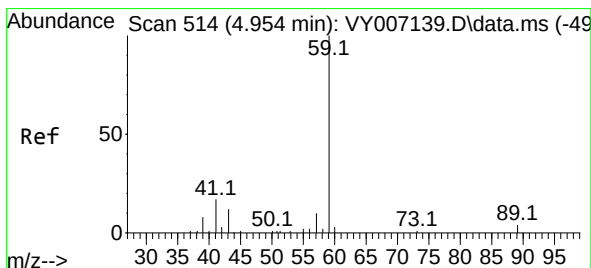
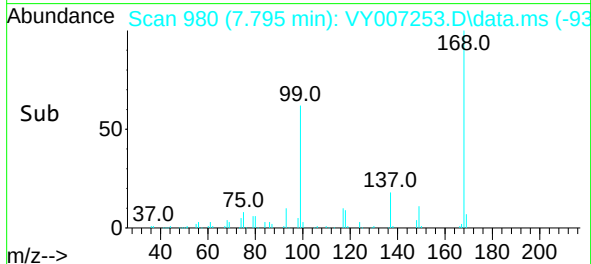
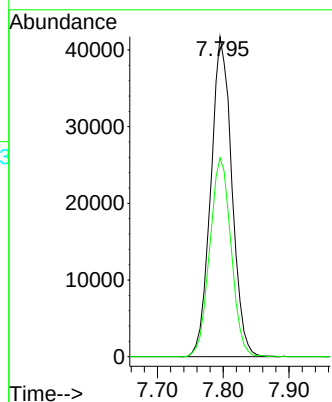
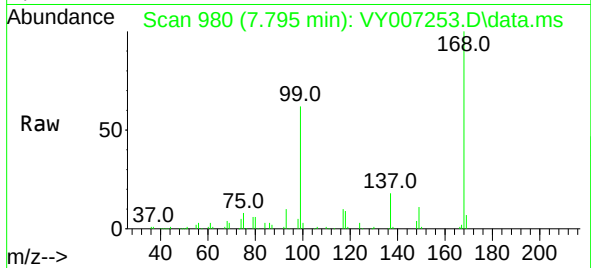




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

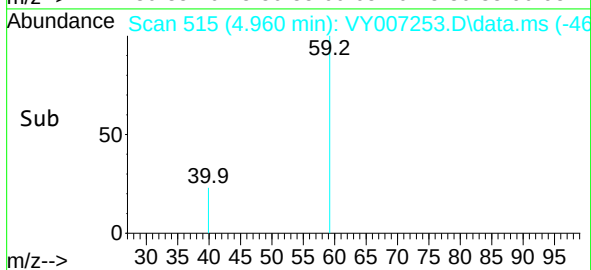
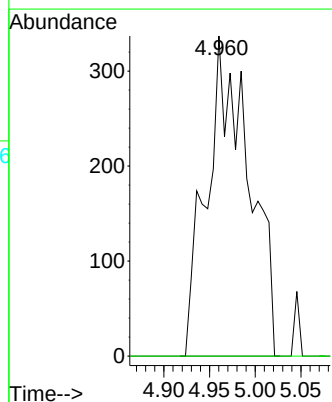
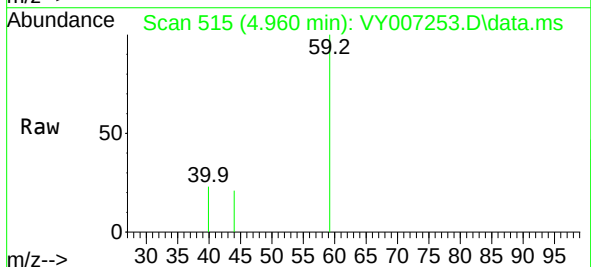
Instrument :
MSVOA_Y
ClientSampleId :

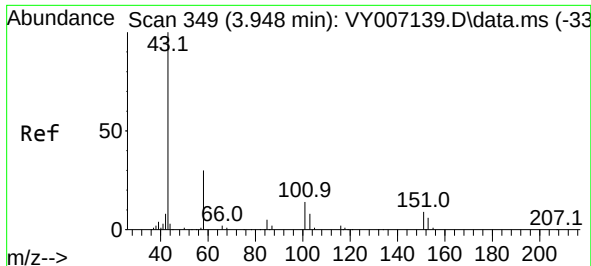
Tgt Ion:168 Resp: 92805
Ion Ratio Lower Upper
168 100
99 62.1 49.1 73.7



#11
Tert butyl alcohol
Concen: 6.403 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Tgt Ion: 59 Resp: 1077
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

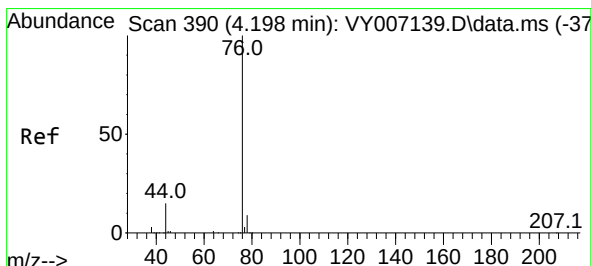
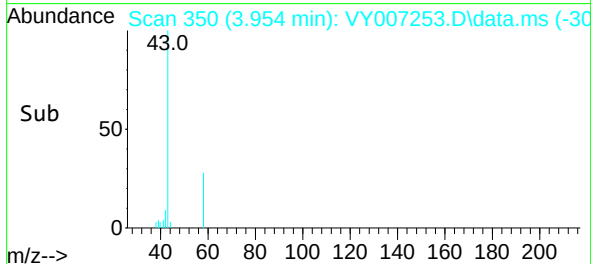
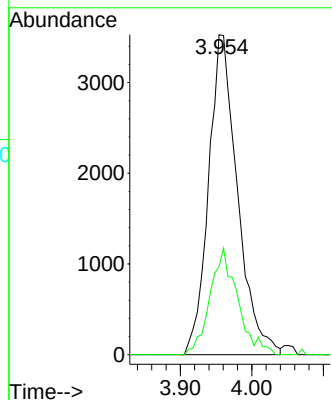
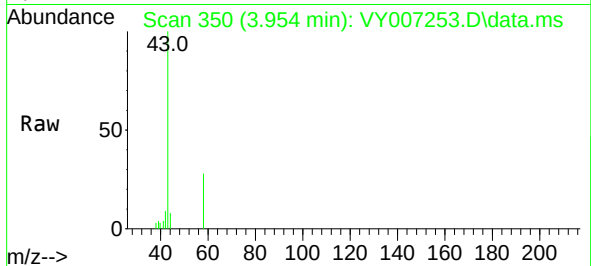




#16
Acetone
Concen: 33.530 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

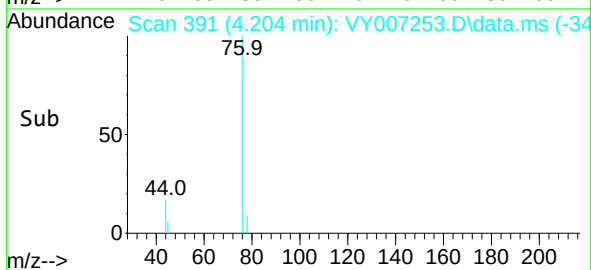
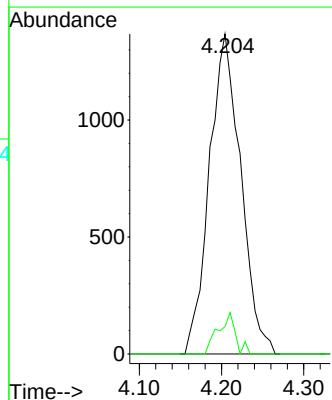
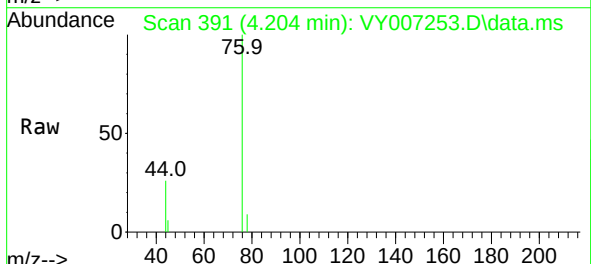
Instrument :
MSVOA_Y
ClientSampleId :

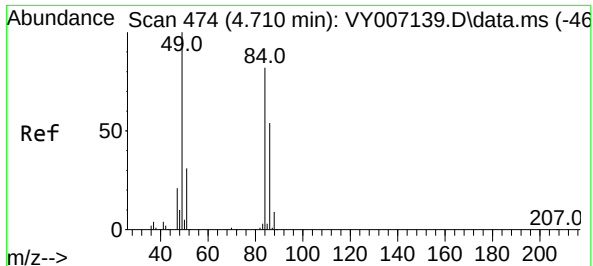
Tgt Ion: 43 Resp: 9909
Ion Ratio Lower Upper
43 100
58 27.6 23.8 35.6



