

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004937.D
 Acq On : 03 Jun 2021 15:26
 Operator : SY/MD
 Sample : M2589-07
 Misc : 5.92G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 18-B9(0-2)

Quant Time: Jun 04 01:16:33 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	205159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	374372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	355328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	142592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	149542	68.949	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.900%	
35) Dibromofluoromethane	7.728	113	116252	57.717	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 115.440%	
50) Toluene-d8	10.185	98	505125	60.385	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 120.760%	
62) 4-Bromofluorobenzene	12.483	95	162572	56.509	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.020%	

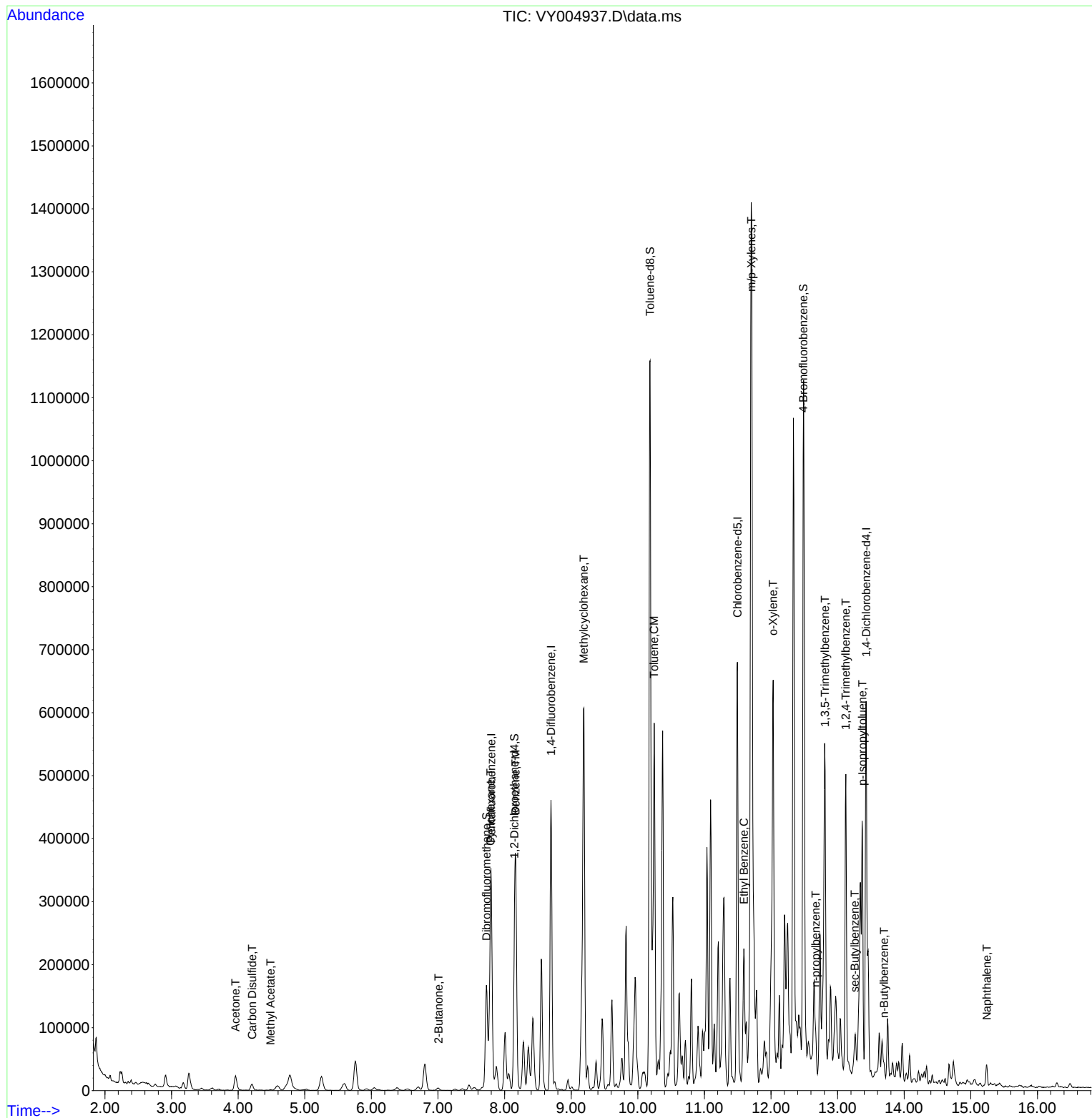
Target Compounds						Qvalue
16) Acetone	3.960	43	39304	75.279	ug/l	99
17) Carbon Disulfide	4.210	76	18582	2.866	ug/l	98
18) Methyl Acetate	4.485	43	1927	1.152	ug/l #	86
25) 2-Butanone	7.008	43	6496	7.399	ug/l #	85
31) Cyclohexane	7.789	56	48480	12.696	ug/l #	93
39) Methylcyclohexane	9.191	83	262052	64.750	ug/l	100
40) Benzene	8.167	78	258051	24.615	ug/l	99
52) Toluene	10.246	92	222199	35.028	ug/l	99
67) Ethyl Benzene	11.593	91	114090	8.769	ug/l	100
68) m/p-Xylenes	11.703	106	318862	65.411	ug/l	99
69) o-Xylene	12.032	106	150303	33.110	ug/l	100
78) n-propylbenzene	12.672	91	46378	3.572	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	91579	10.306	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	238415	26.997	ug/l	100
85) sec-Butylbenzene	13.257	105	15093	1.379	ug/l #	72
86) p-Isopropyltoluene	13.373	119	213167	22.708	ug/l	90
89) n-Butylbenzene	13.696	91	10116	1.120	ug/l #	83
95) Naphthalene	15.239	128	26289	4.704	ug/l #	95

