

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004359.D
 Acq On : 09 Apr 2021 15:46
 Operator : SY/MD
 Sample : M1983-02
 Misc : 2.35G/5ML/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 16873

Quant Time: Apr 10 02:03:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

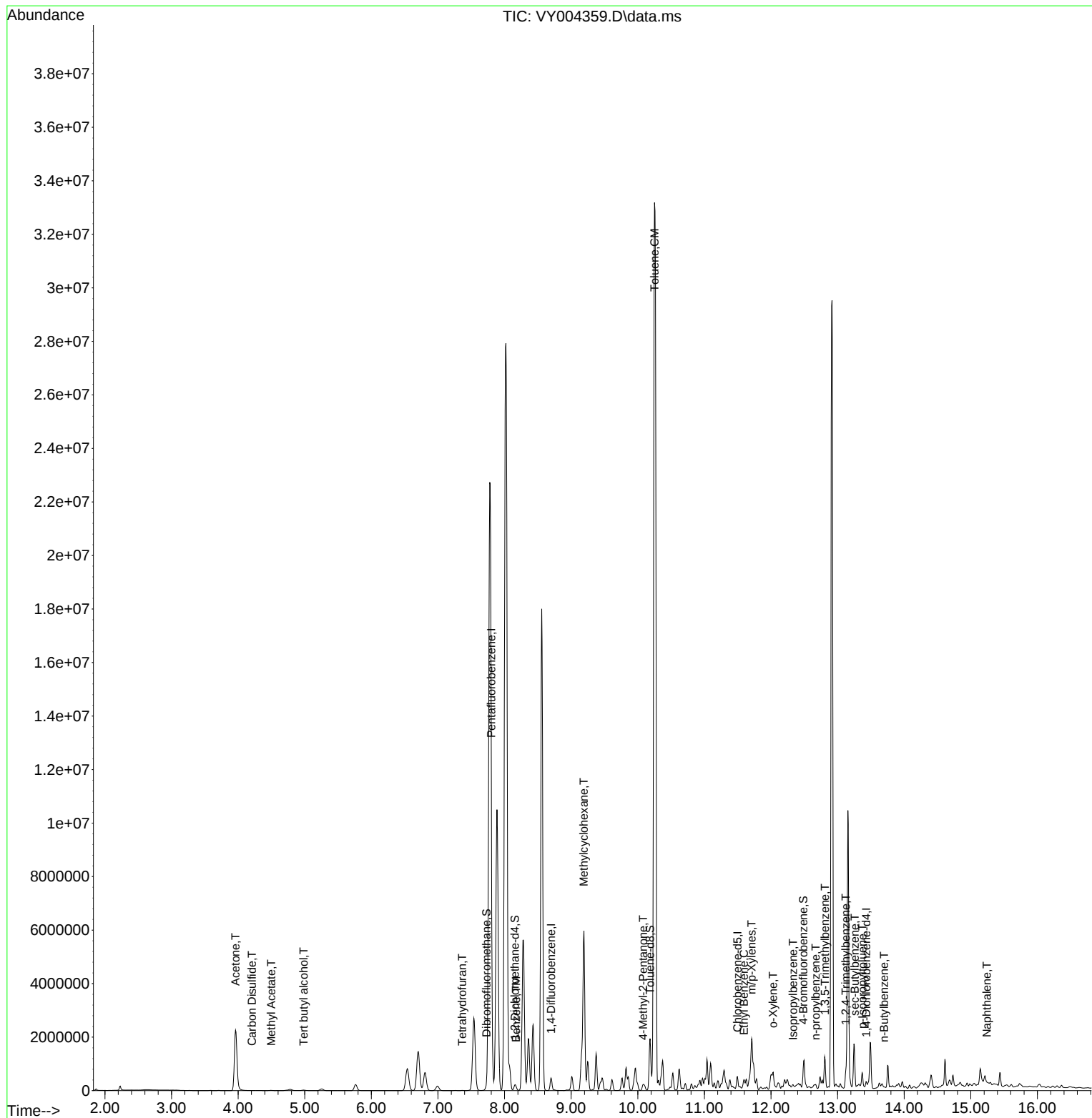
Internal Standards						
1) Pentafluorobenzene	7.801	168	210425	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.697	114	370810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	253712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	44200	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	130786	64.65	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 129.30%			
35) Dibromofluoromethane	7.728	113	113132	54.76	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.52%			
50) Toluene-d8	10.185	98	475162	61.15	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 122.30%			
62) 4-Bromofluorobenzene	12.483	95	94373	35.43	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.86%			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.985	59	47858	290.74	ug/l	99
16) Acetone	3.960	43	4073500	9665.73	ug/l	98
17) Carbon Disulfide	4.204	76	6312	1.26	ug/l	# 94
18) Methyl Acetate	4.497	43	19128	14.18	ug/l	99
29) Tetrahydrofuran	7.362	42	3515	7.09	ug/l	# 33
39) Methylcyclohexane	9.191	83	2336852	557.57	ug/l	96
40) Benzene	8.173	78	86557	9.02	ug/l	97
51) 4-Methyl-2-Pentanone	10.081	43	115067	60.07	ug/l	99
52) Toluene	10.252	92	19437098	3150.79	ug/l	# 1
67) Ethyl Benzene	11.593	91	154252	16.79	ug/l	99
68) m/p-Xylenes	11.709	106	336747	95.45	ug/l	96
69) o-Xylene	12.032	106	110896	33.59	ug/l	96
73) Isopropylbenzene	12.331	105	53454	16.55	ug/l	97
78) n-propylbenzene	12.672	91	115695	30.97	ug/l	99
80) 1,3,5-Trimethylbenzene	12.813	105	128886	48.93	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	353023	133.61	ug/l	99
85) sec-Butylbenzene	13.258	105	28384	9.06	ug/l	86
86) p-Isopropyltoluene	13.373	119	271949	93.29	ug/l	99
89) n-Butylbenzene	13.697	91	25061	9.35	ug/l	# 75
95) Naphthalene	15.239	128	30620	16.04	ug/l	# 90

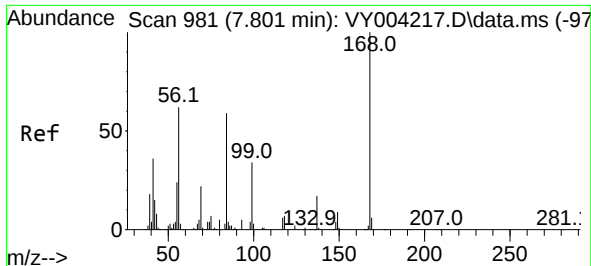
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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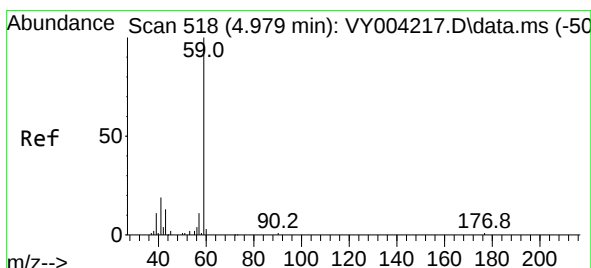
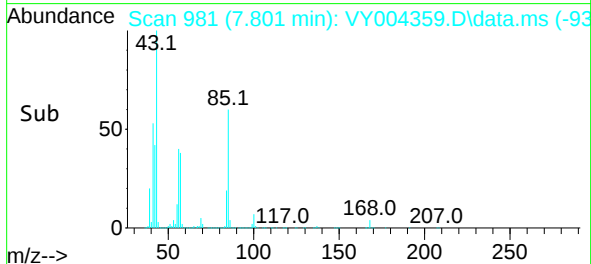
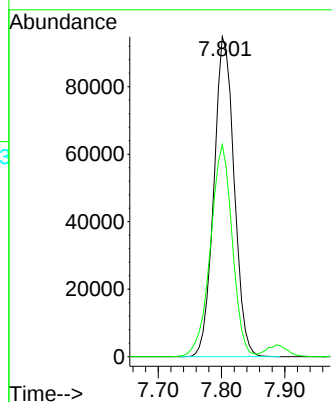
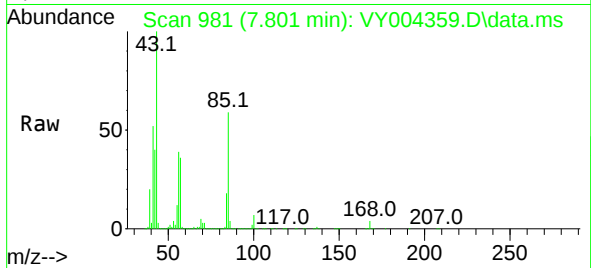