#17
Carbon Disulfide
Concen: 1.245 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

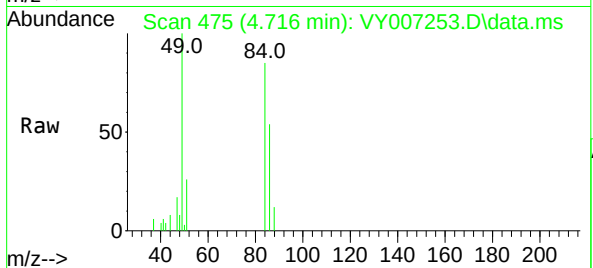
Tgt Ion: 76 Resp: 3632
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8



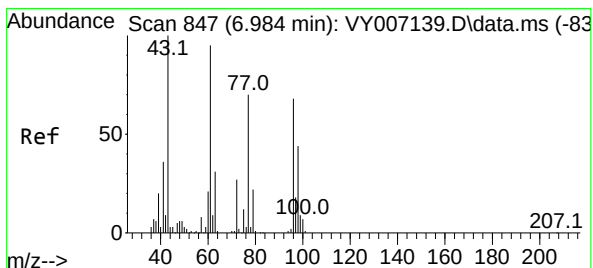
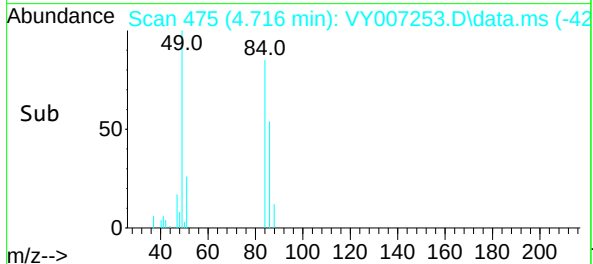
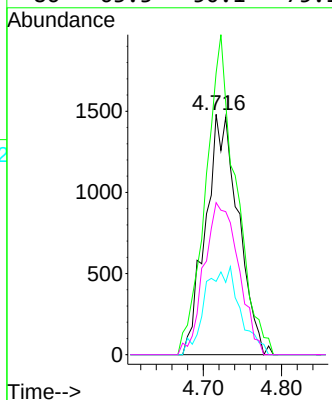


#20
Methylene Chloride
Concen: 3.512 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Instrument :
MSVOA_Y
ClientSampleId :

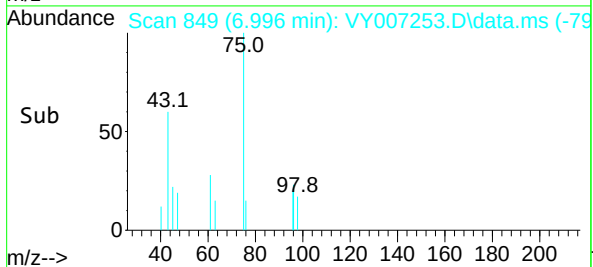
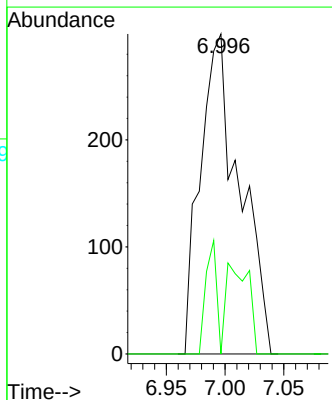
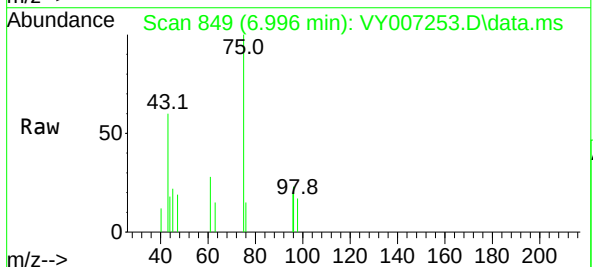


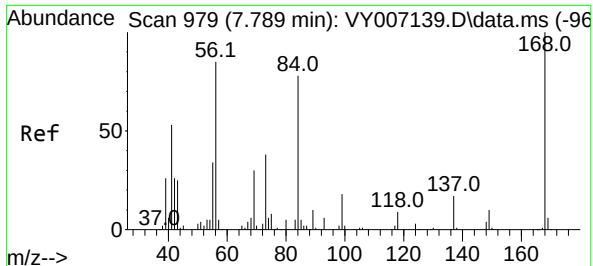
Tgt Ion:	84	Resp:	4292
Ion	Ratio	Lower	Upper
84	100		
49	117.2	92.6	139.0
51	30.5	28.6	42.8
86	63.3	50.1	75.1



#25
2-Butanone
Concen: 1.819 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.013 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

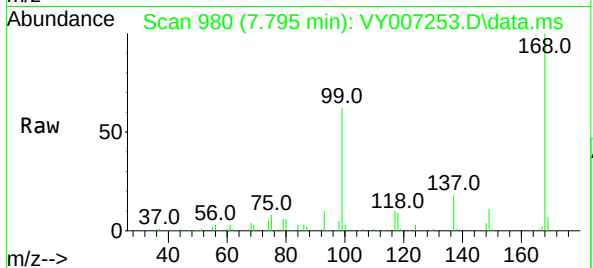
Tgt Ion:	43	Resp:	695
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.9	32.9#



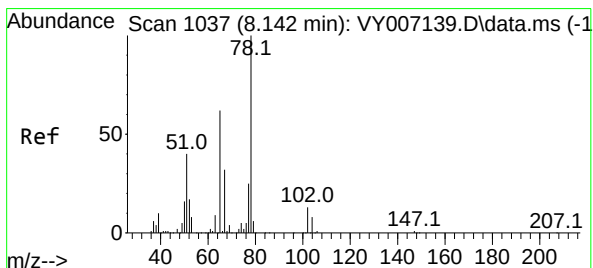
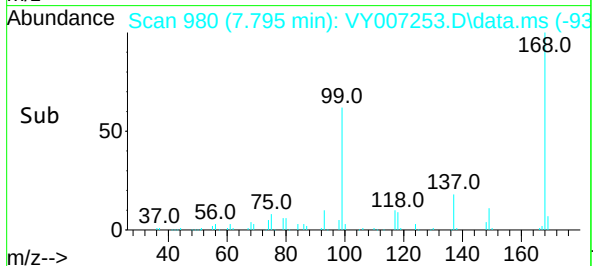
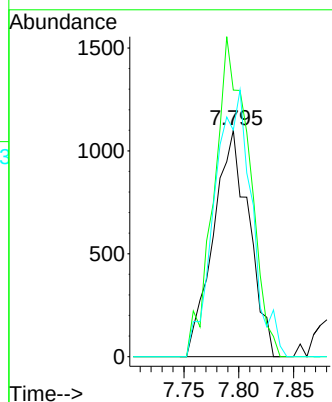


#31
Cyclohexane
Concen: 1.291 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Instrument :
MSVOA_Y
ClientSampleId :

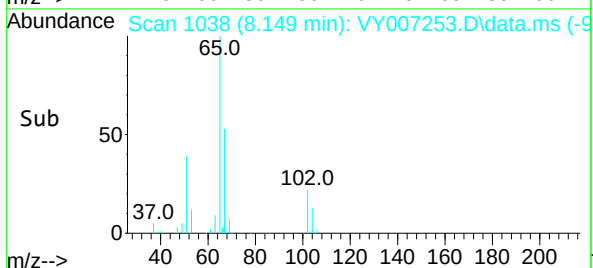
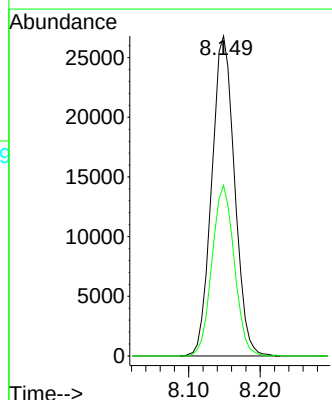
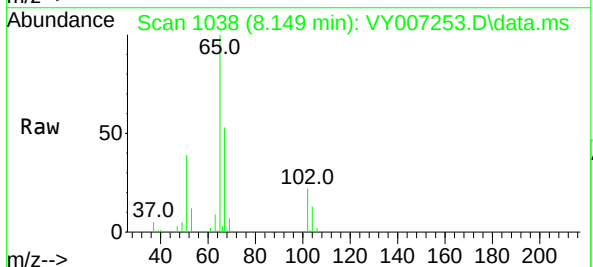