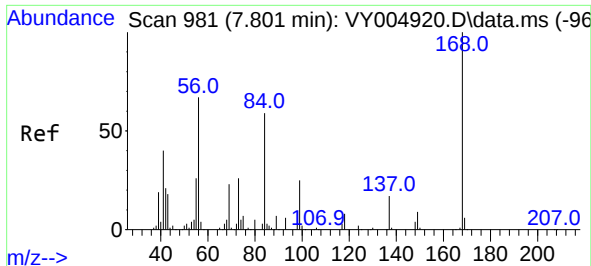
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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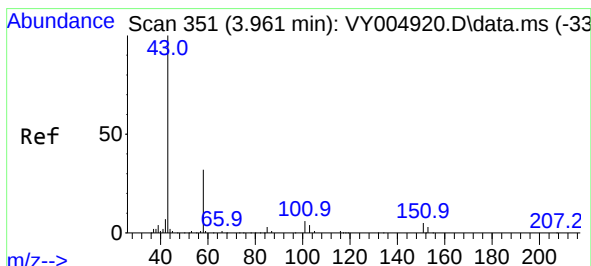
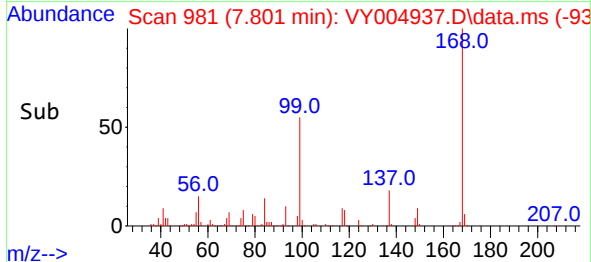
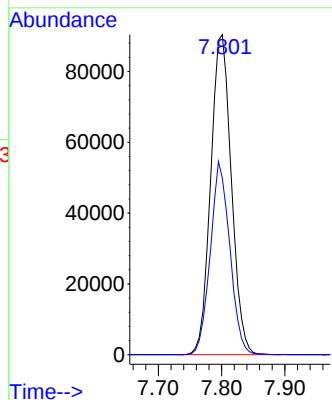
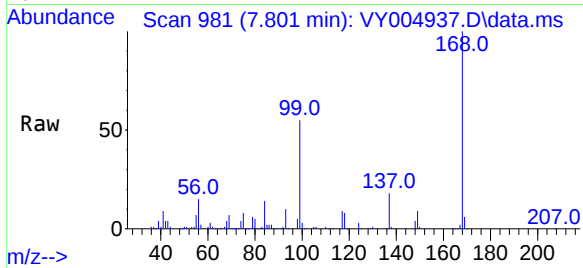




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

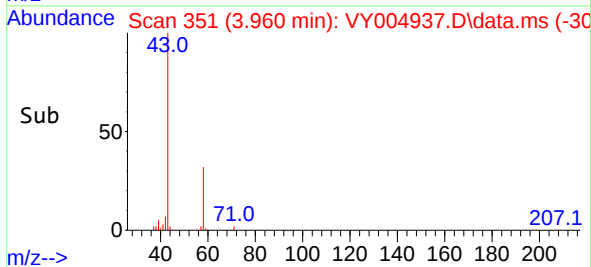
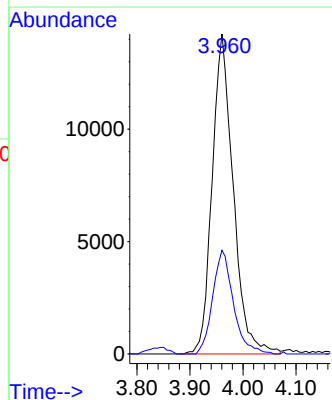
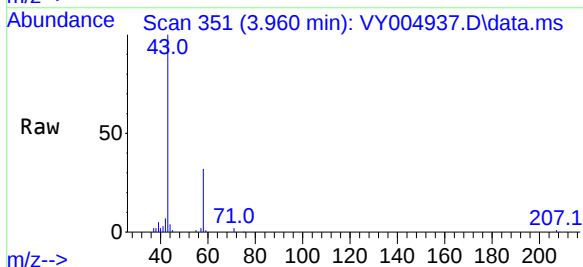
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

