

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004938.D
 Acq On : 03 Jun 2021 15:49
 Operator : SY/MD
 Sample : M2589-08
 Misc : 6.27G/5ML/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jun 04 01:16:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

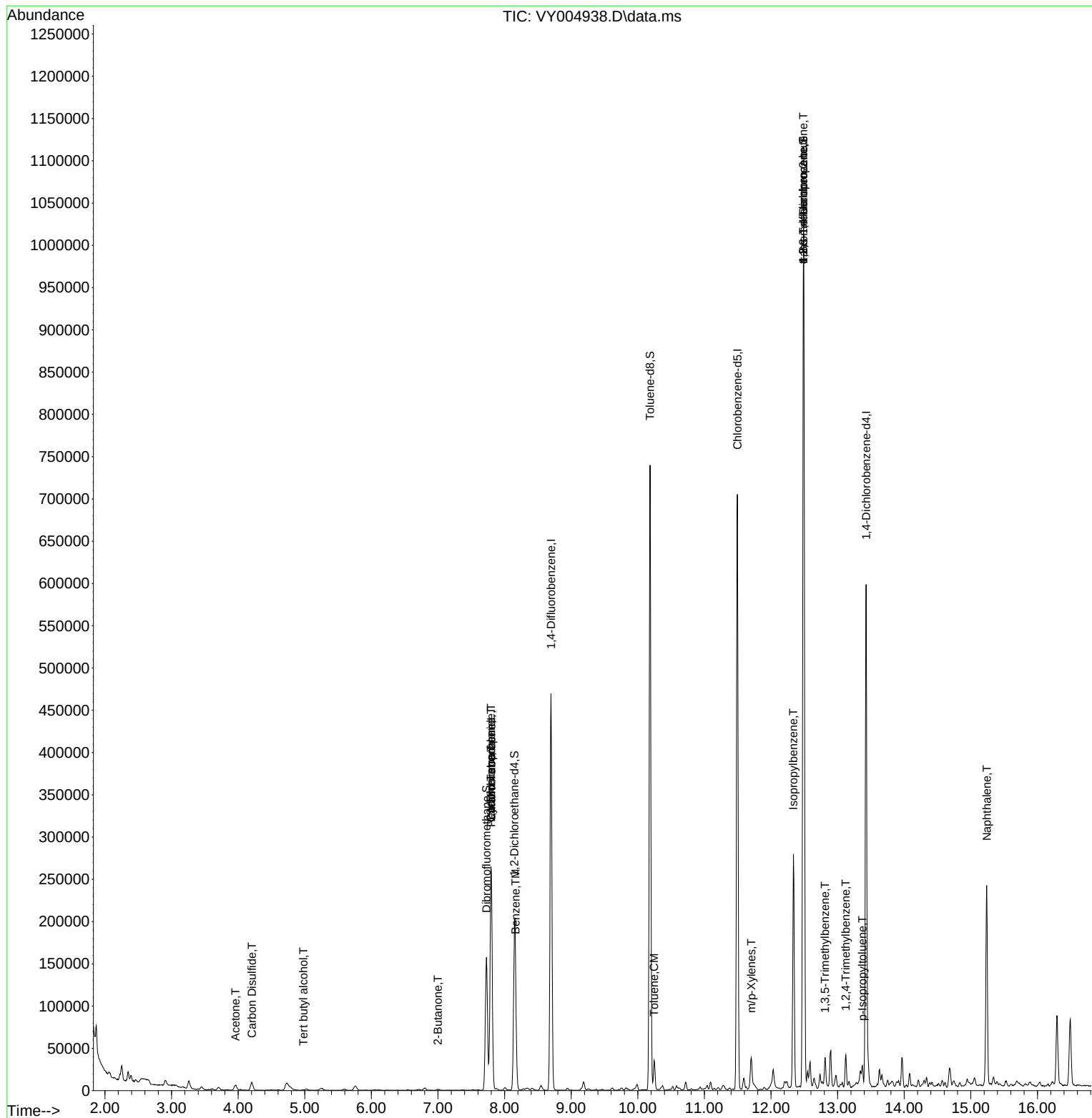
Internal Standards						
1) Pentafluorobenzene	7.801	168	200706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	384962	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	374090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143270	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	141254	66.57	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.14%			
35) Dibromofluoromethane	7.728	113	110012	53.12	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.24%			
50) Toluene-d8	10.185	98	454245	52.81	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.62%			
62) 4-Bromofluorobenzene	12.483	95	160781	54.35	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.70%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.978	59	491	2.01	ug/l #	74
13) Acrolein	3.747	56	95	Below Cal	#	15
16) Acetone	3.960	43	10618	20.79	ug/l #	89
17) Carbon Disulfide	4.204	76	17830	2.81	ug/l	99
20) Methylene Chloride	4.728	84	5696	Below Cal	#	89
25) 2-Butanone	6.996	43	1980	2.31	ug/l #	90
31) Cyclohexane	7.795	56	6460	1.73	ug/l #	2
36) 1,1-Dichloropropene	7.795	75	16379	4.35	ug/l #	49
38) Carbon Tetrachloride	7.795	117	20195	6.16	ug/l #	17
40) Benzene	8.167	78	37976	3.52	ug/l	100
52) Toluene	10.246	92	13746	2.11	ug/l	98
68) m/p-Xylenes	11.703	106	10132	1.97	ug/l	98
73) Isopropylbenzene	12.337	105	13467	1.24	ug/l #	70
76) 1,2,3-Trichloropropane	12.483	75	93139	59.30	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	12385	1.39	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	93139	108.99	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	20003	2.25	ug/l	99
86) p-Isopropyltoluene	13.373	119	12853	1.36	ug/l #	81
95) Naphthalene	15.239	128	189987	33.83	ug/l	100

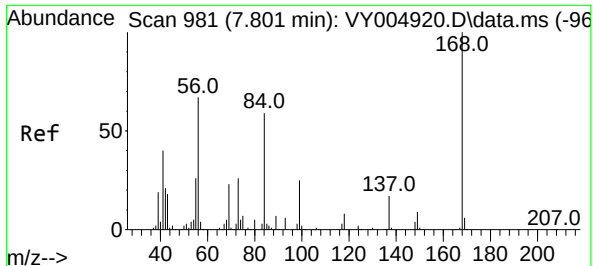
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

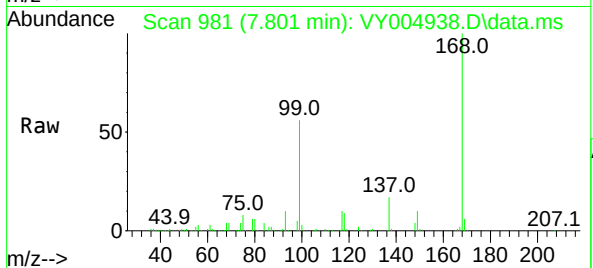
Quant Time: Jun 04 01:16:57 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 03 04:43:33 2021
Response via : Initial Calibration



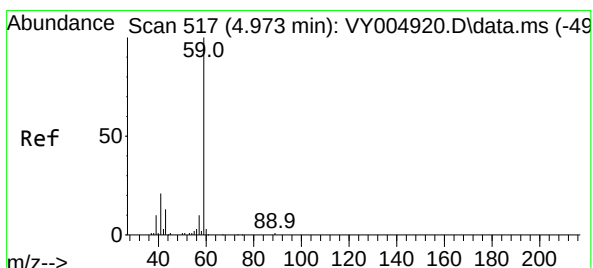
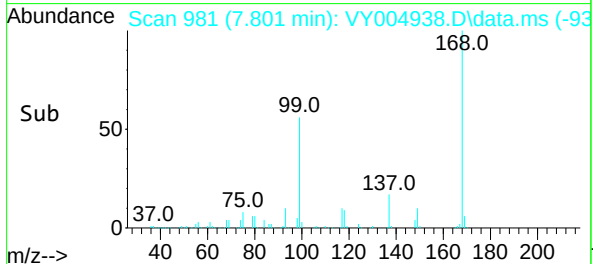
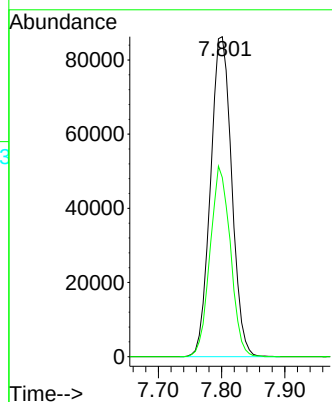