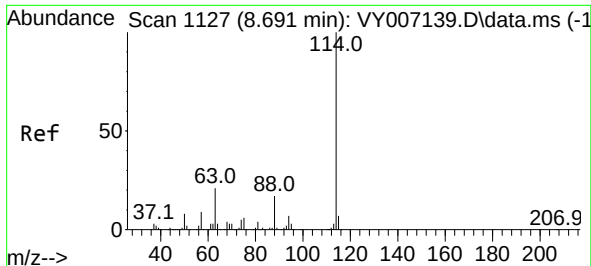
Tgt Ion: 56 Resp: 2485
Ion Ratio Lower Upper
56 100
69 117.7 27.2 40.8#
84 100.1 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 52.232 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

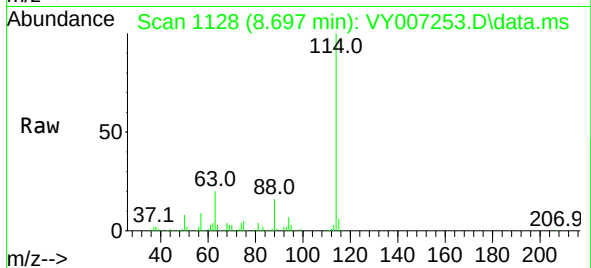
Tgt Ion: 65 Resp: 59478
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.6



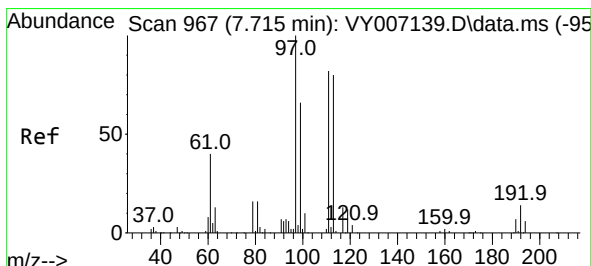
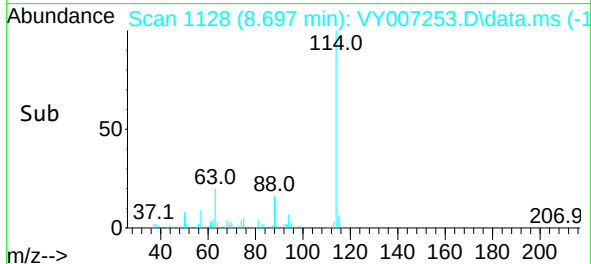
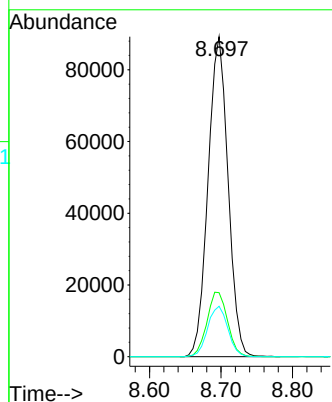


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1127
Delta R.T. 0.007 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Instrument :
MSVOA_Y
ClientSampleId :

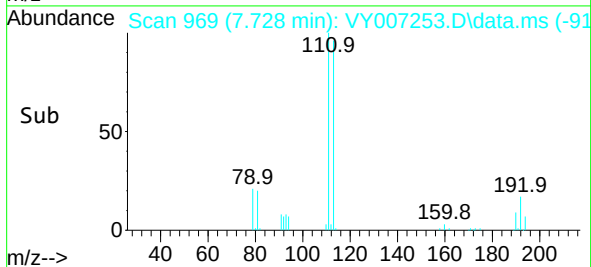
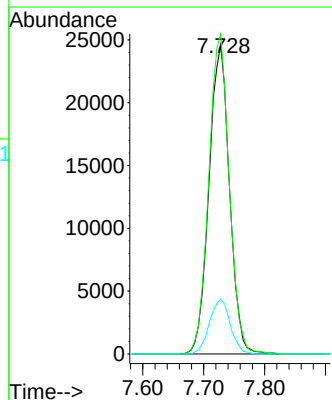
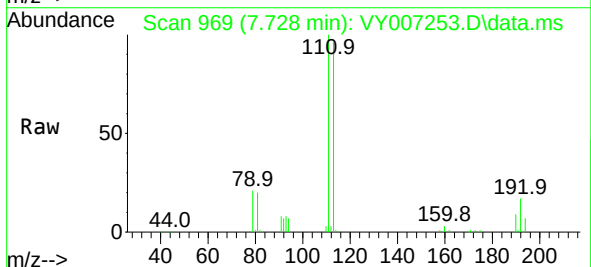


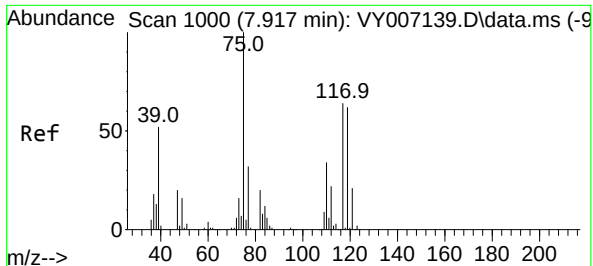
Tgt Ion:114 Resp: 173287
Ion Ratio Lower Upper
114 100
63 20.0 0.0 39.2
88 15.7 0.0 31.0



#35
Dibromofluoromethane
Concen: 49.112 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.013 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Tgt Ion:113 Resp: 57547
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.4
192 17.9 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.201 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.115 min

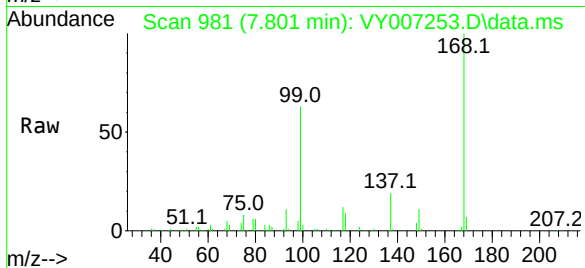
Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

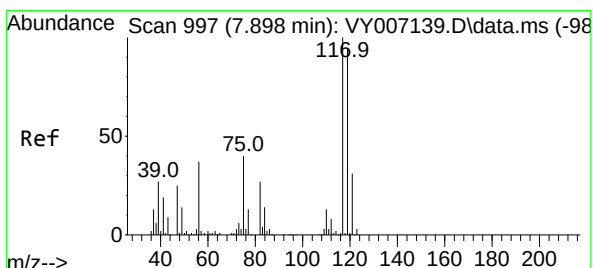
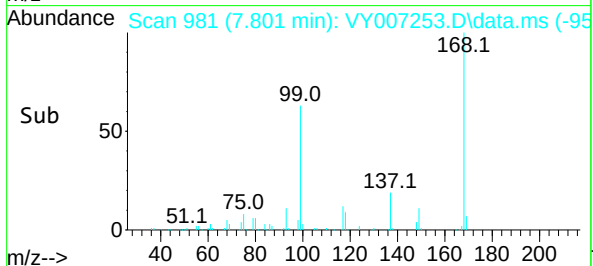
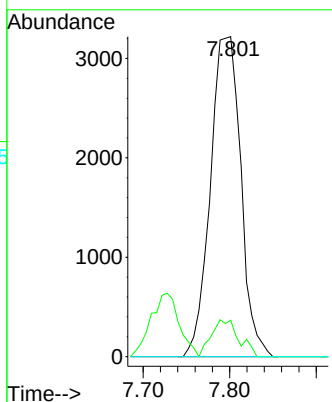
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	7862
Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.3	51.9#
77	0.0	24.7	37.1#



#38

Carbon Tetrachloride

Concen: 5.141 ug/l

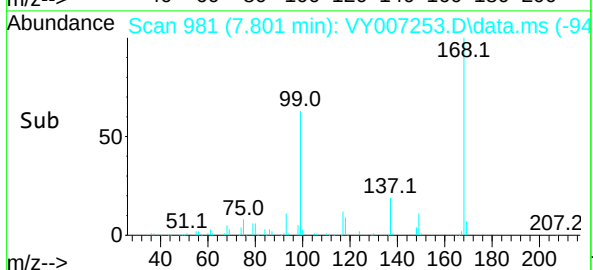
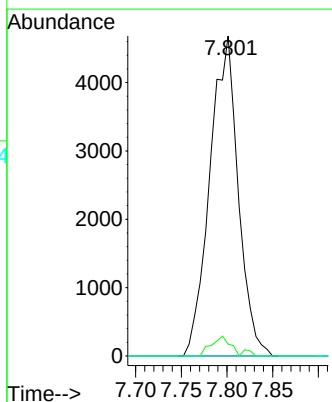
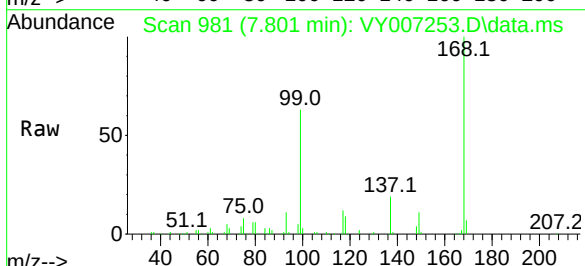
RT: 7.801 min Scan# 981