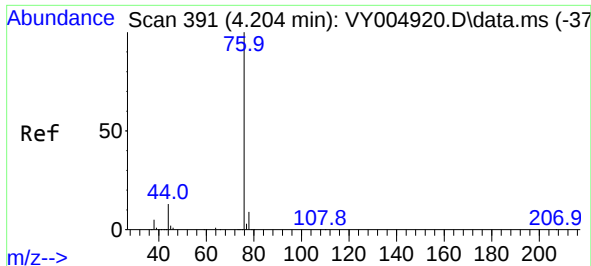
Tgt Ion:168 Resp: 205159
Ion Ratio Lower Upper
168 100
99 55.3 43.9 65.9



#16
Acetone
Concen: 75.279 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

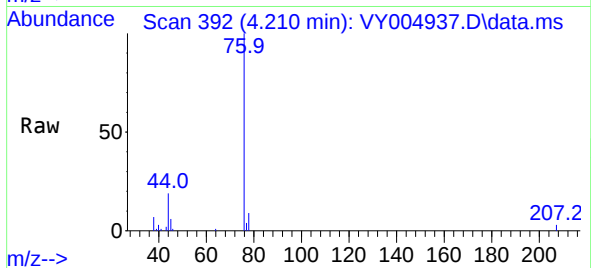
Tgt Ion: 43 Resp: 39304
Ion Ratio Lower Upper
43 100
58 32.4 25.3 37.9



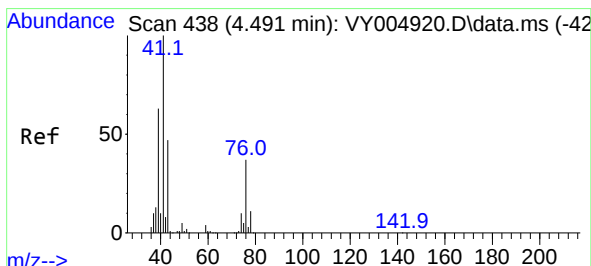
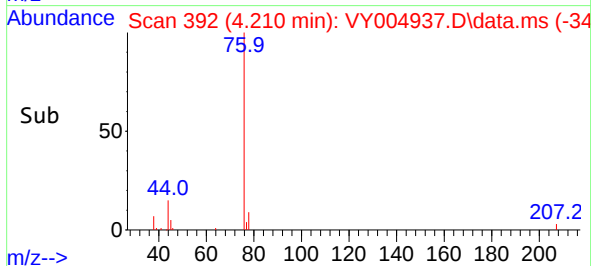
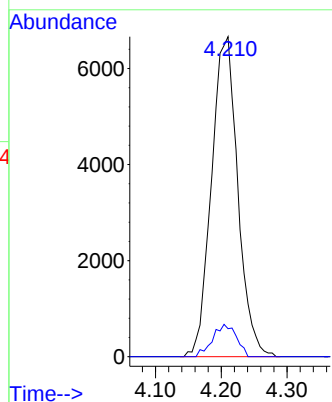


#17
Carbon Disulfide
Concen: 2.866 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

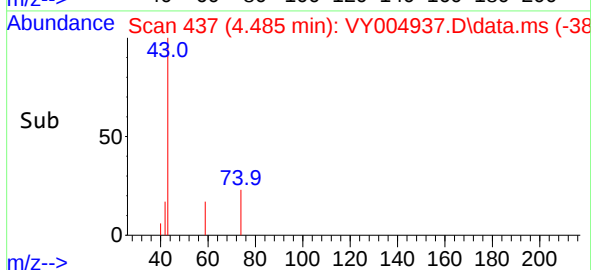
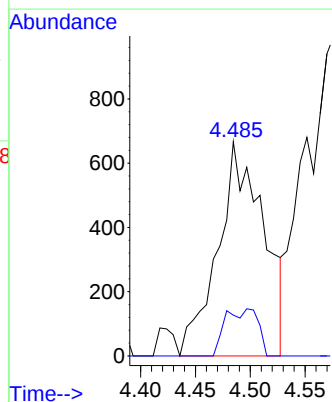
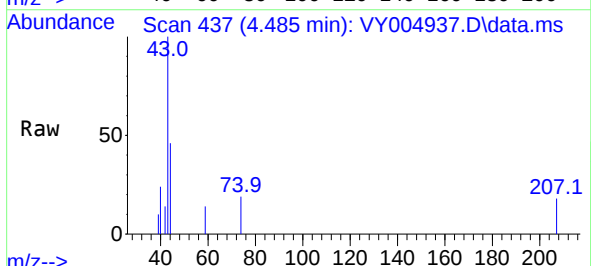


