

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010822\
 Data File : VY007082.D
 Acq On : 08 Jan 2022 16:42
 Operator : SY/MD
 Sample : N1068-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-010622

Quant Time: Jan 10 03:40:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010822S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 10 03:29:44 2022
 Response via : Initial Calibration

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

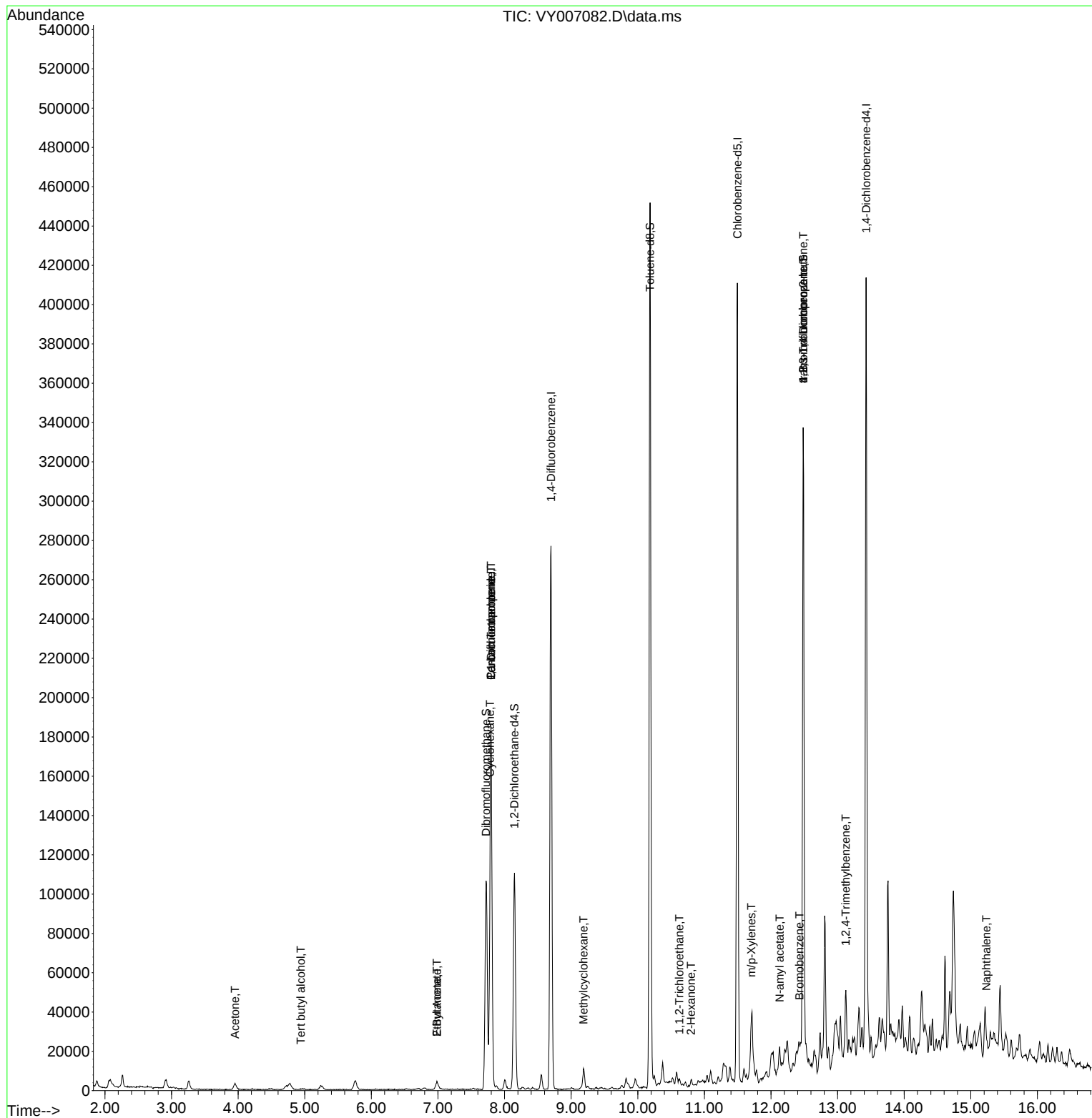
Internal Standards						
1) Pentafluorobenzene	7.795	168	132595	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	239234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	216430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	88812	55.988	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.980%			
35) Dibromofluoromethane	7.722	113	77983	48.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.820%			
50) Toluene-d8	10.185	98	291212	49.446	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.900%			
62) 4-Bromofluorobenzene	12.483	95	101715	47.887	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.780%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.942	59	471	3.724	ug/l	99
13) Acrolein	3.845	56	19	Below Cal	#	15
16) Acetone	3.954	43	4577	15.379	ug/l	93
20) Methylene Chloride	4.729	84	777	Below Cal	#	87
25) 2-Butanone	6.984	43	1286	2.797	ug/l	# 71
31) Cyclohexane	7.783	56	4869	1.783	ug/l	# 67
36) 1,1-Dichloropropene	7.795	75	10849	4.294	ug/l	# 52
37) Ethyl Acetate	6.984	43	1286	1.040	ug/l	# 72
38) Carbon Tetrachloride	7.795	117	14544	5.509	ug/l	# 15
39) Methylcyclohexane	9.185	83	4198	1.329	ug/l	99
55) 1,1,2-Trichloroethane	10.624	97	1597	1.171	ug/l	# 22
59) 2-Hexanone	10.801	43	1292	1.685	ug/l	# 23
68) m/p-Xylenes	11.703	106	5469	1.671	ug/l	97
74) N-amyl acetate	12.130	43	3134	1.604	ug/l	# 60
76) 1,2,3-Trichloropropane	12.483	75	54851	53.268	ug/l	# 100
77) Bromobenzene	12.428	156	5000	2.949	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.483	75	54851	100.051	ug/l	# 3
84) 1,2,4-Trimethylbenzene	13.123	105	17560	2.829	ug/l	99
95) Naphthalene	15.233	128	3822	1.069	ug/l	# 80

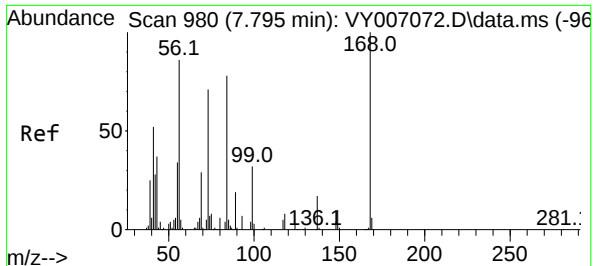
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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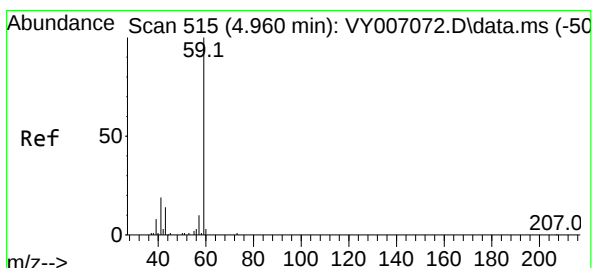
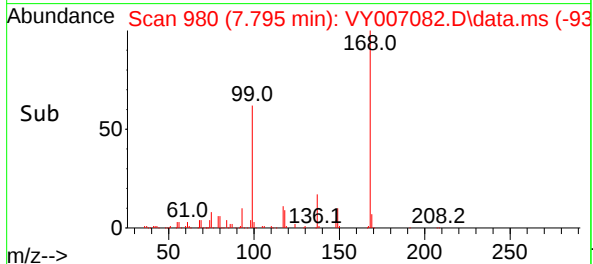
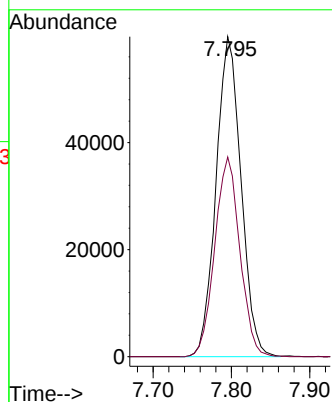
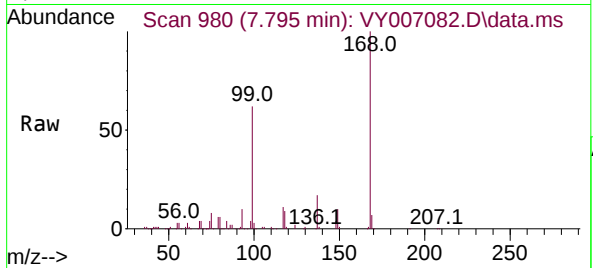




