

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007175.D
 Acq On : 14 Jan 2022 18:40
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 05:00:19 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)

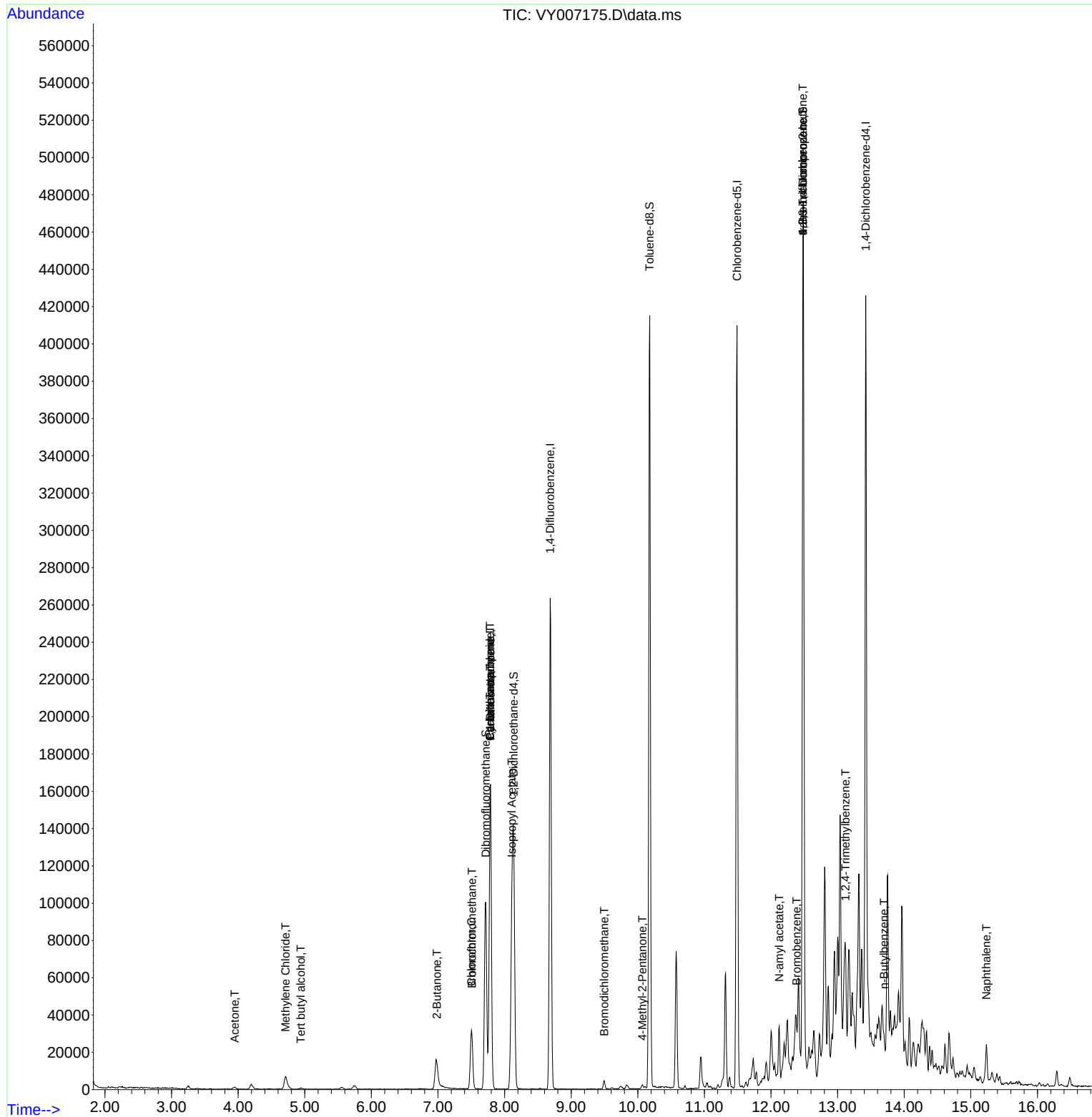
Internal Standards						
1) Pentafluorobenzene	7.789	168	122904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	221043	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	213509	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	94505	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	75909	50.336	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.680%	
35) Dibromofluoromethane	7.716	113	72865	48.750	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.500%	
50) Toluene-d8	10.179	98	270415	49.514	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 99.020%	
62) 4-Bromofluorobenzene	12.477	95	102663	52.845	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.700%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	1394	6.147	ug/l #	73
16) Acetone	3.948	43	2174	5.555	ug/l	96
20) Methylene Chloride	4.710	84	5274	3.259	ug/l #	81
25) 2-Butanone	6.984	43	1243	2.456	ug/l #	74
28) Bromochloromethane	7.509	49	2459	2.474	ug/l #	11
30) Chloroform	7.502	83	31611	11.071	ug/l	94
31) Cyclohexane	7.783	56	2795	1.096	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	10622	4.450	ug/l #	49
38) Carbon Tetrachloride	7.783	117	13476	5.367	ug/l #	16
43) Isopropyl Acetate	8.106	43	2567	1.077	ug/l #	11
47) Bromodichloromethane	9.496	83	3048	1.295	ug/l #	95
51) 4-Methyl-2-Pentanone	10.069	43	1636	1.354	ug/l	88
74) N-amyl acetate	12.124	43	5875	2.692	ug/l #	59
76) 1,2,3-Trichloropropane	12.477	75	57699	53.544	ug/l #	100
77) Bromobenzene	12.386	156	2875	1.619	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.477	75	57699	98.024	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.117	105	23290	3.506	ug/l	99
89) n-Butylbenzene	13.696	91	7296	1.041	ug/l #	75
95) Naphthalene	15.233	128	15752	3.943	ug/l	99

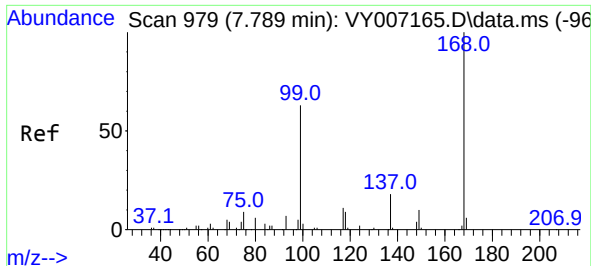
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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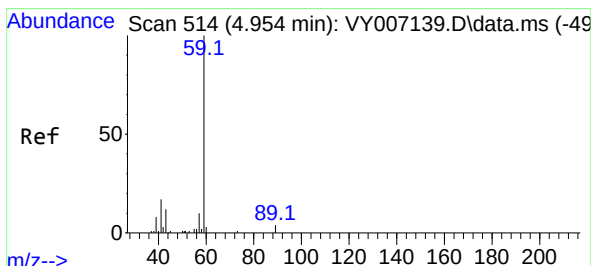
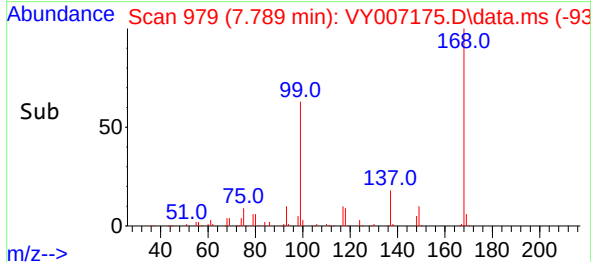
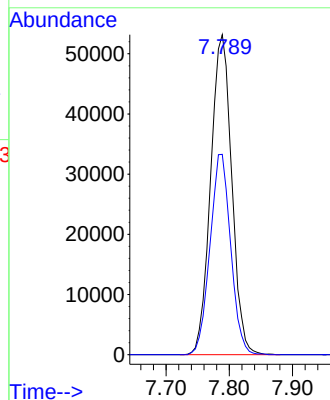
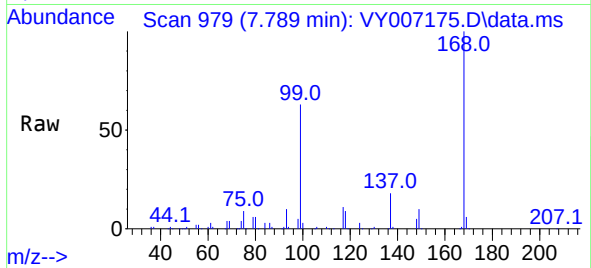