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

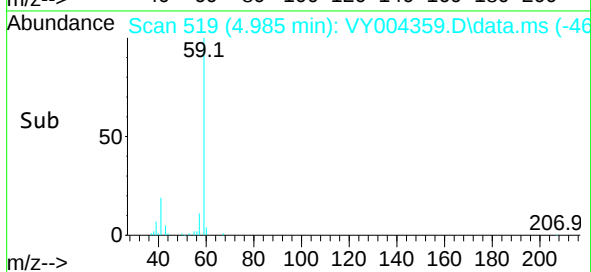
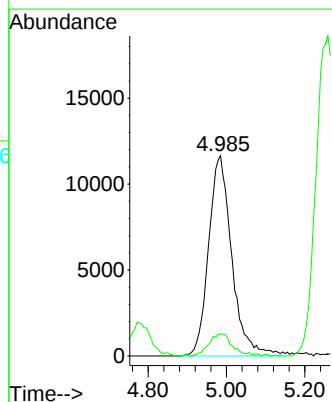
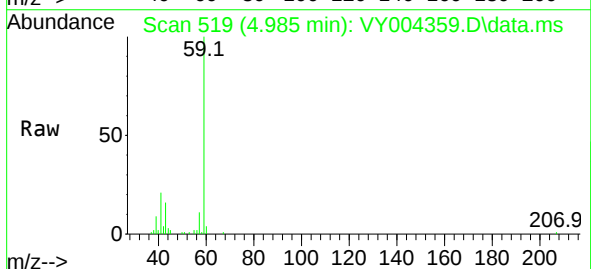
Instrument :
MSVOA_Y
ClientSampleId :
16873

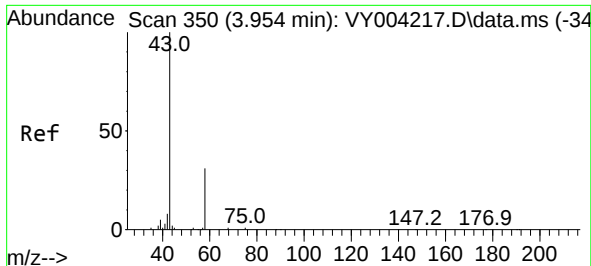
Tgt Ion:168 Resp: 210425
Ion Ratio Lower Upper
168 100
99 66.1 42.6 64.0#



#11
Tert butyl alcohol
Concen: 290.74 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.006 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

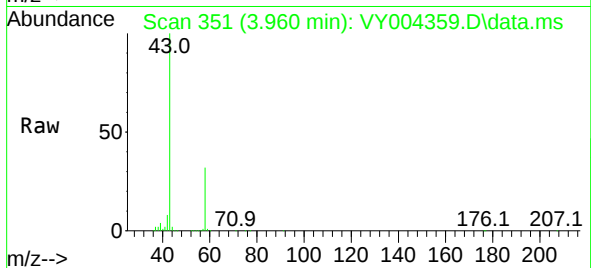
Tgt Ion: 59 Resp: 47858
Ion Ratio Lower Upper
59 100
57 11.3 8.9 13.3



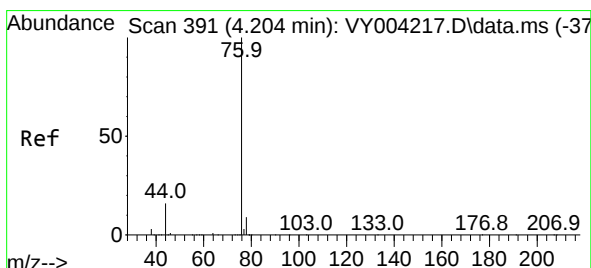
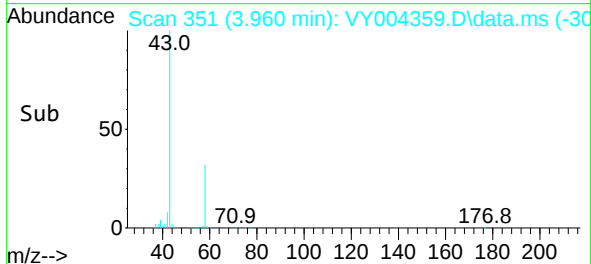
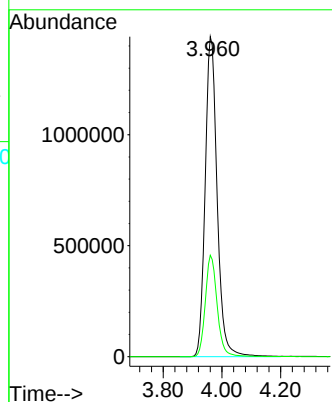


#16
Acetone
Concen: 9665.73 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Instrument :
MSVOA_Y
ClientSampleId :
16873

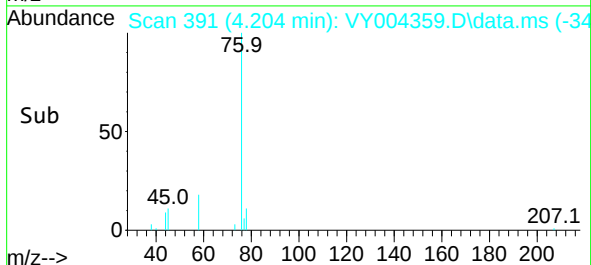
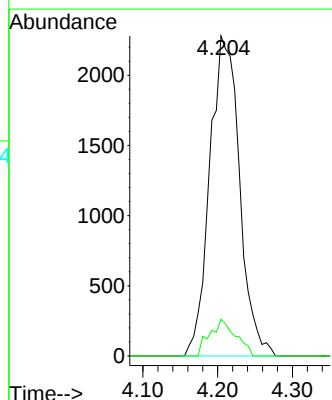
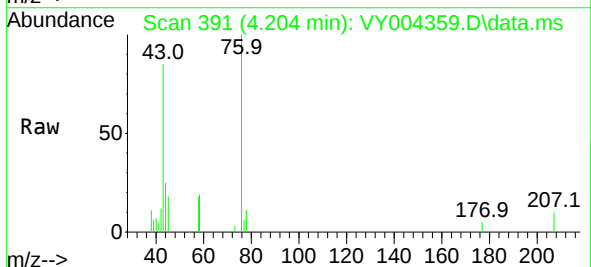


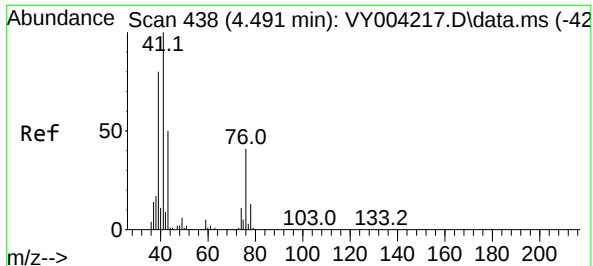
Tgt Ion: 43 Resp: 4073500
Ion Ratio Lower Upper
43 100
58 31.7 24.5 36.7



#17
Carbon Disulfide
Concen: 1.26 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion: 76 Resp: 6312
Ion Ratio Lower Upper
76 100
78 11.5 7.4 11.2#





#18

Methyl Acetate

Concen: 14.18 ug/l

RT: 4.497 min Scan# 439

Delta R.T. 0.006 min

Lab File: VY004359.D

Acq: 09 Apr 2021 15:46

Tgt Ion: 43 Resp: 19128

Ion Ratio Lower Upper

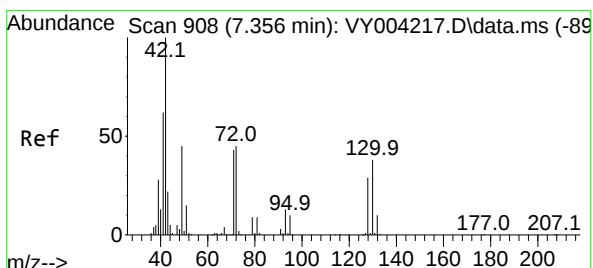
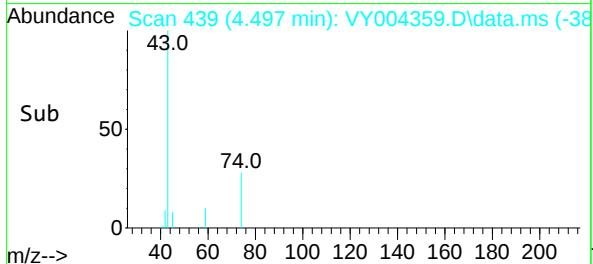
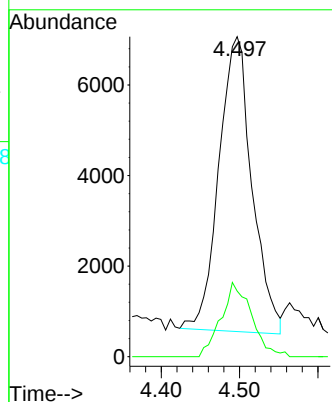
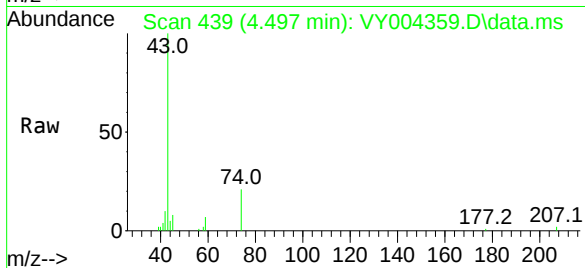
43	100		
74	23.2	19.1	28.7