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

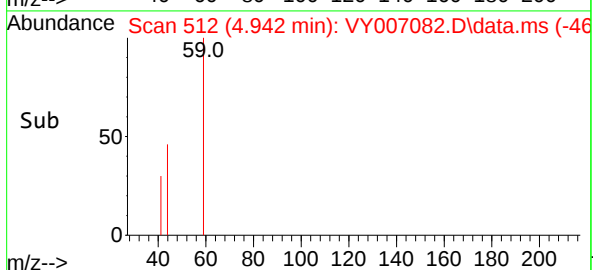
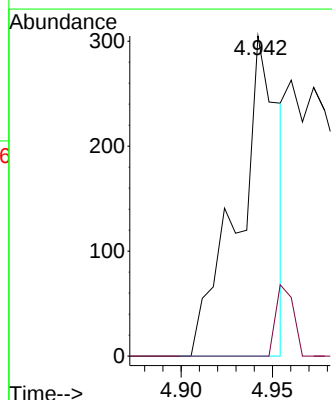
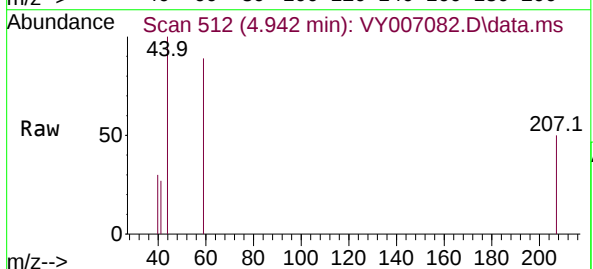
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-010622

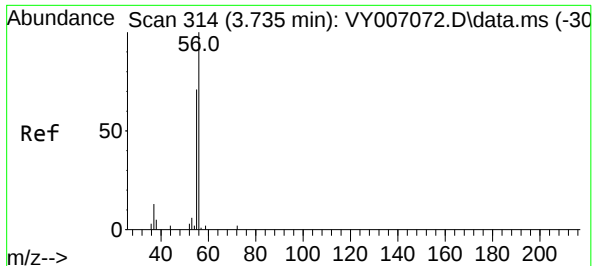
Tgt Ion:168 Resp: 132595
Ion Ratio Lower Upper
168 100
99 62.4 49.1 73.7



#11
Tert butyl alcohol
Concen: 3.724 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Tgt Ion: 59 Resp: 471
Ion Ratio Lower Upper
59 100
57 9.6 8.1 12.1





#13

Acrolein

Concen: Below Cal

RT: 3.845 min Scan# 31

Delta R.T. 0.110 min

Lab File: VY007082.D

Acq: 08 Jan 2022 16:42

Instrument :

MSVOA_Y

ClientSampleId :

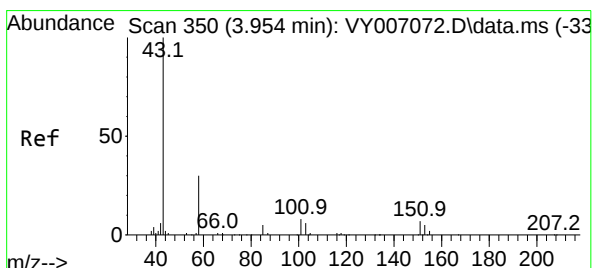
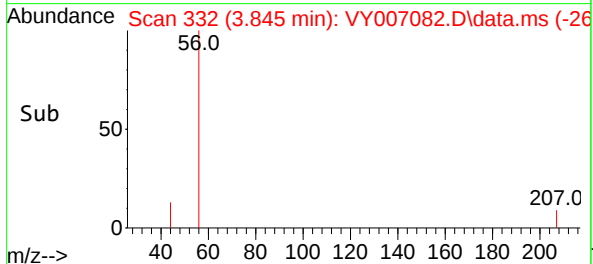
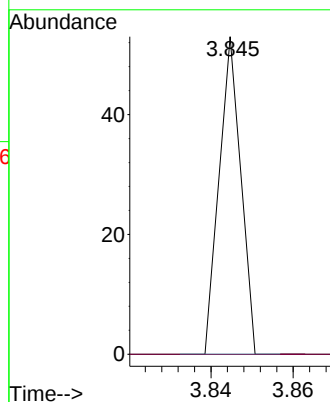
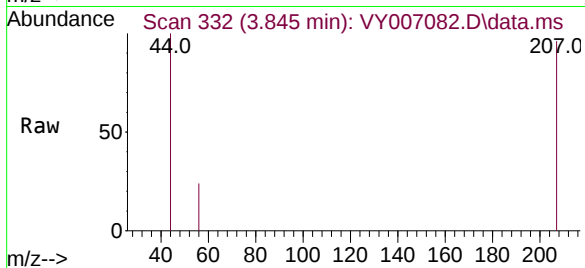
TR-05-010622

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#16

Acetone

Concen: 15.379 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.000 min

Lab File: VY007082.D

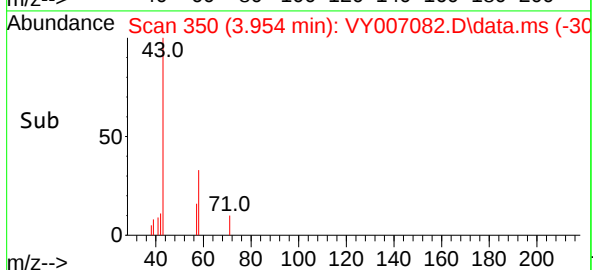
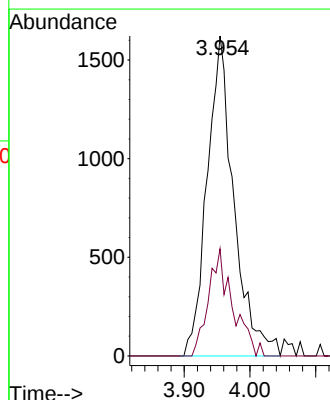
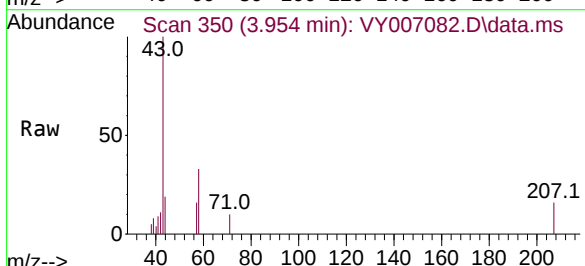
Acq: 08 Jan 2022 16:42

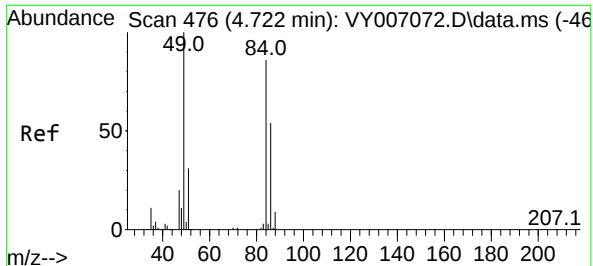
Tgt Ion: 43 Resp: 4577

Ion Ratio Lower Upper

43 100

58 33.5 23.8 35.6





#20

Methylene Chloride

Concen: Below Cal

RT: 4.729 min Scan# 41

Delta R.T. 0.007 min

Lab File: VY007082.D

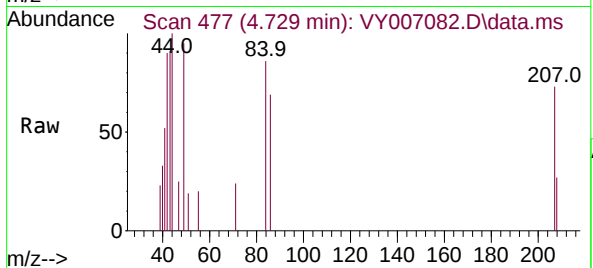
Acq: 08 Jan 2022 16:42

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-010622



Tgt Ion: 84 Resp: 777

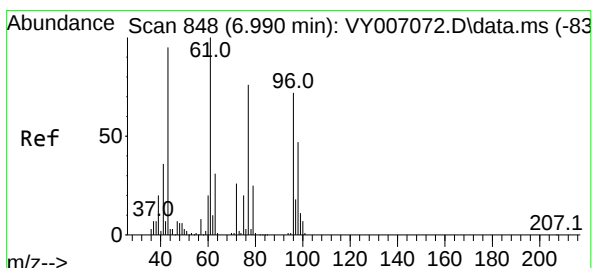
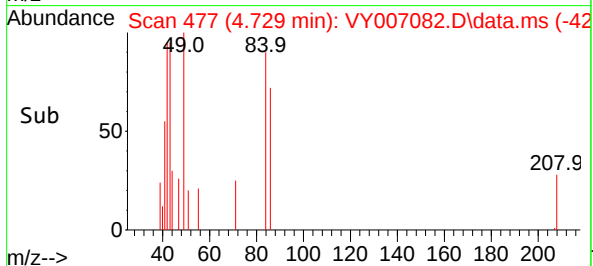
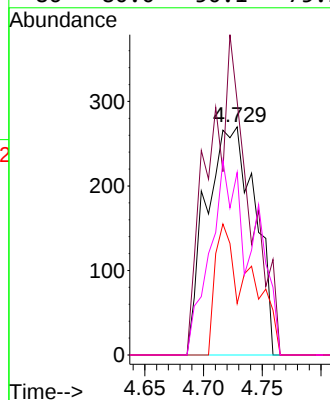
Ion Ratio Lower Upper