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

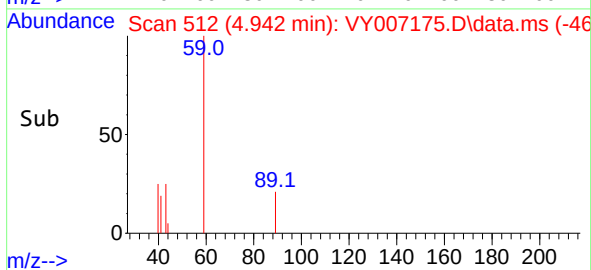
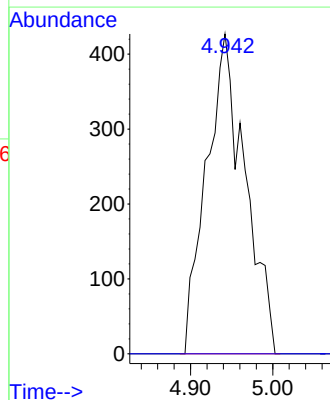
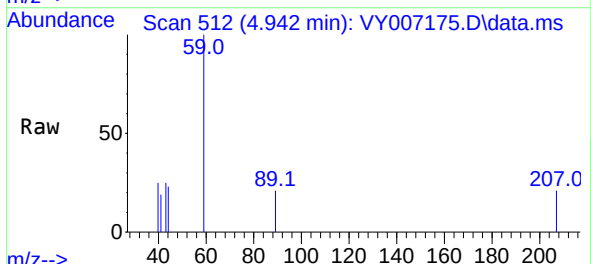
Instrument :
MSVOA_Y
ClientSampleId :

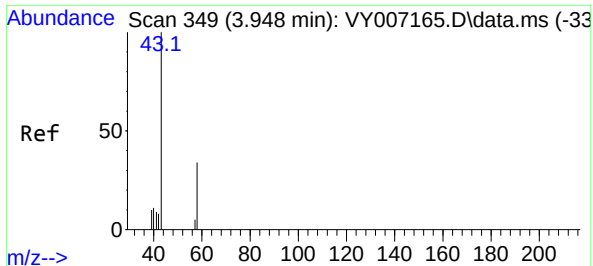
Tgt Ion:168 Resp: 122904
Ion Ratio Lower Upper
168 100
99 62.6 49.1 73.7



#11
Tert butyl alcohol
Concen: 6.147 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 59 Resp: 1394
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 5.555 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_Y

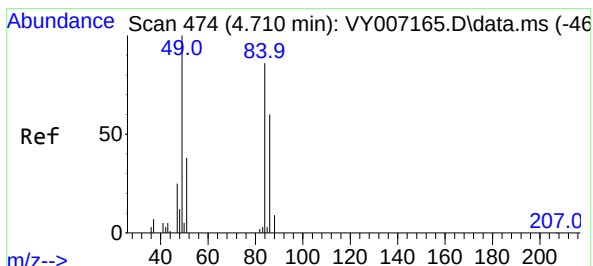
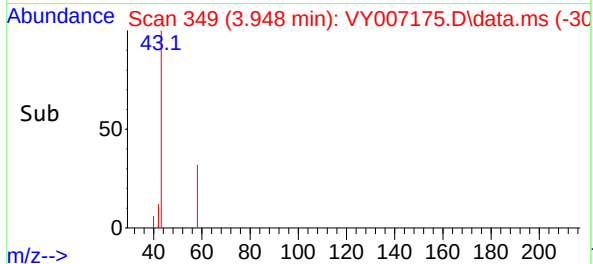
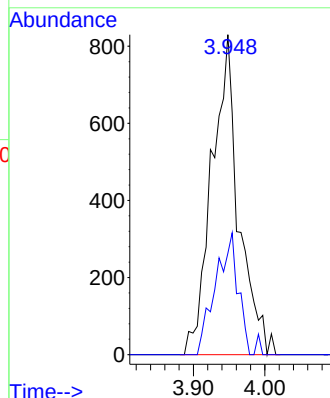
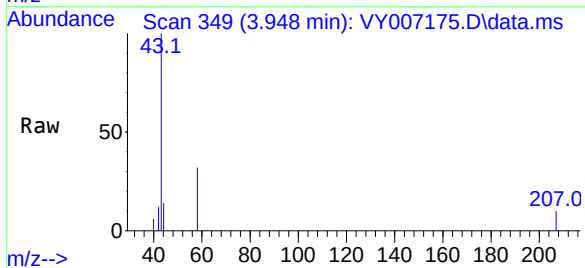
ClientSampleId :

Tgt Ion: 43 Resp: 2174

Ion Ratio Lower Upper

43 100

58 31.7 23.8 35.6



#20

Methylene Chloride

Concen: 3.259 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

Tgt Ion: 84 Resp: 5274

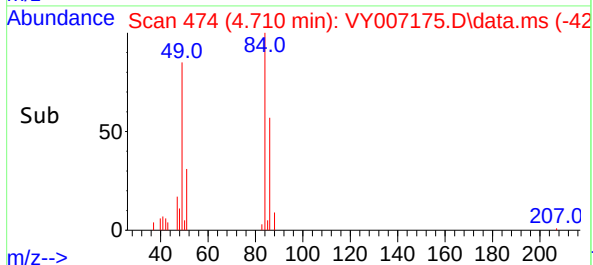
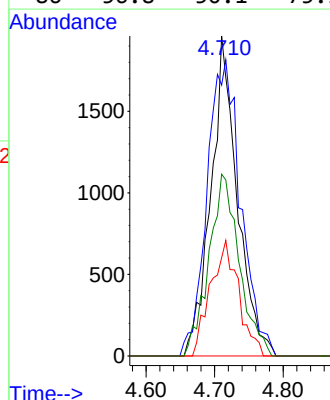
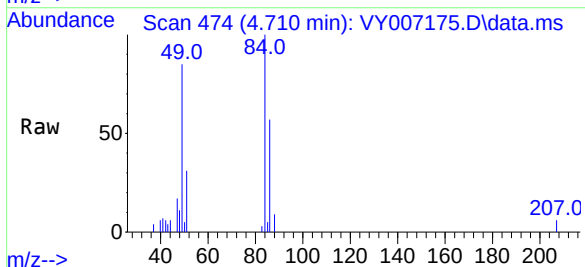
Ion Ratio Lower Upper

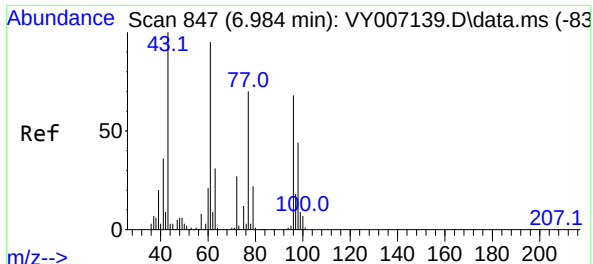
84 100

49 84.7 92.6 139.0#

51 30.7 28.6 42.8

86 56.8 50.1 75.1





#25

2-Butanone

Concen: 2.456 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

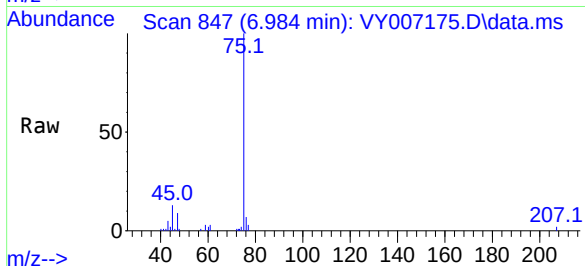
Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :