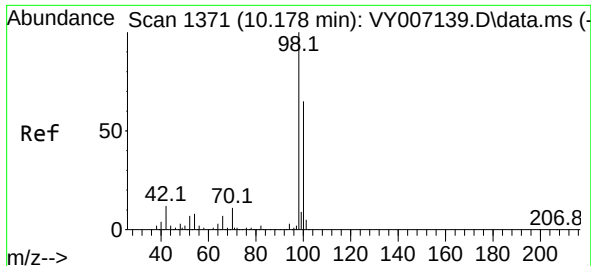
Delta R.T. -0.097 min

Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

Tgt Ion:	117	Resp:	10120
Ion	Ratio	Lower	Upper
117	100		
119	3.7	77.2	115.8#
121	0.0	24.2	36.2#

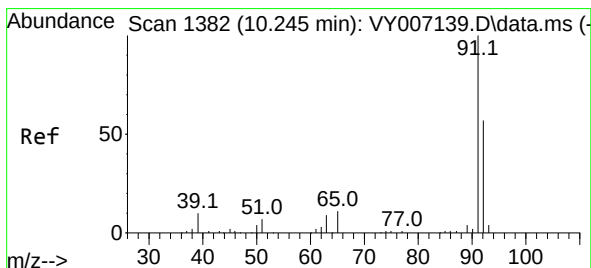
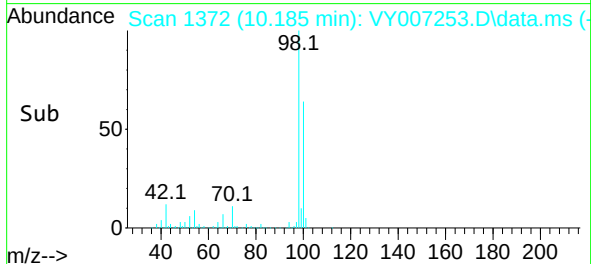
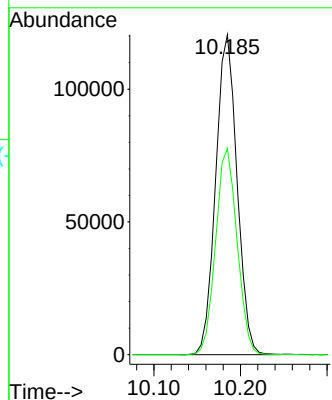
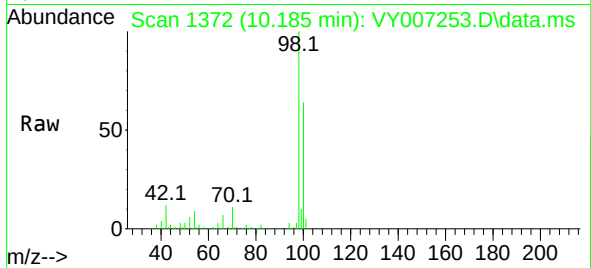




#50
Toluene-d8
Concen: 48.233 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.007 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

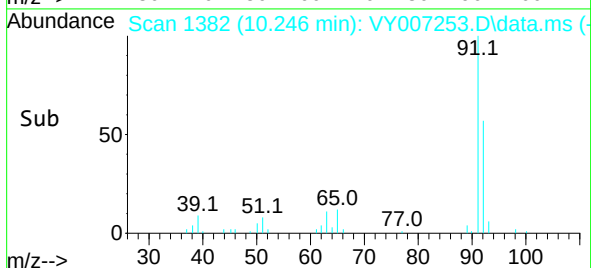
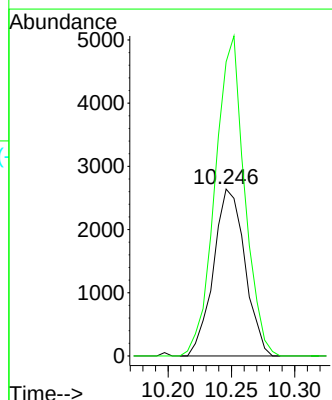
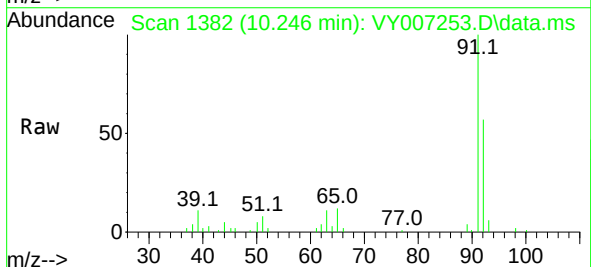
Instrument :
MSVOA_Y
ClientSampleId :

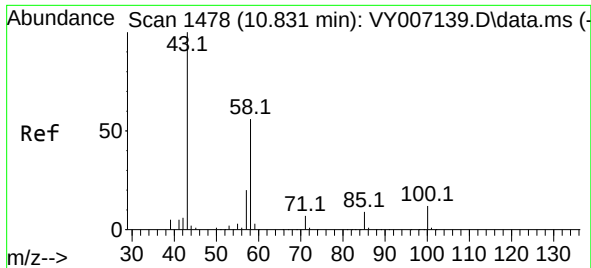
Tgt Ion: 98 Resp: 206507
Ion Ratio Lower Upper
98 100
100 64.7 52.2 78.2



#52
Toluene
Concen: 1.442 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Tgt Ion: 92 Resp: 4562
Ion Ratio Lower Upper
92 100
91 179.4 138.6 207.8

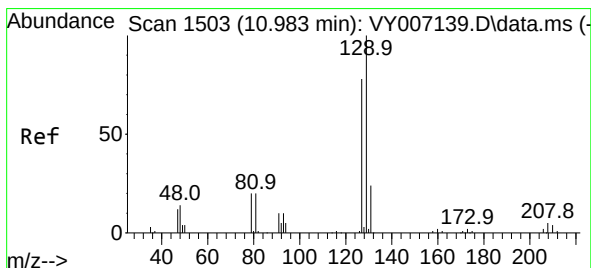
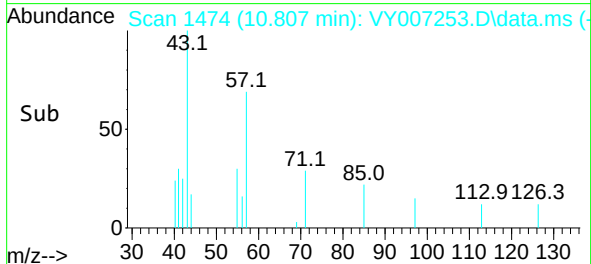
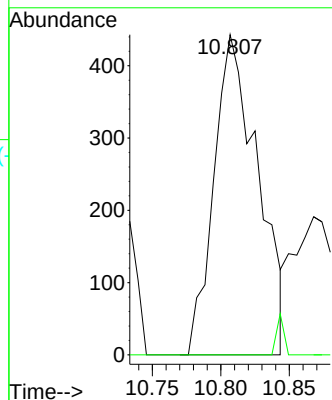
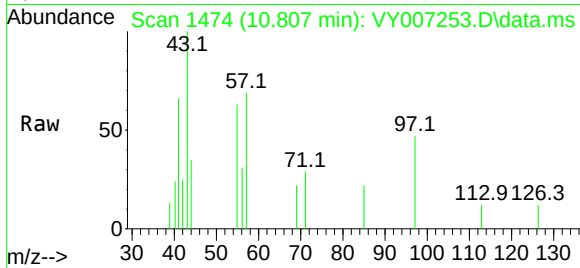




#59
2-Hexanone
Concen: 1.535 ug/l
RT: 10.807 min Scan# 1478
Delta R.T. -0.024 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

