

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007165.D
 Acq On : 14 Jan 2022 13:47
 Operator : SY/MD
 Sample : N1119-04
 Misc : 5.48g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 14 14:39:19 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)

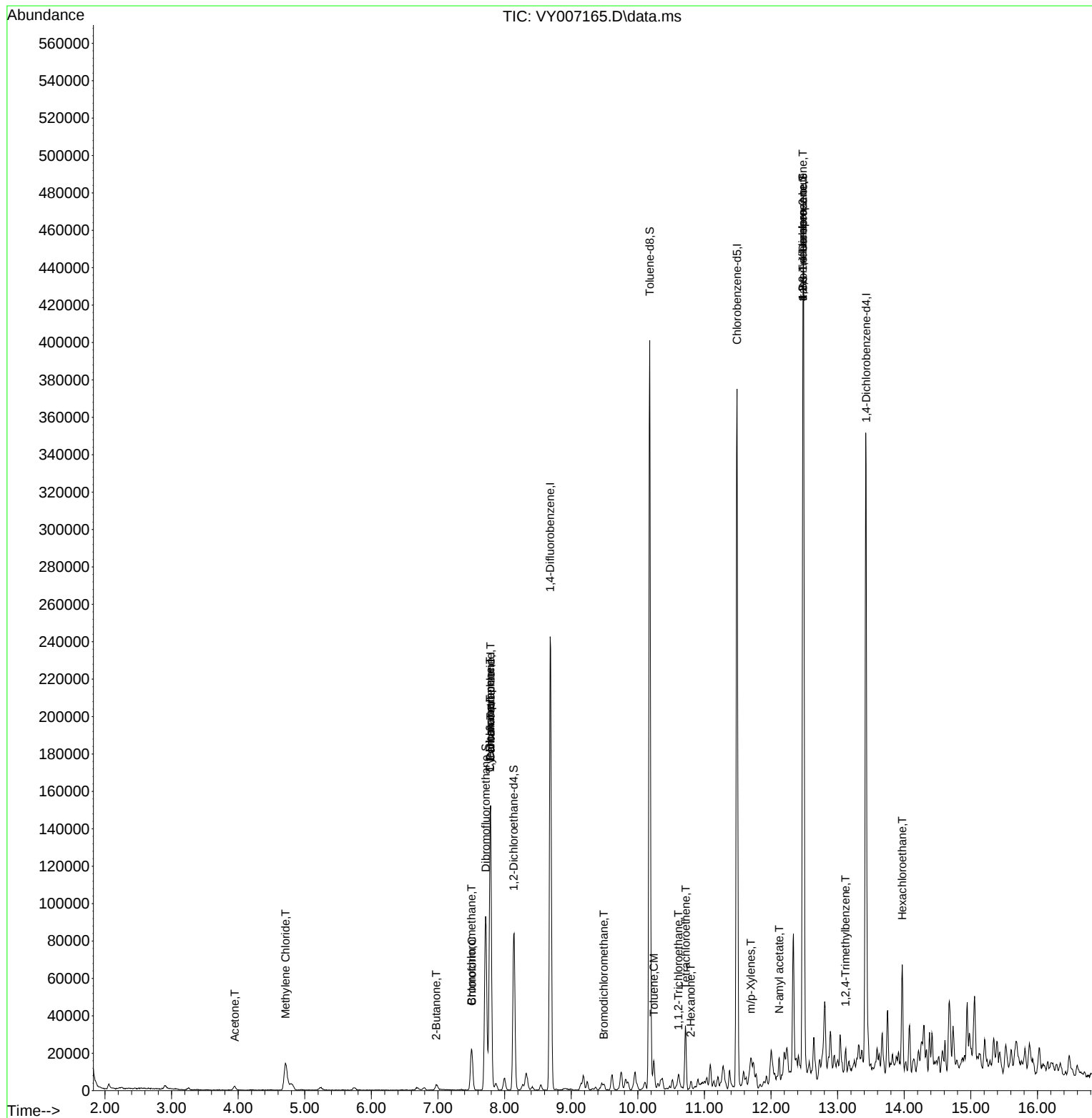
Internal Standards						
1) Pentafluorobenzene	7.789	168	108279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	200893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	190971	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	81287	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	69664	52.434	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 104.860%			
35) Dibromofluoromethane	7.716	113	66777	49.158	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.320%			
50) Toluene-d8	10.179	98	246952	49.753	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.500%			
62) 4-Bromofluorobenzene	12.477	95	91117	51.606	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.220%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.948	59	412	Below Cal	#	73
13) Acrolein	3.717	56	47	Below Cal	#	1
16) Acetone	3.948	43	3686	10.690	ug/l	92
20) Methylene Chloride	4.710	84	10806	7.579	ug/l #	94
25) 2-Butanone	6.972	43	534	1.198	ug/l #	47
28) Bromochloromethane	7.502	49	1823	2.082	ug/l #	11
30) Chloroform	7.509	83	22106	8.788	ug/l	99
31) Cyclohexane	7.783	56	3765	1.676	ug/l #	39
36) 1,1-Dichloropropene	7.783	75	9549	4.401	ug/l #	50
38) Carbon Tetrachloride	7.789	117	11856	5.195	ug/l #	16
47) Bromodichloromethane	9.490	83	2230	1.042	ug/l	96
52) Toluene	10.240	92	6219	1.695	ug/l	97
55) 1,1,2-Trichloroethane	10.612	97	2370	2.008	ug/l #	21
59) 2-Hexanone	10.795	43	2230	2.991	ug/l #	23
64) Tetrachloroethene	10.721	164	5928	4.307	ug/l	85
68) m/p-Xylenes	11.697	106	3677	1.261	ug/l	95
74) N-amyl acetate	12.124	43	3465	1.846	ug/l #	53
76) 1,2,3-Trichloropropane	12.477	75	51209	55.248	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	51209	101.145	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.117	105	6158	1.078	ug/l	99
90) Hexachloroethane	13.971	117	2241	1.872	ug/l #	16

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

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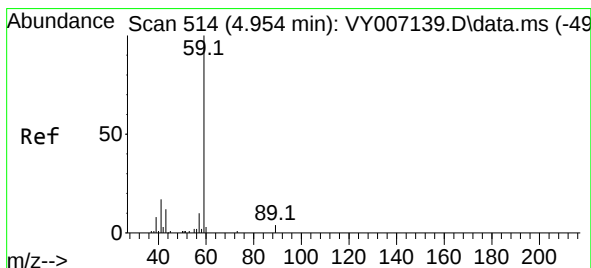
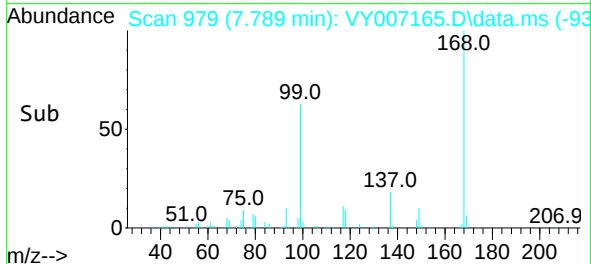
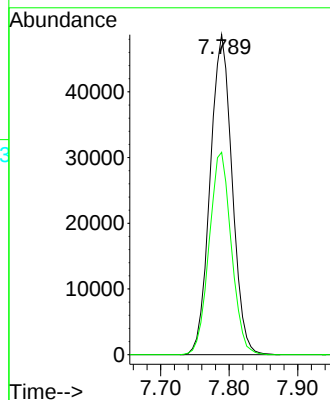
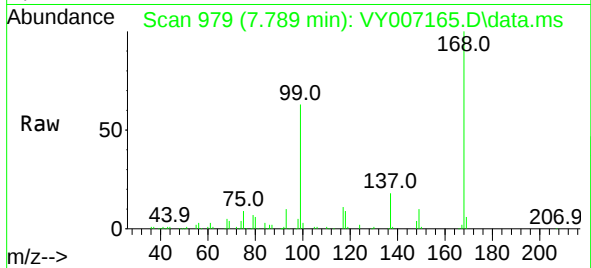




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

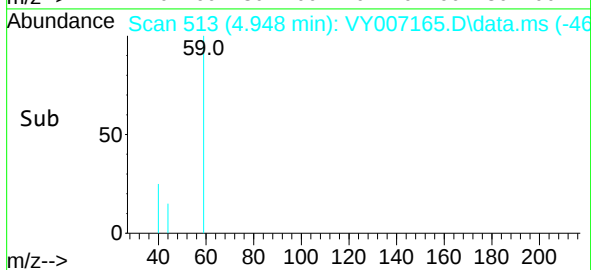
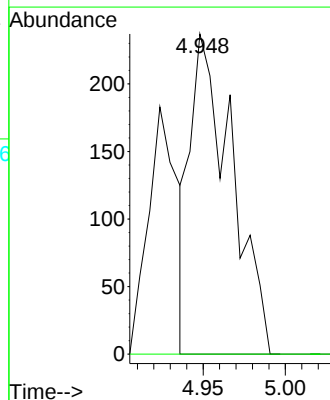
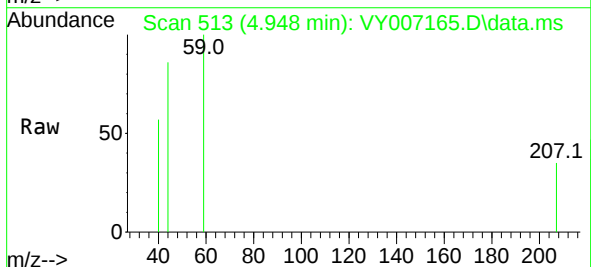
Instrument :
MSVOA_Y
ClientSampleId :