Instrument :

MSVOA_Y

ClientSampleId :

16873



#29

Tetrahydrofuran

Concen: 7.09 ug/l

RT: 7.362 min Scan# 909

Delta R.T. 0.006 min

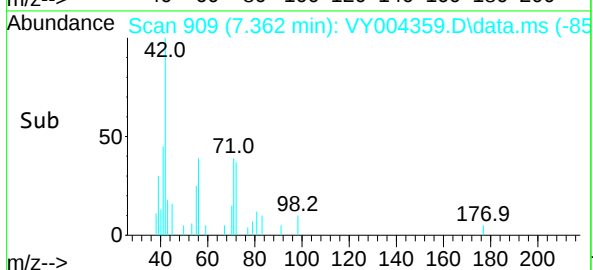
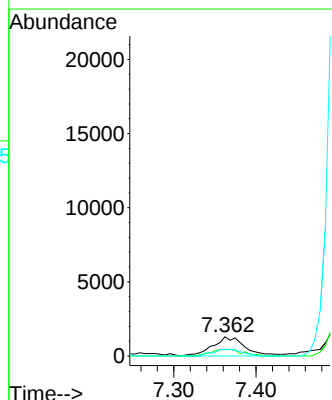
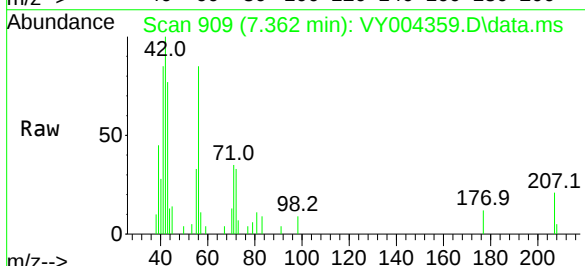
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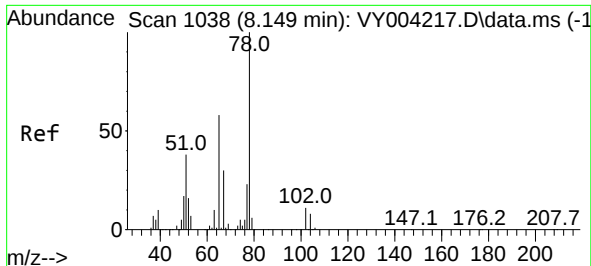
Acq: 09 Apr 2021 15:46

Tgt Ion: 42 Resp: 3515

Ion Ratio Lower Upper

42	100		
72	0.0	35.1	52.7#
71	0.0	32.9	49.3#

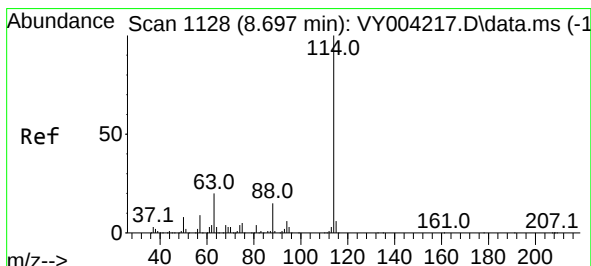
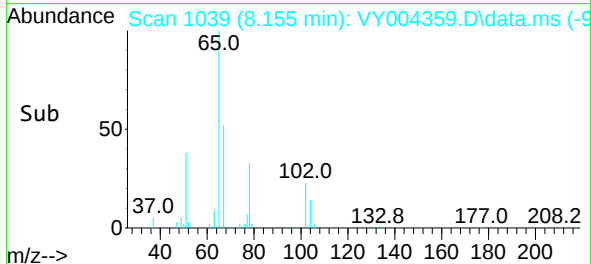
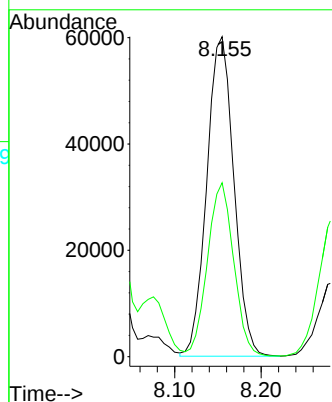
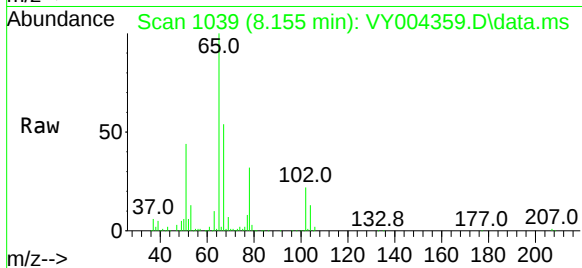




#33
1,2-Dichloroethane-d4
Concen: 64.65 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

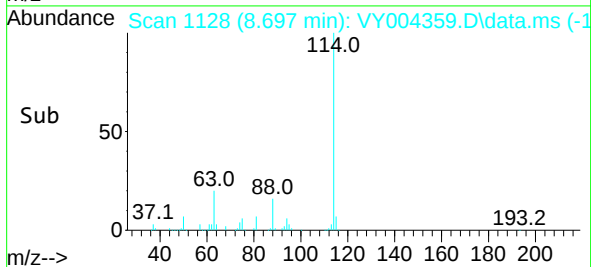
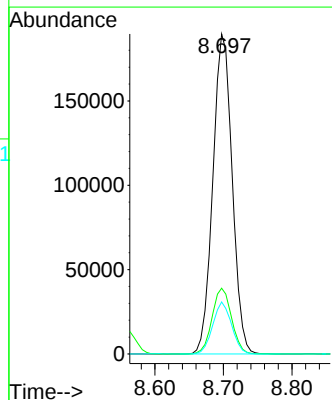
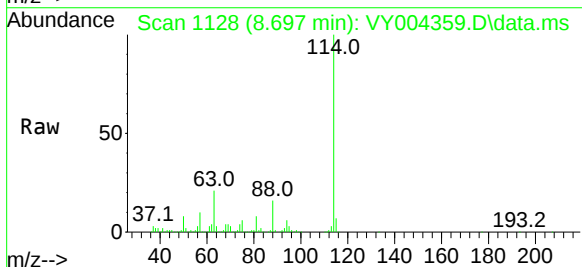
Instrument :
MSVOA_Y
ClientSampled :
16873

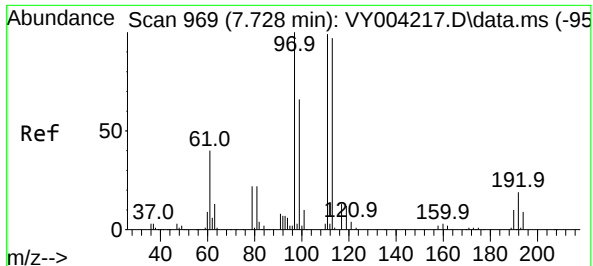
Tgt Ion: 65 Resp: 130786
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion: 114 Resp: 370810
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.4
88 16.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 54.76 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004359.D

Acq: 09 Apr 2021 15:46

Instrument :