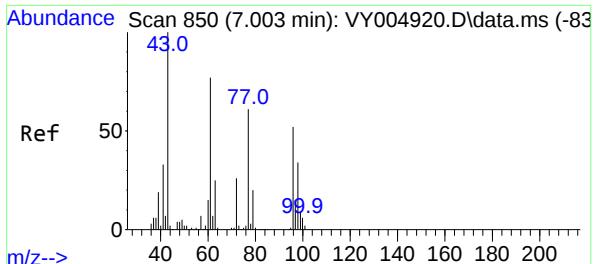
Tgt Ion: 76 Resp: 18582
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4



#18
Methyl Acetate
Concen: 1.152 ug/l
RT: 4.485 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 43 Resp: 1927
Ion Ratio Lower Upper
43 100
74 15.8 18.0 27.0#

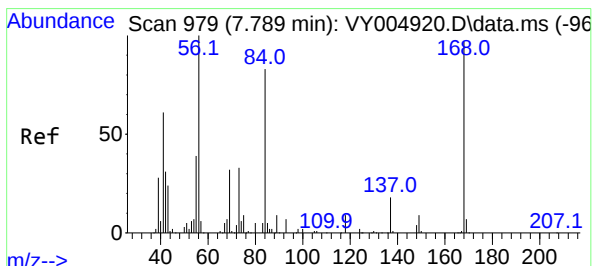
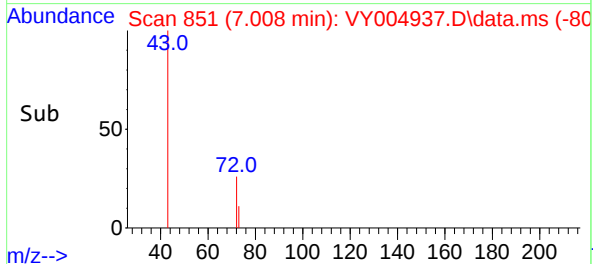
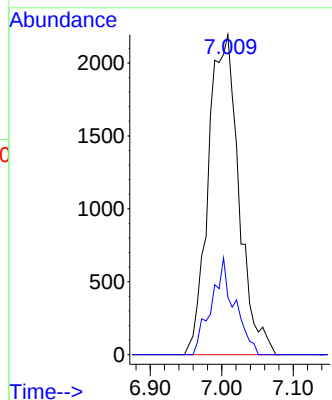
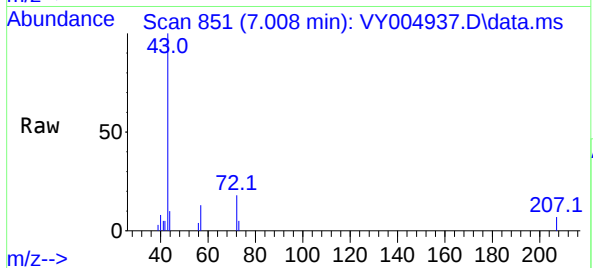




#25
2-Butanone
Concen: 7.399 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

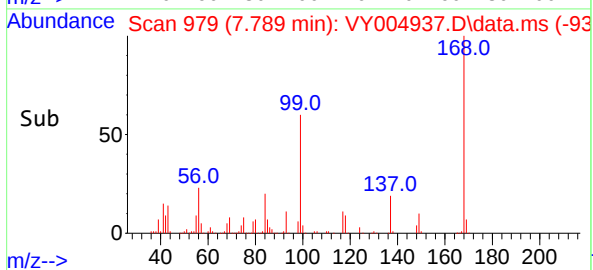
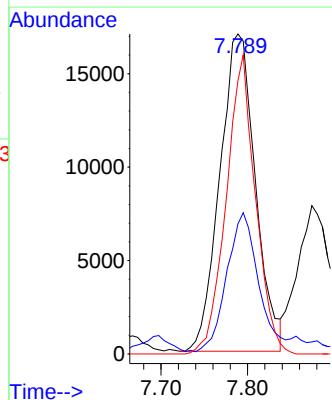
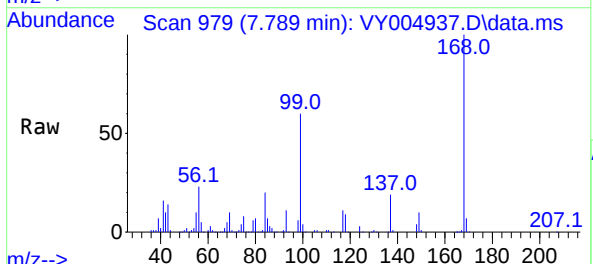
Instrument :
MSVOA_Y
ClientSampled :
18-B9(0-2)