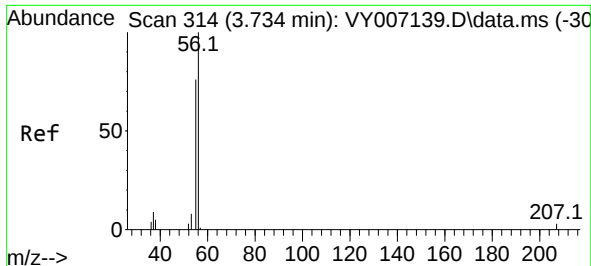
Tgt Ion:168 Resp: 108279
Ion Ratio Lower Upper
168 100
99 63.3 49.1 73.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

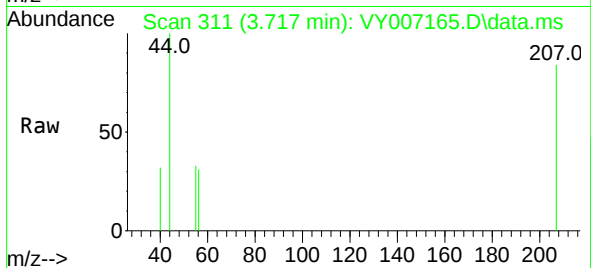
Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



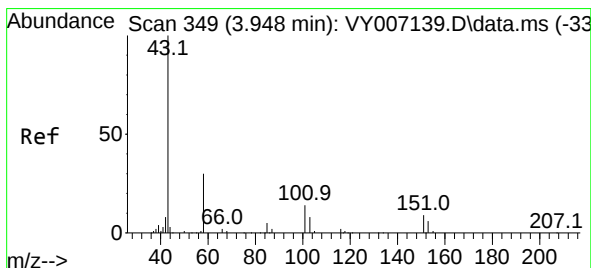
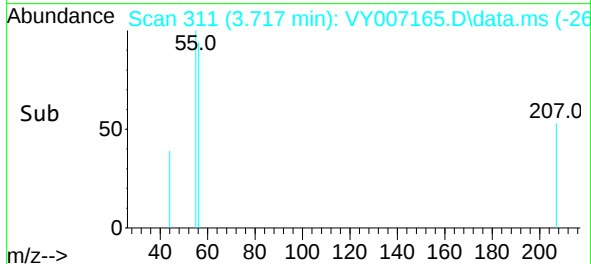
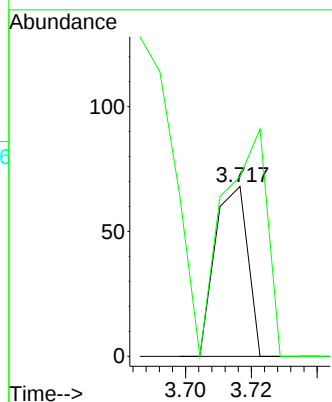


#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 314
Delta R.T. -0.017 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_Y
ClientSampleId :

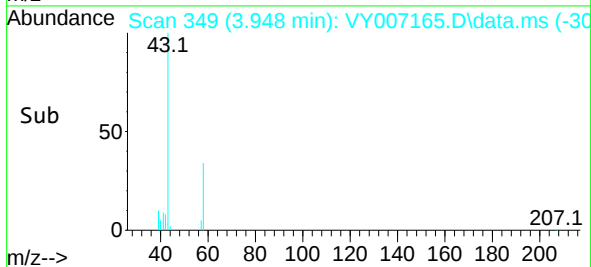
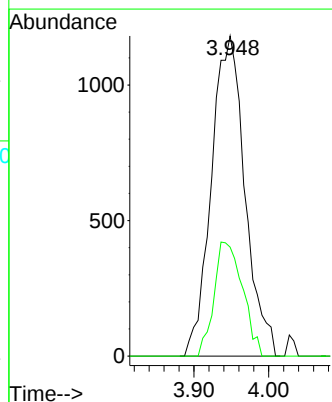
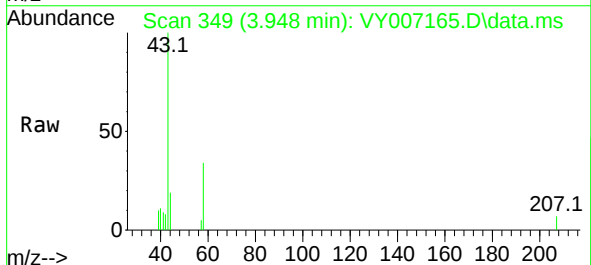


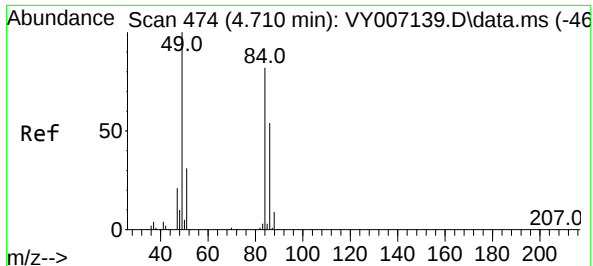
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 176.6 55.7 83.5#



#16
Acetone
Concen: 10.690 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 43 Resp: 3686
Ion Ratio Lower Upper
43 100
58 34.0 23.8 35.6





#20

Methylene Chloride

Concen: 7.579 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

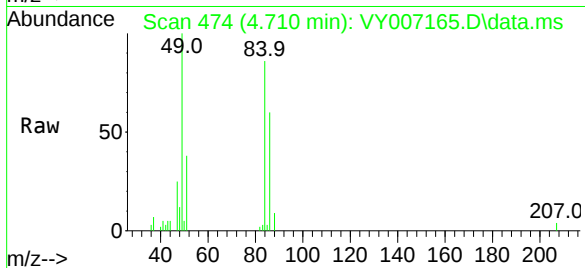
Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 10806

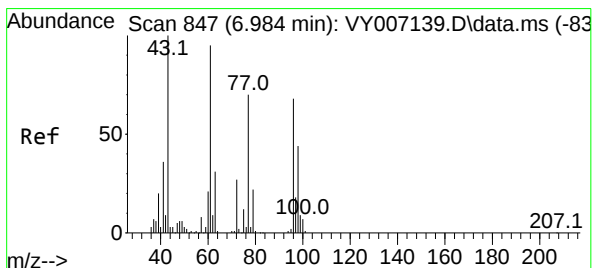
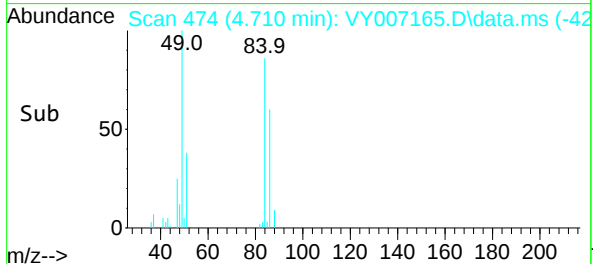
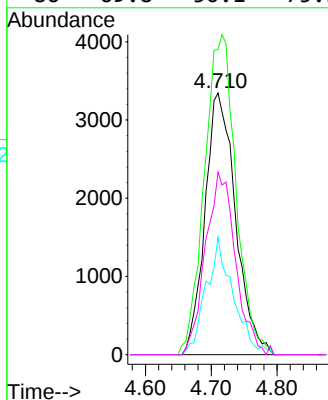
Ion Ratio Lower Upper