84 100

49 111.1 92.6 139.0

51 22.6 28.6 42.8#

86 80.0 50.1 75.1#



#25

2-Butanone

Concen: 2.797 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.006 min

Lab File: VY007082.D

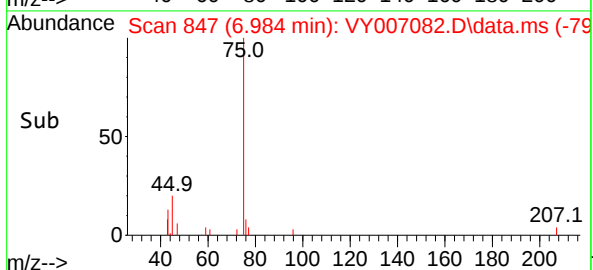
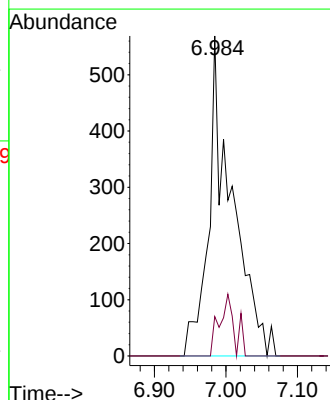
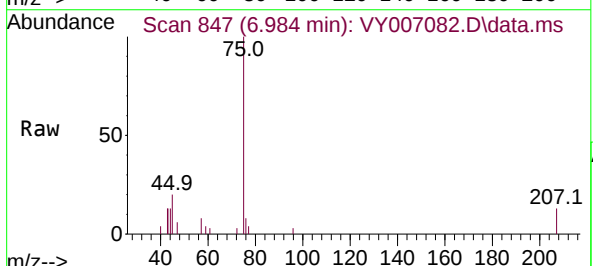
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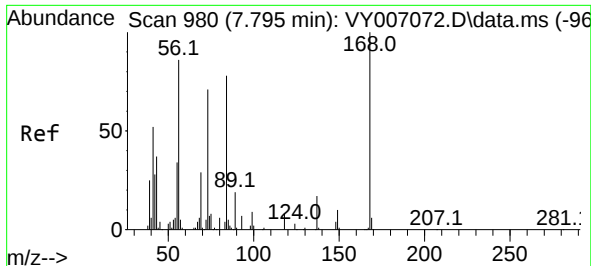
Tgt Ion: 43 Resp: 1286

Ion Ratio Lower Upper

43 100

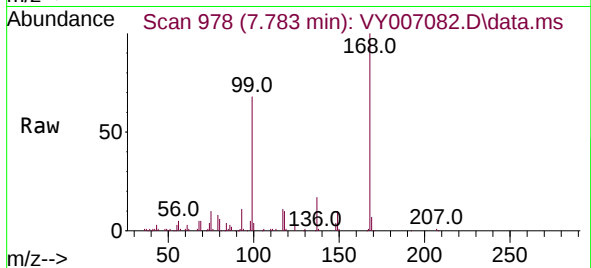
72 12.3 21.9 32.9#



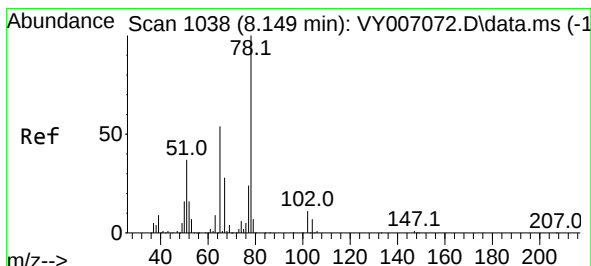
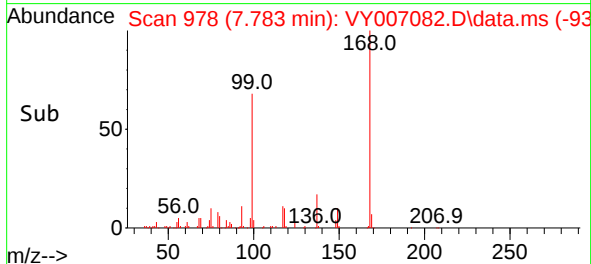
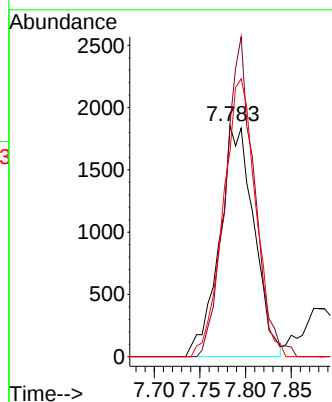


#31
Cyclohexane
Concen: 1.783 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Instrument :
MSVOA_Y
ClientSampleId :
TR-05-010622

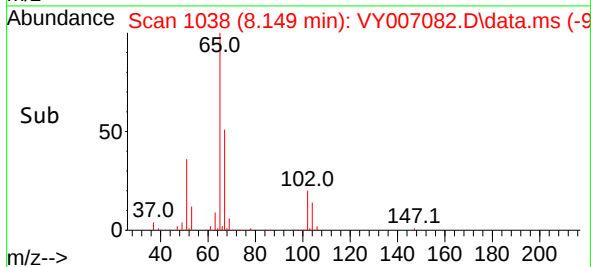
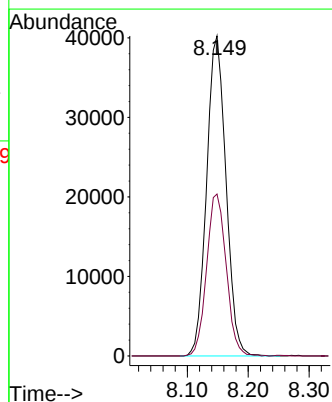
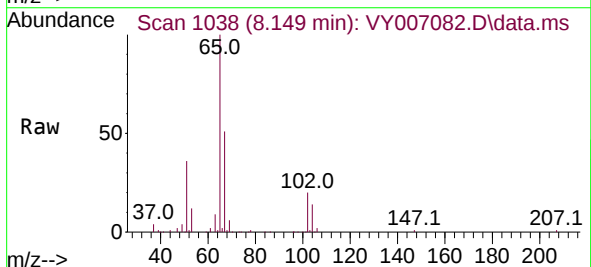


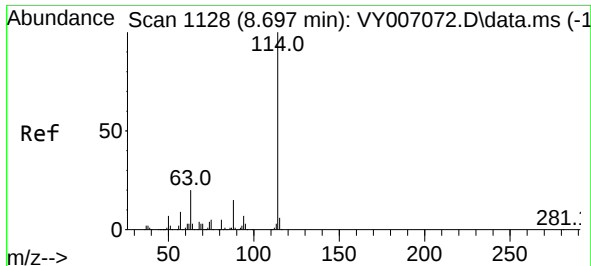
Tgt Ion: 56 Resp: 4869
Ion Ratio Lower Upper
56 100
69 101.4 27.2 40.8#
84 89.5 72.1 108.1



#33
1,2-Dichloroethane-d4
Concen: 55.988 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Tgt Ion: 65 Resp: 88812
Ion Ratio Lower Upper
65 100
67 51.2 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY007082.D