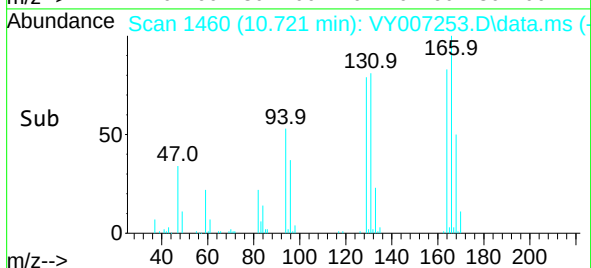
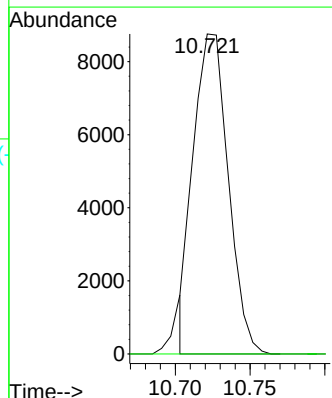
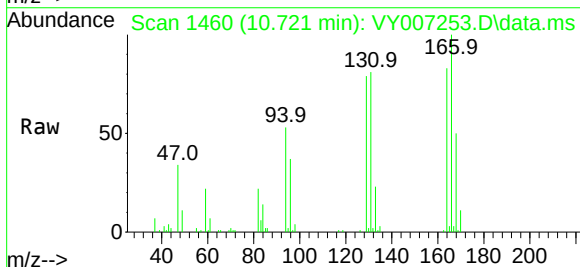
Instrument :
MSVOA_Y
ClientSampleId :

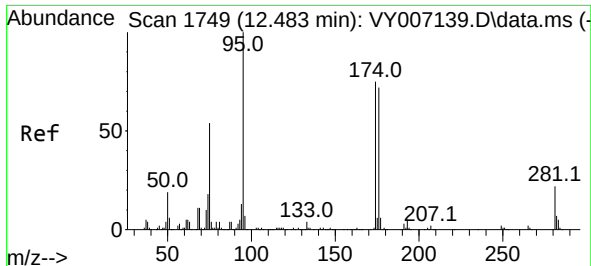
Tgt Ion: 43 Resp: 987
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#60
Dibromochloromethane
Concen: 11.379 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.262 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Tgt Ion: 129 Resp: 14243
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#

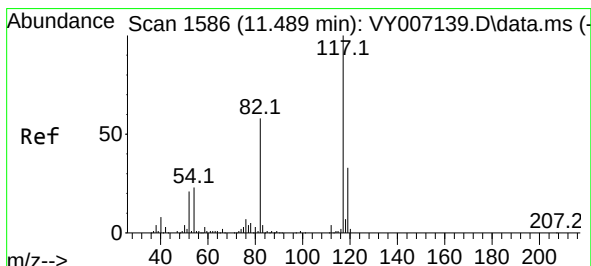
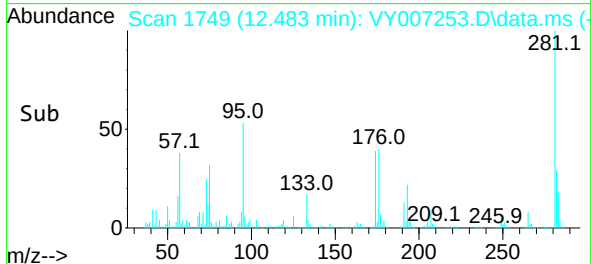
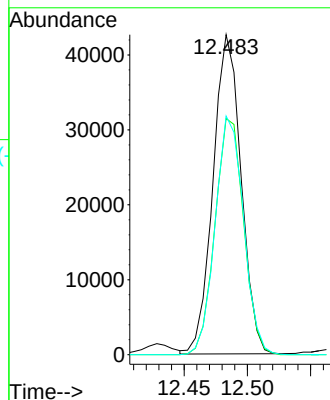
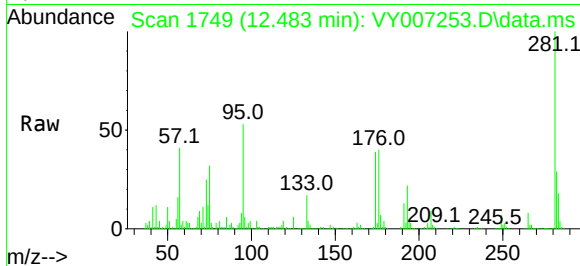




#62
4-Bromofluorobenzene
Concen: 43.042 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

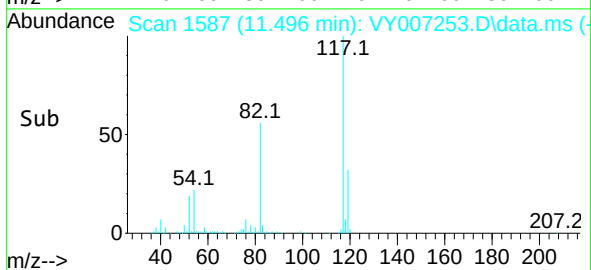
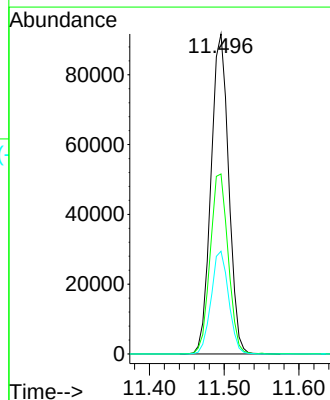
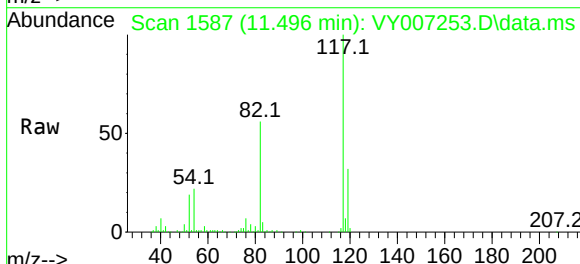
Instrument :
MSVOA_Y
ClientSampleId :

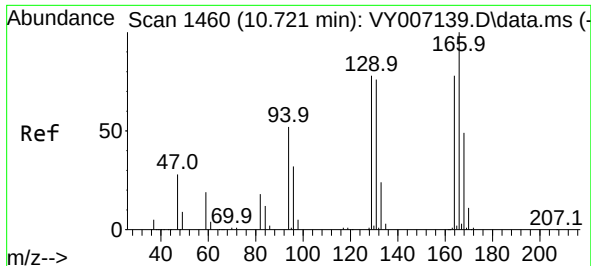
Tgt Ion: 95 Resp: 65553
Ion Ratio Lower Upper
95 100
174 75.6 0.0 148.4
176 75.7 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

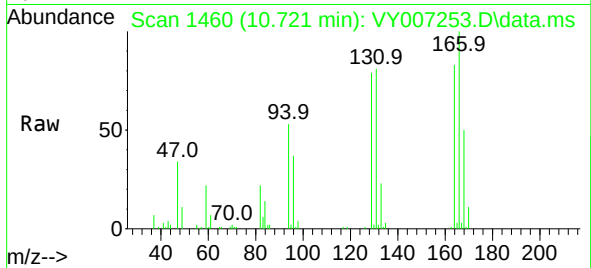
Tgt Ion: 117 Resp: 150482
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.0
119 32.1 26.4 39.6



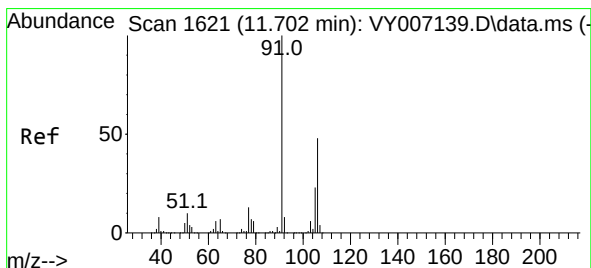
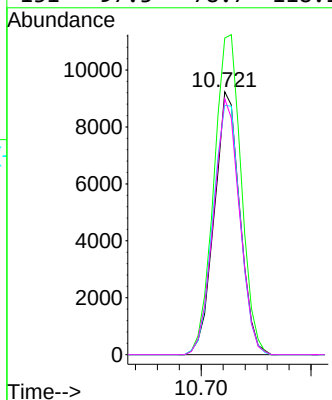
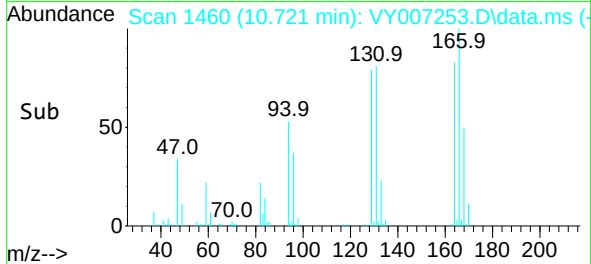


#64
Tetrachloroethene
Concen: 13.789 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

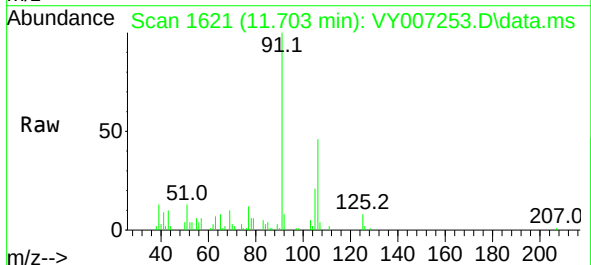
Instrument :
MSVOA_Y
ClientSampleId :