84 100

49 116.7 92.6 139.0

51 44.8 28.6 42.8#

86 69.8 50.1 75.1



#25

2-Butanone

Concen: 1.198 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY007165.D

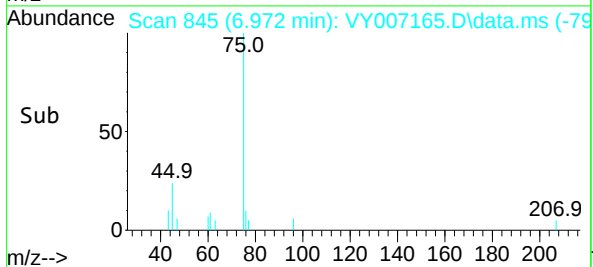
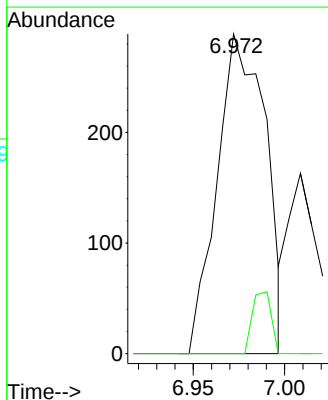
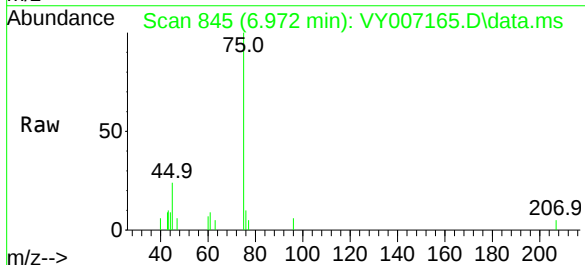
Acq: 14 Jan 2022 13:47

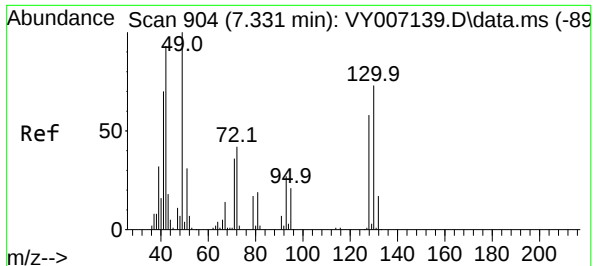
Tgt Ion: 43 Resp: 534

Ion Ratio Lower Upper

43 100

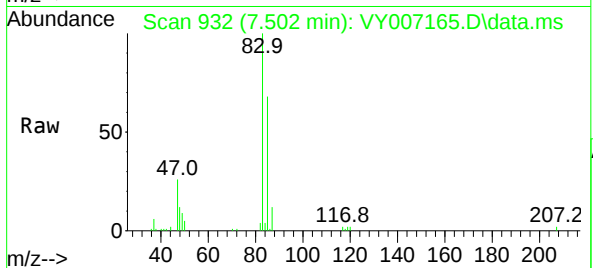
72 0.0 21.9 32.9#



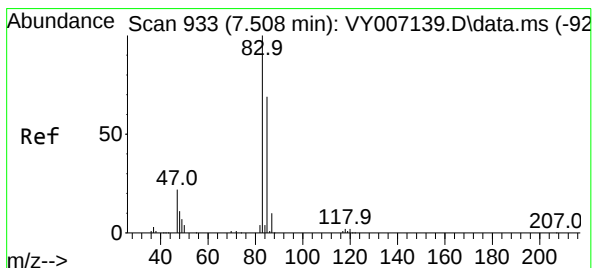
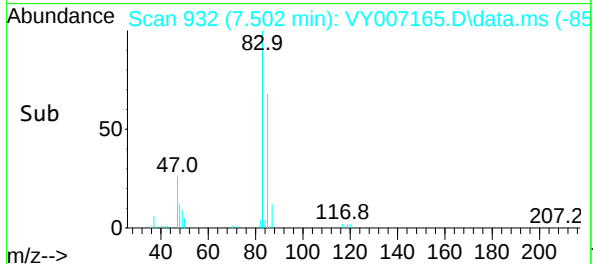
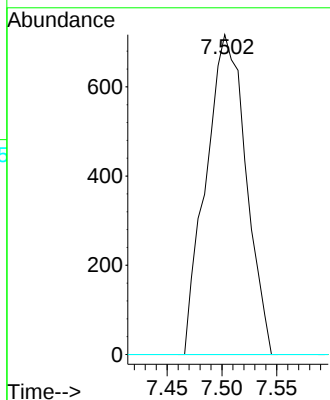


#28
Bromochloromethane
Concen: 2.082 ug/l
RT: 7.502 min Scan# 91
Delta R.T. 0.171 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_Y
ClientSampleId :

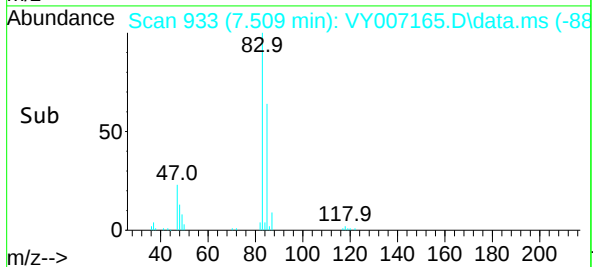
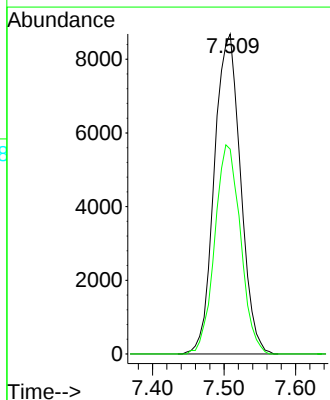
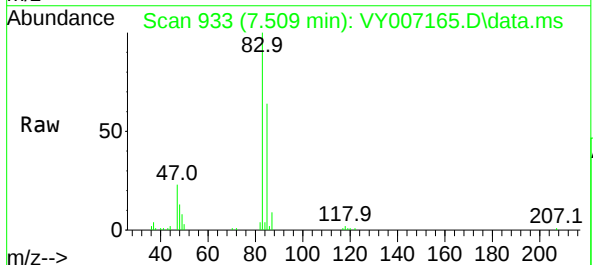


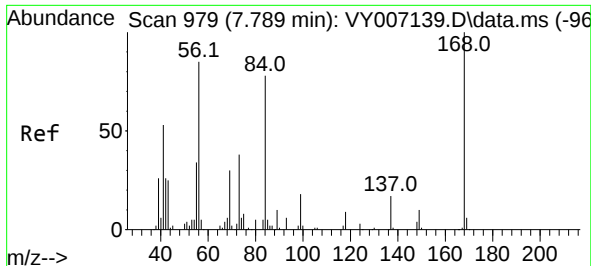
Tgt Ion: 49 Resp: 1823
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.6
130 0.0 65.0 97.4#



#30
Chloroform
Concen: 8.788 ug/l
RT: 7.509 min Scan# 933
Delta R.T. 0.000 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

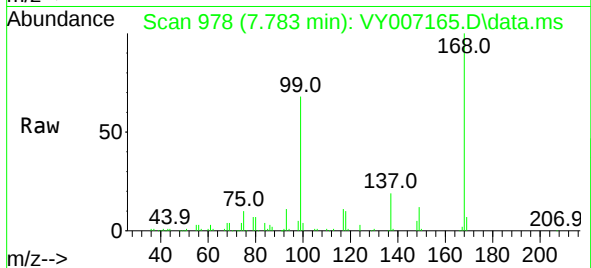
Tgt Ion: 83 Resp: 22106
Ion Ratio Lower Upper
83 100
85 64.0 50.9 76.3



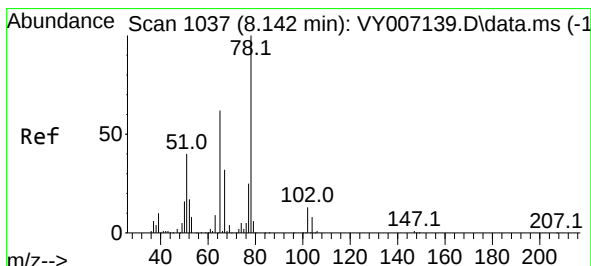
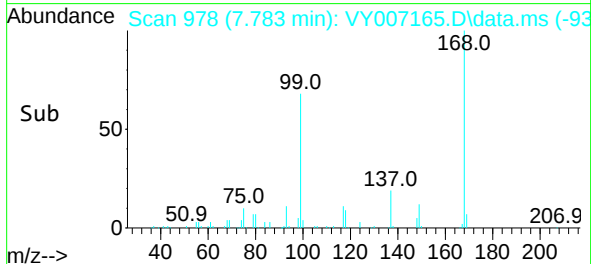
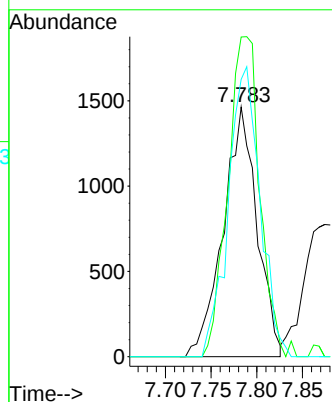


#31
Cyclohexane
Concen: 1.676 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_Y
ClientSampleId :