Acq: 08 Jan 2022 16:42

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-010622

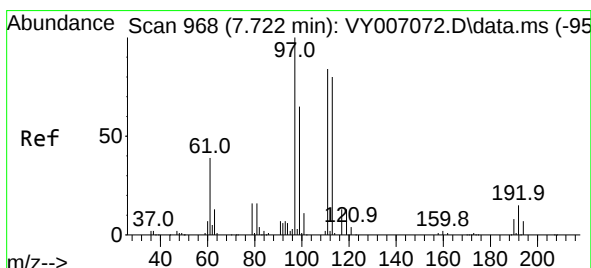
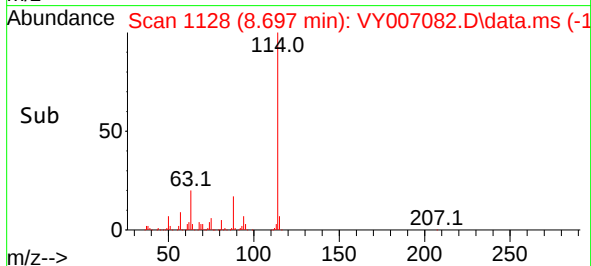
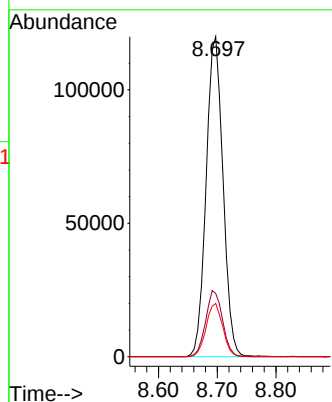
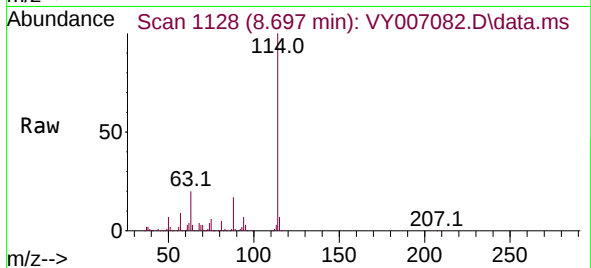
Tgt Ion:114 Resp: 239234

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.2

88 16.6 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.909 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY007082.D

Acq: 08 Jan 2022 16:42

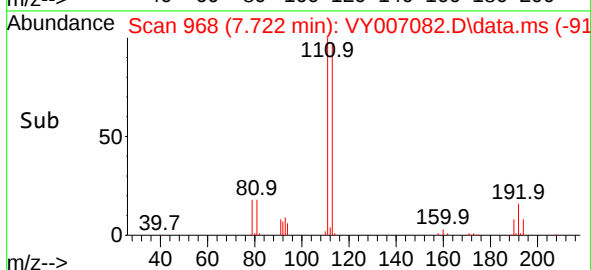
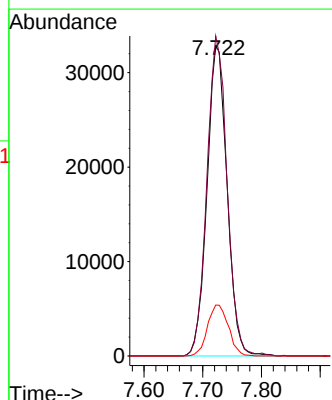
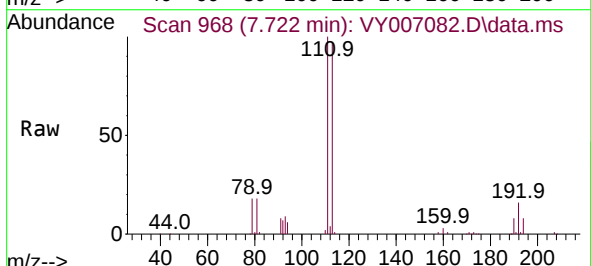
Tgt Ion:113 Resp: 77983

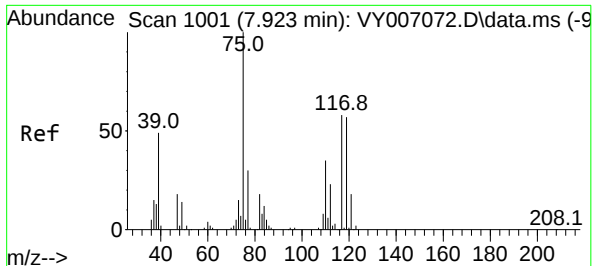
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.4

192 17.1 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.294 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007082.D

Acq: 08 Jan 2022 16:42

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-010622

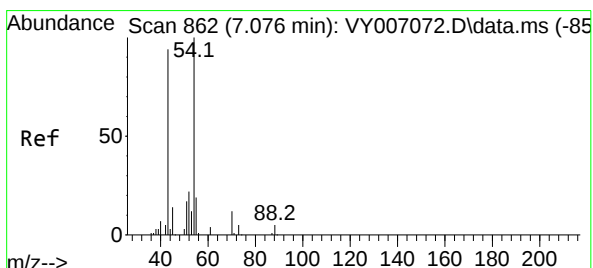
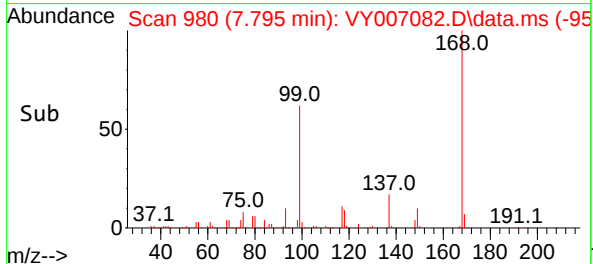
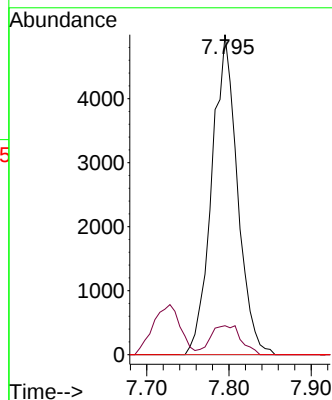
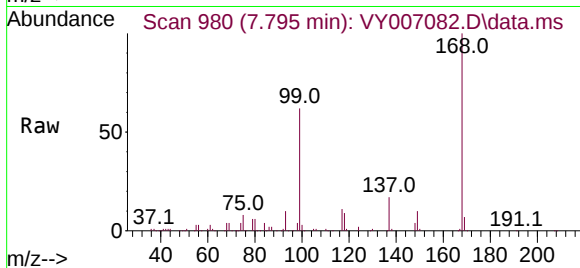
Tgt Ion: 75 Resp: 10849

Ion Ratio Lower Upper

75 100

110 10.8 17.3 51.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.040 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.091 min

Lab File: VY007082.D

Acq: 08 Jan 2022 16:42

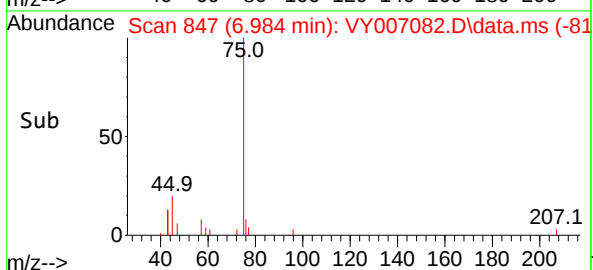
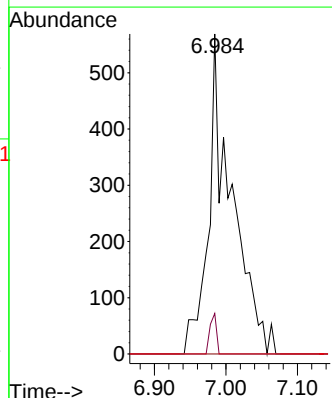
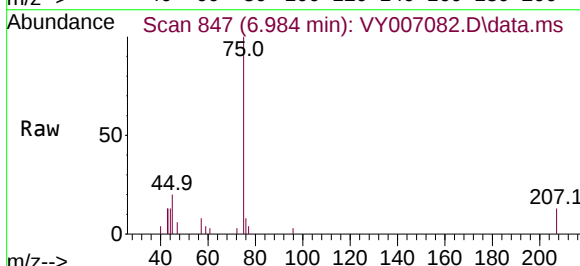
Tgt Ion: 43 Resp: 1286