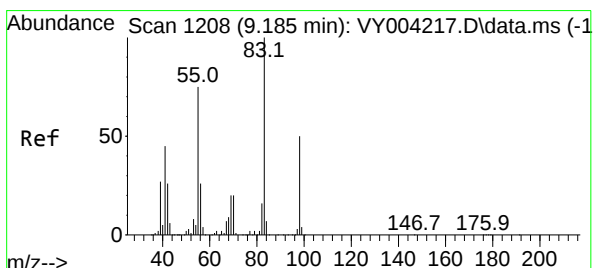
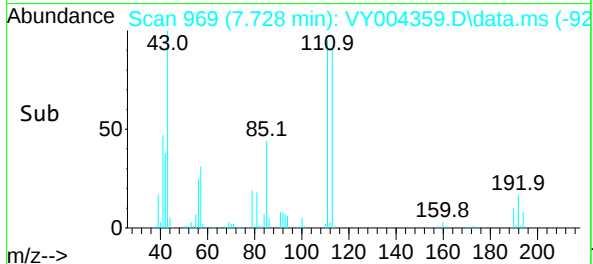
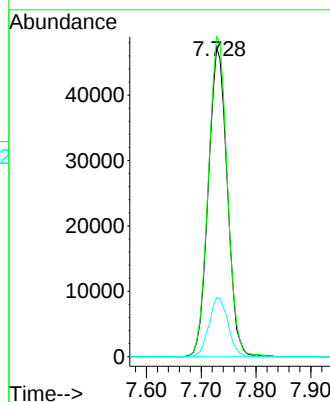
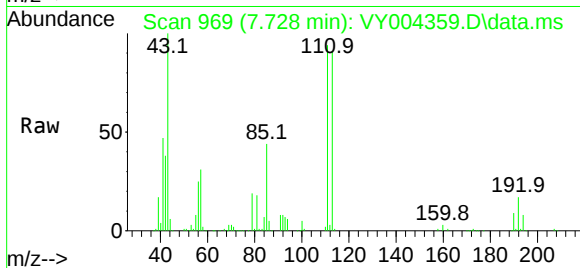
MSVOA_Y

ClientSampleId :

16873

Tgt Ion:113 Resp: 113132

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.6	124.0
192	19.2	16.4	24.6



#39

Methylcyclohexane

Concen: 557.57 ug/l

RT: 9.191 min Scan# 1209

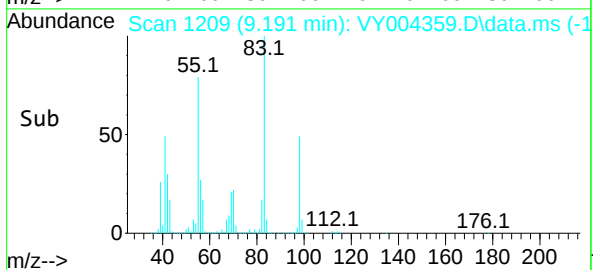
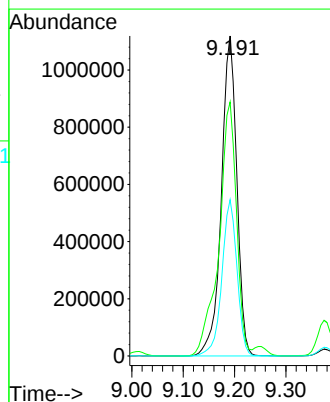
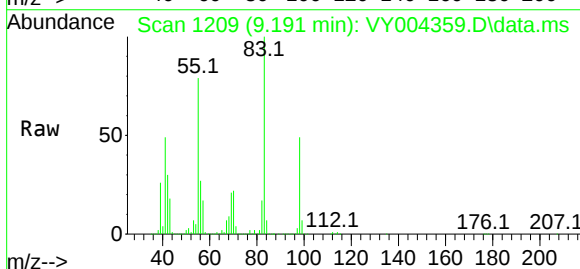
Delta R.T. 0.006 min

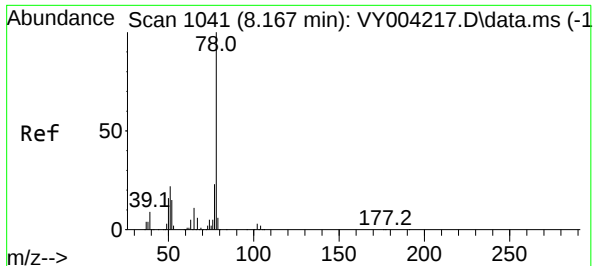
Lab File: VY004359.D

Acq: 09 Apr 2021 15:46

Tgt Ion: 83 Resp: 2336852

Ion	Ratio	Lower	Upper
83	100		
55	79.4	60.0	90.0
98	48.8	40.2	60.2

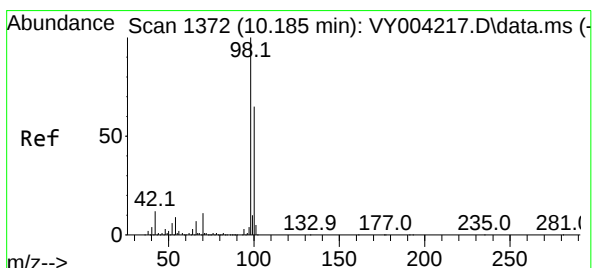
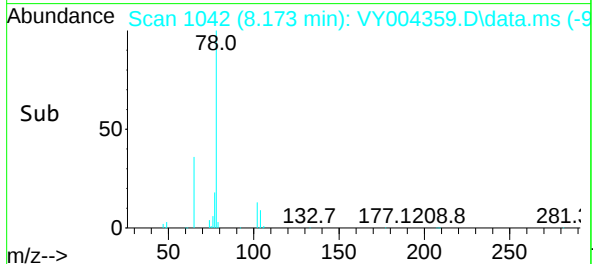
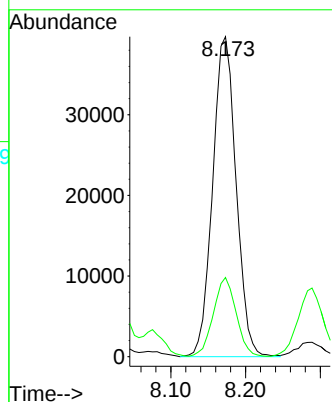
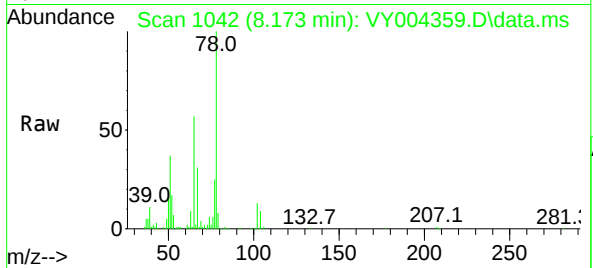




#40
Benzene
Concen: 9.02 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

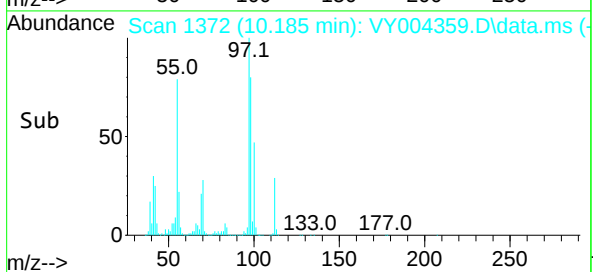
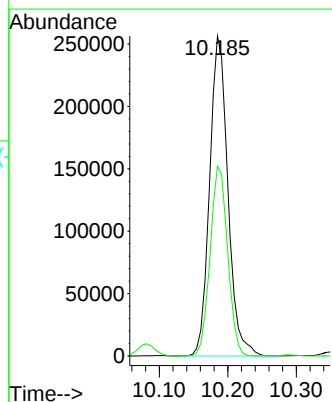
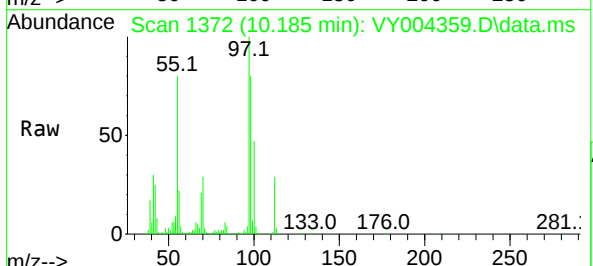
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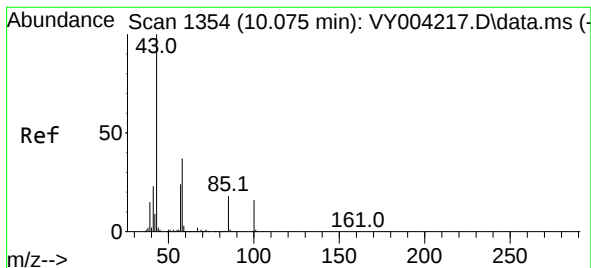
Tgt Ion: 78 Resp: 86557
Ion Ratio Lower Upper
78 100
77 24.1 18.3 27.5



#50
Toluene-d8
Concen: 61.15 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion: 98 Resp: 475162
Ion Ratio Lower Upper
98 100
100 56.8 52.5 78.7