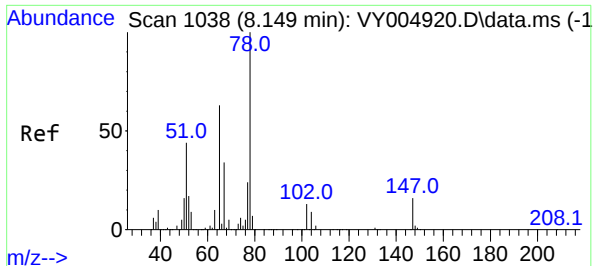
Tgt Ion: 43 Resp: 6496
Ion Ratio Lower Upper
43 100
72 18.0 20.6 31.0#



#31
Cyclohexane
Concen: 12.696 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 56 Resp: 48480
Ion Ratio Lower Upper
56 100
69 39.5 25.3 37.9#
84 86.1 66.2 99.4

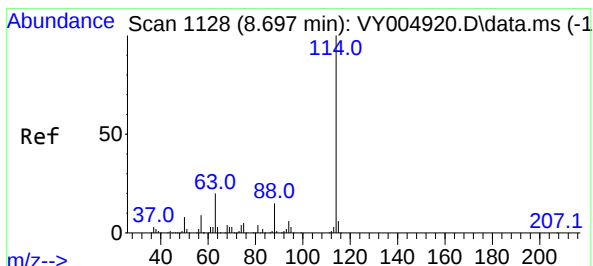
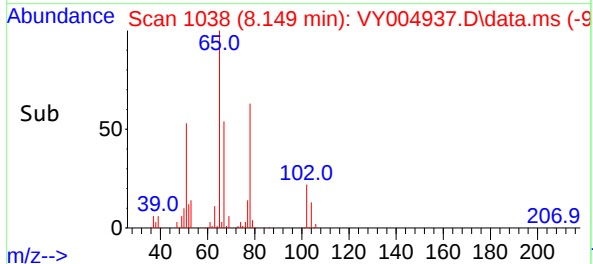
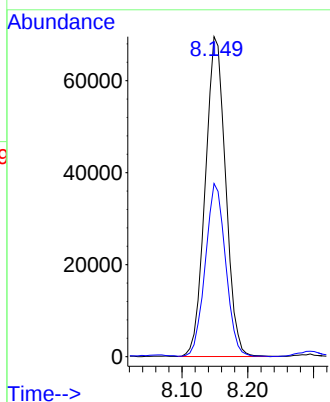
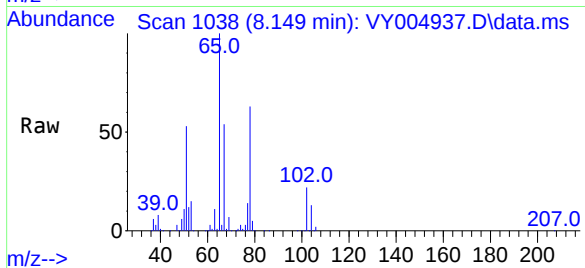




#33
1,2-Dichloroethane-d4
Concen: 68.949 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

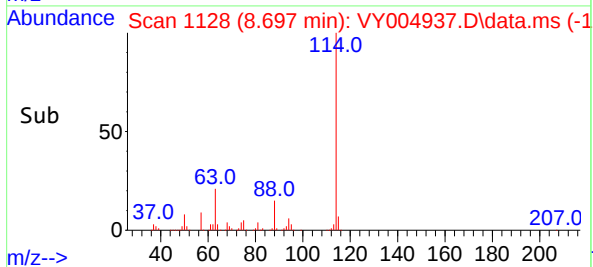
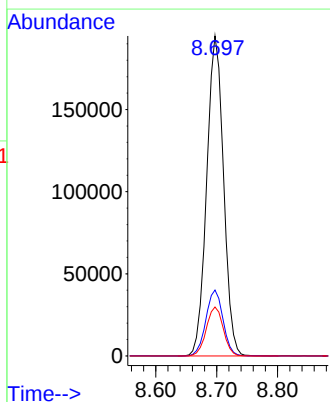
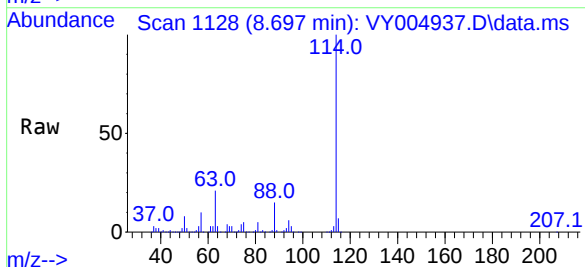
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