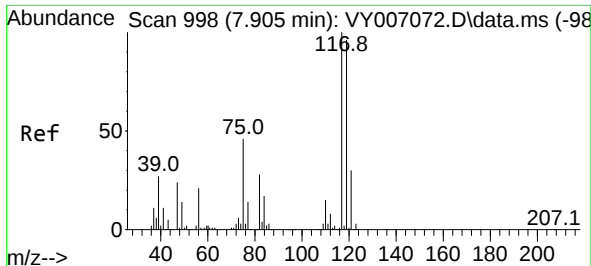
Ion Ratio Lower Upper

43 100

61 3.6 11.8 17.8#

70 0.0 9.0 13.4#

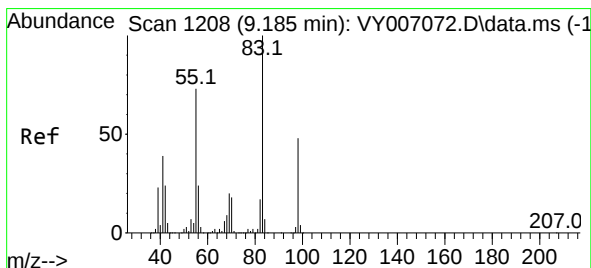
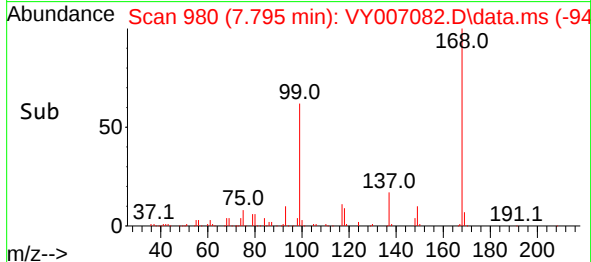
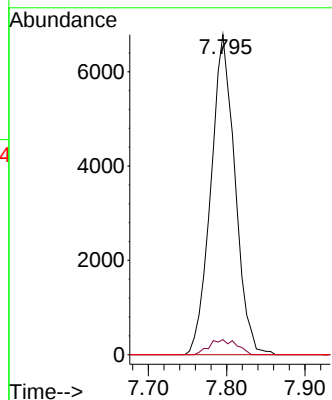
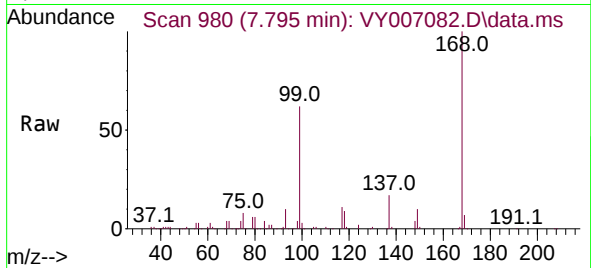




#38
Carbon Tetrachloride
Concen: 5.509 ug/l
RT: 7.795 min Scan# 911
Delta R.T. -0.110 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

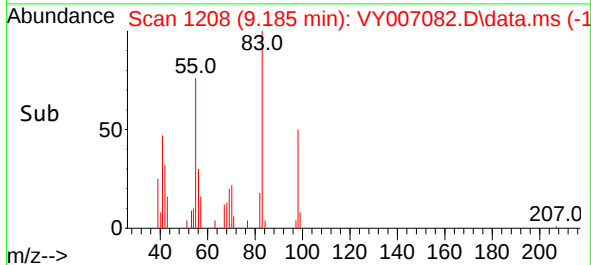
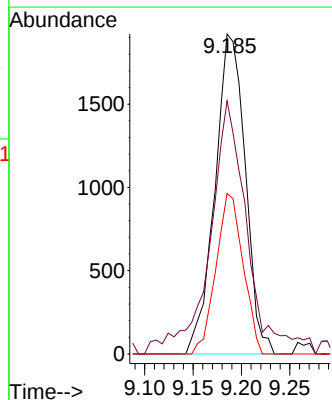
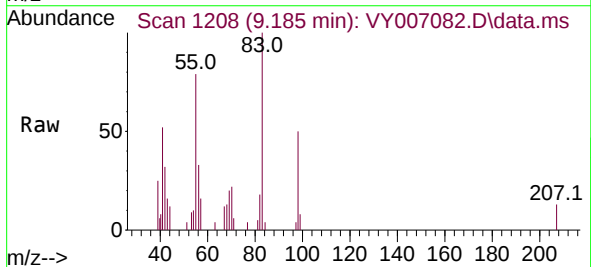
Instrument :
MSVOA_Y
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TR-05-010622

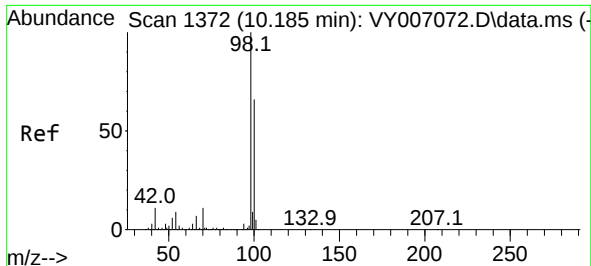
Tgt Ion: 117 Resp: 14544
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.329 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Tgt Ion: 83 Resp: 4198
Ion Ratio Lower Upper
83 100
55 73.4 58.8 88.2
98 50.2 38.7 58.1

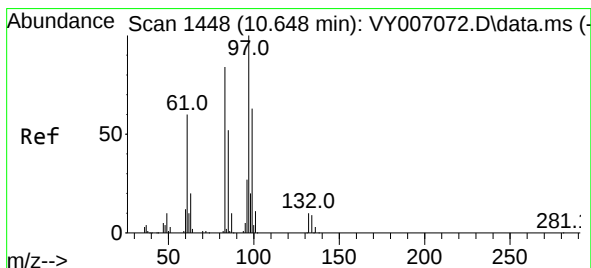
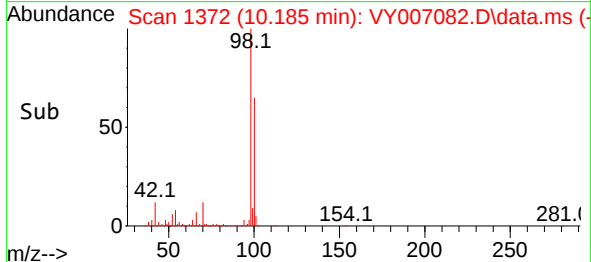
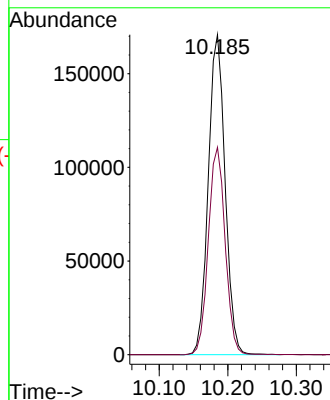
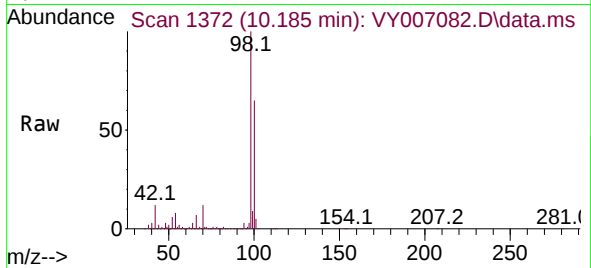




#50
Toluene-d8
Concen: 49.446 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

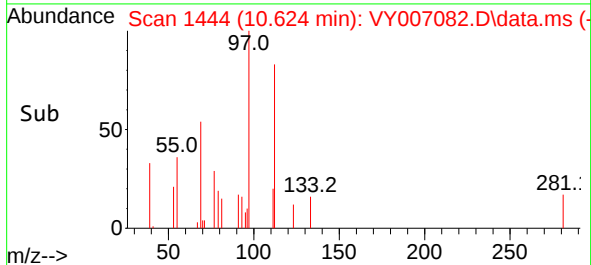
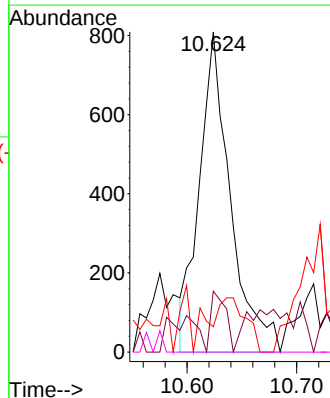
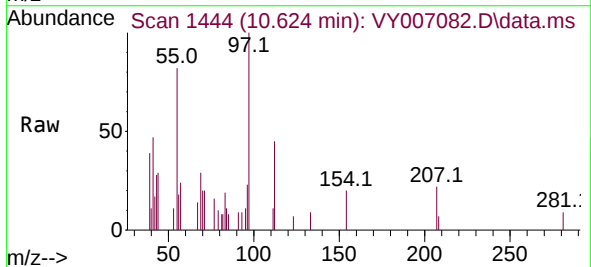
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-010622