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Instrument :
MSVOA_Y
ClientSampled :

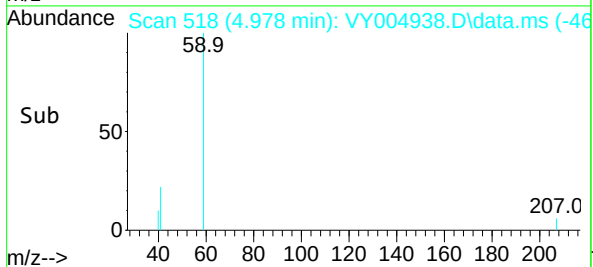
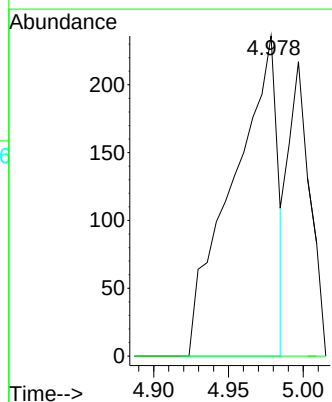
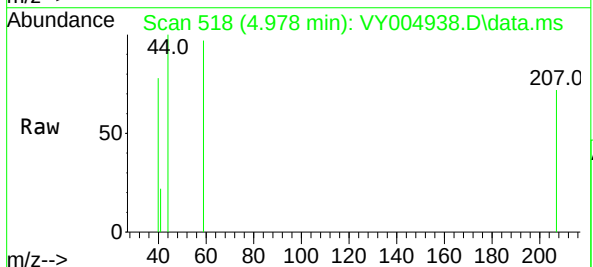


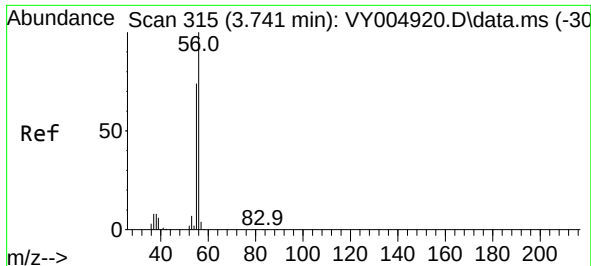
Tgt Ion:168 Resp: 200706
Ion Ratio Lower Upper
168 100
99 56.0 43.9 65.9



#11
Tert butyl alcohol
Concen: 2.01 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.005 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion: 59 Resp: 491
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

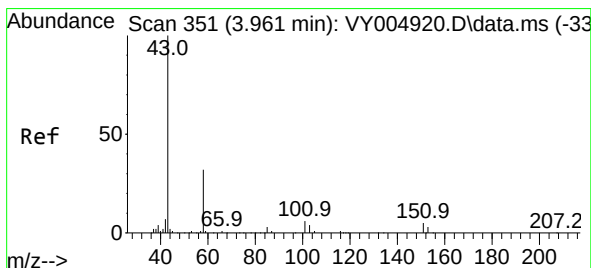
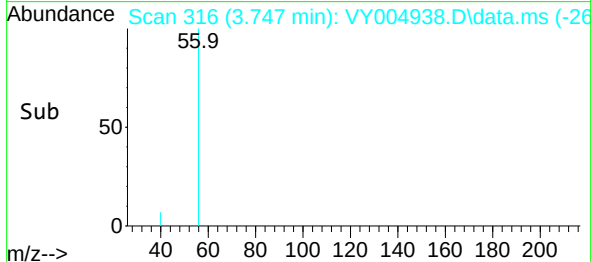
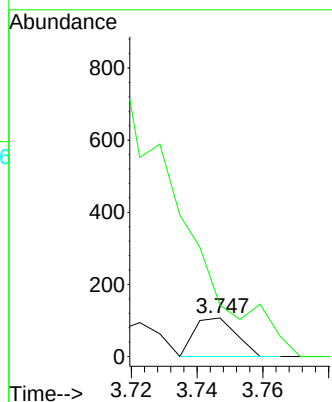
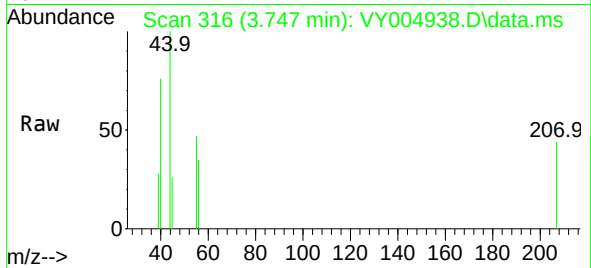




#13
Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.006 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

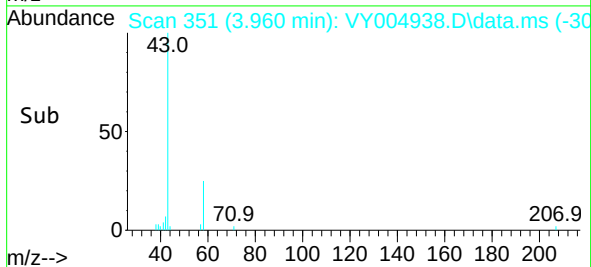
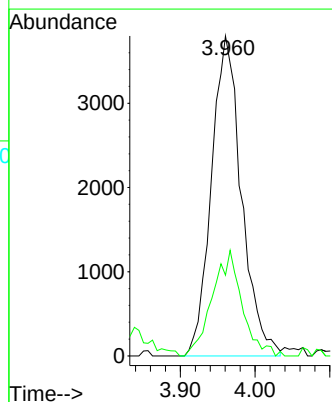
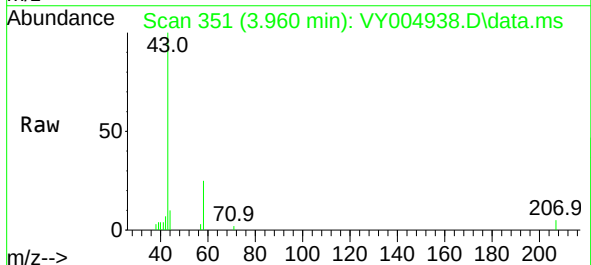
Instrument :
MSVOA_Y
ClientSampled :

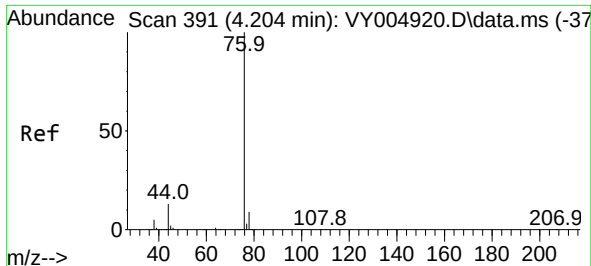
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



#16
Acetone
Concen: 20.79 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion: 43 Resp: 10618
Ion Ratio Lower Upper
43 100
58 25.2 25.3 37.9#

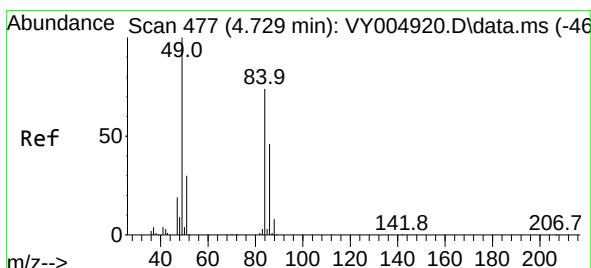
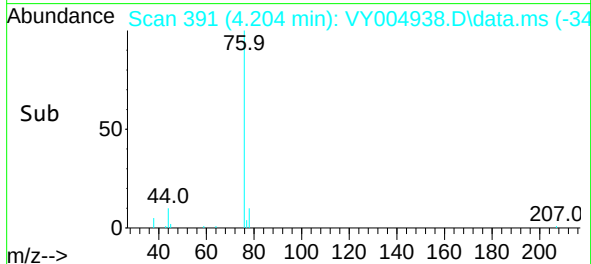
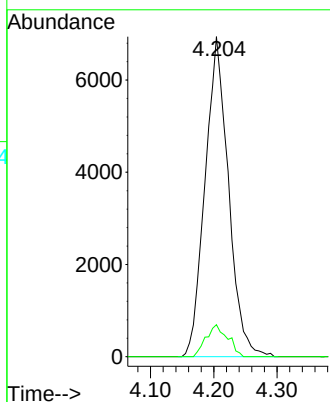
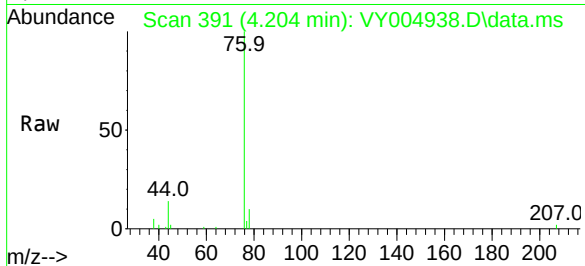