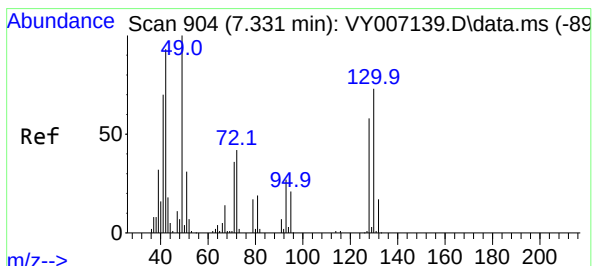
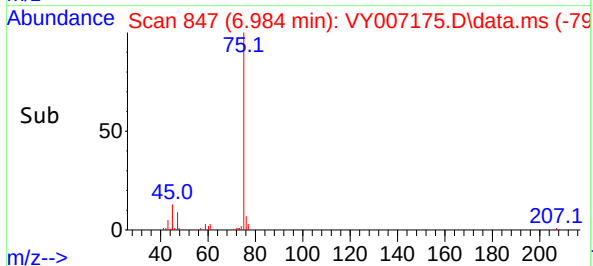
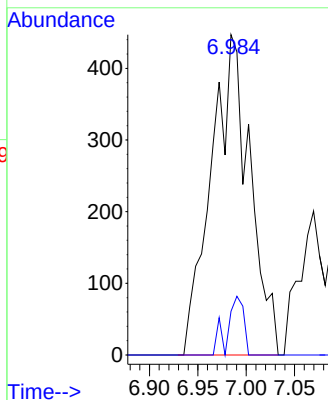


Tgt Ion: 43 Resp: 1243

Ion Ratio Lower Upper

43 100

72 13.6 21.9 32.9#



#28

Bromochloromethane

Concen: 2.474 ug/l

RT: 7.509 min Scan# 933

Delta R.T. 0.177 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

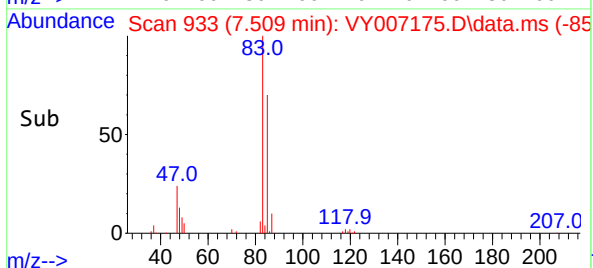
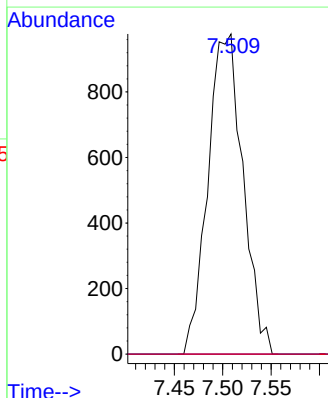
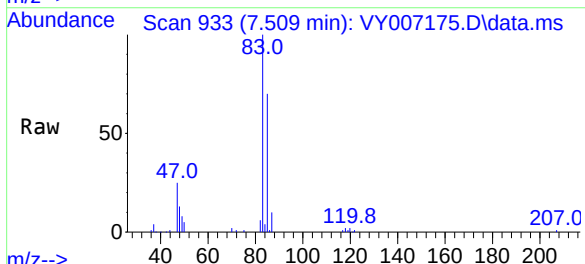
Tgt Ion: 49 Resp: 2459

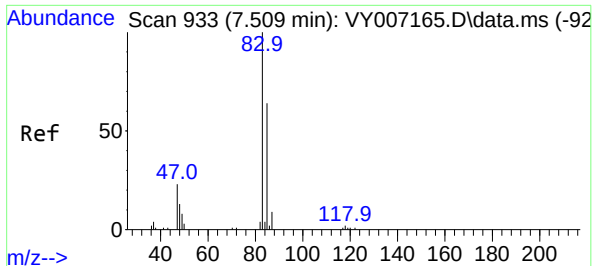
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 65.0 97.4#





#30

Chloroform

Concen: 11.071 ug/l

RT: 7.502 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_Y

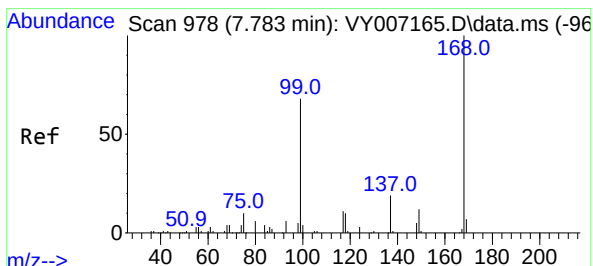
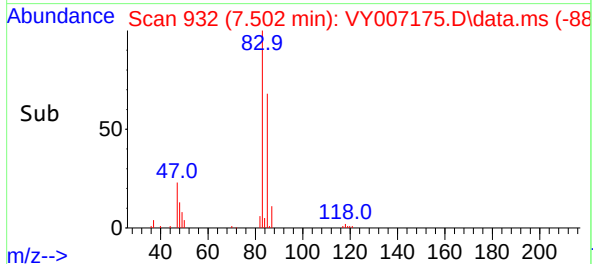
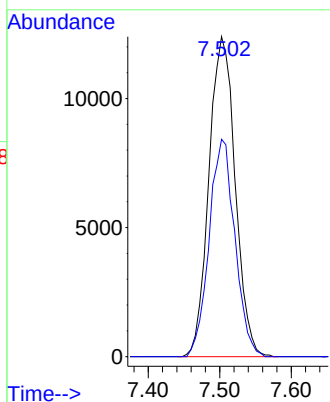
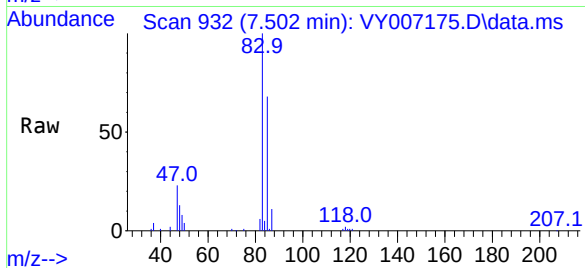
ClientSampleId :

Tgt Ion: 83 Resp: 31611

Ion Ratio Lower Upper

83 100

85 68.0 50.9 76.3



#31

Cyclohexane

Concen: 1.096 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

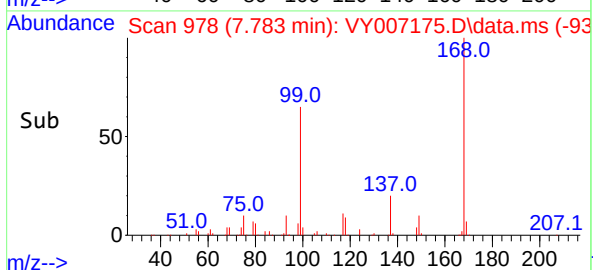
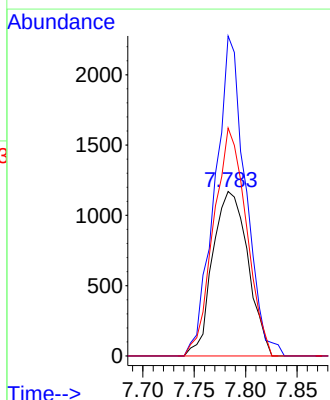
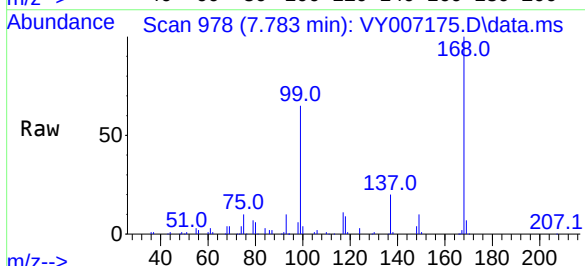
Tgt Ion: 56 Resp: 2795

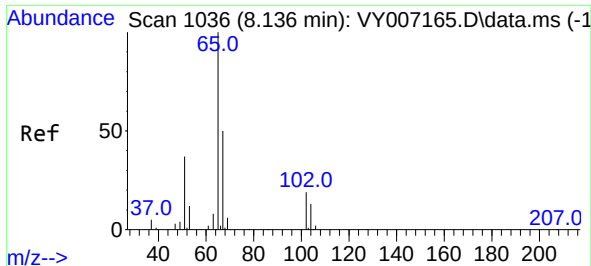
Ion Ratio Lower Upper

56 100

69 194.5 27.2 40.8#

84 138.6 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 50.336 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_Y