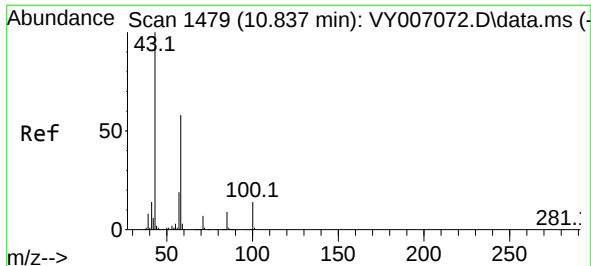
Tgt Ion: 98 Resp: 291212
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#55
1,1,2-Trichloroethane
Concen: 1.171 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Tgt Ion: 97 Resp: 1597
Ion Ratio Lower Upper
97 100
83 12.2 67.0 100.4#
85 0.0 41.2 61.8#
99 0.0 50.7 76.1#

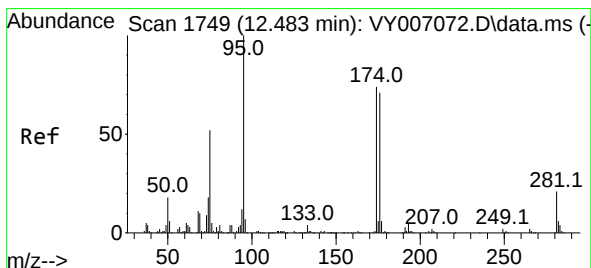
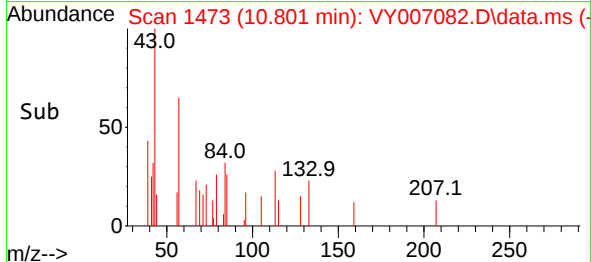
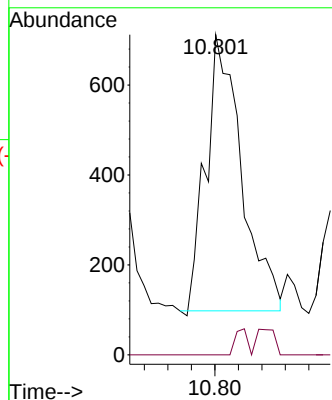
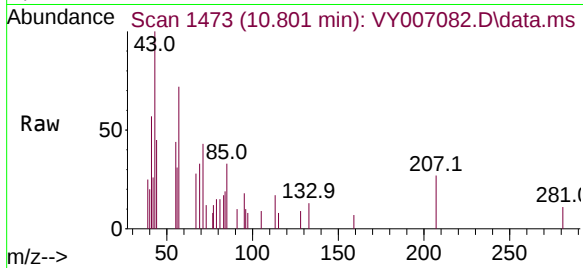




#59
2-Hexanone
Concen: 1.685 ug/l
RT: 10.801 min Scan# 1473
Delta R.T. -0.036 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

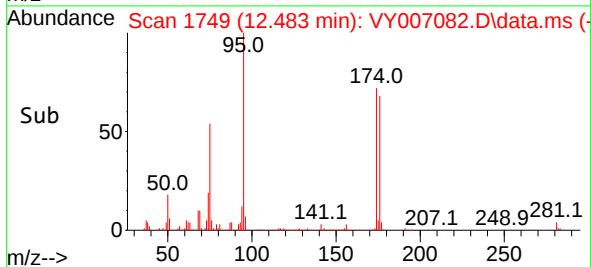
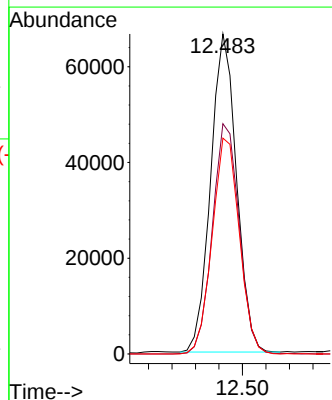
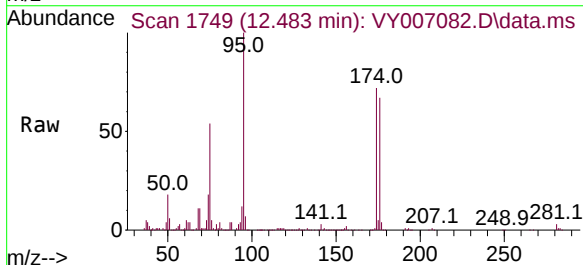
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-010622

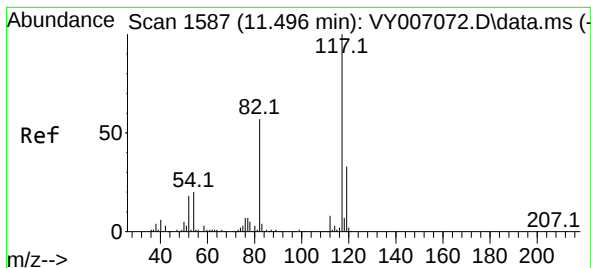
Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#



#62
4-Bromofluorobenzene
Concen: 47.887 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Tgt Ion: 95 Resp: 101715
Ion Ratio Lower Upper
95 100
174 75.0 0.0 148.4
176 71.3 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY007082.D

Acq: 08 Jan 2022 16:42

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-010622

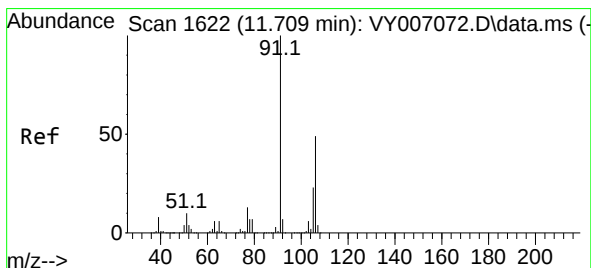
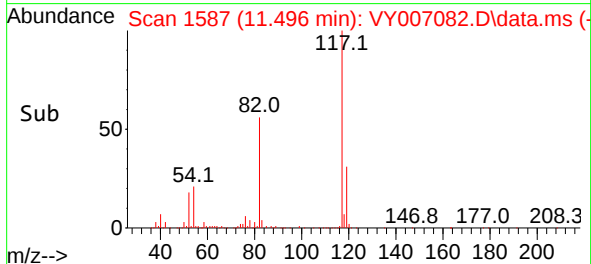
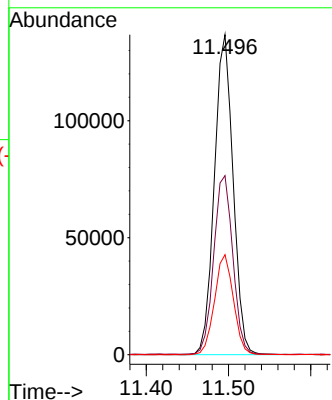
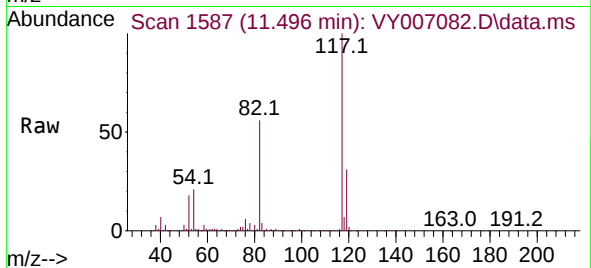
Tgt Ion:117 Resp: 216430