#17
Carbon Disulfide
Concen: 2.81 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

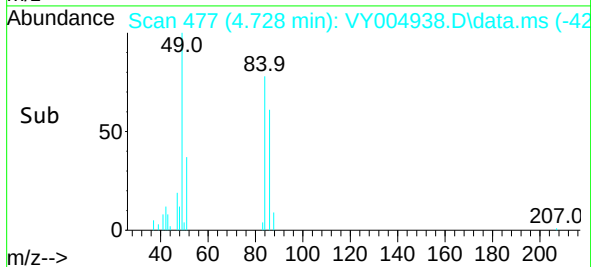
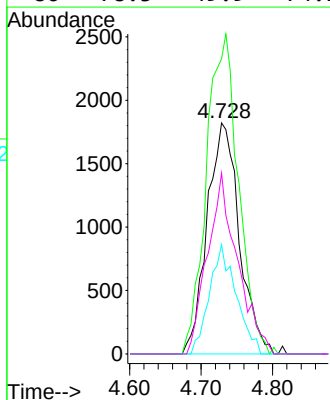
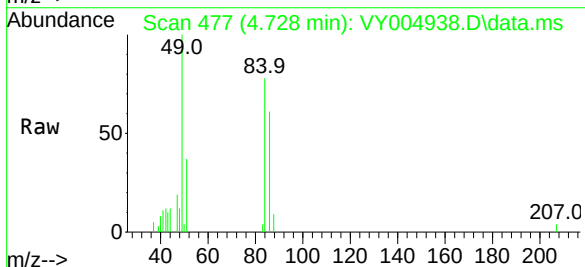
Instrument :
MSVOA_Y
ClientSampled :

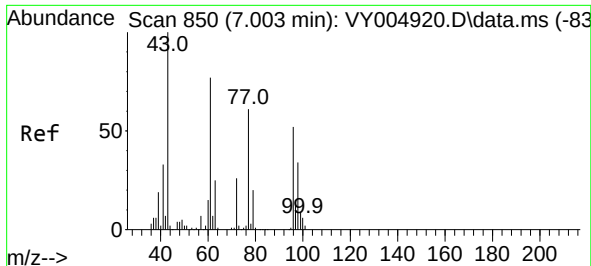
Tgt Ion: 76 Resp: 17830
Ion Ratio Lower Upper
76 100
78 10.0 7.6 11.4



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion: 84 Resp: 5696
Ion Ratio Lower Upper
84 100
49 127.8 108.0 162.0
51 47.3 32.6 48.8
86 78.3 49.9 74.9#

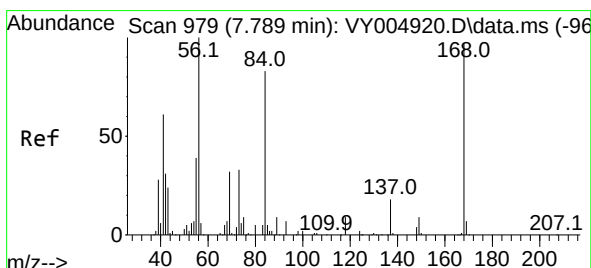
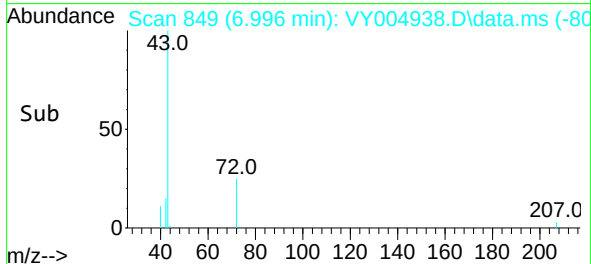
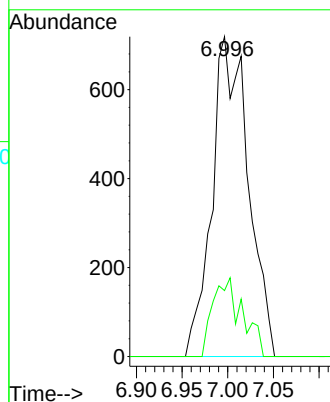
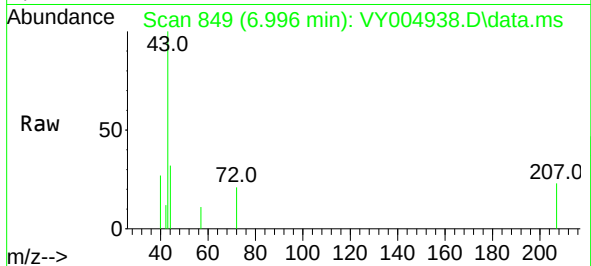




#25
2-Butanone
Concen: 2.31 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

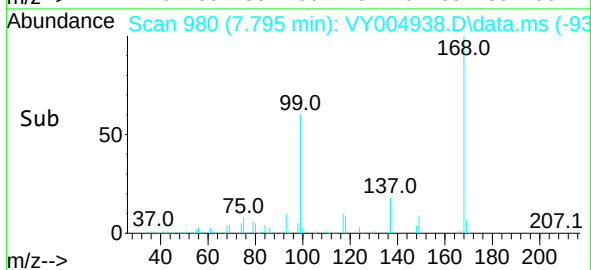
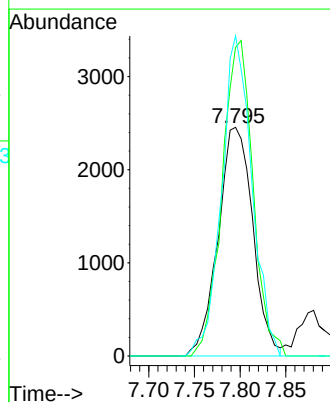
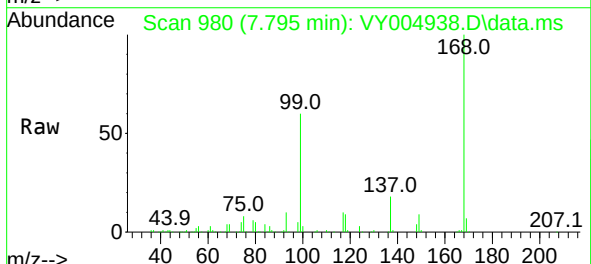
Instrument :
MSVOA_Y
ClientSampled :

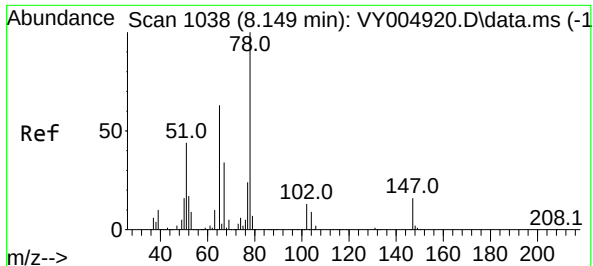
Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
72 20.6 20.6 31.0#



#31
Cyclohexane
Concen: 1.73 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion: 56 Resp: 6460
Ion Ratio Lower Upper
56 100
69 135.0 25.3 37.9#
84 140.0 66.2 99.4#