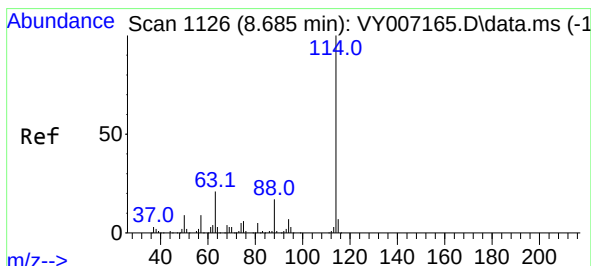
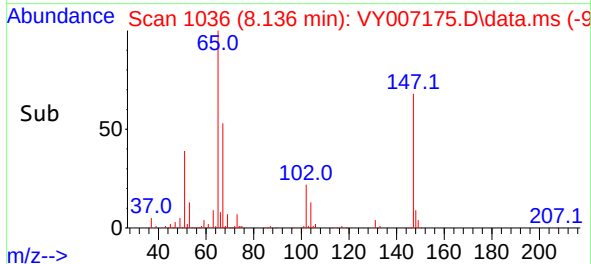
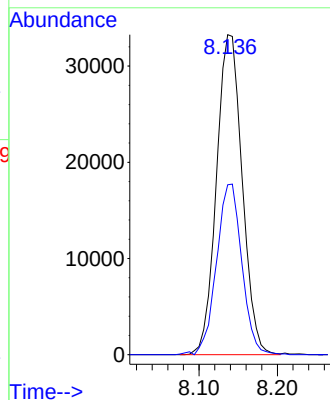
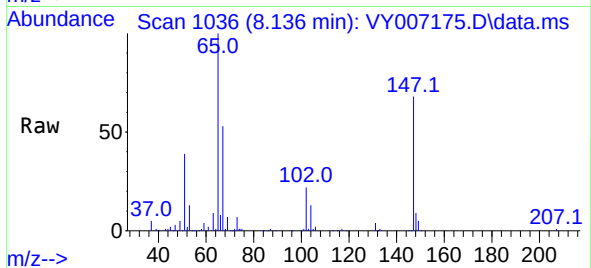
ClientSampleId :

Tgt Ion: 65 Resp: 75909

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

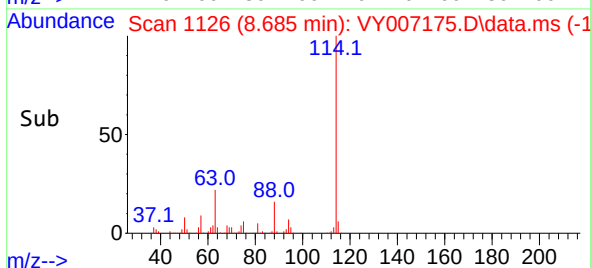
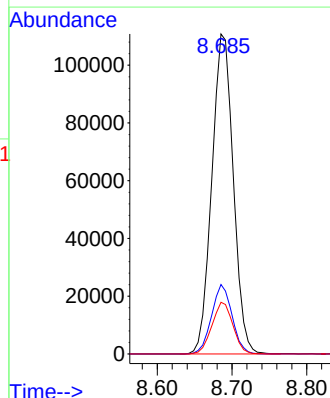
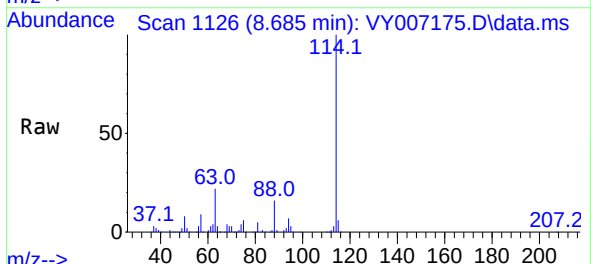
Tgt Ion: 114 Resp: 221043

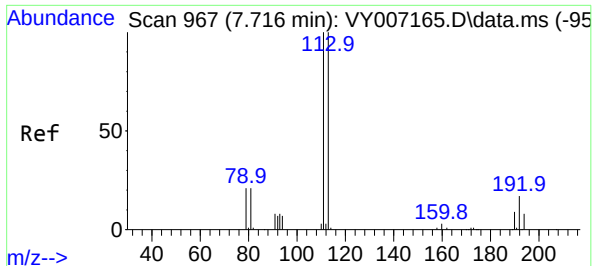
Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.2

88 16.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 48.750 ug/l

RT: 7.716 min Scan# 9

Delta R.T. 0.000 min

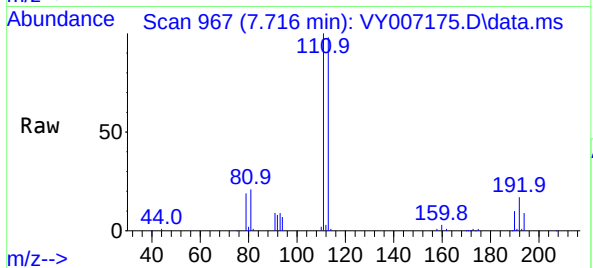
Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

Instrument :

MSVOA_Y

ClientSampleId :



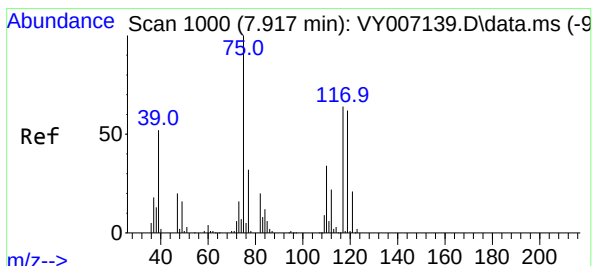
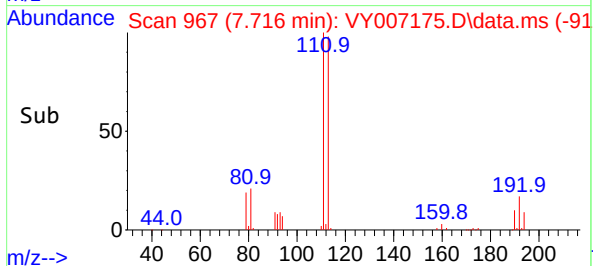
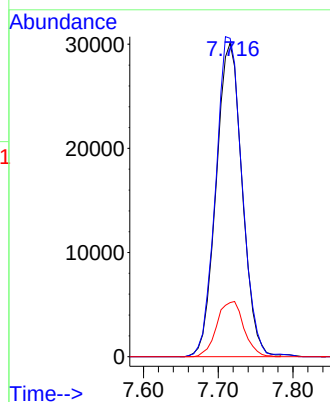
Tgt Ion:113 Resp: 72865

Ion Ratio Lower Upper

113 100

111 103.5 82.2 123.4

192 18.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.450 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY007175.D

Acq: 14 Jan 2022 18:40

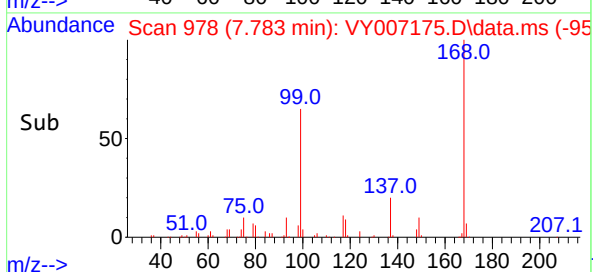
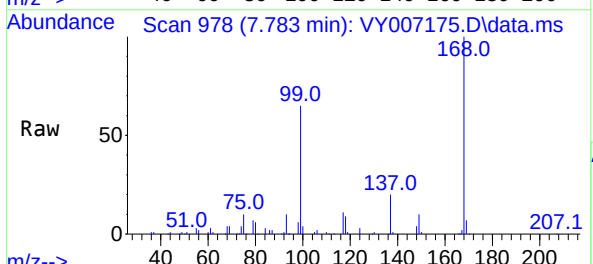
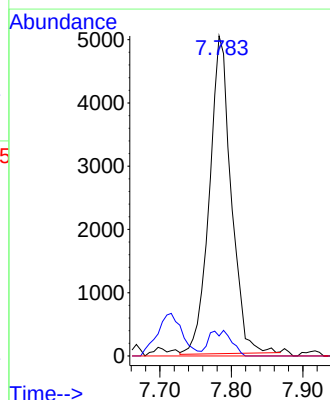
Tgt Ion: 75 Resp: 10622