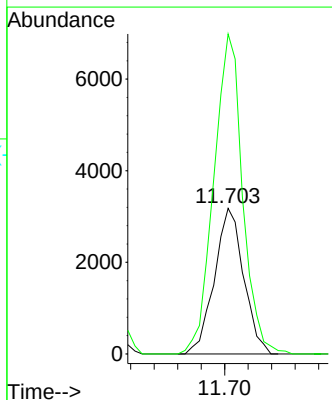
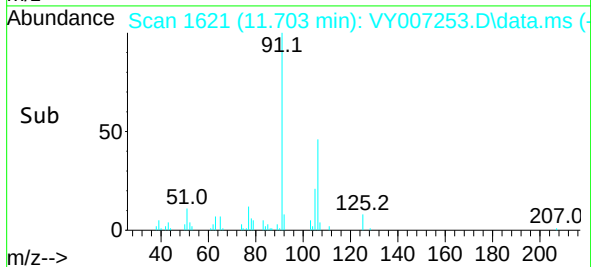
Tgt Ion:164 Resp: 14956
Ion Ratio Lower Upper
164 100
166 120.4 102.6 154.0
129 94.8 84.6 127.0
131 97.3 78.7 118.1

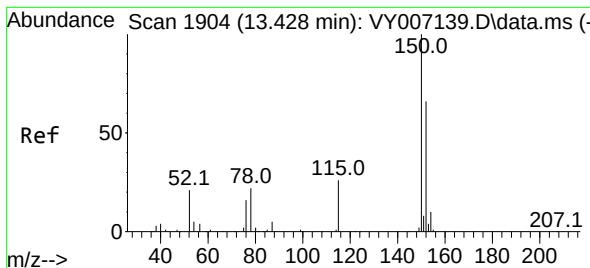


#68
m/p-Xylenes
Concen: 2.389 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00



Tgt Ion:106 Resp: 5490
Ion Ratio Lower Upper
106 100
91 216.7 167.1 250.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

Instrument :

MSVOA_Y

ClientSampleId :

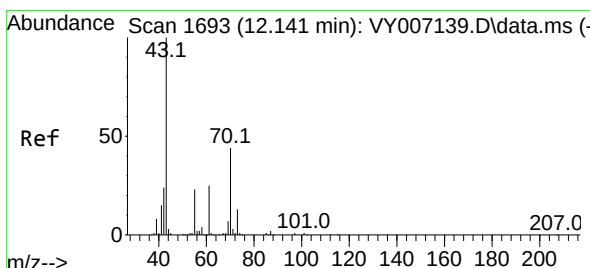
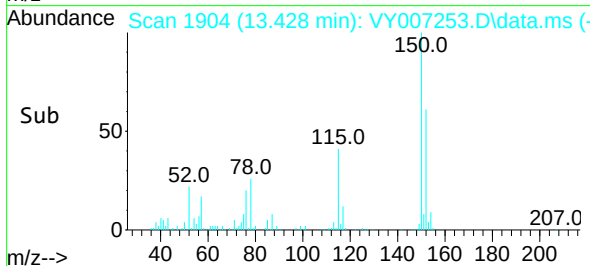
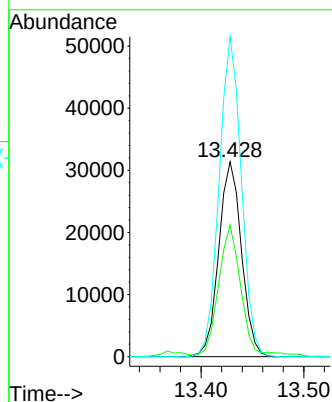
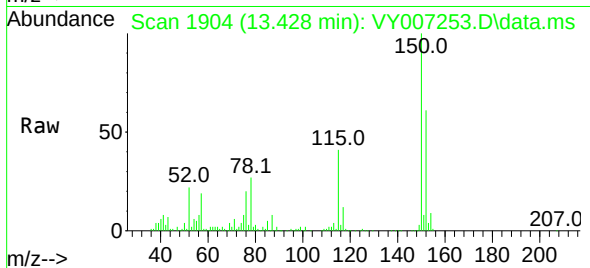
Tgt Ion:152 Resp: 48132

Ion Ratio Lower Upper

152 100

115 67.5 31.4 94.0

150 160.2 0.0 348.4



#74

N-ethyl acetate

Concen: 9.781 ug/l

RT: 12.124 min Scan# 1690

Delta R.T. -0.018 min

Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

Tgt Ion: 43 Resp: 10873

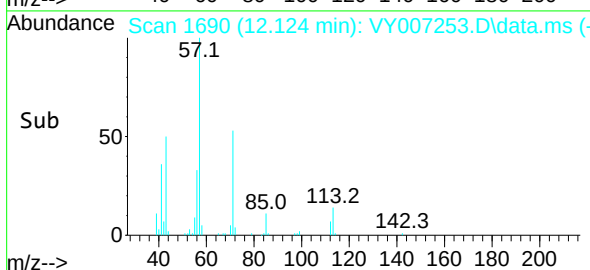
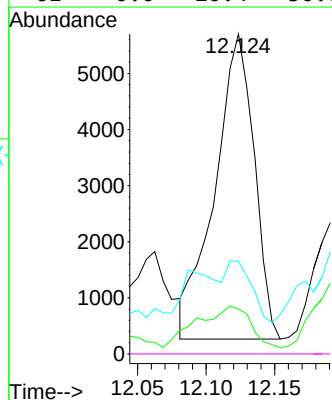
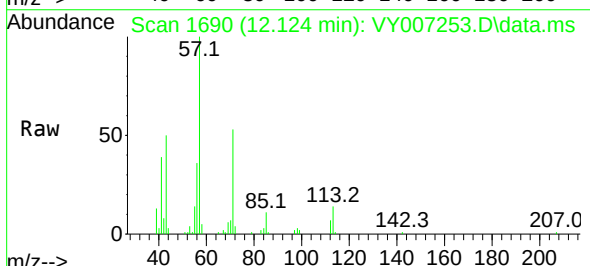
Ion Ratio Lower Upper

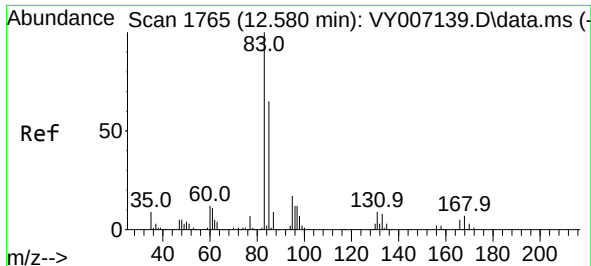
43 100

70 18.4 36.2 54.4#

55 12.5 19.0 28.4#

61 0.0 20.4 30.6#

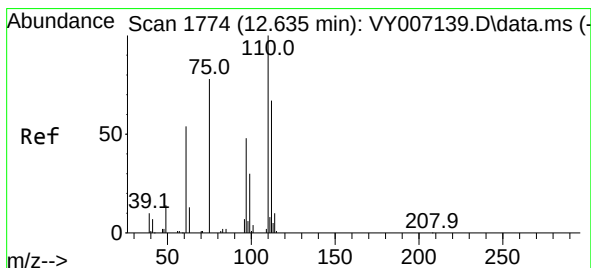
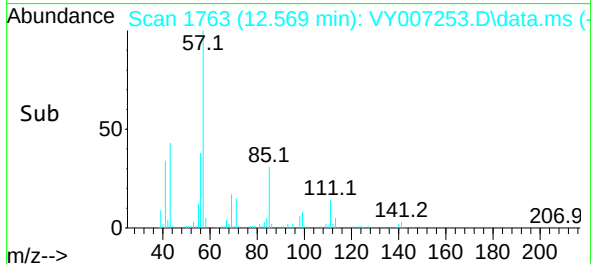
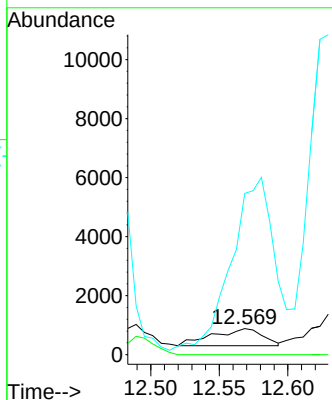
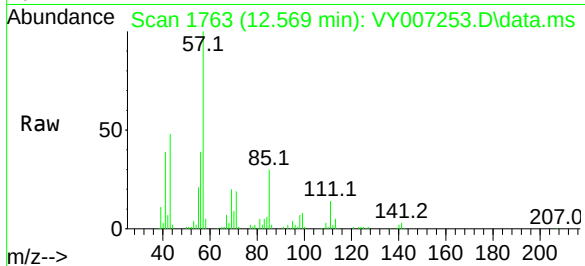