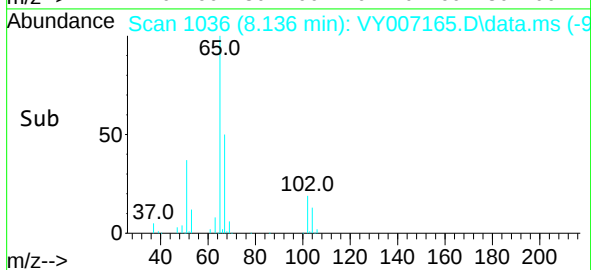
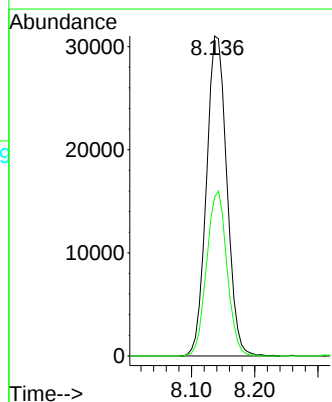
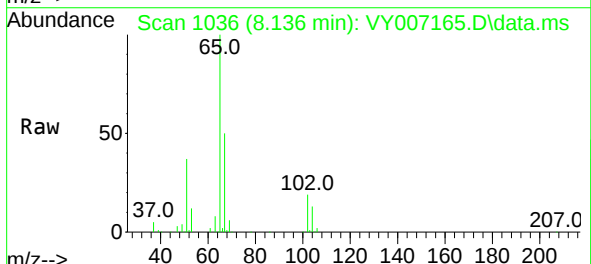


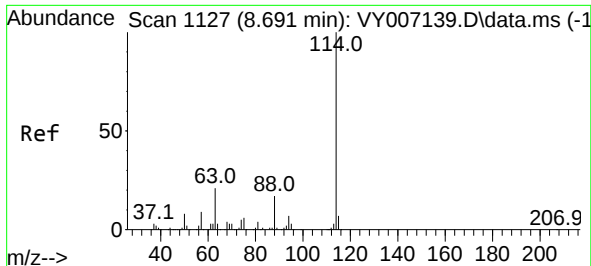
Tgt Ion: 56 Resp: 3765
Ion Ratio Lower Upper
56 100
69 128.1 27.2 40.8#
84 111.1 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 52.434 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

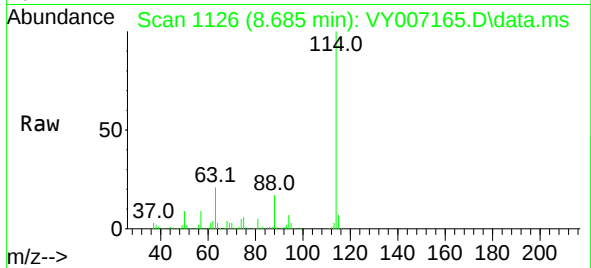
Tgt Ion: 65 Resp: 69664
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.6



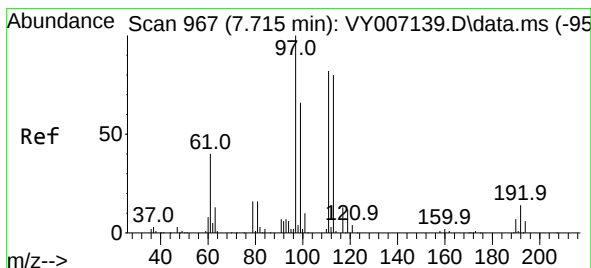
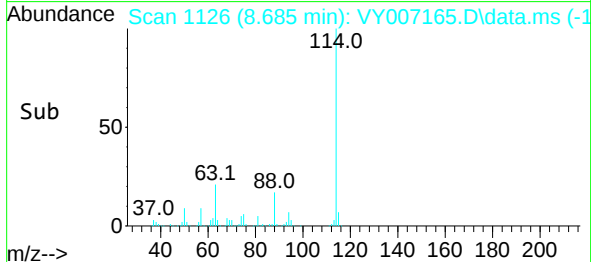
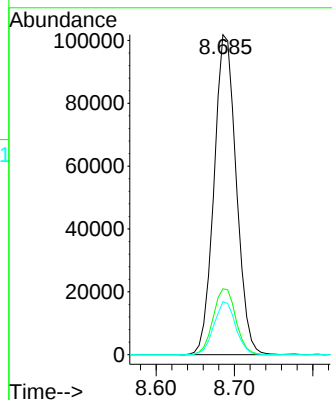


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Instrument :
MSVOA_Y
ClientSampleId :

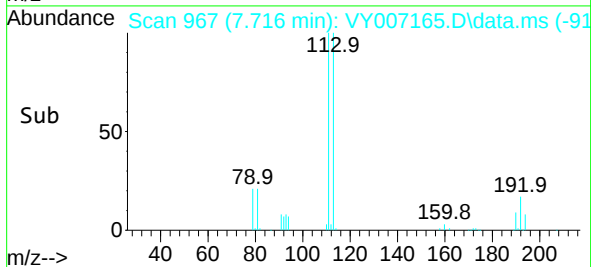
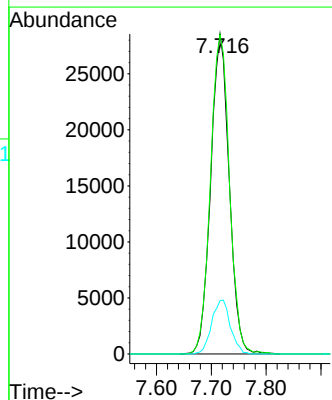
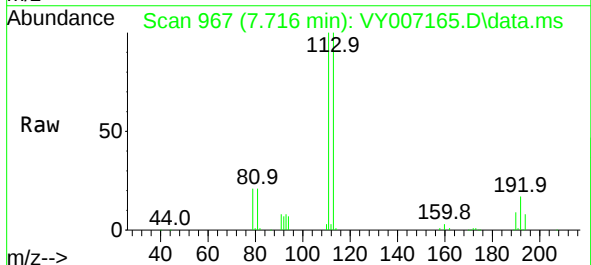


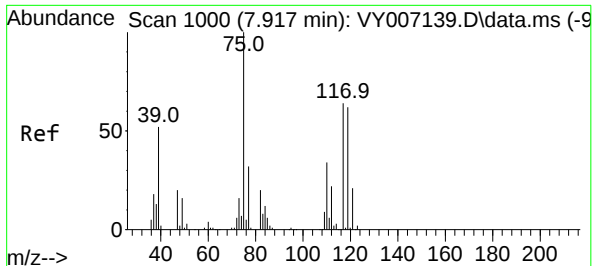
Tgt Ion:114 Resp: 200893
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.2
88 16.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 49.158 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Tgt Ion:113 Resp: 66777
Ion Ratio Lower Upper
113 100
111 102.7 82.2 123.4
192 17.0 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.401 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

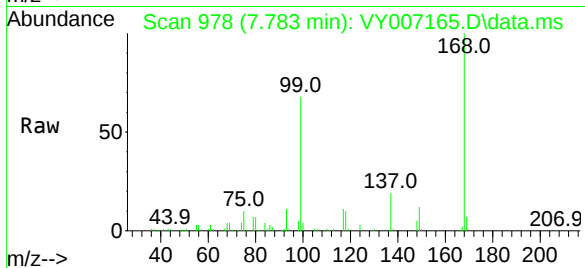
Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

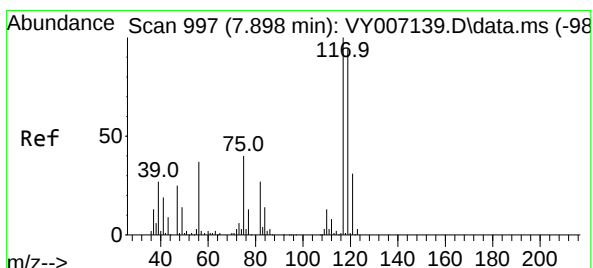
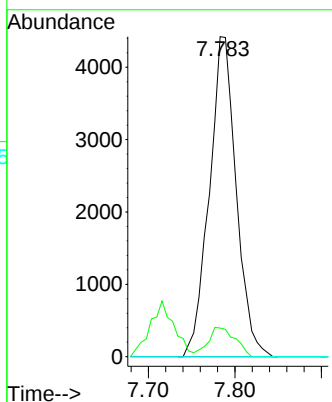
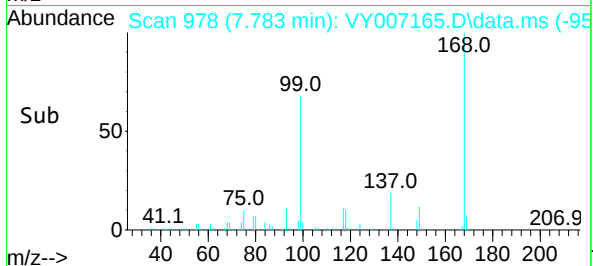
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp:	9549
Ion Ratio	Lower	Upper
75	100	
110	9.2	17.3 51.9#
77	0.0	24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.195 ug/l