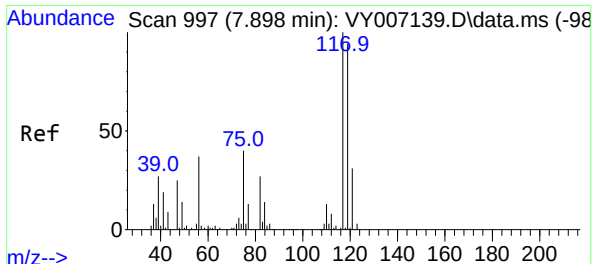
Ion Ratio Lower Upper

75 100

110 8.2 17.3 51.9#

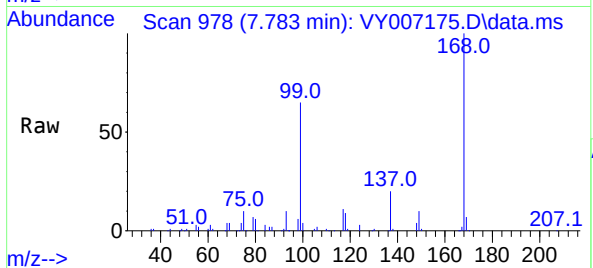
77 0.0 24.7 37.1#



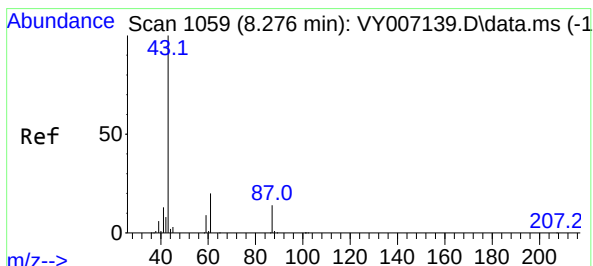
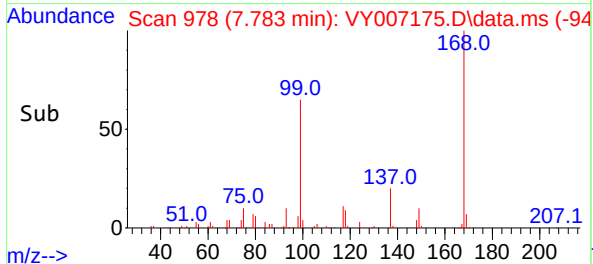
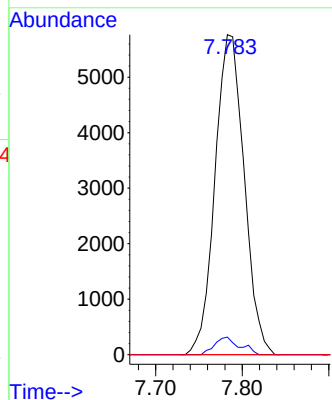


#38
Carbon Tetrachloride
Concen: 5.367 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.115 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Instrument :
MSVOA_Y
ClientSampleId :

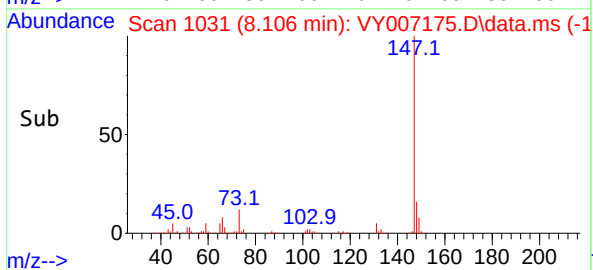
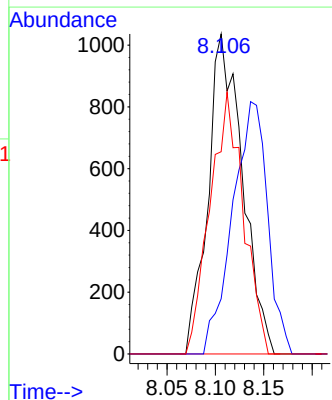
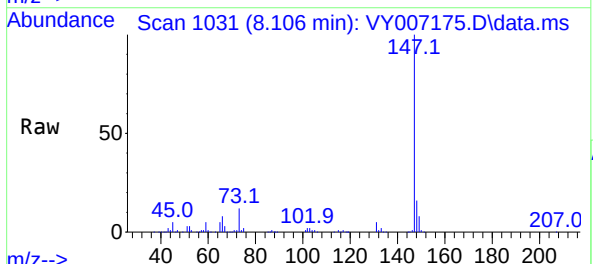


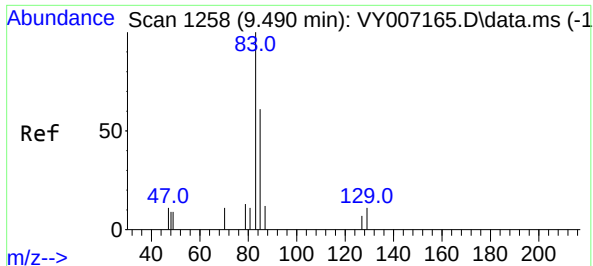
Tgt Ion:117 Resp: 13476
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 1.077 ug/l
RT: 8.106 min Scan# 1031
Delta R.T. -0.170 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 43 Resp: 2567
Ion Ratio Lower Upper
43 100
61 0.0 23.8 35.8#
87 79.2 11.6 17.4#

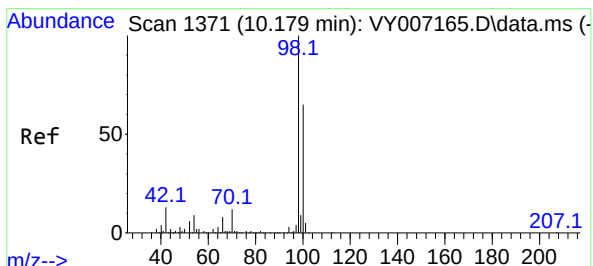
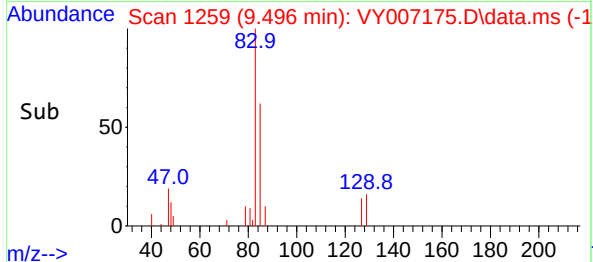
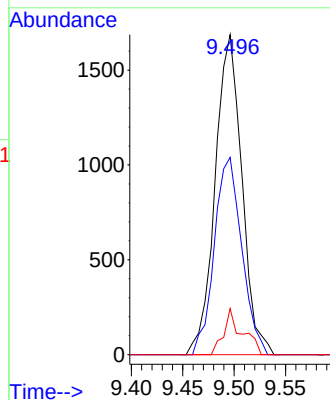
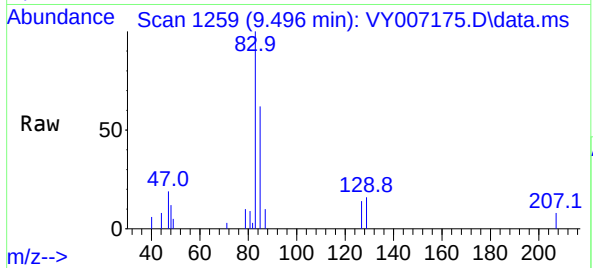




#47
Bromodichloromethane
Concen: 1.295 ug/l
RT: 9.496 min Scan# 1258
Delta R.T. 0.000 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

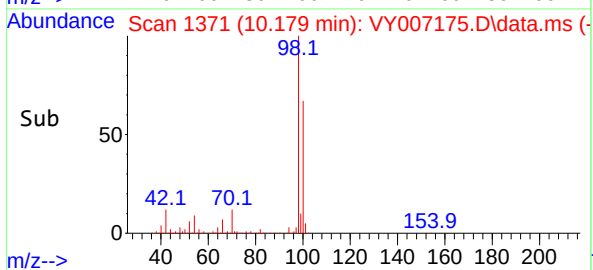
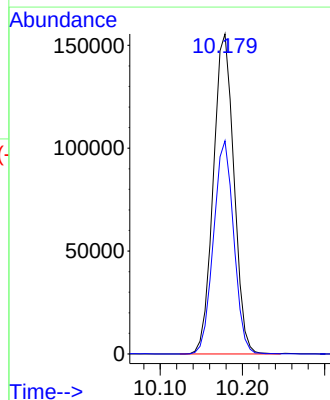
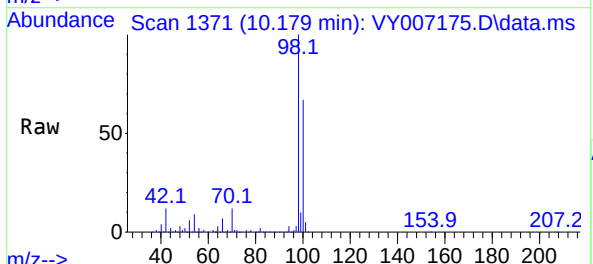
Instrument :
MSVOA_Y
ClientSampleId :