#75
1,1,2,2-Tetrachloroethane
Concen: 1.838 ug/l
RT: 12.569 min Scan# 1763
Delta R.T. -0.012 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

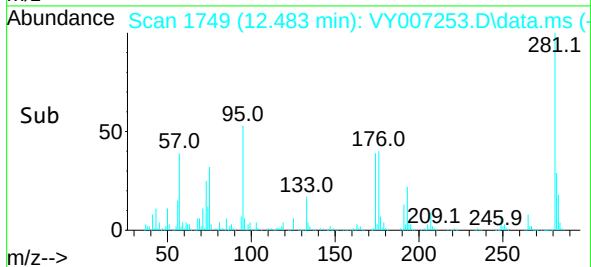
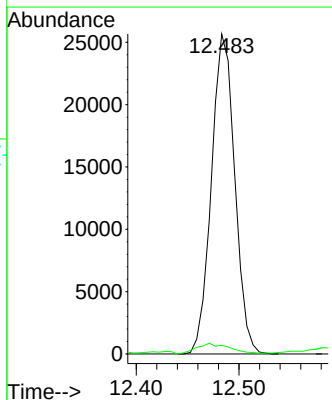
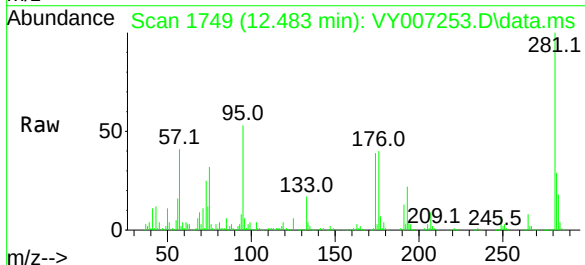
Instrument :
MSVOA_Y
ClientSampleId :

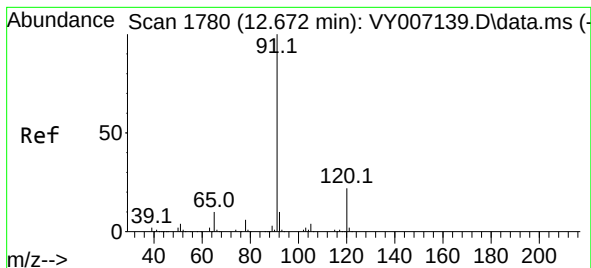
Tgt Ion: 83 Resp: 1486
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 845.8 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 73.733 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007253.D
Acq: 21 Jan 2022 15:00

Tgt Ion: 75 Resp: 40467
Ion Ratio Lower Upper
75 100
77 4.9 0.0 0.0#





#78

n-propylbenzene

Concen: 1.325 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

Instrument :

MSVOA_Y

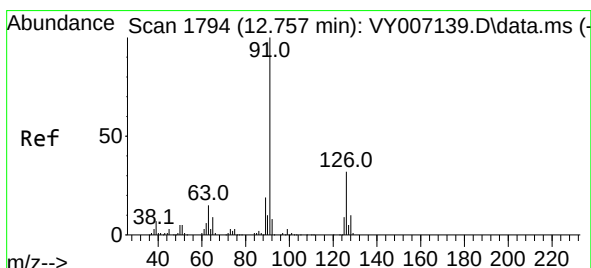
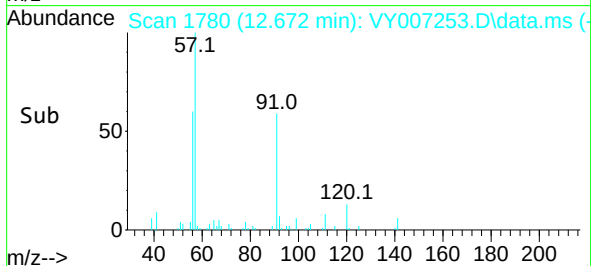
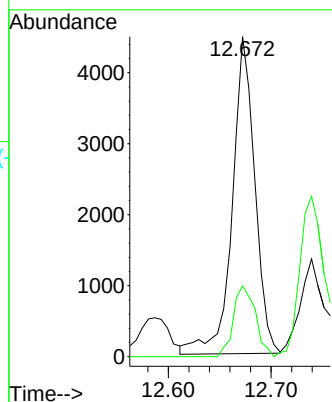
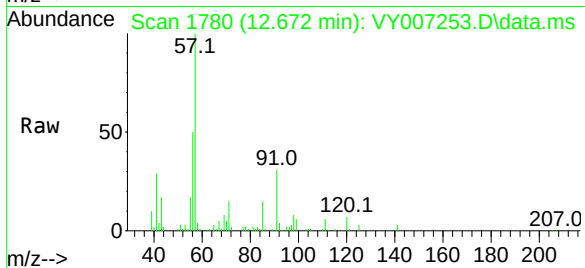
ClientSampleId :

Tgt Ion: 91 Resp: 6830

Ion Ratio Lower Upper

91 100

120 21.7 11.2 33.5



#79

2-Chlorotoluene

Concen: 1.075 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.061 min

Lab File: VY007253.D

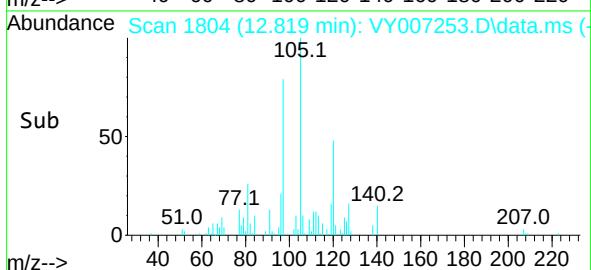
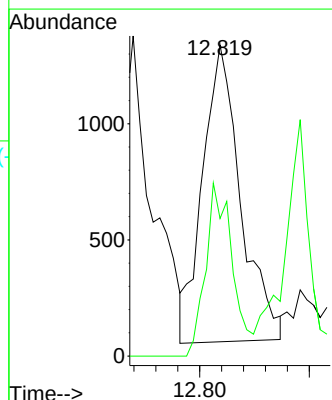
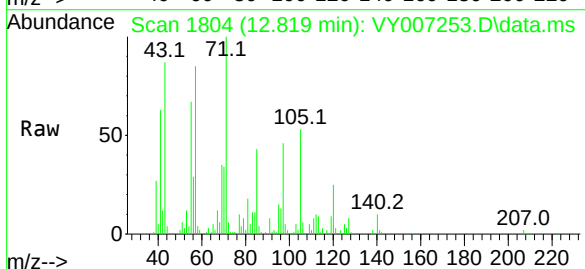
Acq: 21 Jan 2022 15:00

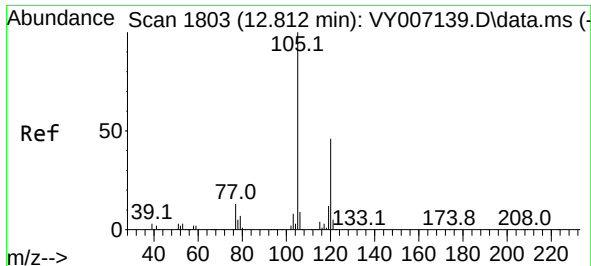
Tgt Ion: 91 Resp: 3079

Ion Ratio Lower Upper

91 100

126 41.0 16.4 49.1

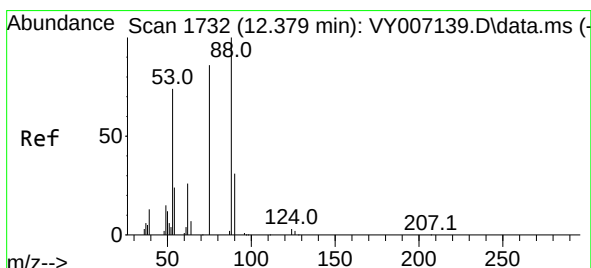
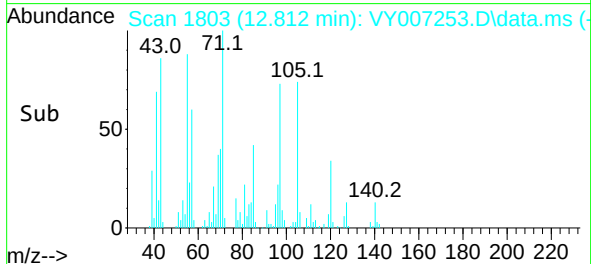
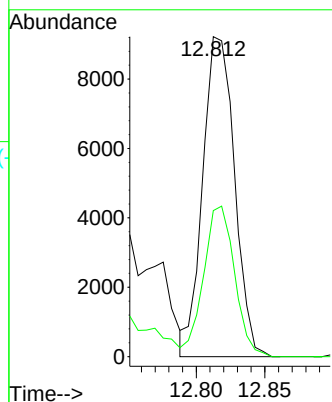
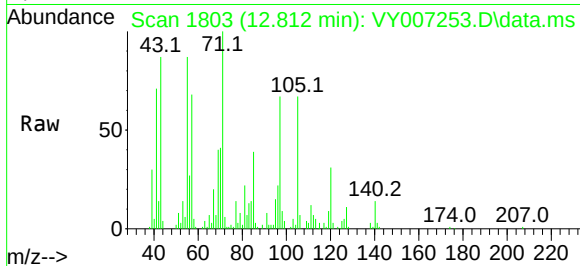