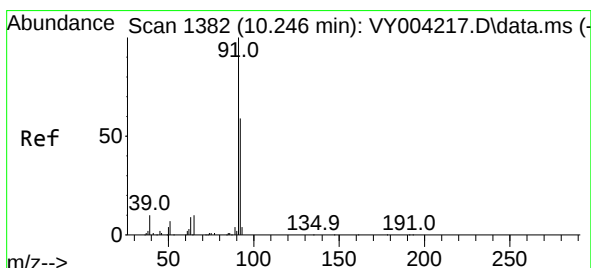
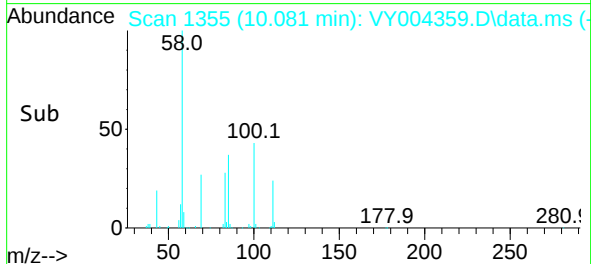
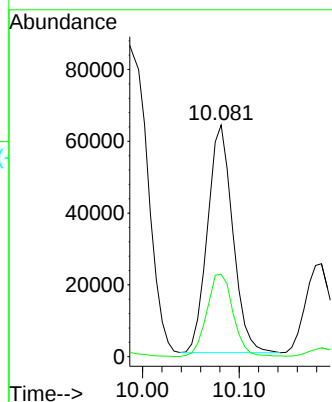
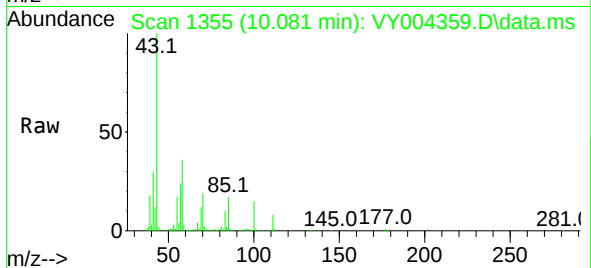




#51
4-Methyl-2-Pentanone
Concen: 60.07 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

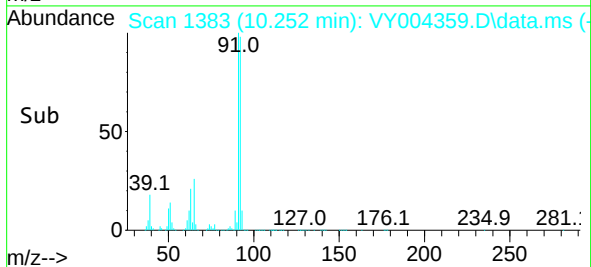
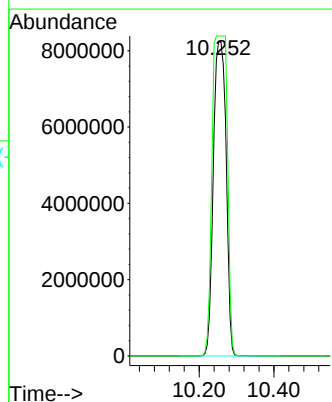
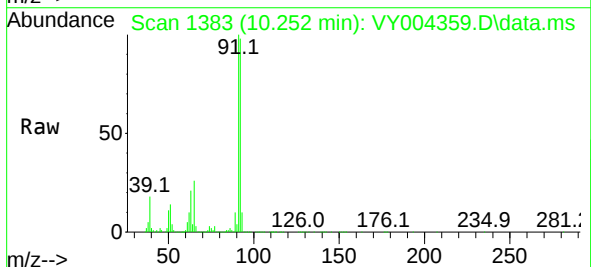
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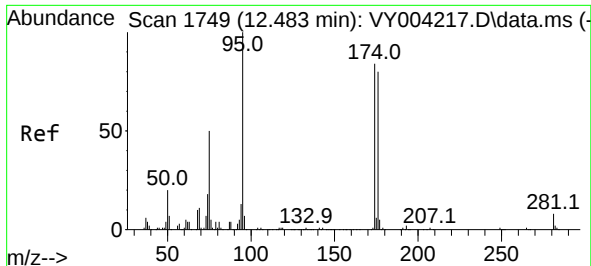
Tgt Ion: 43 Resp: 115067
Ion Ratio Lower Upper
43 100
58 37.6 30.6 45.8



#52
Toluene
Concen: 3150.79 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion: 92 Resp:19437098
Ion Ratio Lower Upper
92 100
91 0.0 136.0 204.0#

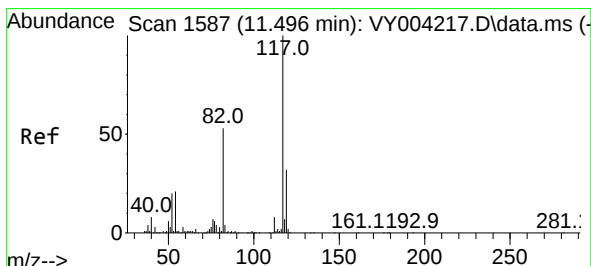
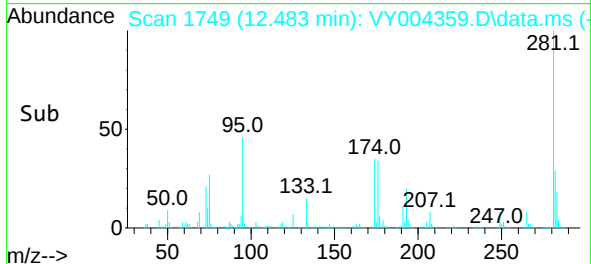
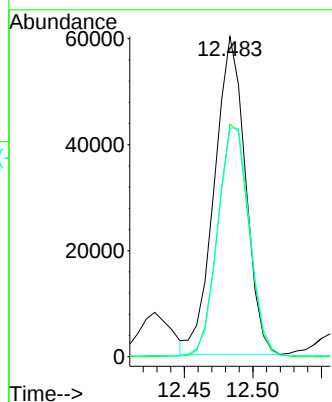
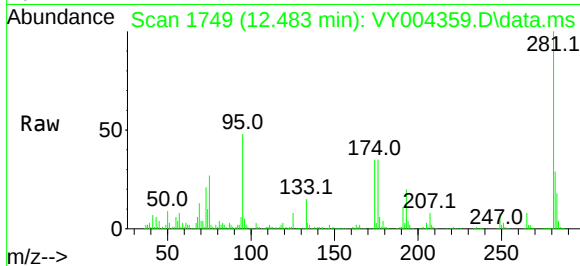




#62
4-Bromofluorobenzene
Concen: 35.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

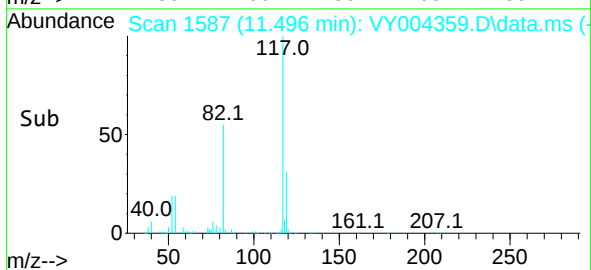
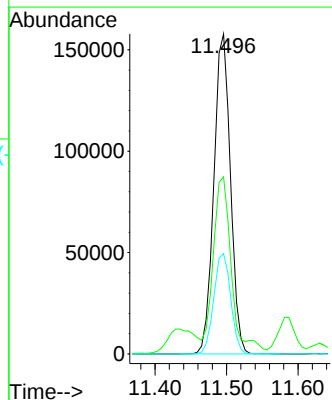
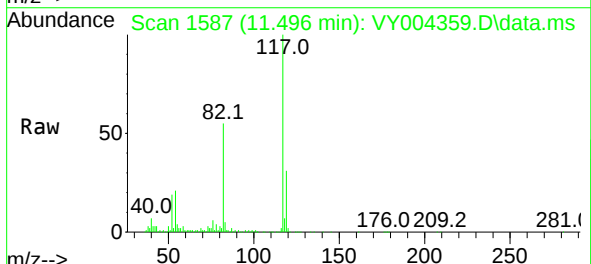
Instrument :
MSVOA_Y
ClientSampleId :
16873

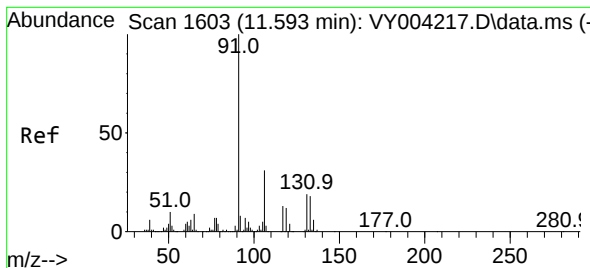
Tgt Ion: 95 Resp: 94373
Ion Ratio Lower Upper
95 100
174 73.8 0.0 171.4
176 73.8 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion: 117 Resp: 253712
Ion Ratio Lower Upper
117 100
82 47.5 42.7 64.1
119 31.3 25.7 38.5