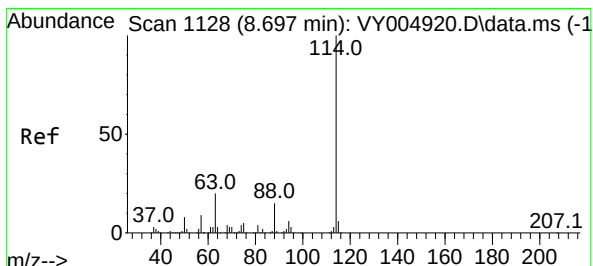
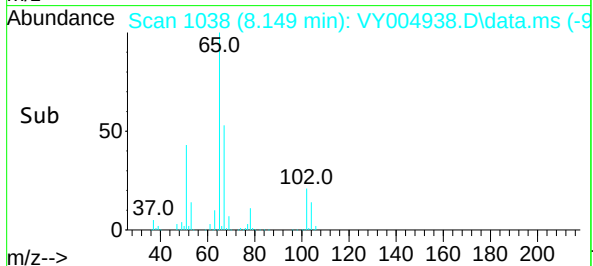
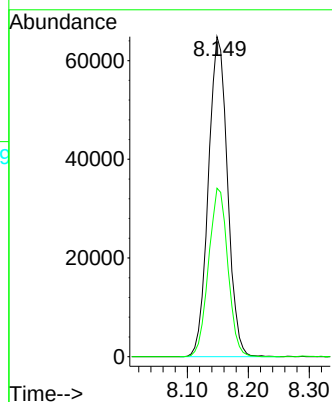
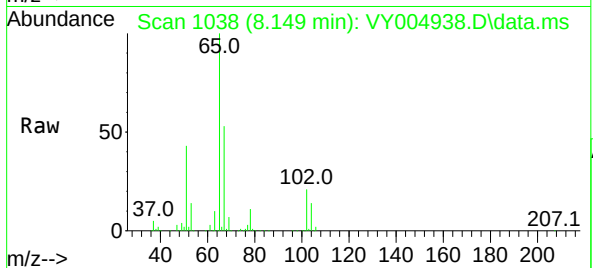




#33
1,2-Dichloroethane-d4
Concen: 66.57 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

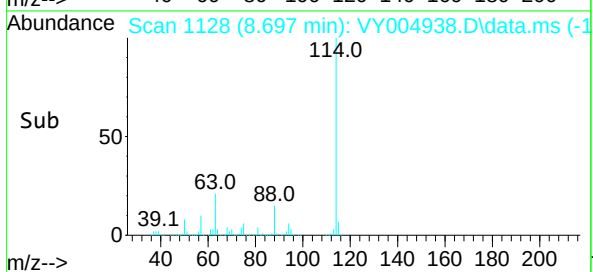
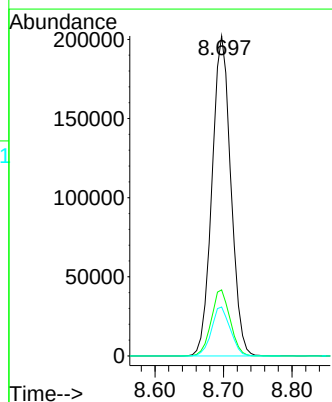
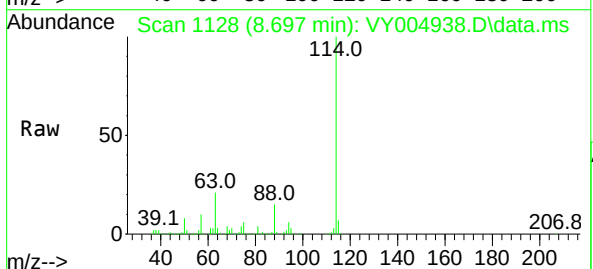
Instrument :
MSVOA_Y
ClientSampled :

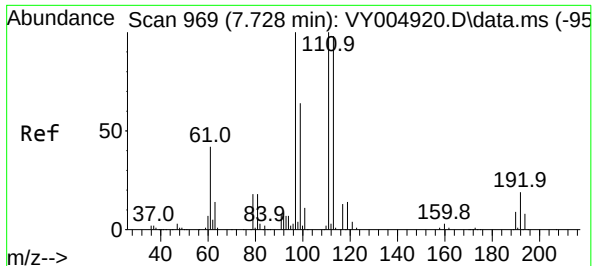
Tgt Ion: 65 Resp: 141254
Ion Ratio Lower Upper
65 100
67 53.1 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion:114 Resp: 384962
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.0
88 15.3 0.0 30.6

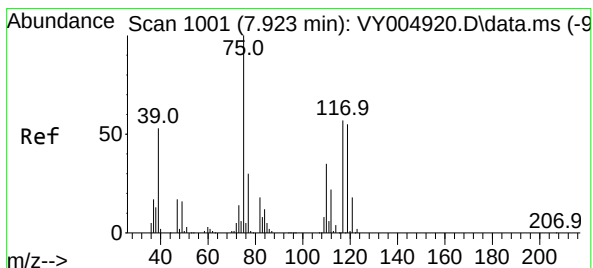
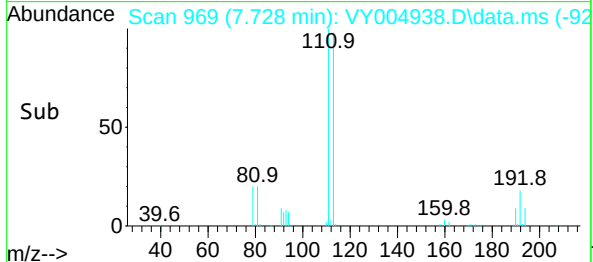
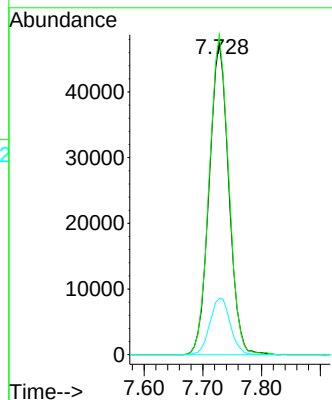
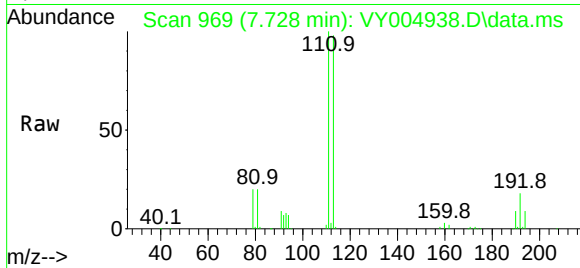




#35
Dibromofluoromethane
Concen: 53.12 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

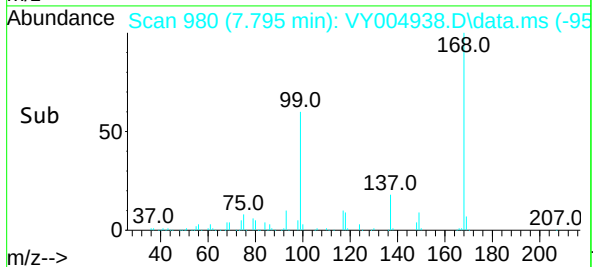
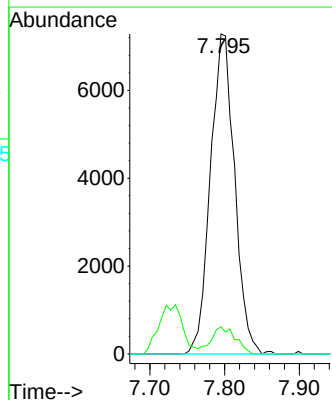
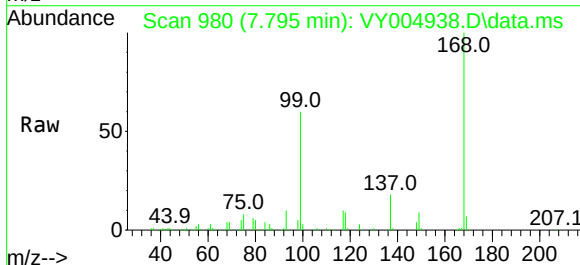
Instrument :
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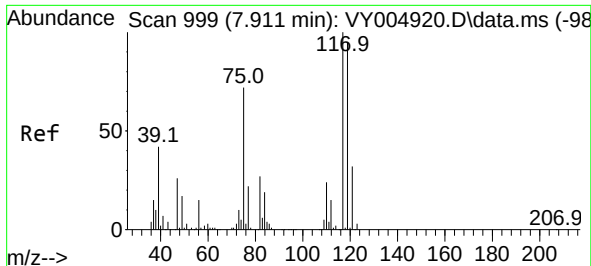
Tgt Ion:	113	Resp:	110012
Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.8	122.8
192	18.8	15.3	22.9