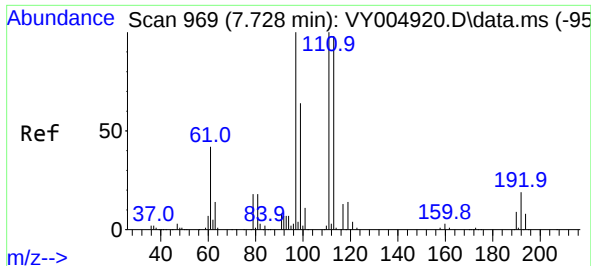
Tgt Ion: 65 Resp: 149542
Ion Ratio Lower Upper
65 100
67 54.1 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion:114 Resp: 374372
Ion Ratio Lower Upper
114 100
63 20.6 0.0 41.0
88 15.3 0.0 30.6



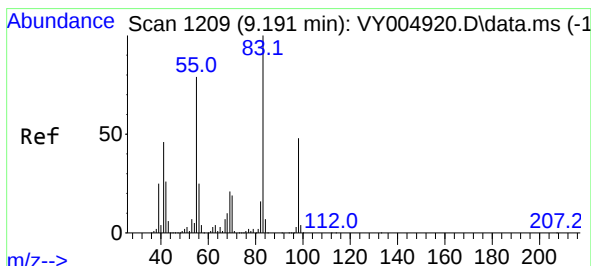
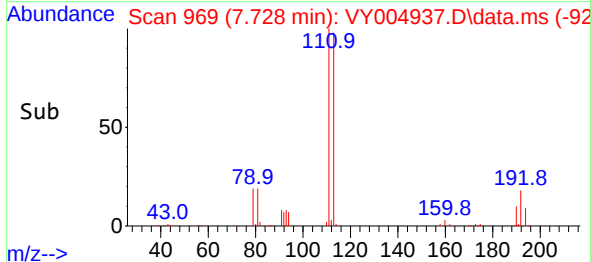
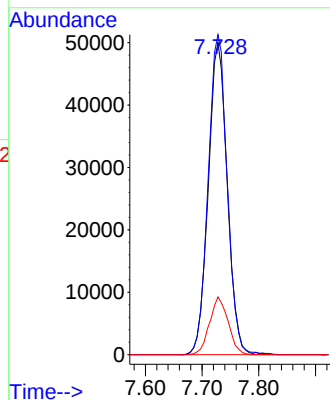
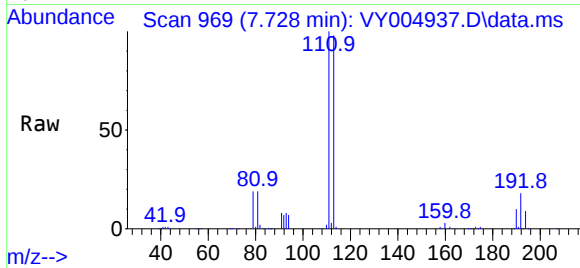


#35
Dibromofluoromethane
Concen: 57.717 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

Tgt Ion:113 Resp: 116252

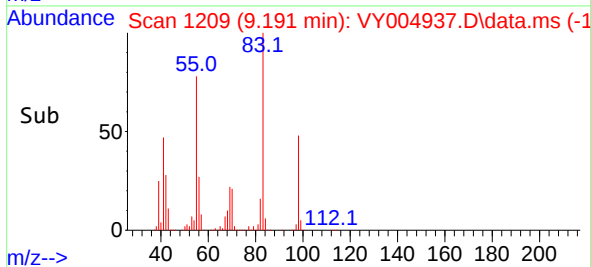
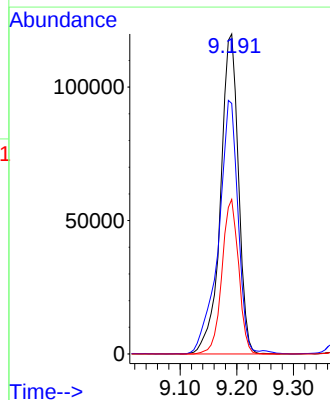
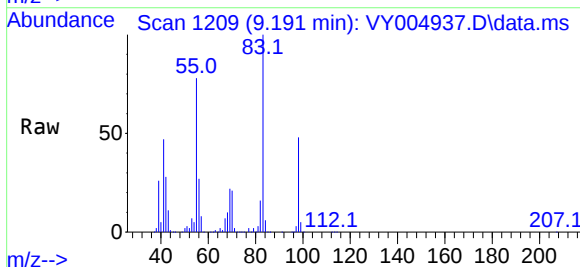
Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.8	122.8
192	18.1	15.3	22.9