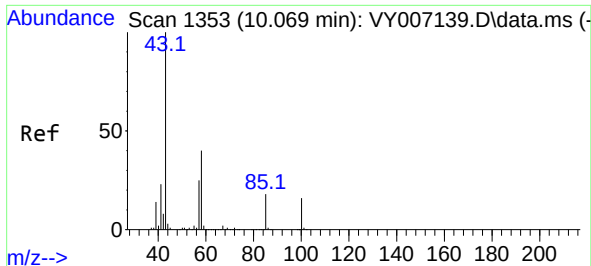
Tgt Ion: 83 Resp: 3048
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.2
127 14.4 6.5 9.7#



#50
Toluene-d8
Concen: 49.514 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 98 Resp: 270415
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2

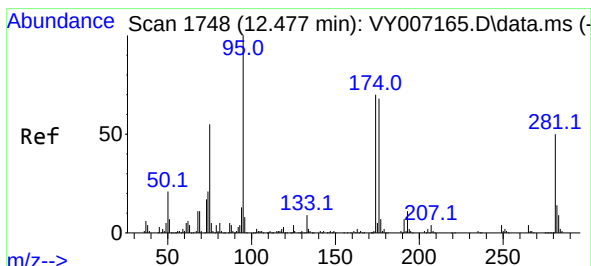
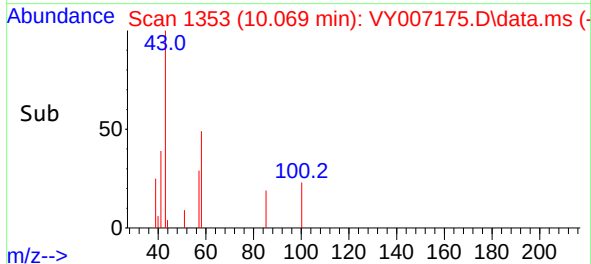
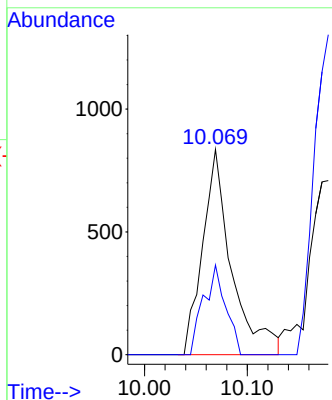
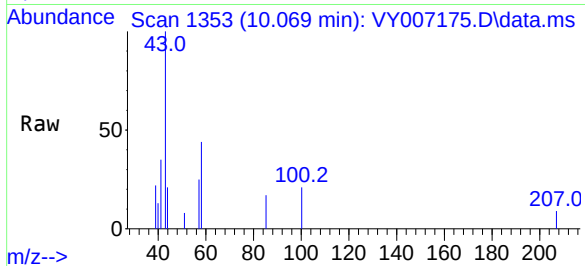




#51
4-Methyl-2-Pentanone
Concen: 1.354 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

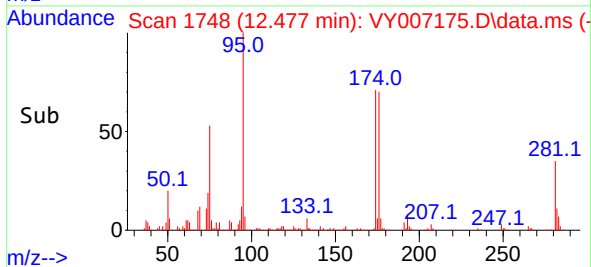
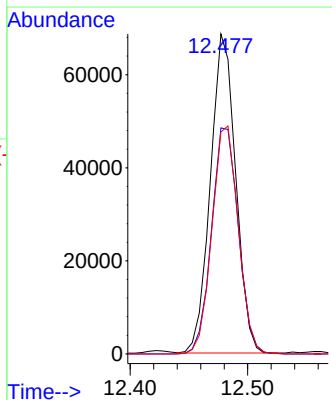
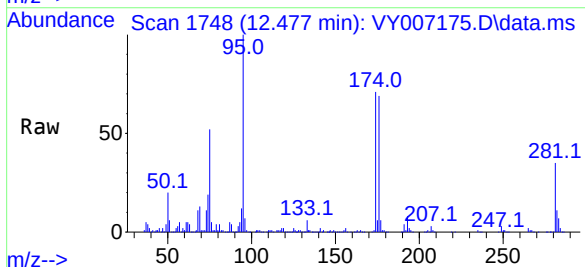
Instrument :
MSVOA_Y
ClientSampleId :

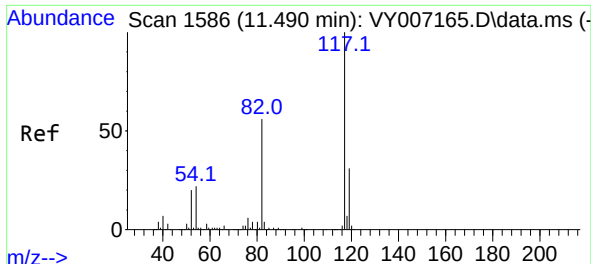
Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
58 33.5 32.8 49.2



#62
4-Bromofluorobenzene
Concen: 52.845 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

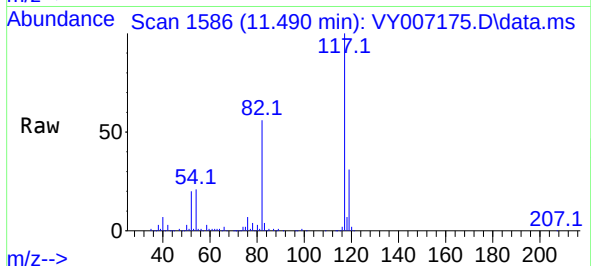
Tgt Ion: 95 Resp: 102663
Ion Ratio Lower Upper
95 100
174 75.1 0.0 148.4
176 74.2 0.0 146.6



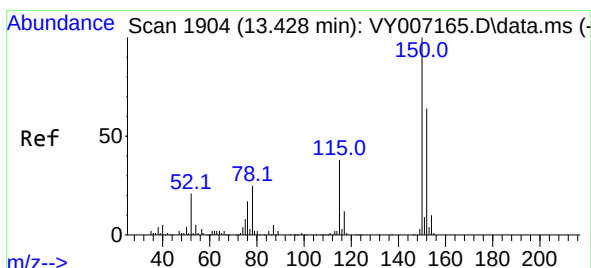
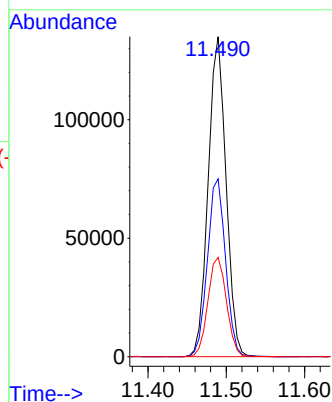
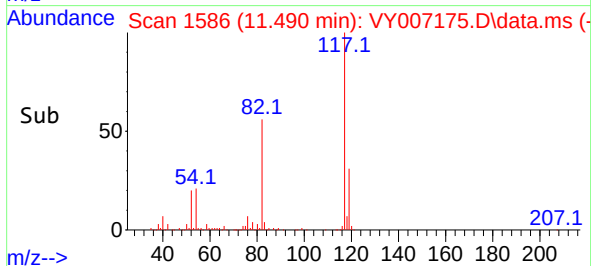


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

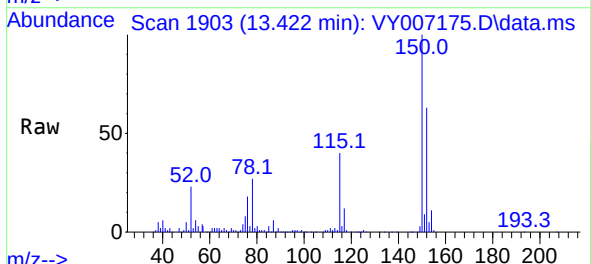
Instrument :
MSVOA_Y
ClientSampleId :