#80
 1,3,5-Trimethylbenzene
 Concen: 4.361 ug/l
 RT: 12.812 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VY007253.D
 Acq: 21 Jan 2022 15:00

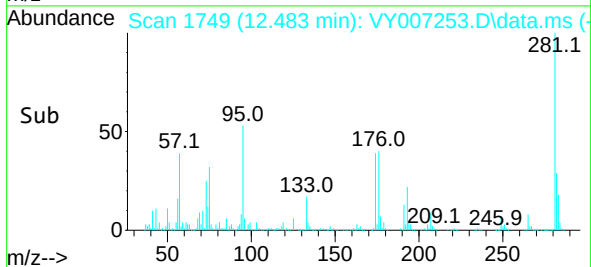
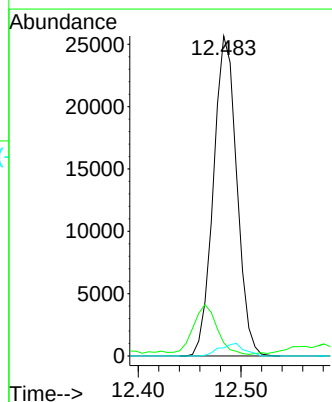
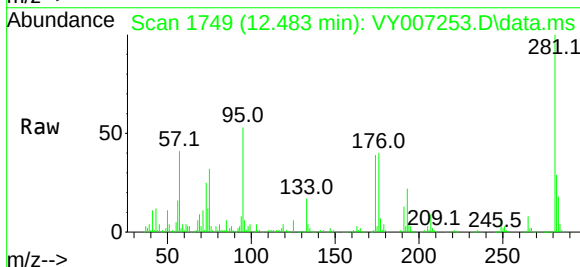
Instrument :
 MSVOA_Y
 ClientSampleId :

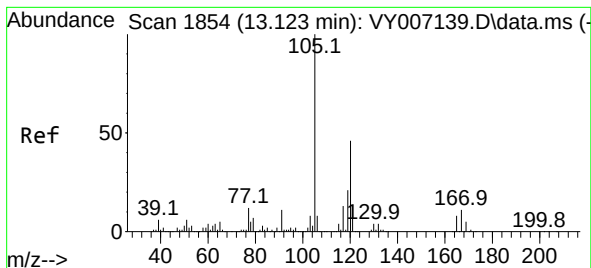
Tgt Ion:105 Resp: 14885
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.7 71.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.985 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY007253.D
 Acq: 21 Jan 2022 15:00

Tgt Ion: 75 Resp: 40467
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 4.1 0.0 0.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.540 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

Instrument :

MSVOA_Y

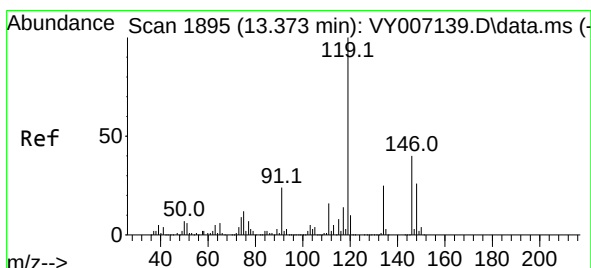
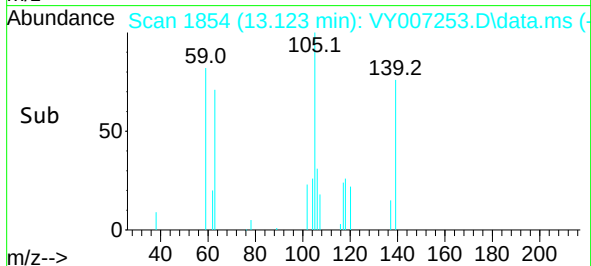
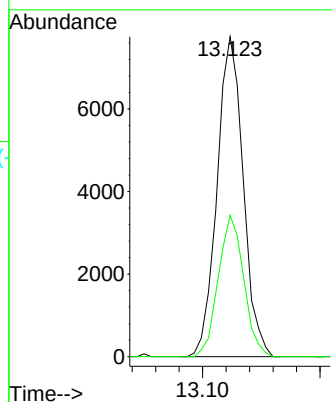
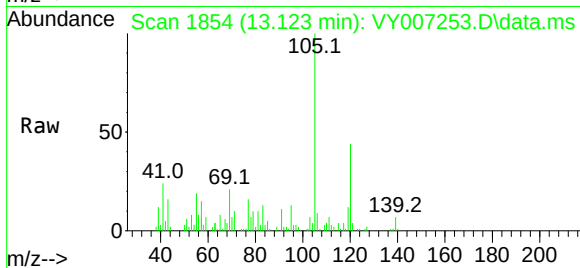
ClientSampleId :

Tgt Ion:105 Resp: 11978

Ion Ratio Lower Upper

105 100

120 42.9 21.6 64.6



#86

p-Isopropyltoluene

Concen: 4.117 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

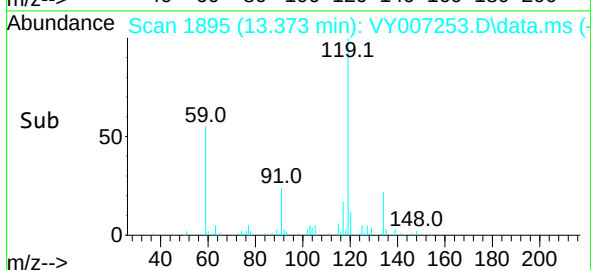
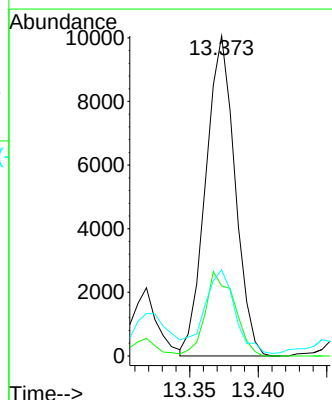
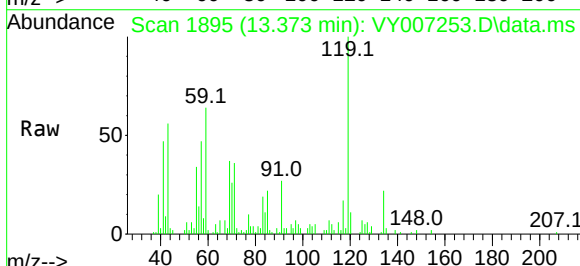
Tgt Ion:119 Resp: 14930

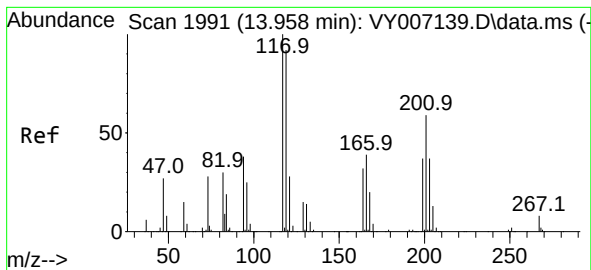
Ion Ratio Lower Upper

119 100

134 26.3 12.9 38.7

91 27.2 12.4 37.2





#90

Hexachloroethane

Concen: 1.655 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.013 min

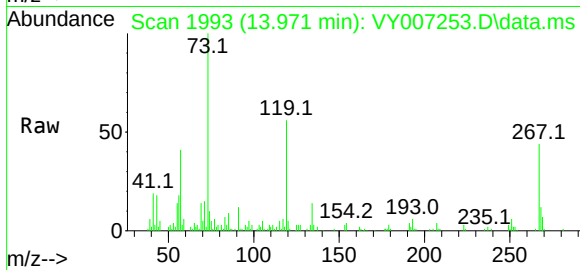
Lab File: VY007253.D

Acq: 21 Jan 2022 15:00

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117 Resp: 1173

Ion	Ratio	Lower	Upper
117	100		
201	0.0	33.6	100.6#