#36
1,1-Dichloropropene
Concen: 4.35 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

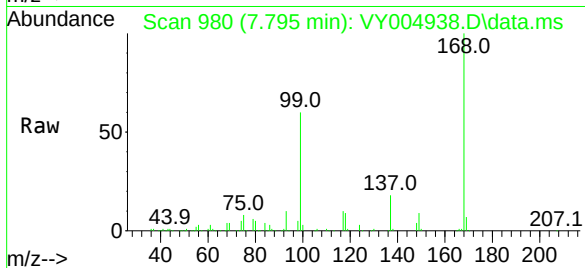
Tgt Ion:	75	Resp:	16379
Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.5	52.5#
77	0.0	25.1	37.7#



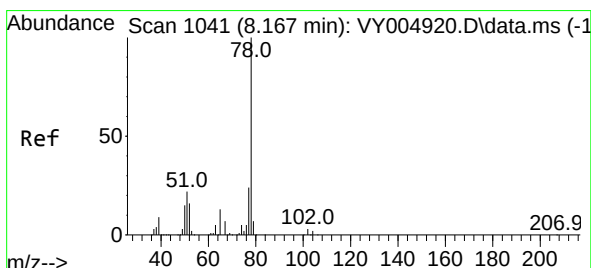
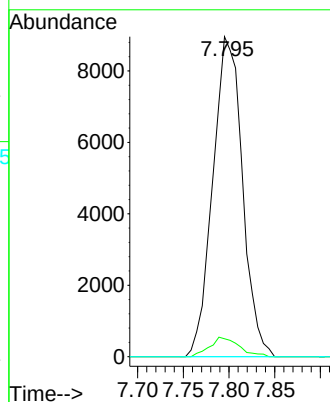
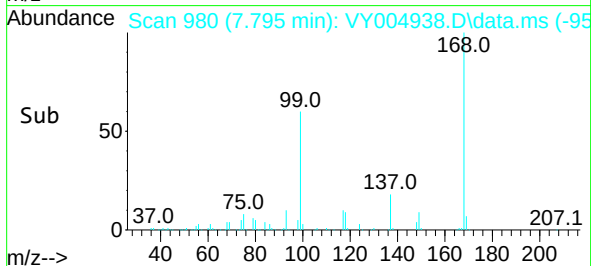


#38
Carbon Tetrachloride
Concen: 6.16 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

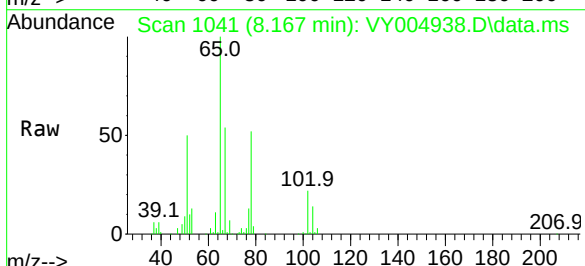
Instrument :
MSVOA_Y
ClientSampled :



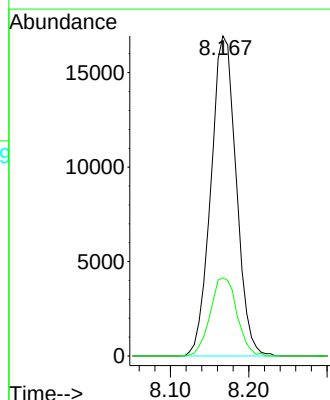
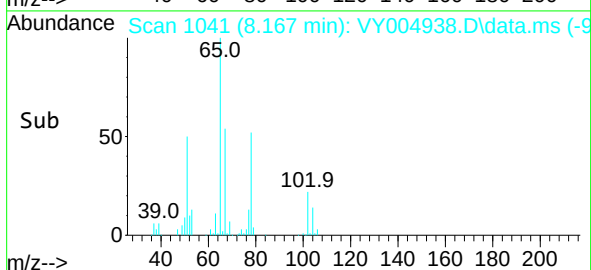
Tgt Ion:117 Resp: 20195
Ion Ratio Lower Upper
117 100
119 5.6 76.1 114.1#
121 0.0 25.5 38.3#

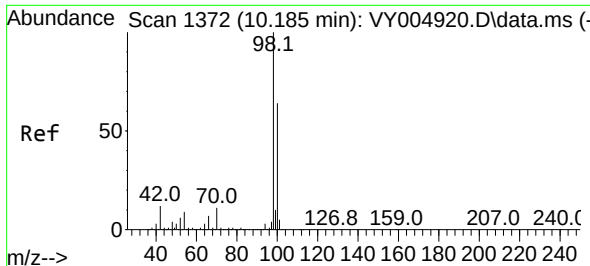


#40
Benzene
Concen: 3.52 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49



Tgt Ion: 78 Resp: 37976
Ion Ratio Lower Upper
78 100
77 24.4 19.4 29.2

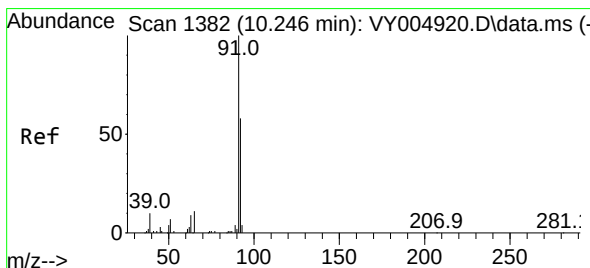
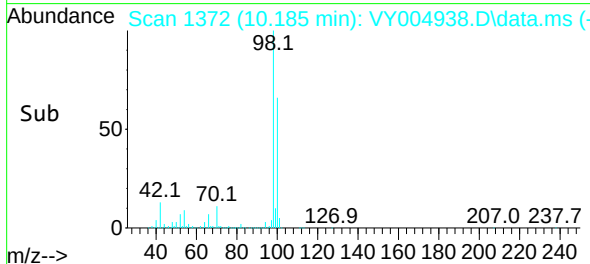
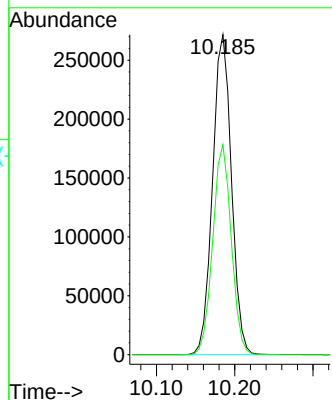
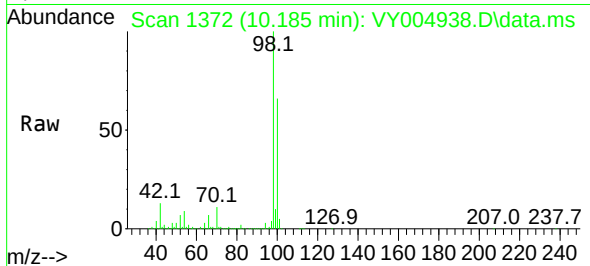




#50
Toluene-d8
Concen: 52.81 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

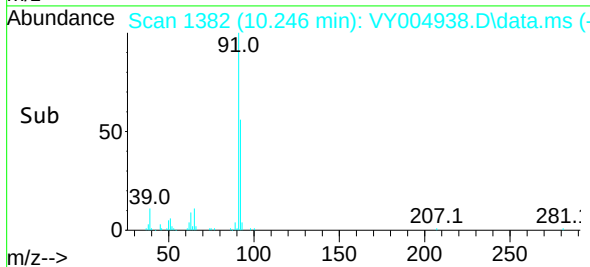
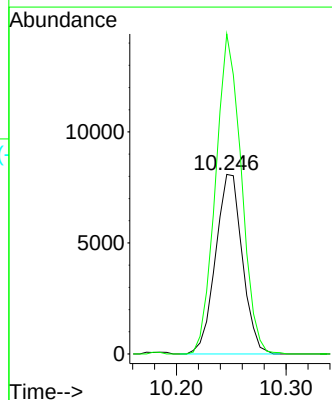
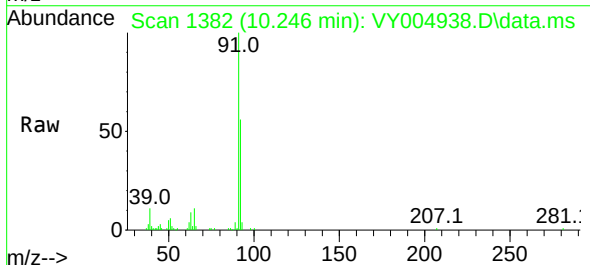
Instrument :
MSVOA_Y
ClientSampleId :