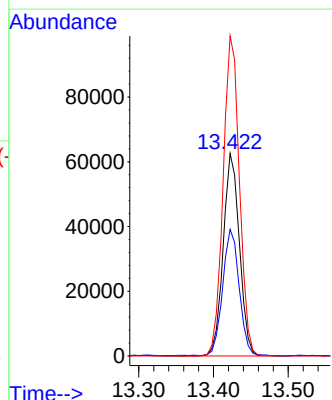
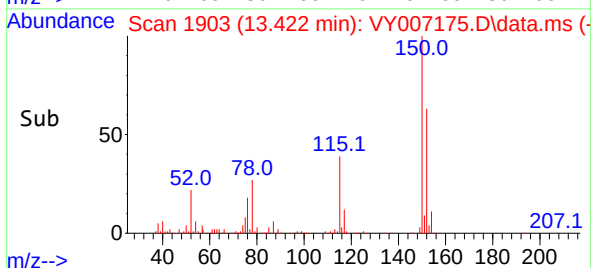
Tgt Ion:117 Resp: 213509
Ion Ratio Lower Upper
117 100
82 55.6 45.4 68.0
119 31.0 26.4 39.6

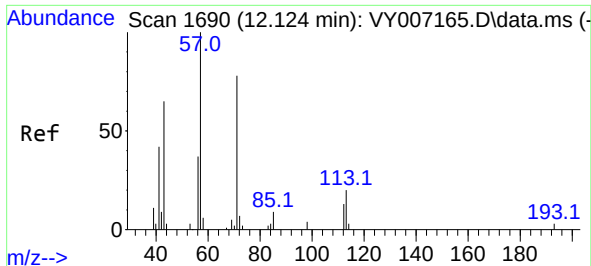


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40



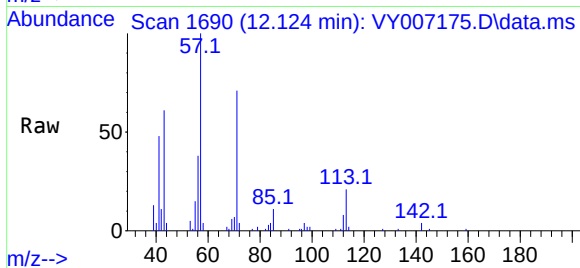
Tgt Ion:152 Resp: 94505
Ion Ratio Lower Upper
152 100
115 64.6 31.4 94.0
150 158.9 0.0 348.4



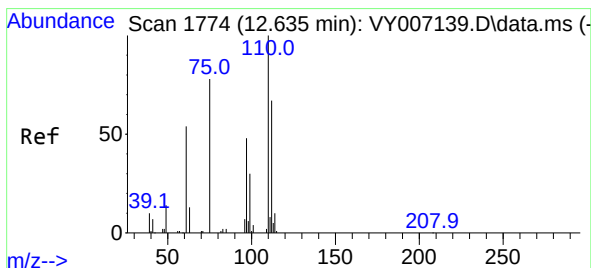
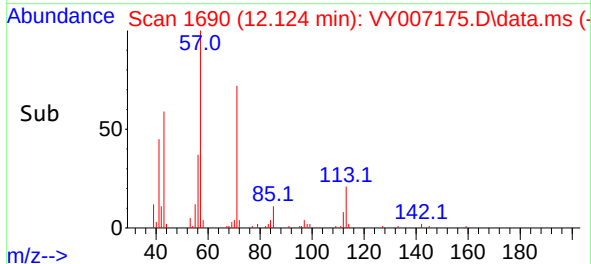
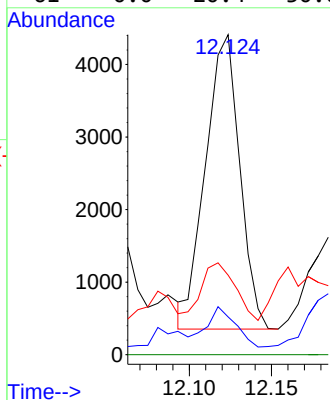


#74
N-amy1 acetate
Concen: 2.692 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Instrument :
MSVOA_Y
ClientSampleId :

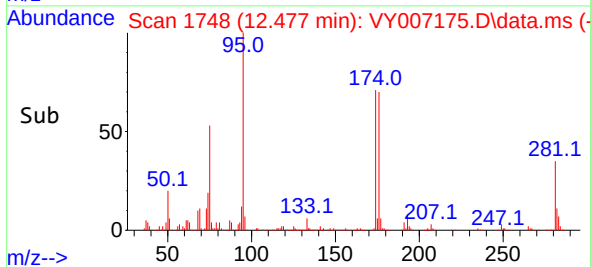
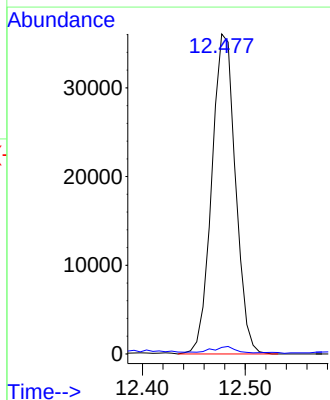
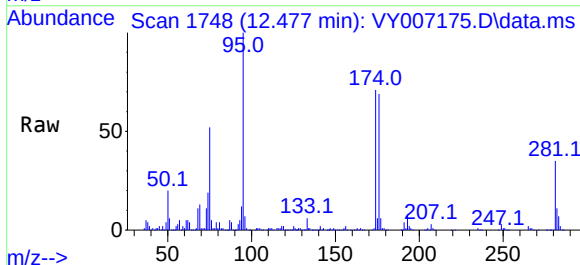


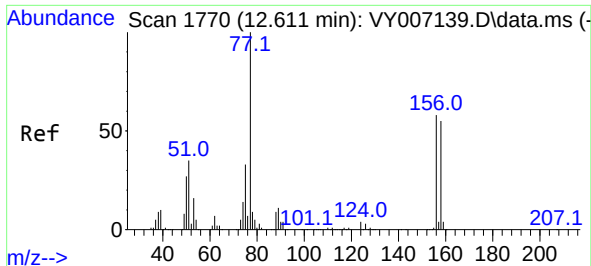
Tgt Ion: 43 Resp: 5875
Ion Ratio Lower Upper
43 100
70 11.1 36.2 54.4#
55 19.3 19.0 28.4
61 0.0 20.4 30.6#



#76
1,2,3-Trichloropropane
Concen: 53.544 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 75 Resp: 57699
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

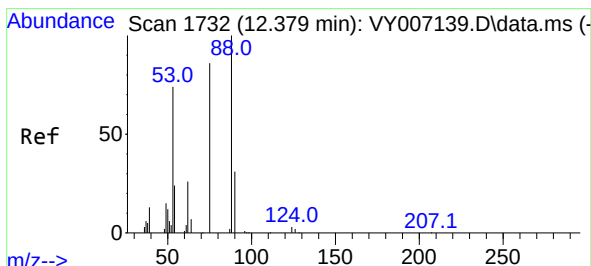
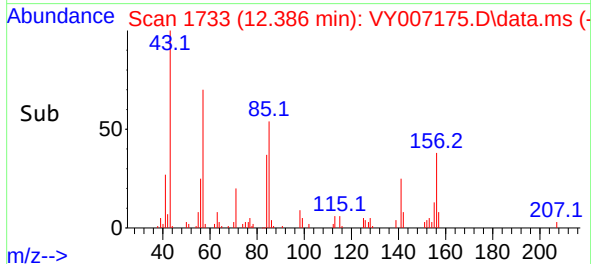
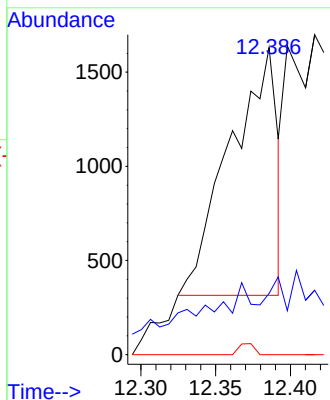
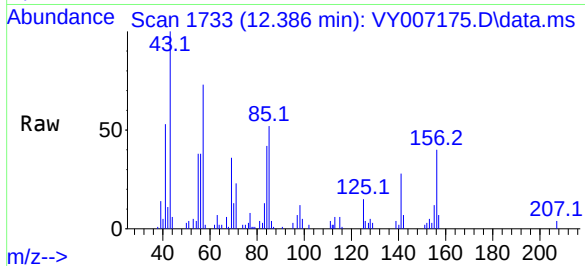