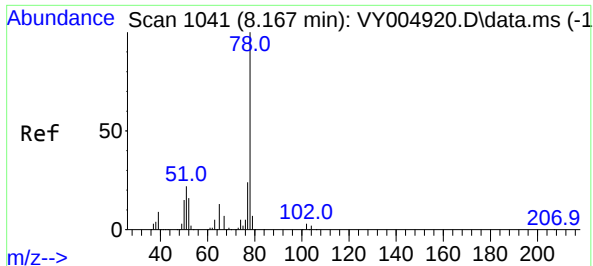


#39
Methylcyclohexane
Concen: 64.750 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 83 Resp: 262052

Ion	Ratio	Lower	Upper
83	100		
55	78.3	63.1	94.7
98	48.3	38.6	58.0

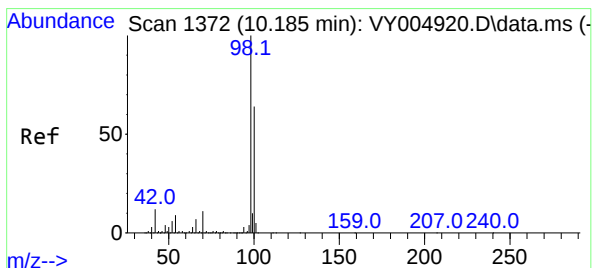
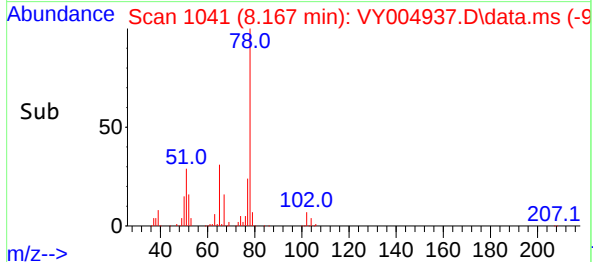
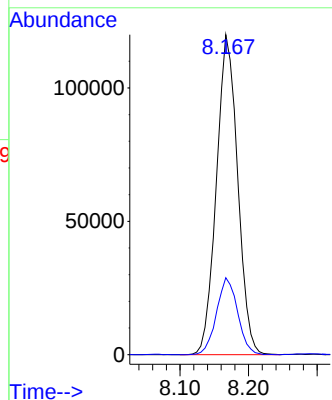
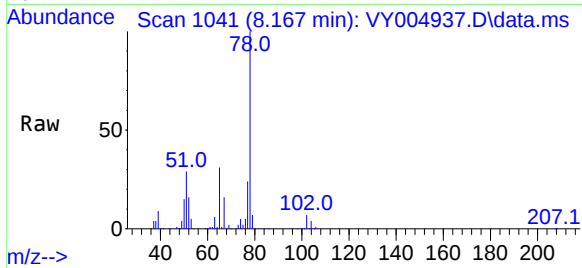




#40
Benzene
Concen: 24.615 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

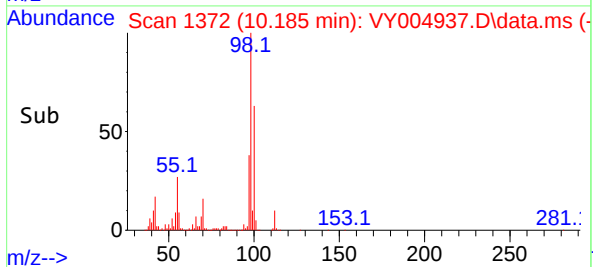
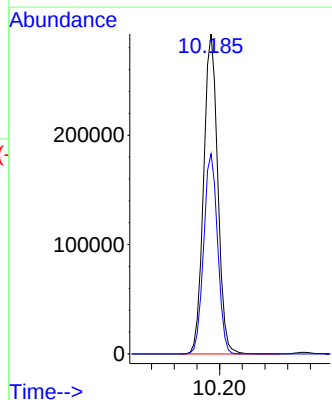
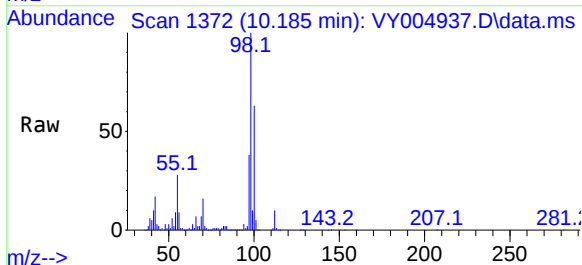
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MSVOA_Y
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18-B9(0-2)