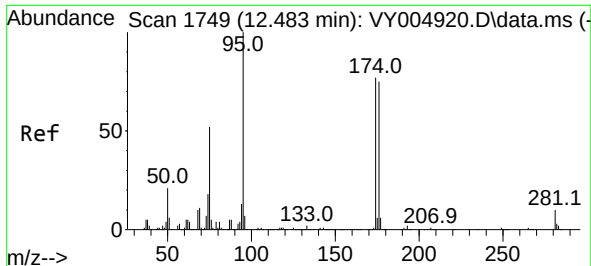
Tgt Ion: 98 Resp: 454245
Ion Ratio Lower Upper
98 100
100 64.6 51.8 77.6



#52
Toluene
Concen: 2.11 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion: 92 Resp: 13746
Ion Ratio Lower Upper
92 100
91 171.0 139.3 208.9

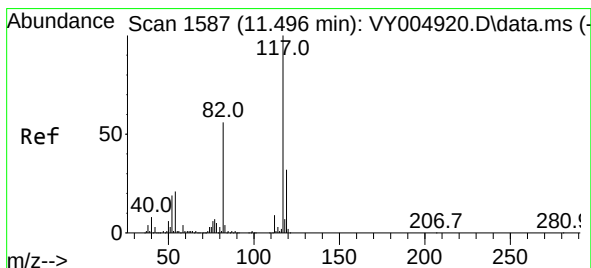
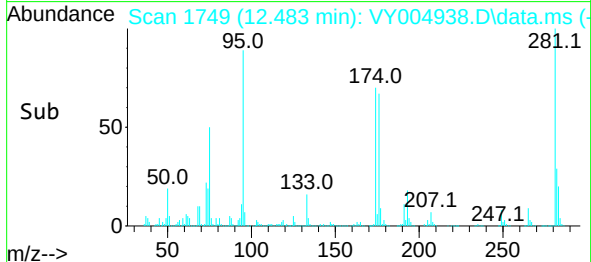
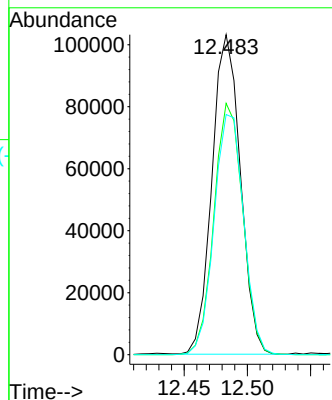
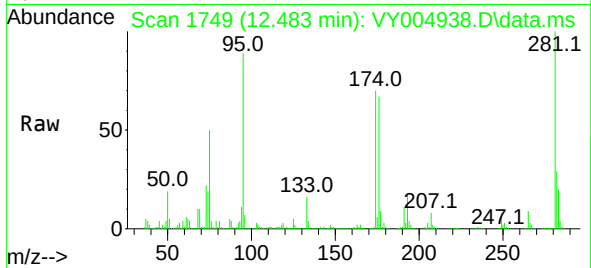




#62
4-Bromofluorobenzene
Concen: 54.35 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

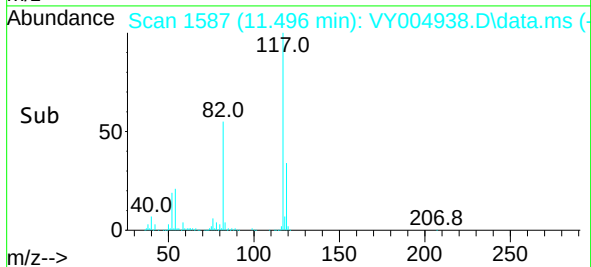
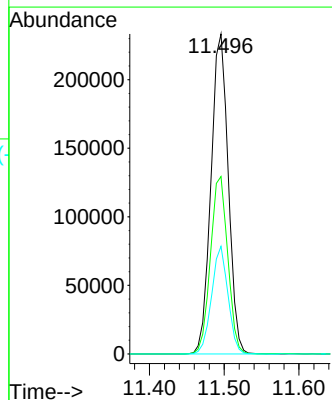
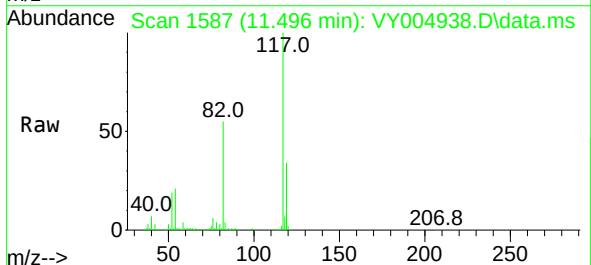
Instrument :
MSVOA_Y
ClientSampled :

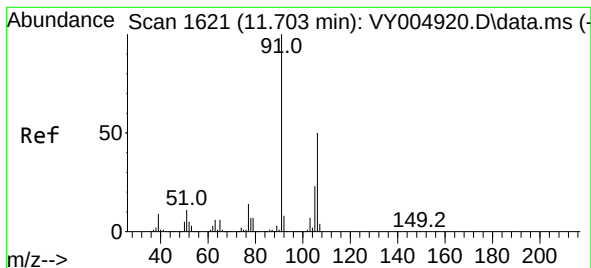
Tgt Ion: 95 Resp: 160781
Ion Ratio Lower Upper
95 100
174 79.8 0.0 160.8
176 78.4 0.0 155.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion: 117 Resp: 374090
Ion Ratio Lower Upper
117 100
82 55.5 44.8 67.2
119 33.6 25.2 37.8

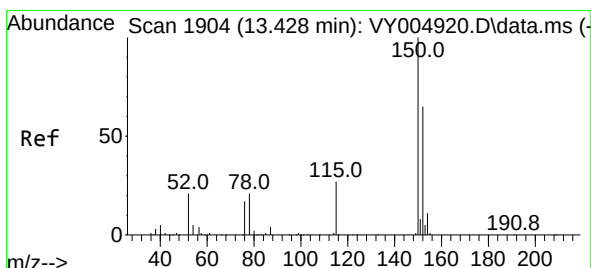
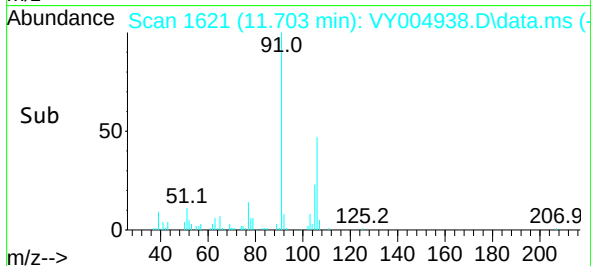
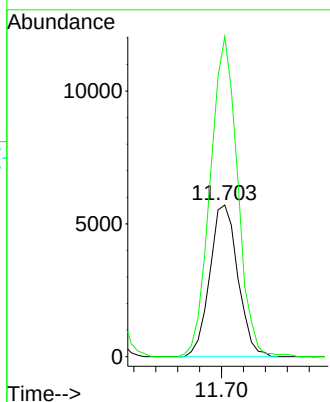
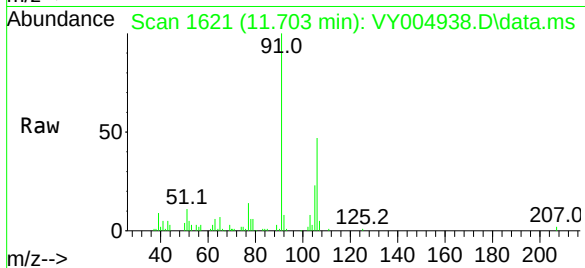




#68
m/p-Xylenes
Concen: 1.97 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