#77
Bromobenzene
Concen: 1.619 ug/l
RT: 12.386 min Scan# 11
Delta R.T. -0.225 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

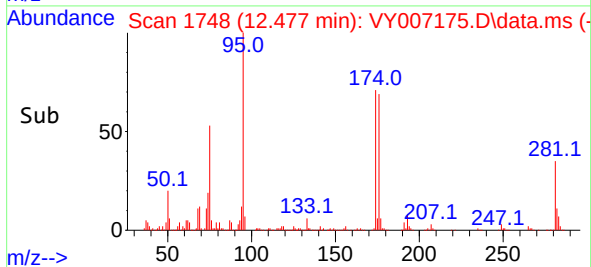
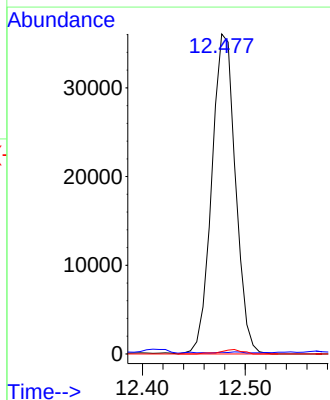
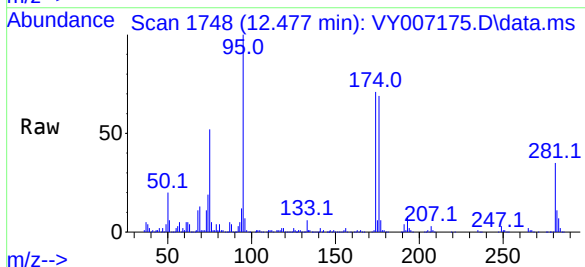
Instrument :
MSVOA_Y
ClientSampleId :

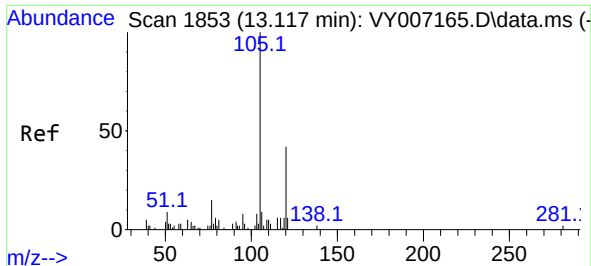
Tgt Ion:156 Resp: 2875
Ion Ratio Lower Upper
156 100
77 3.4 98.7 296.1#
158 1.5 48.4 145.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.024 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Tgt Ion: 75 Resp: 57699
Ion Ratio Lower Upper
75 100
53 0.3 73.9 110.9#
89 1.3 0.0 0.0#

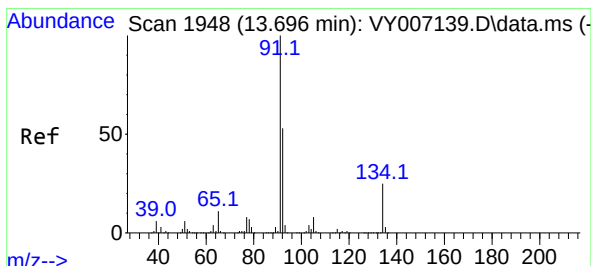
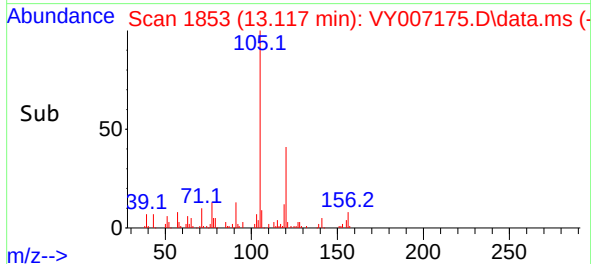
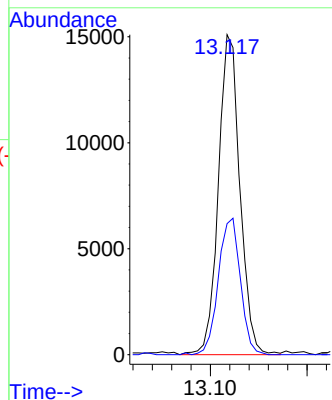
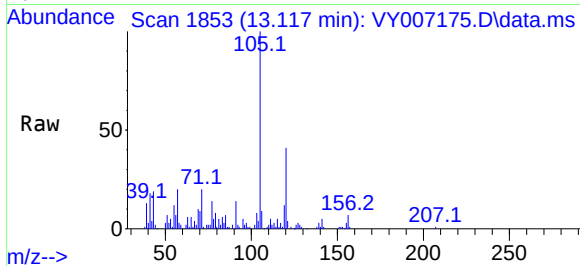




#84
1,2,4-Trimethylbenzene
Concen: 3.506 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

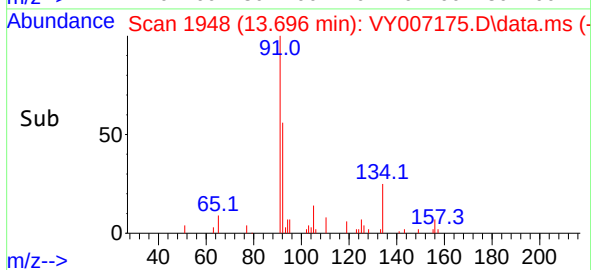
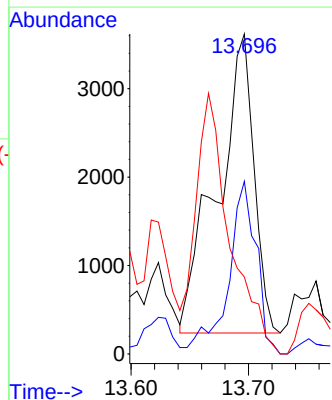
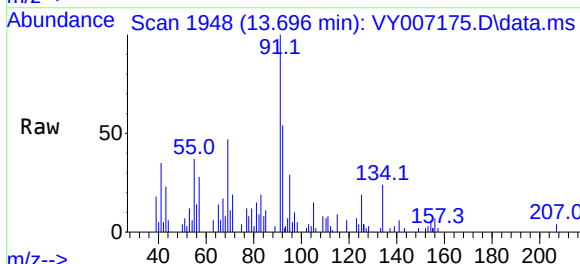
Instrument :
MSVOA_Y
ClientSampleId :

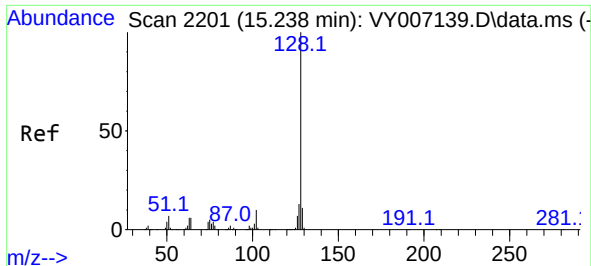
Tgt Ion:105 Resp: 23290
Ion Ratio Lower Upper
105 100
120 43.7 21.6 64.6



#89
n-Butylbenzene
Concen: 1.041 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

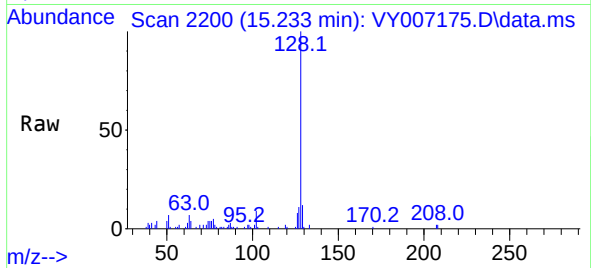
Tgt Ion: 91 Resp: 7296
Ion Ratio Lower Upper
91 100
92 43.9 26.9 80.6
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 3.943 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY007175.D
Acq: 14 Jan 2022 18:40

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 15752
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 12.0 8.9 13.3