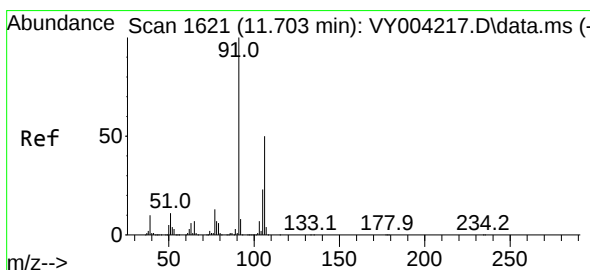
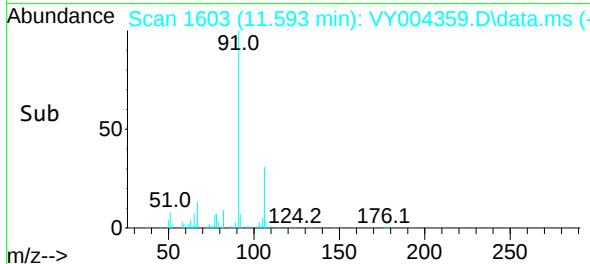
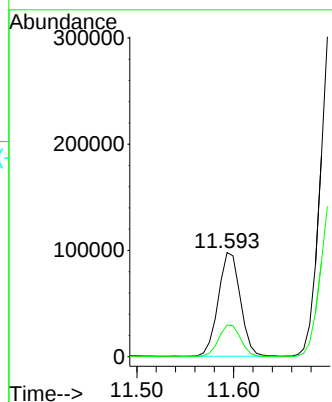
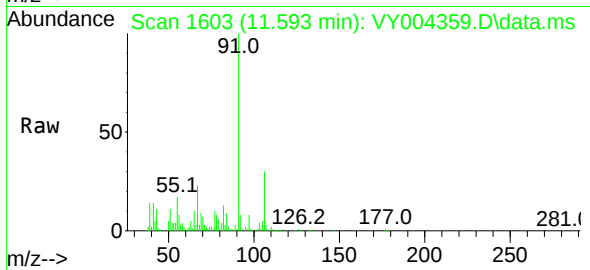




#67
Ethyl Benzene
Concen: 16.79 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

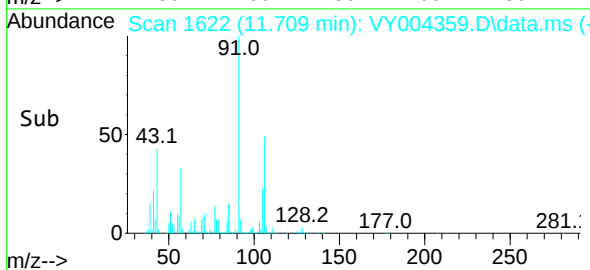
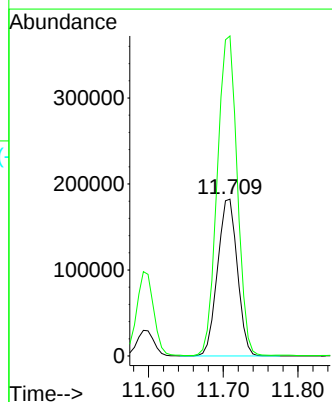
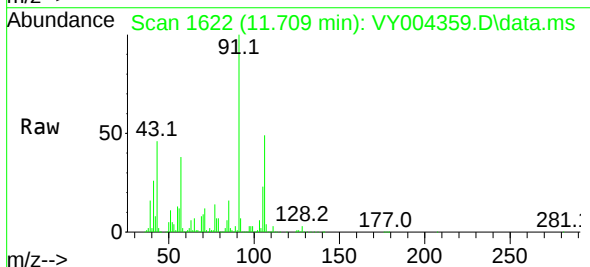
Instrument :
MSVOA_Y
ClientSampleId :
16873

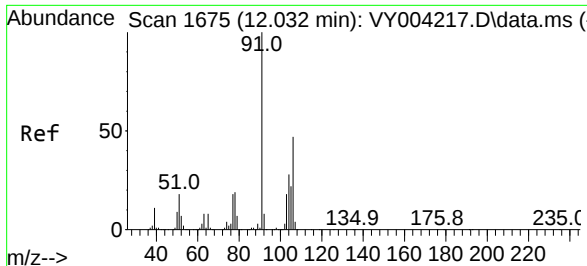
Tgt Ion: 91 Resp: 154252
Ion Ratio Lower Upper
91 100
106 30.5 25.0 37.6



#68
m/p-Xylenes
Concen: 95.45 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion:106 Resp: 336747
Ion Ratio Lower Upper
106 100
91 205.3 159.8 239.6

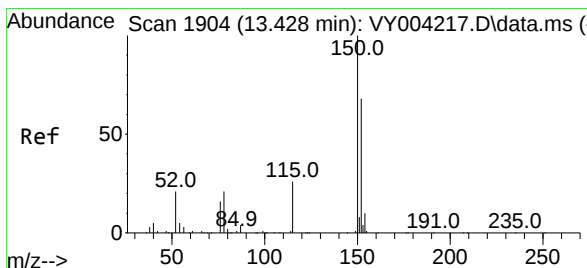
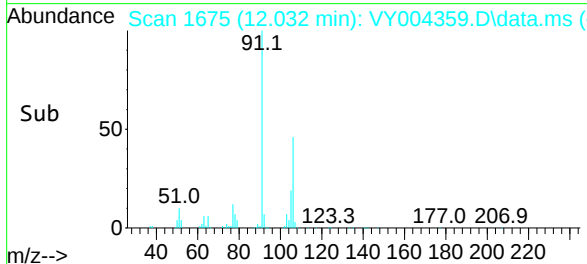
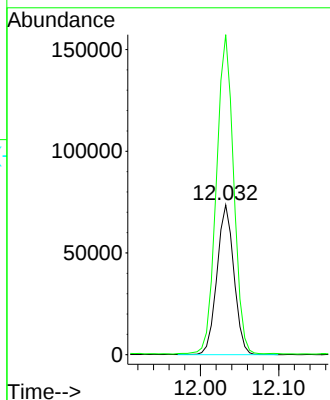
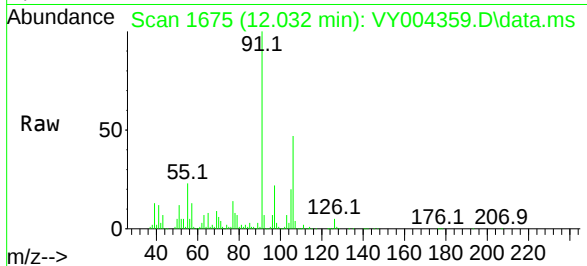




#69
o-Xylene
Concen: 33.59 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

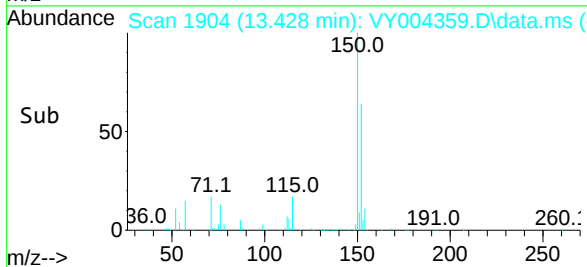
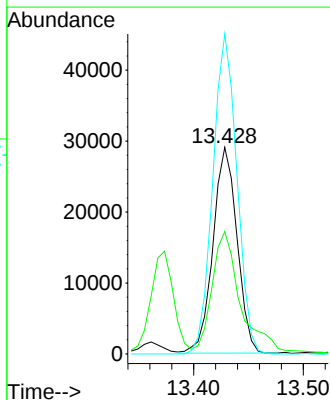
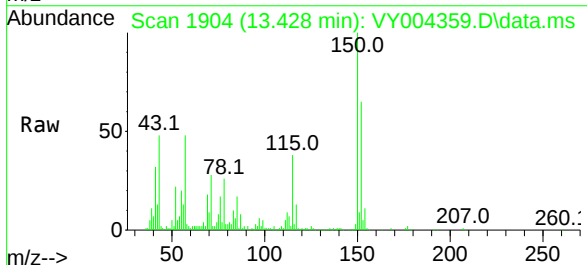
Instrument :
MSVOA_Y
ClientSampleId :
16873