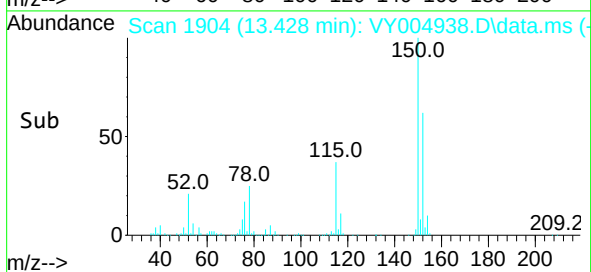
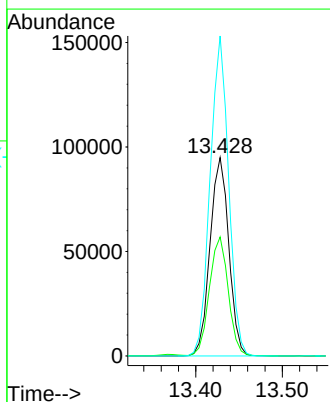
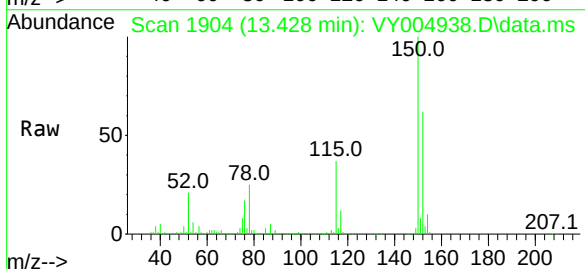
Instrument :
MSVOA_Y
ClientSampled :

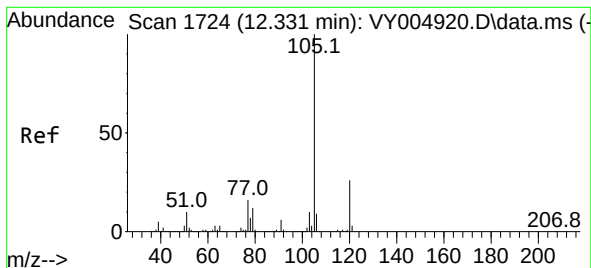
Tgt Ion:106 Resp: 10132
Ion Ratio Lower Upper
106 100
91 205.9 161.9 242.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion:152 Resp: 143270
Ion Ratio Lower Upper
152 100
115 60.3 29.9 89.7
150 157.9 0.0 347.8





#73

Isopropylbenzene

Concen: 1.24 ug/l

RT: 12.337 min Scan# 1725

Delta R.T. 0.006 min

Lab File: VY004938.D

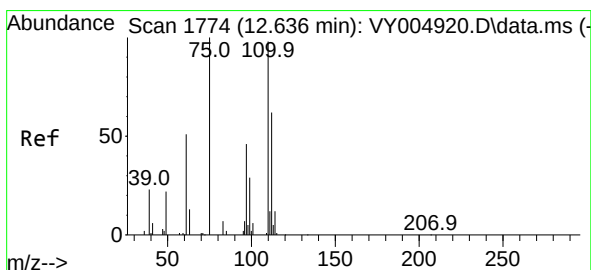
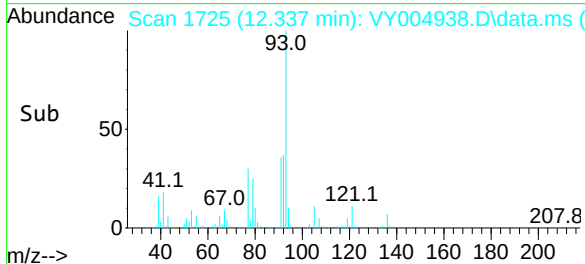
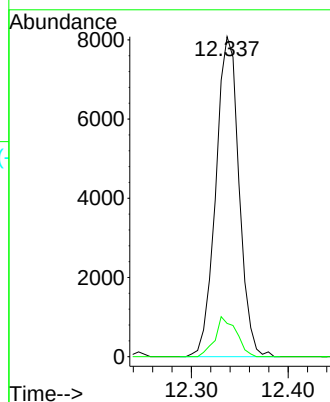
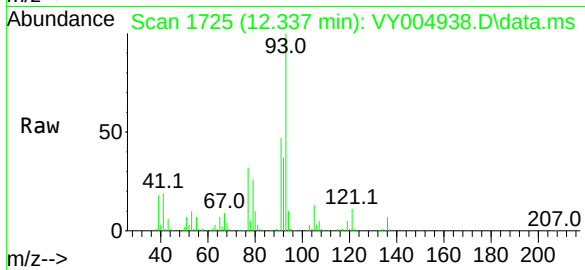
Acq: 03 Jun 2021 15:49

Tgt Ion:105 Resp: 13467

Ion Ratio Lower Upper

105 100

120 11.4 13.3 39.9#



#76

1,2,3-Trichloropropane

Concen: 59.30 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.153 min

Lab File: VY004938.D

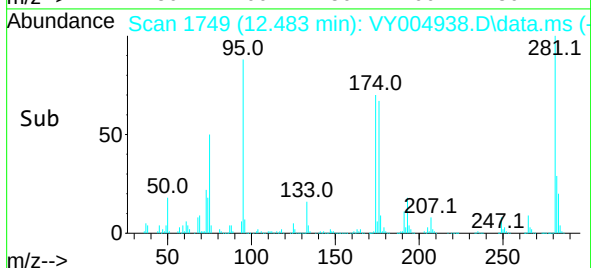
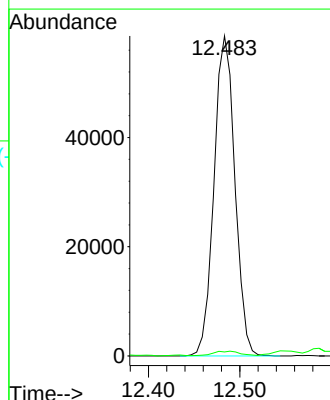
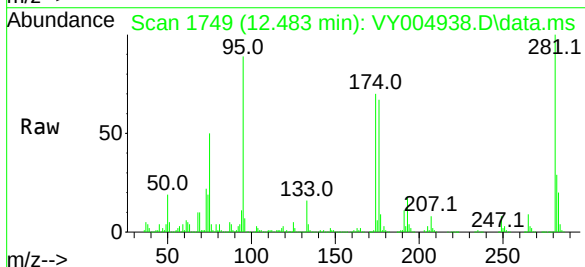
Acq: 03 Jun 2021 15:49

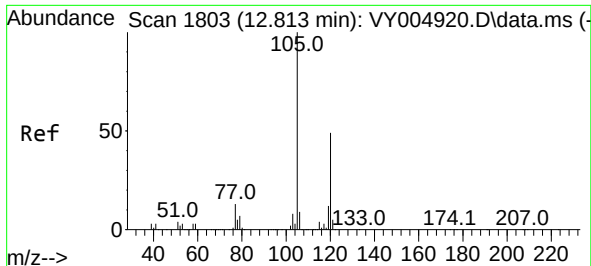
Tgt Ion: 75 Resp: 93139

Ion Ratio Lower Upper

75 100

77 1.7 0.0 0.0#

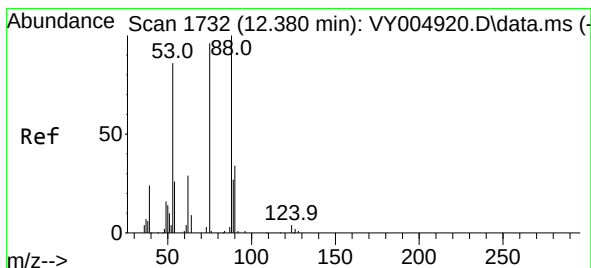
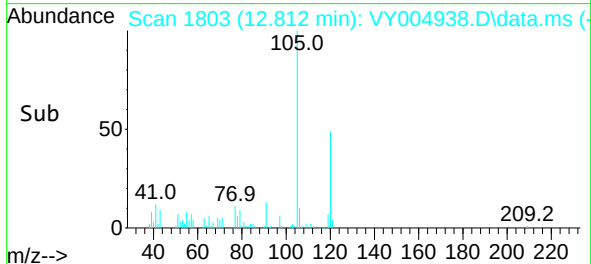
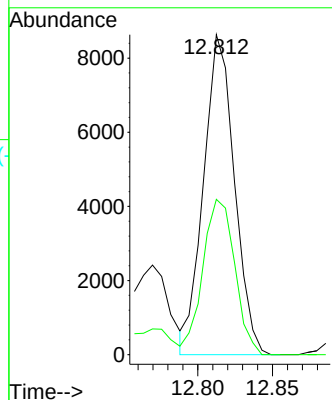
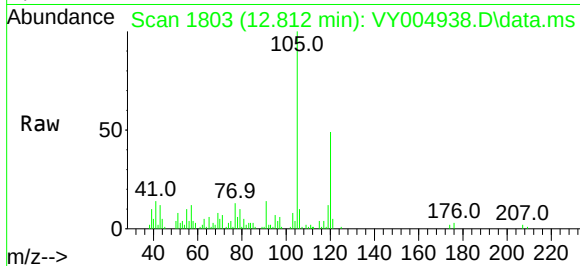