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

119 31.3 26.4 39.6



#68

m/p-Xylenes

Concen: 1.671 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. -0.006 min

Lab File: VY007082.D

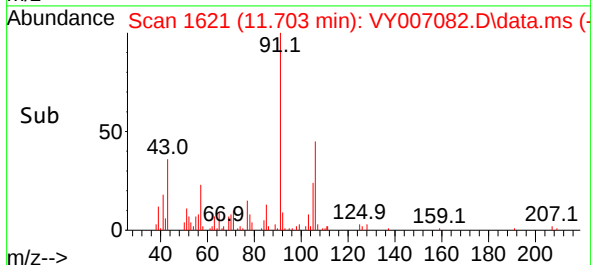
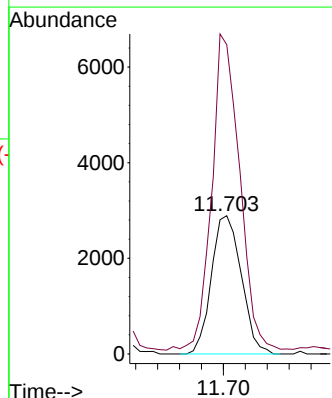
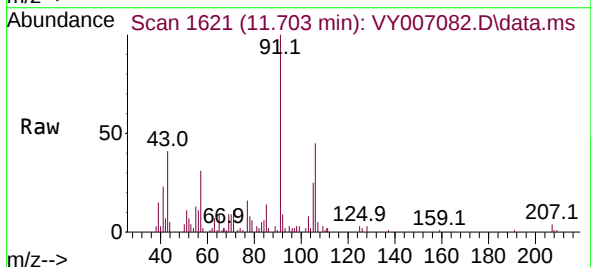
Acq: 08 Jan 2022 16:42

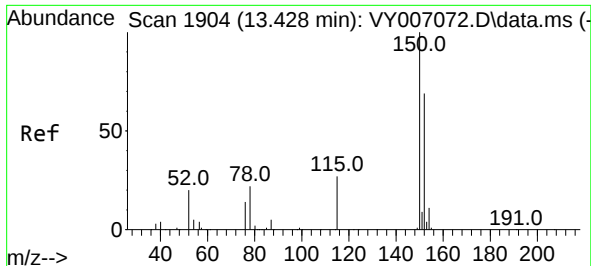
Tgt Ion:106 Resp: 5469

Ion Ratio Lower Upper

106 100

91 213.7 167.1 250.7

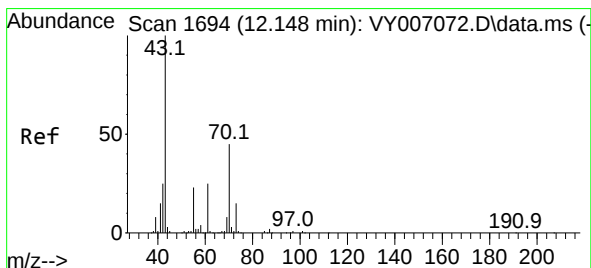
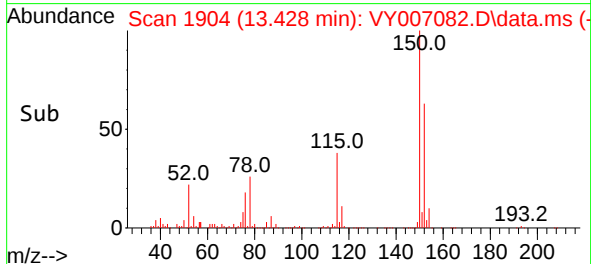
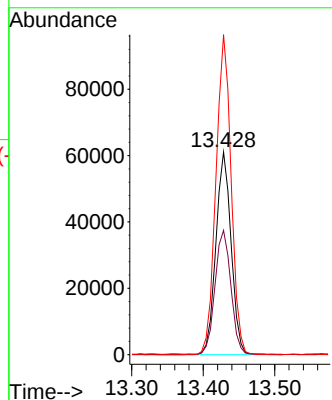
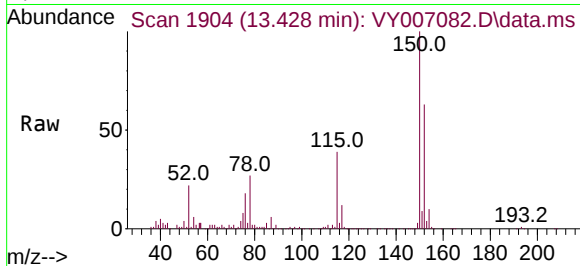




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

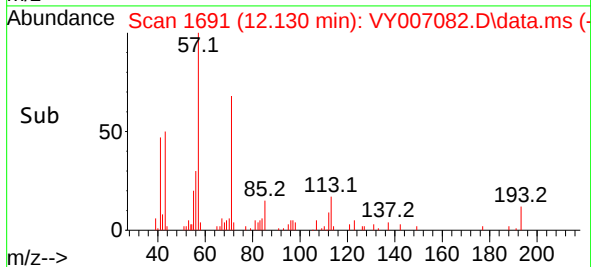
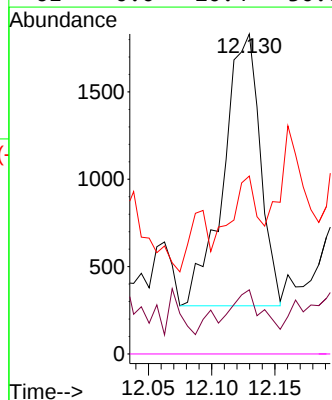
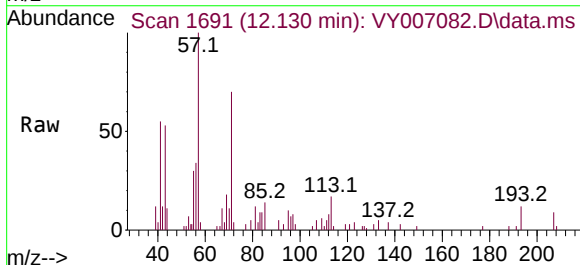
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-010622

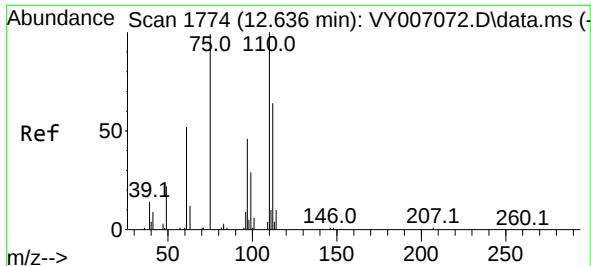
Tgt Ion:152 Resp: 90224
Ion Ratio Lower Upper
152 100
115 63.8 31.4 94.0
150 157.6 0.0 348.4



#74
N-ethyl acetate
Concen: 1.604 ug/l
RT: 12.130 min Scan# 1691
Delta R.T. -0.018 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Tgt Ion: 43 Resp: 3134
Ion Ratio Lower Upper
43 100
70 10.5 36.2 54.4#
55 21.9 19.0 28.4
61 0.0 20.4 30.6#

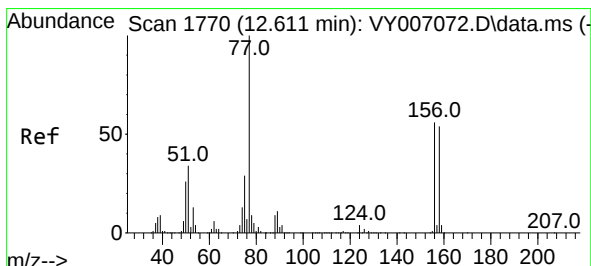
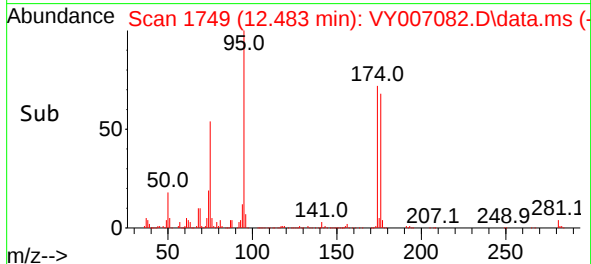
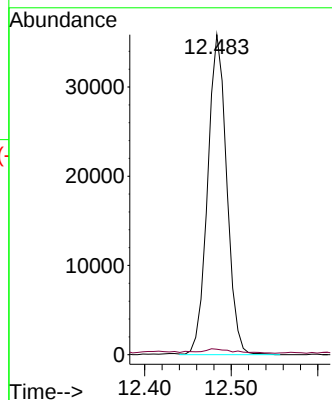
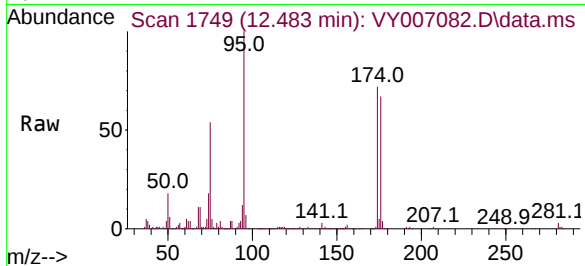