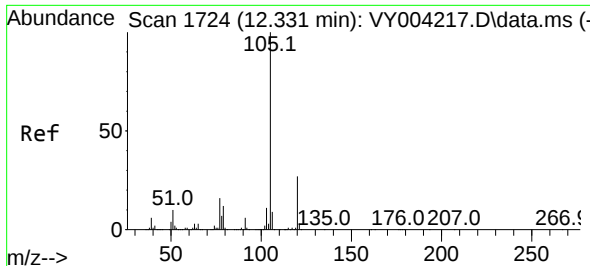
Tgt Ion:106 Resp: 110896
Ion Ratio Lower Upper
106 100
91 217.0 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion:152 Resp: 44200
Ion Ratio Lower Upper
152 100
115 68.9 29.0 87.1
150 155.7 0.0 347.4

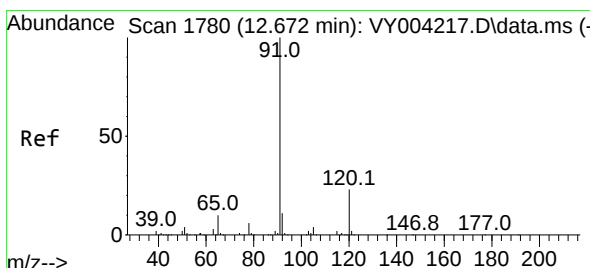
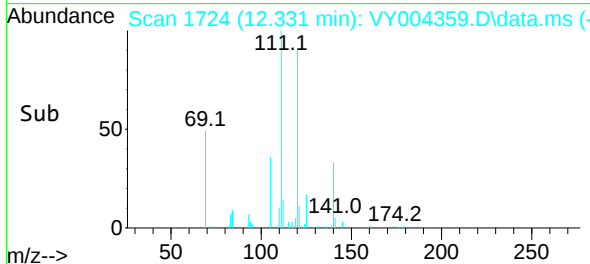
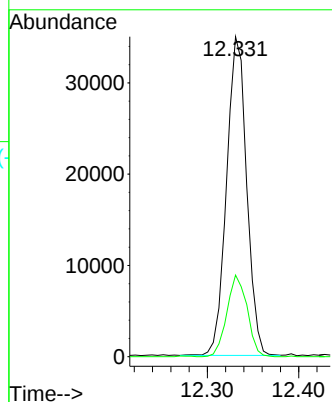
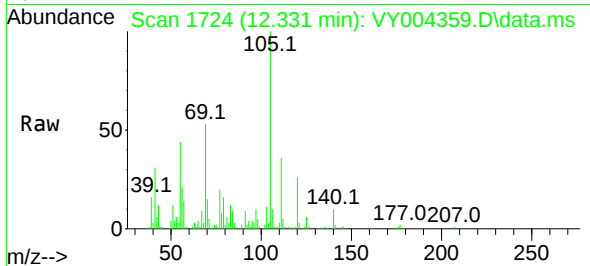




#73
Isopropylbenzene
Concen: 16.55 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

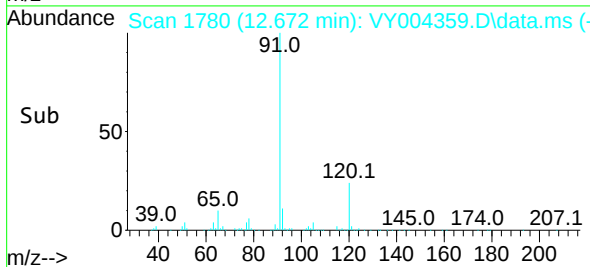
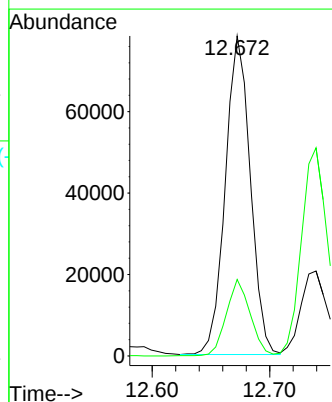
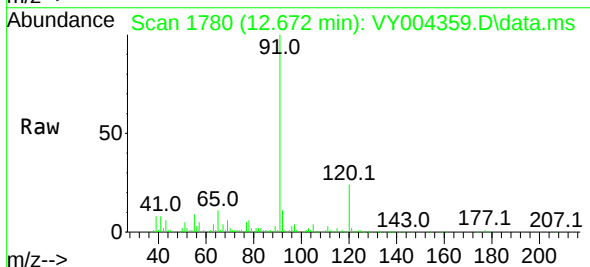
Instrument :
MSVOA_Y
ClientSampleId :
16873

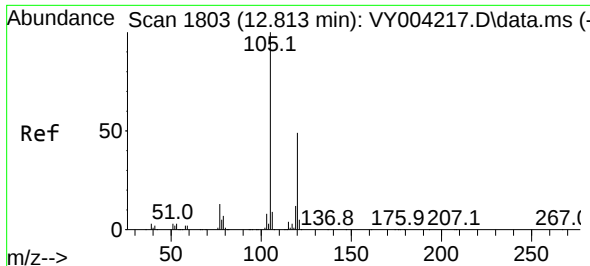
Tgt Ion: 105 Resp: 53454
Ion Ratio Lower Upper
105 100
120 25.7 13.7 41.0



#78
n-propylbenzene
Concen: 30.97 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion: 91 Resp: 115695
Ion Ratio Lower Upper
91 100
120 23.1 11.9 35.5

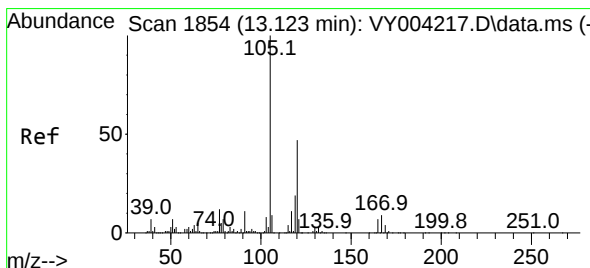
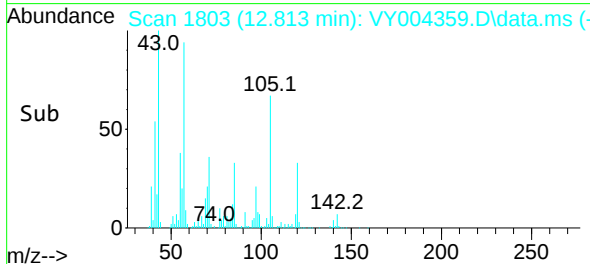
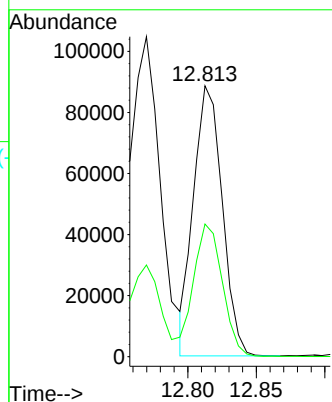
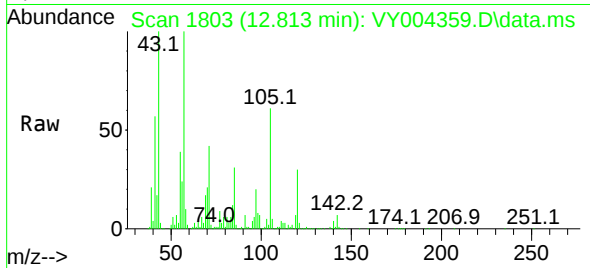




#80
1,3,5-Trimethylbenzene
Concen: 48.93 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

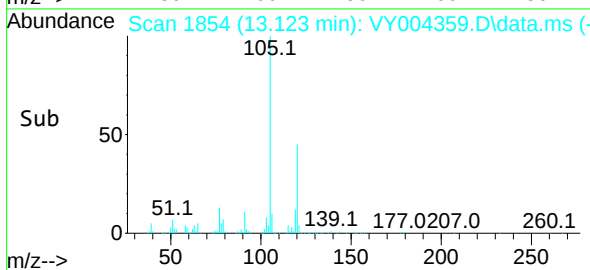
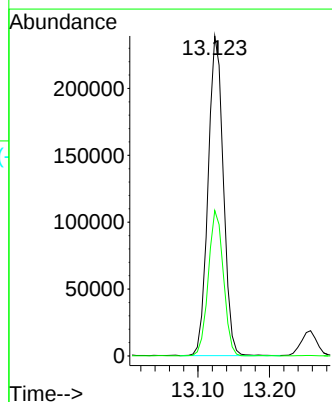
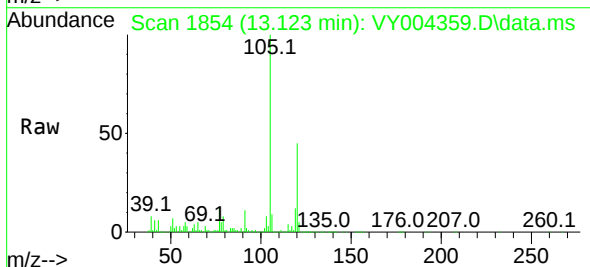
Instrument :
MSVOA_Y
ClientSampleId :
16873