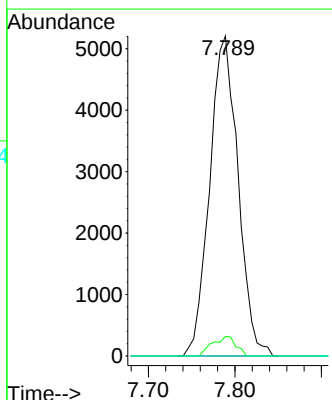
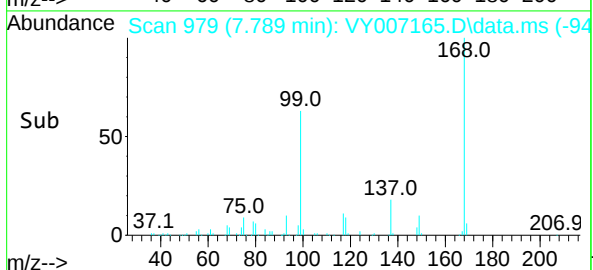
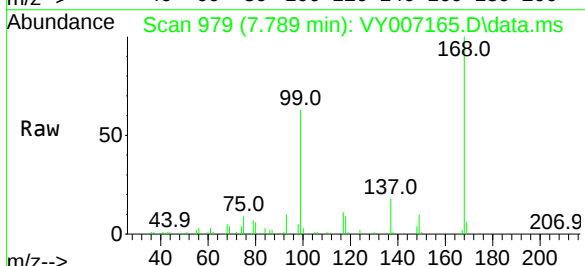
RT: 7.789 min Scan# 979

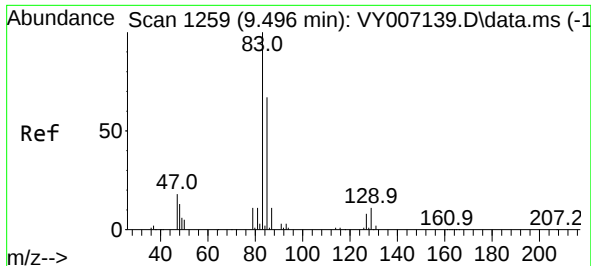
Delta R.T. -0.109 min

Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Tgt Ion: 117	Resp:	11856
Ion Ratio	Lower	Upper
117	100	
119	6.1	77.2 115.8#
121	0.0	24.2 36.2#

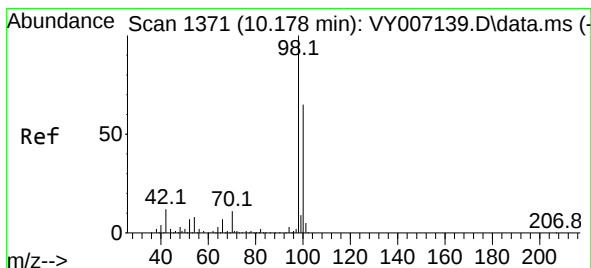
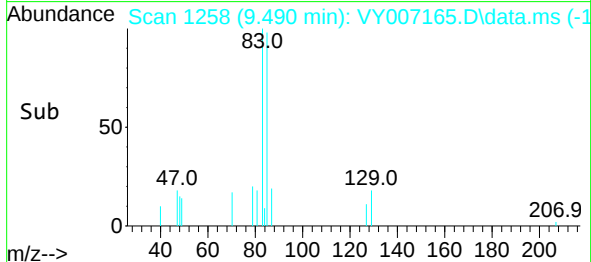
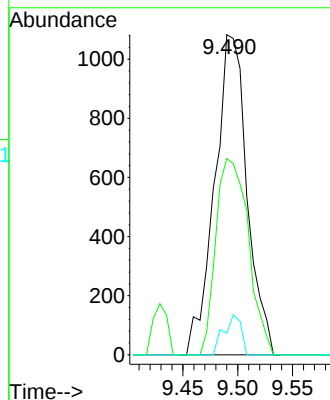
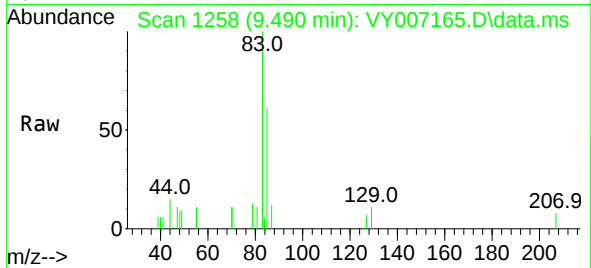




#47
Bromodichloromethane
Concen: 1.042 ug/l
RT: 9.490 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

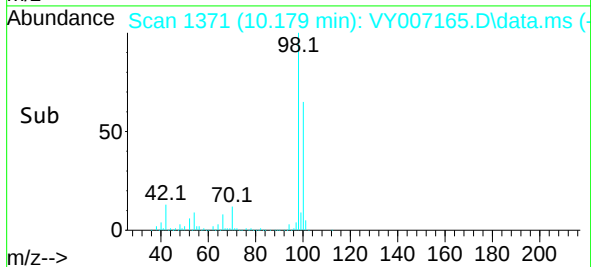
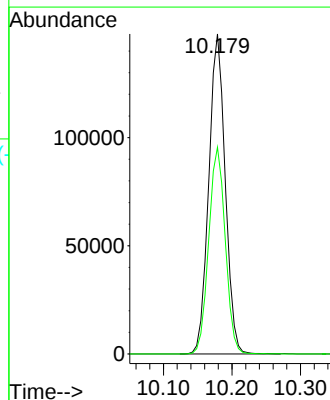
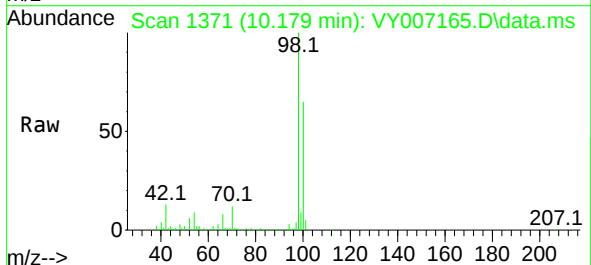
Instrument :
MSVOA_Y
ClientSampleId :

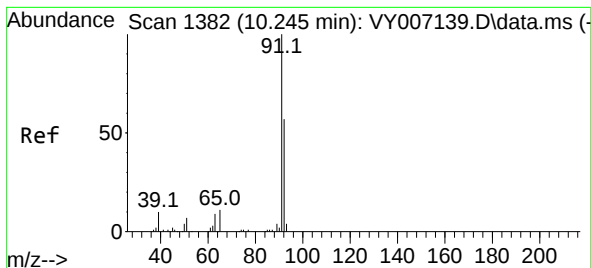
Tgt Ion: 83 Resp: 2230
Ion Ratio Lower Upper
83 100
85 61.3 51.4 77.2
127 6.7 6.5 9.7



#50
Toluene-d8
Concen: 49.753 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 98 Resp: 246952
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2





#52

Toluene

Concen: 1.695 ug/l

RT: 10.240 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Instrument :

MSVOA_Y

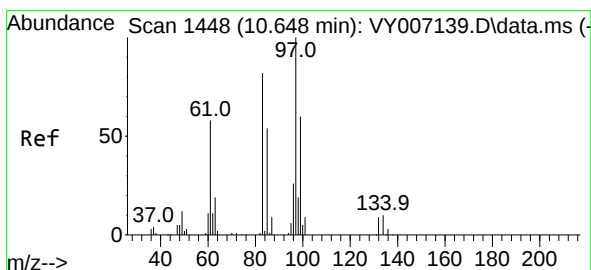
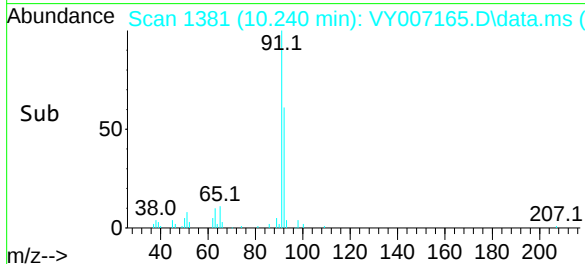
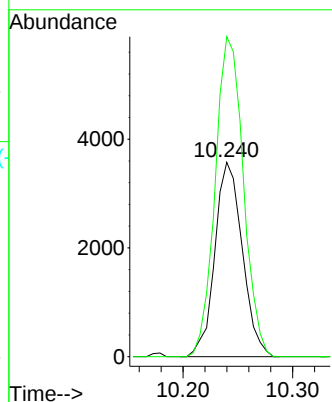
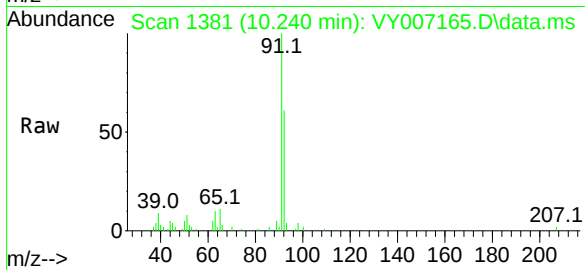
ClientSampleId :