#76
1,2,3-Trichloropropane
Concen: 53.268 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

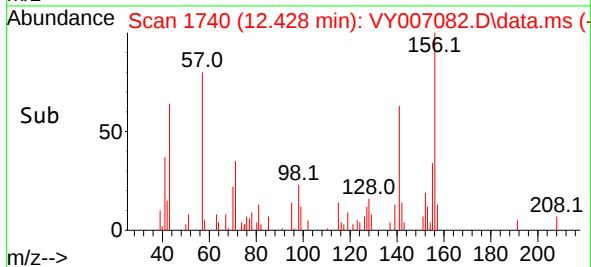
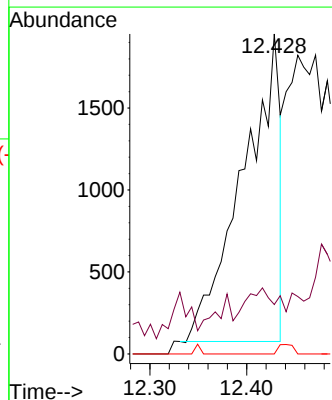
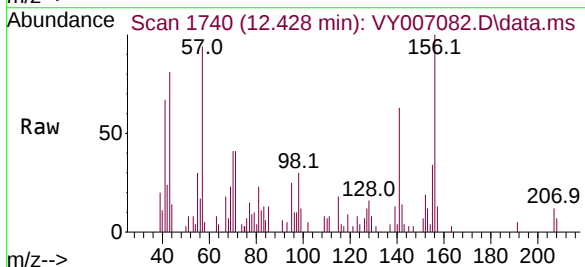
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-010622

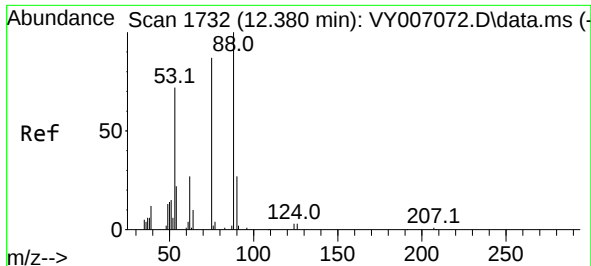
Tgt Ion: 75 Resp: 54851
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#77
Bromobenzene
Concen: 2.949 ug/l
RT: 12.428 min Scan# 1740
Delta R.T. -0.183 min
Lab File: VY007082.D
Acq: 08 Jan 2022 16:42

Tgt Ion: 156 Resp: 5000
Ion Ratio Lower Upper
156 100
77 8.1 98.7 296.1#
158 0.0 48.4 145.2#

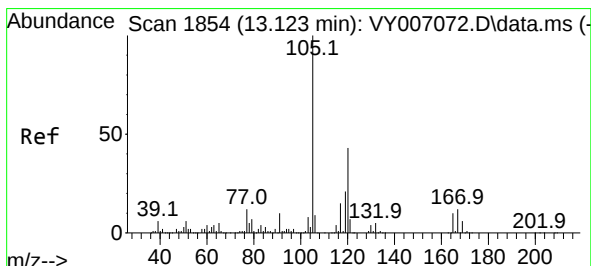
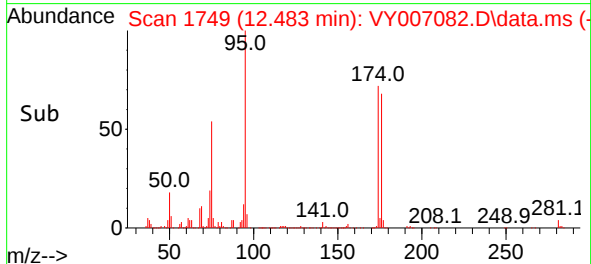
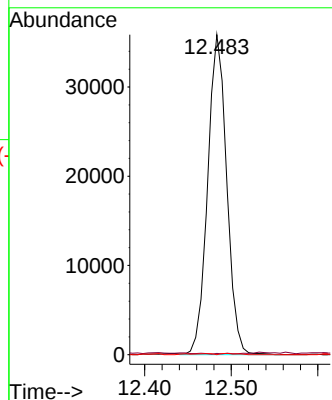
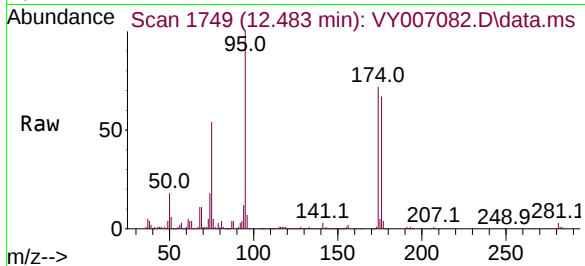




#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.051 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.104 min
 Lab File: VY007082.D
 Acq: 08 Jan 2022 16:42

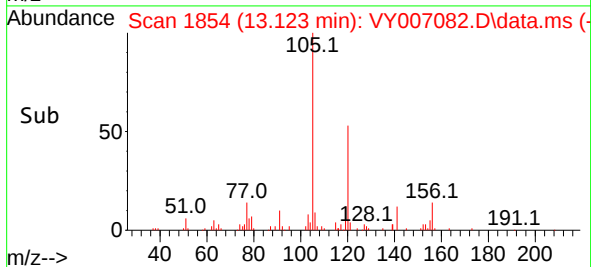
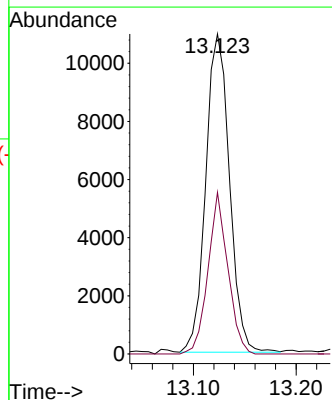
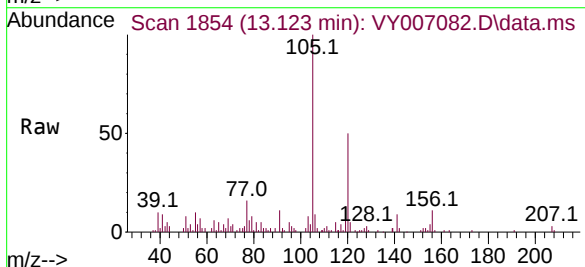
Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-010622

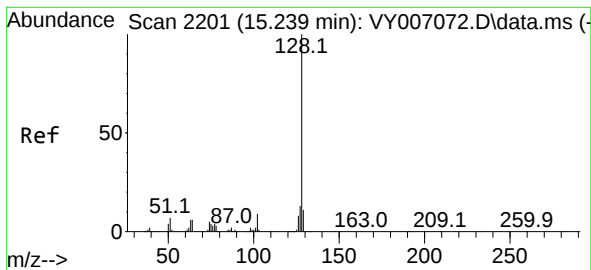
Tgt Ion: 75 Resp: 54851
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.3 0.0 0.0#



#84
 1,2,4-Trimethylbenzene
 Concen: 2.829 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: VY007082.D
 Acq: 08 Jan 2022 16:42

Tgt Ion: 105 Resp: 17560
 Ion Ratio Lower Upper
 105 100
 120 42.5 21.6 64.6





#95

Naphthalene

Concen: 1.069 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY007082.D

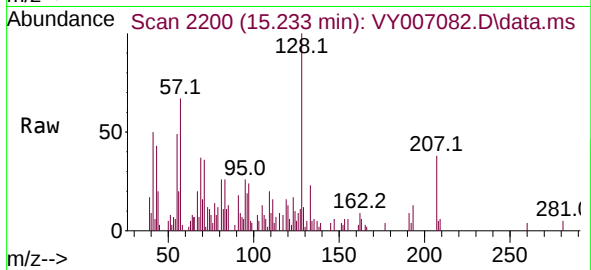
Acq: 08 Jan 2022 16:42

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-010622



Tgt Ion:128 Resp: 3822

Ion Ratio Lower Upper

128 100

127 21.9 10.3 15.5#

129 17.8 8.9 13.3#