#80
1,3,5-Trimethylbenzene
Concen: 1.39 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

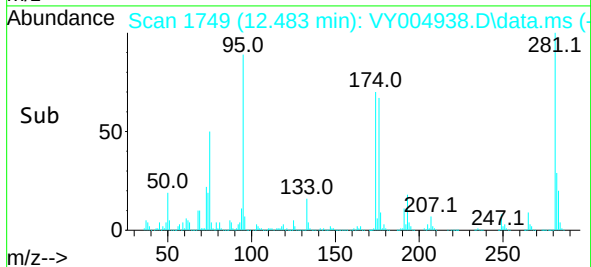
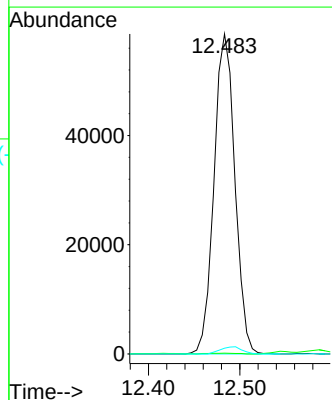
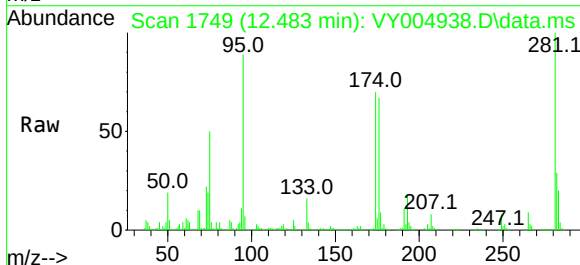
Instrument :
MSVOA_Y
ClientSampled :

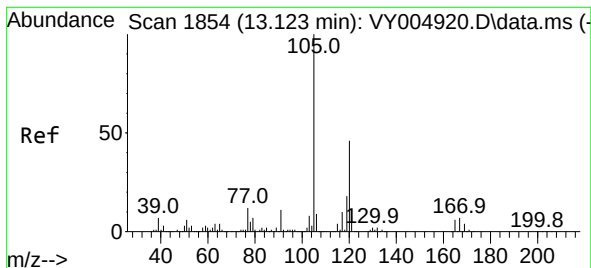
Tgt Ion:105 Resp: 12385
Ion Ratio Lower Upper
105 100
120 50.2 24.5 73.5



#81
trans-1,4-Dichloro-2-butene
Concen: 108.99 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Tgt Ion: 75 Resp: 93139
Ion Ratio Lower Upper
75 100
53 0.4 69.3 103.9#
89 2.3 35.0 52.6#





#84

1,2,4-Trimethylbenzene

Concen: 2.25 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY004938.D

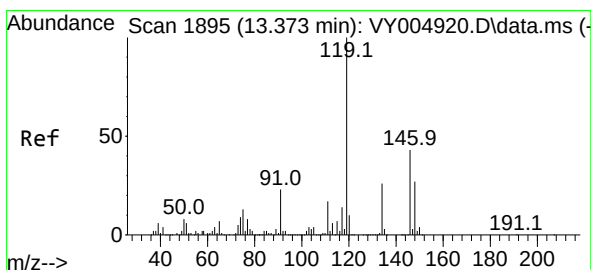
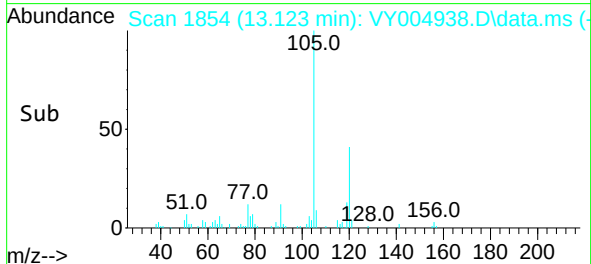
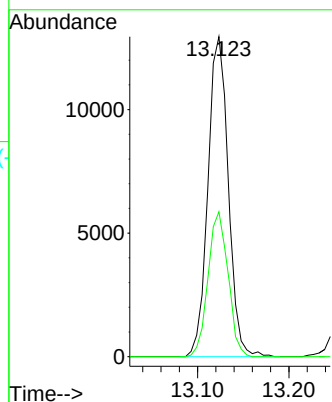
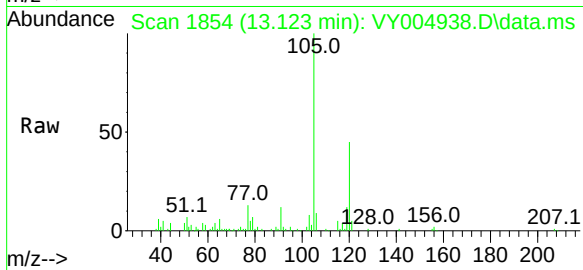
Acq: 03 Jun 2021 15:49

Tgt Ion:105 Resp: 20003

Ion Ratio Lower Upper

105 100

120 44.4 22.6 67.7



#86

p-Isopropyltoluene

Concen: 1.36 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.000 min

Lab File: VY004938.D

Acq: 03 Jun 2021 15:49

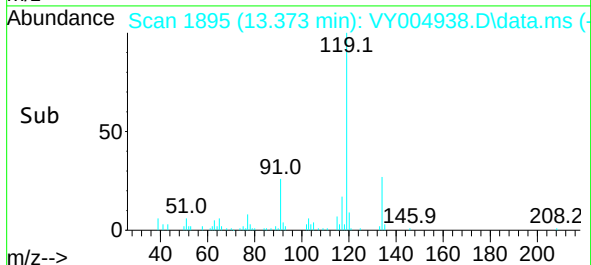
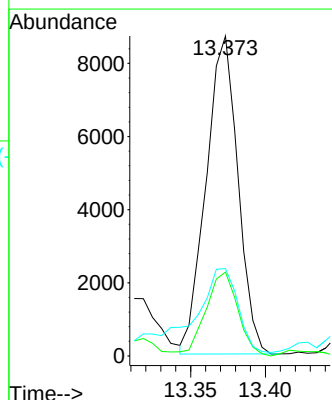
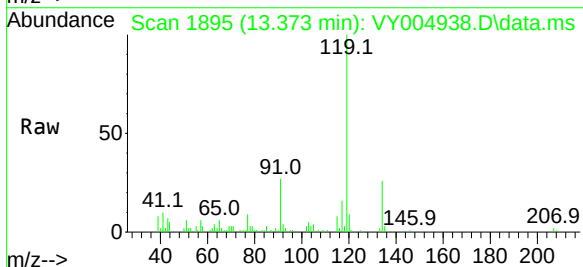
Tgt Ion:119 Resp: 12853

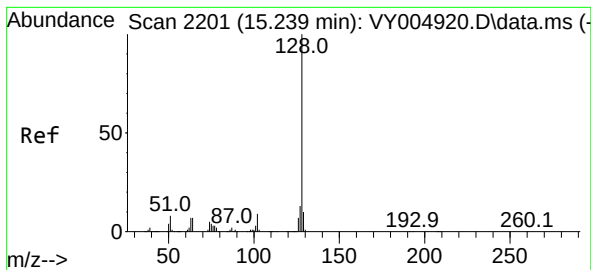
Ion Ratio Lower Upper

119 100

134 26.7 12.9 38.7

91 41.8 11.9 35.5#





#95
Naphthalene
Concen: 33.83 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004938.D
Acq: 03 Jun 2021 15:49

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 189987
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 11.0 8.7 13.1