Tgt Ion: 92 Resp: 6219

Ion Ratio Lower Upper

92 100

91 169.0 138.6 207.8



#55

1,1,2-Trichloroethane

Concen: 2.008 ug/l

RT: 10.612 min Scan# 1442

Delta R.T. -0.036 min

Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Tgt Ion: 97 Resp: 2370

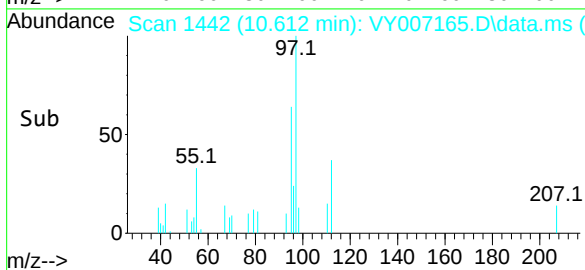
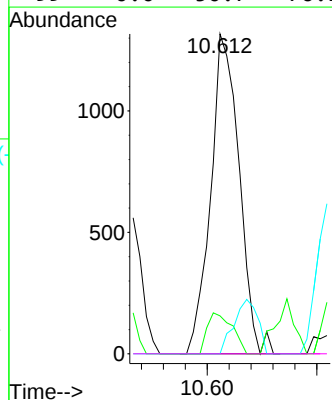
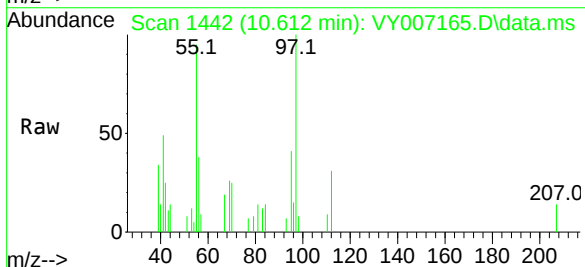
Ion Ratio Lower Upper

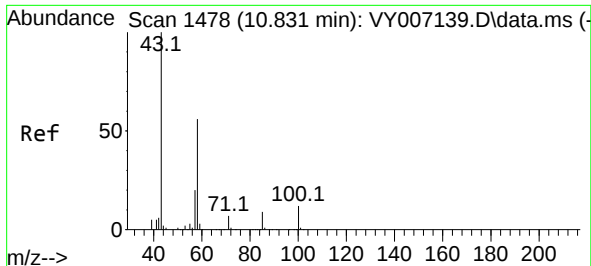
97 100

83 11.8 67.0 100.4#

85 0.0 41.2 61.8#

99 0.0 50.7 76.1#

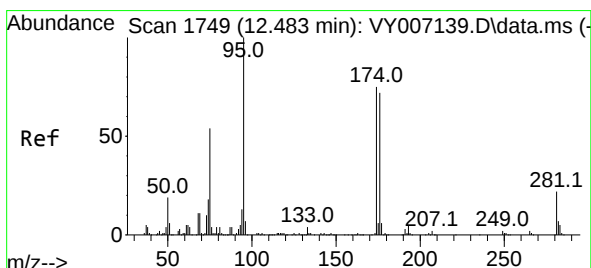
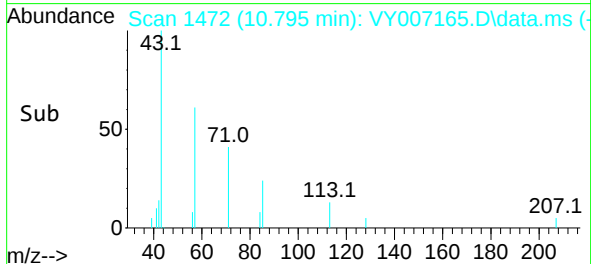
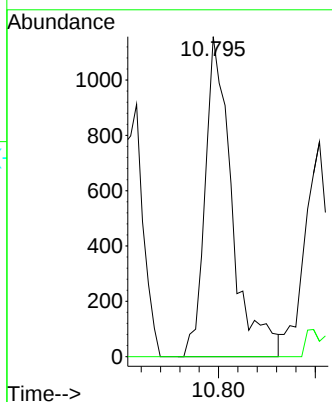
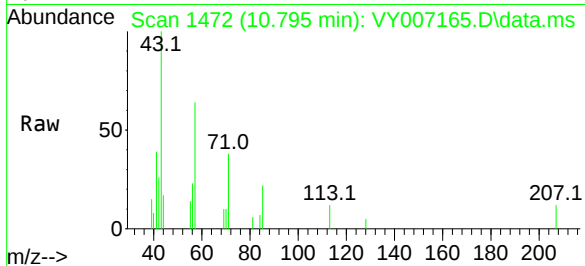




#59
2-Hexanone
Concen: 2.991 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.036 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

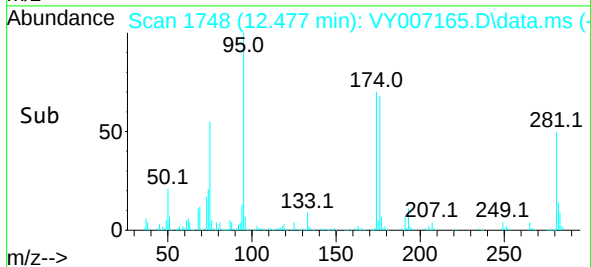
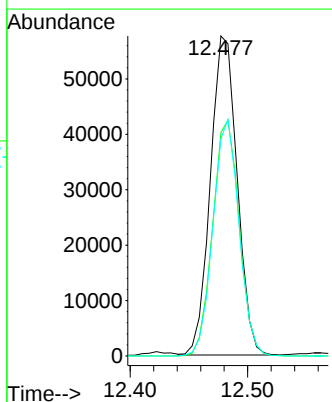
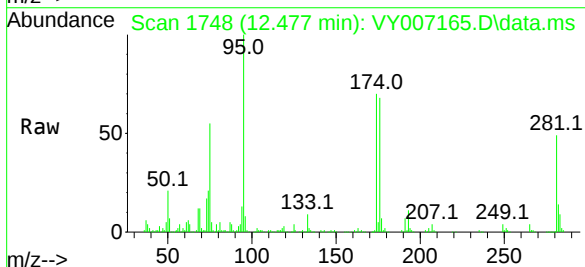
Instrument :
MSVOA_Y
ClientSampleId :

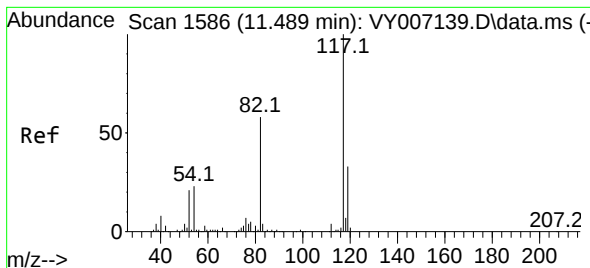
Tgt Ion: 43 Resp: 2230
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 51.606 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 95 Resp: 91117
Ion Ratio Lower Upper
95 100
174 73.5 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

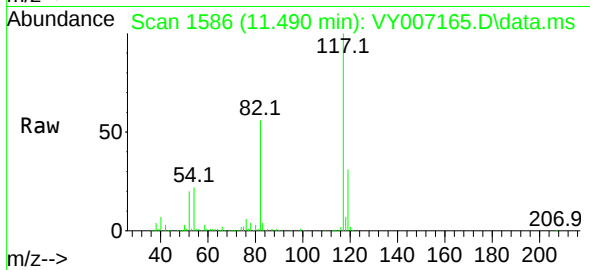
Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Instrument :

MSVOA_Y

ClientSampleId :



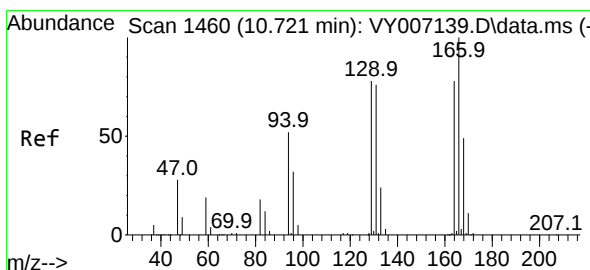
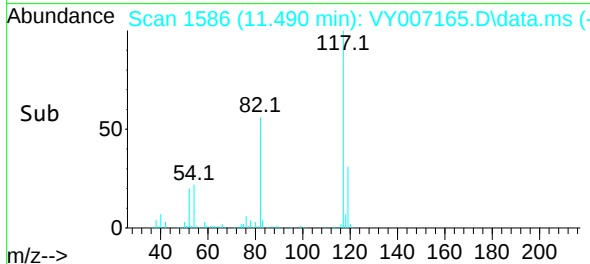
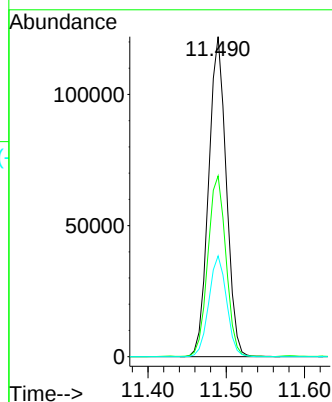
Tgt Ion:117 Resp: 190971

Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.0

119 31.5 26.4 39.6



#64

Tetrachloroethene

Concen: 4.307 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Tgt Ion:164 Resp: 5928

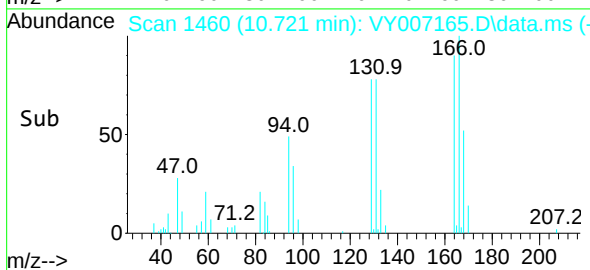
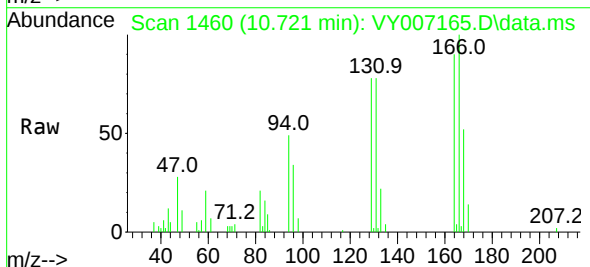
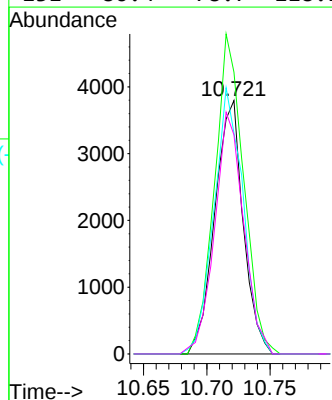
Ion Ratio Lower Upper

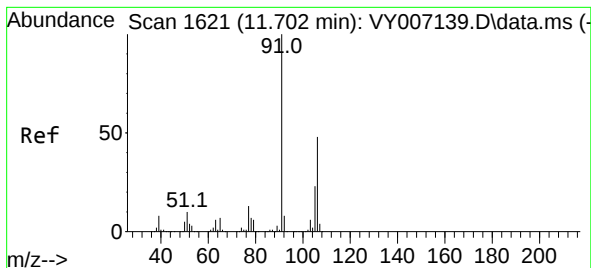
164 100

166 111.2 102.6 154.0

129 87.1 84.6 127.0

131 86.4 78.7 118.1





#68

m/p-Xylenes

Concen: 1.261 ug/l

RT: 11.697 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Instrument :

MSVOA_Y

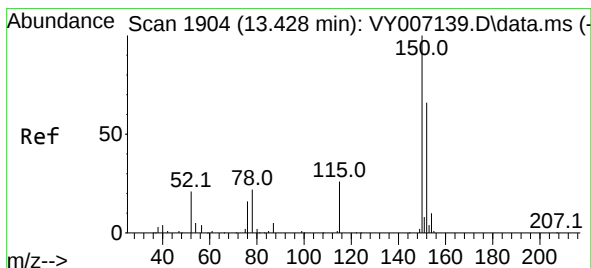
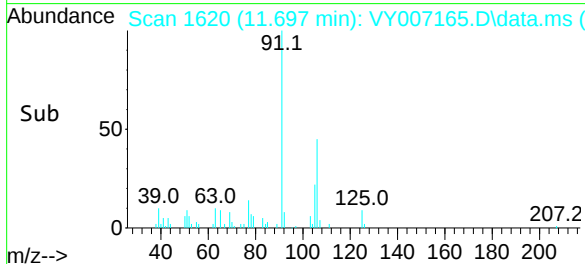
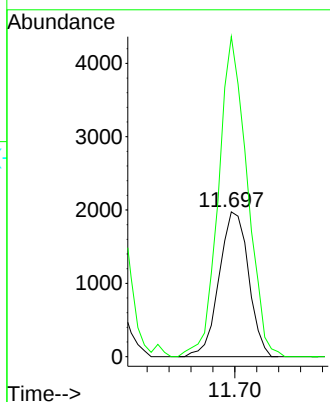
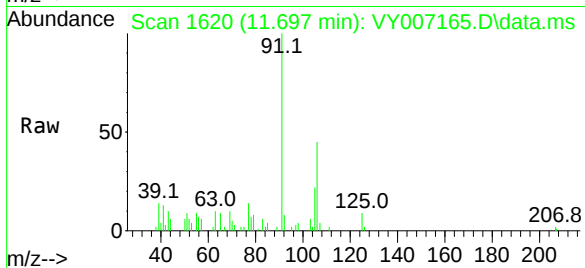
ClientSampleId :

Tgt Ion:106 Resp: 3677

Ion Ratio Lower Upper

106 100

91 215.9 167.1 250.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

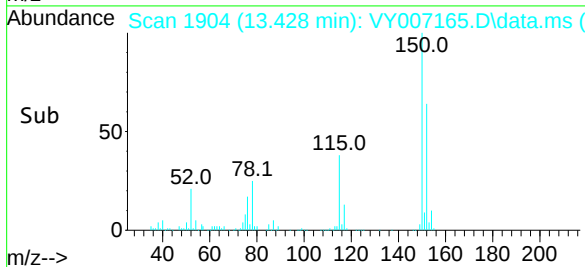
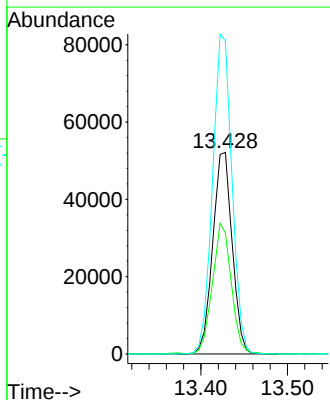
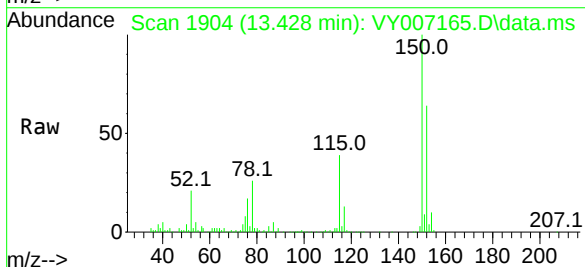
Tgt Ion:152 Resp: 81287

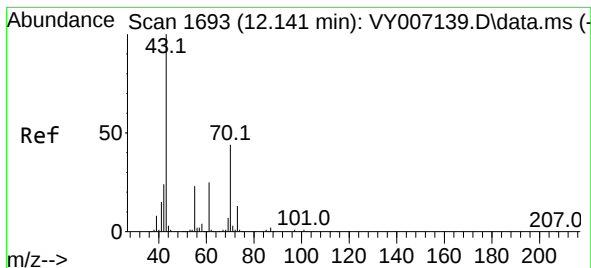
Ion Ratio Lower Upper

152 100

115 63.0 31.4 94.0

150 157.9 0.0 348.4





#74

N-amy1 acetate

Concen: 1.846 ug/l

RT: 12.124 min Scan# 1

Delta R.T. -0.018 min

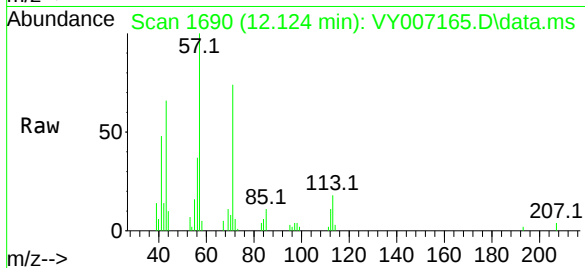
Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43 Resp: 3465