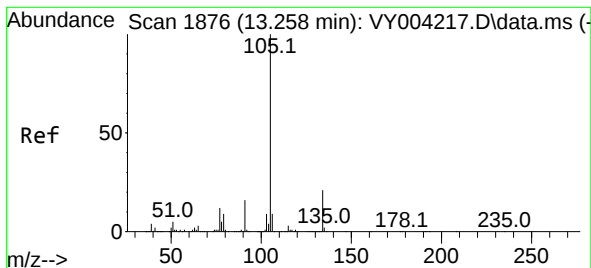
Tgt Ion:105 Resp: 128886
Ion Ratio Lower Upper
105 100
120 50.5 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 133.61 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion:105 Resp: 353023
Ion Ratio Lower Upper
105 100
120 45.0 22.9 68.7





#85

sec-Butylbenzene

Concen: 9.06 ug/l

RT: 13.258 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VY004359.D

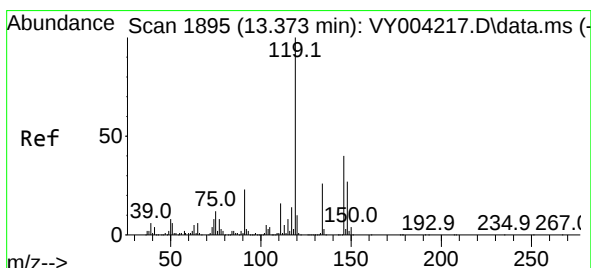
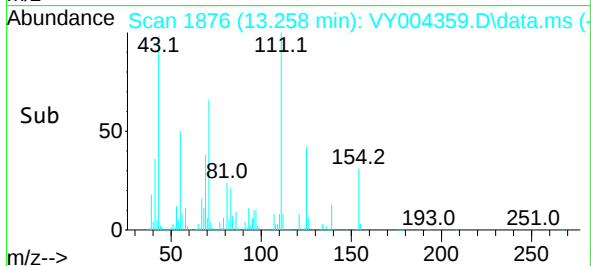
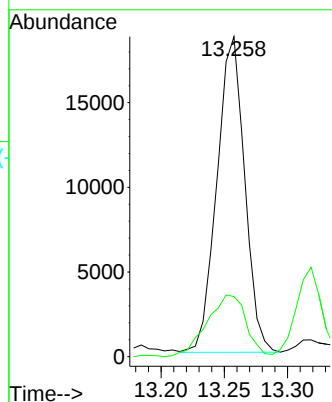
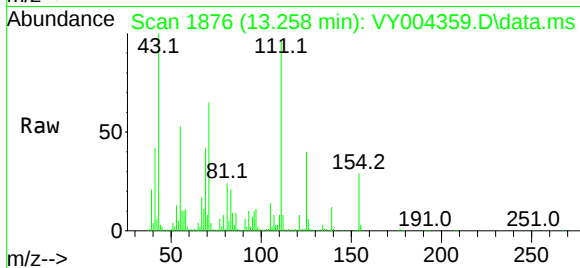
Acq: 09 Apr 2021 15:46

Tgt Ion:105 Resp: 28384

Ion Ratio Lower Upper

105 100

134 27.5 10.4 31.4



#86

p-Isopropyltoluene

Concen: 93.29 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.000 min

Lab File: VY004359.D

Acq: 09 Apr 2021 15:46

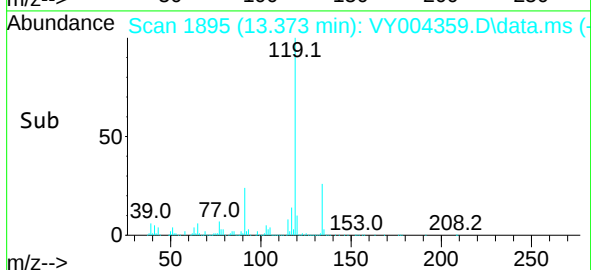
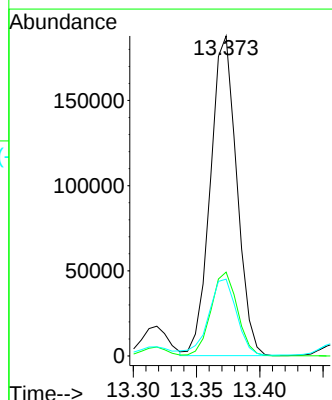
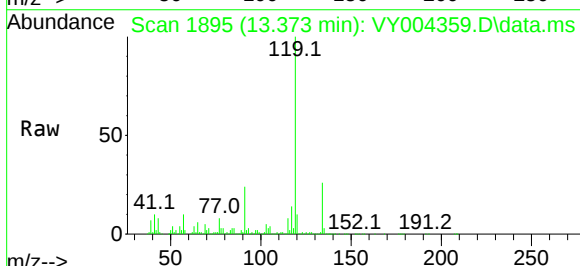
Tgt Ion:119 Resp: 271949

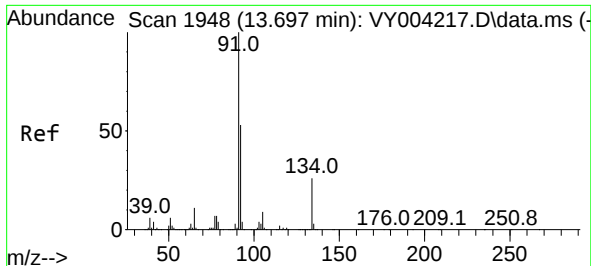
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.9

91 25.1 12.0 36.0

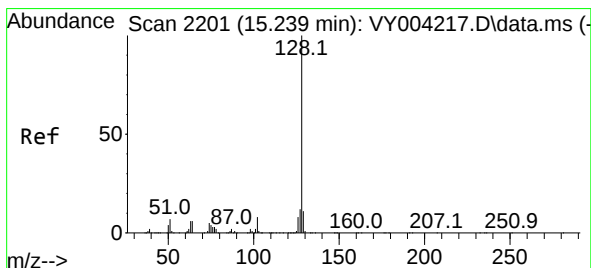
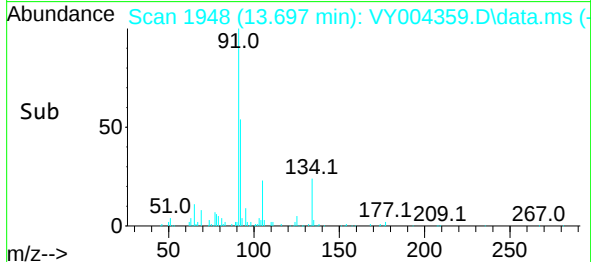
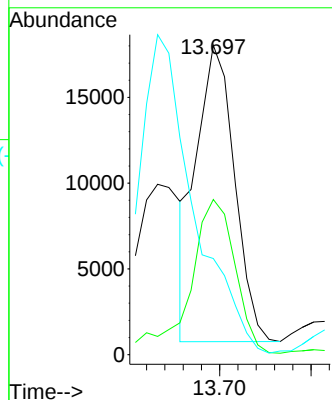
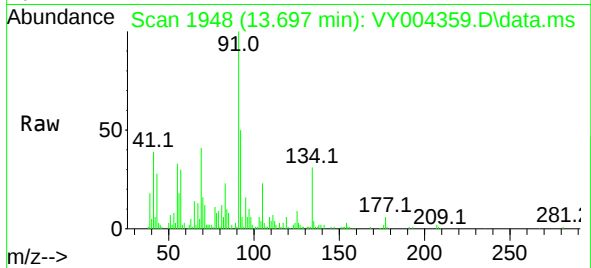




#89
n-Butylbenzene
Concen: 9.35 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Instrument :
MSVOA_Y
ClientSampled :
16873

Tgt Ion: 91 Resp: 25061
Ion Ratio Lower Upper
91 100
92 61.1 26.5 79.4
134 0.0 13.6 40.7#



#95
Naphthalene
Concen: 16.04 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004359.D
Acq: 09 Apr 2021 15:46

Tgt Ion: 128 Resp: 30620
Ion Ratio Lower Upper
128 100
127 19.4 10.1 15.1#
129 10.3 8.9 13.3