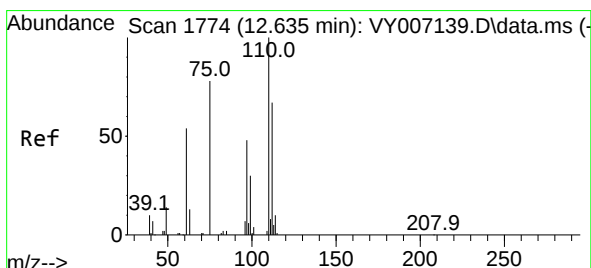
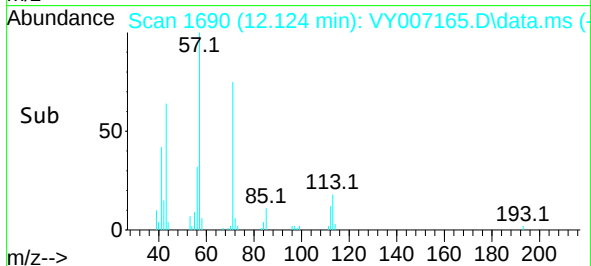
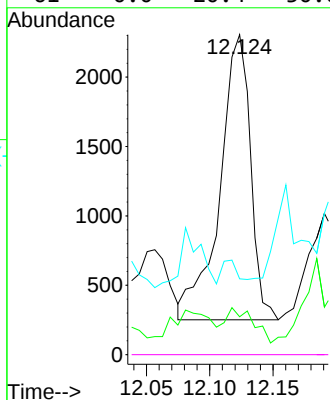
Ion Ratio Lower Upper

43 100

70 11.2 36.2 54.4#

55 7.0 19.0 28.4#

61 0.0 20.4 30.6#



#76

1,2,3-Trichloropropane

Concen: 55.248 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY007165.D

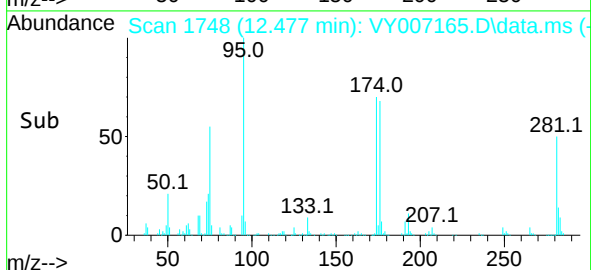
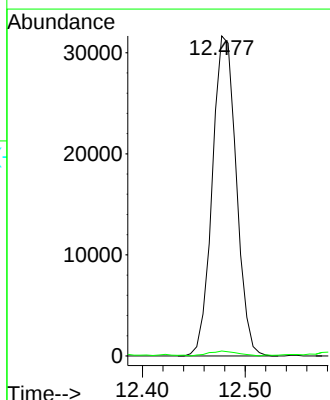
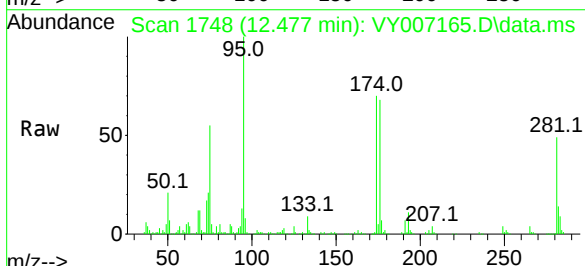
Acq: 14 Jan 2022 13:47

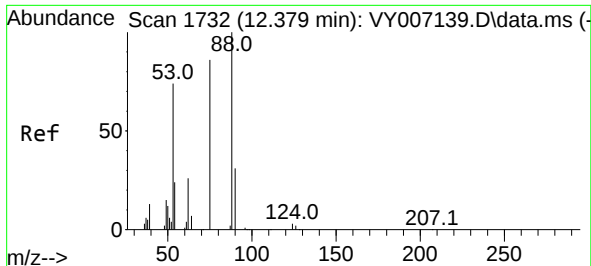
Tgt Ion: 75 Resp: 51209

Ion Ratio Lower Upper

75 100

77 1.9 0.0 0.0#

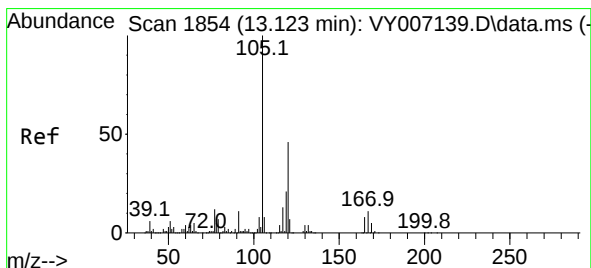
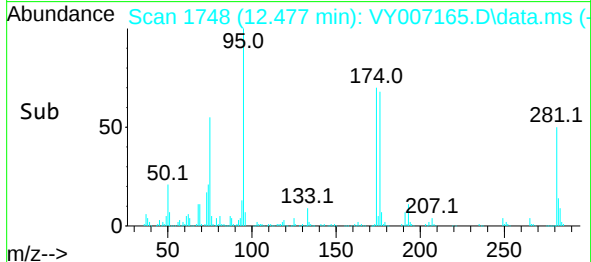
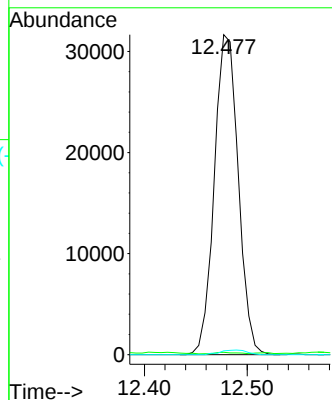
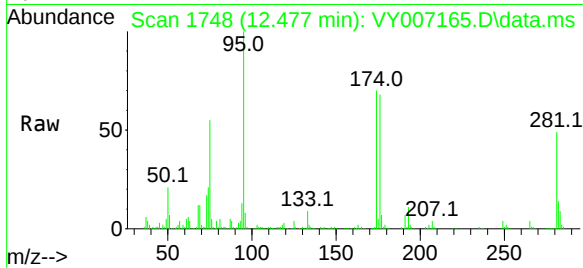




#81
trans-1,4-Dichloro-2-butene
Concen: 101.145 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

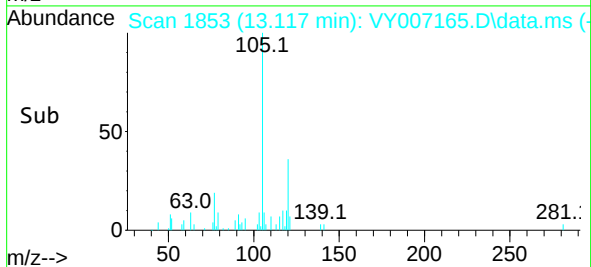
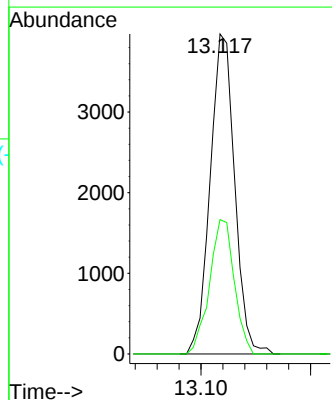
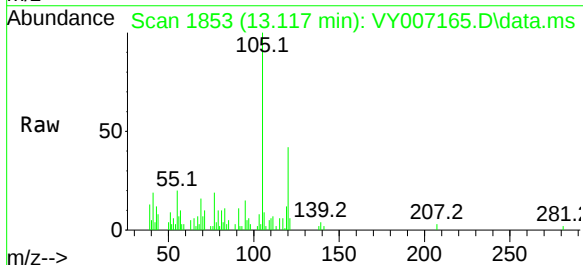
Instrument :
MSVOA_Y
ClientSampleId :

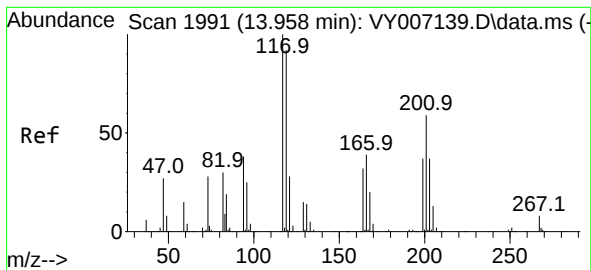
Tgt Ion: 75 Resp: 51209
Ion Ratio Lower Upper
75 100
53 0.4 73.9 110.9#
89 1.6 0.0 0.0#



#84
1,2,4-Trimethylbenzene
Concen: 1.078 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007165.D
Acq: 14 Jan 2022 13:47

Tgt Ion: 105 Resp: 6158
Ion Ratio Lower Upper
105 100
120 42.3 21.6 64.6





#90

Hexachloroethane

Concen: 1.872 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.013 min

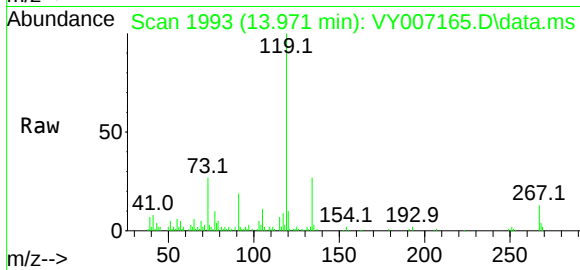
Lab File: VY007165.D

Acq: 14 Jan 2022 13:47

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117 Resp: 2241

Ion	Ratio	Lower	Upper
117	100		
201	0.0	33.6	100.6