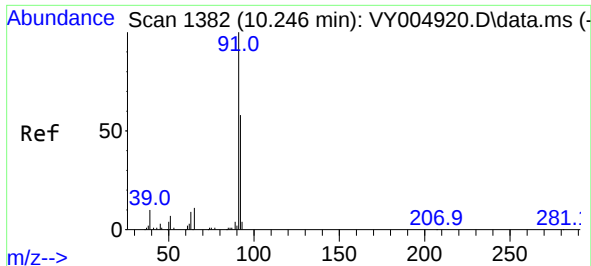
Tgt Ion: 78 Resp: 258051
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.2



#50
Toluene-d8
Concen: 60.385 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 98 Resp: 505125
Ion Ratio Lower Upper
98 100
100 61.7 51.8 77.6

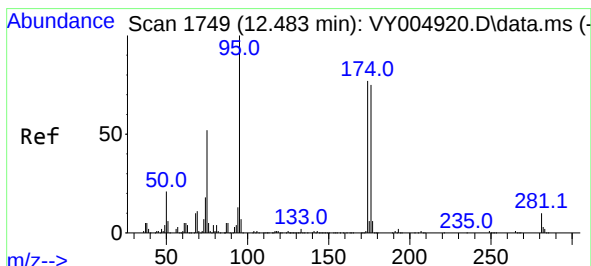
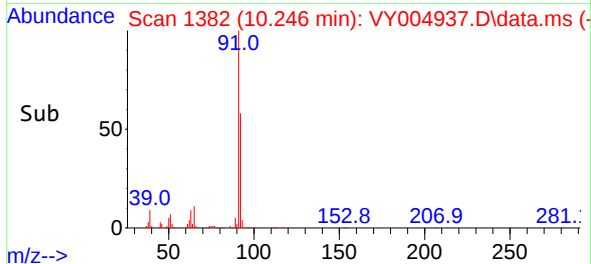
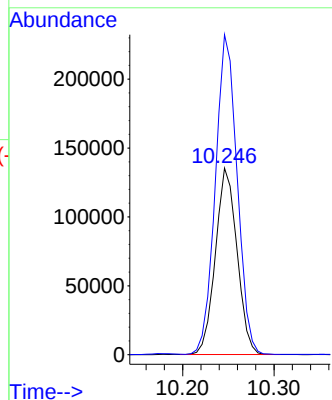
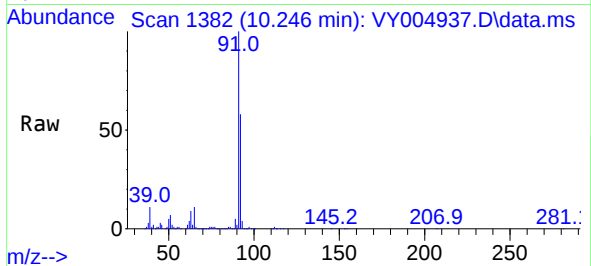




#52
Toluene
Concen: 35.028 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

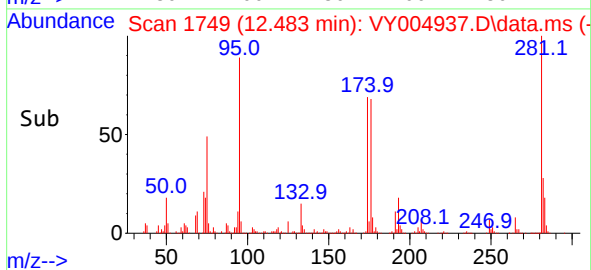
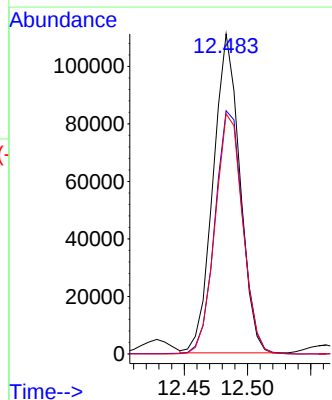
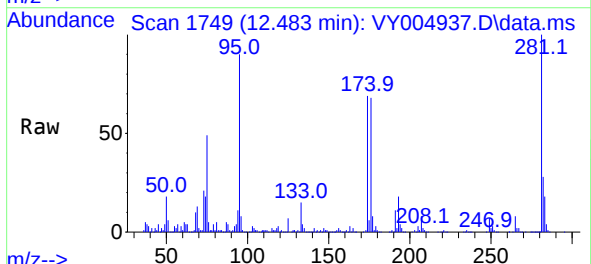
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

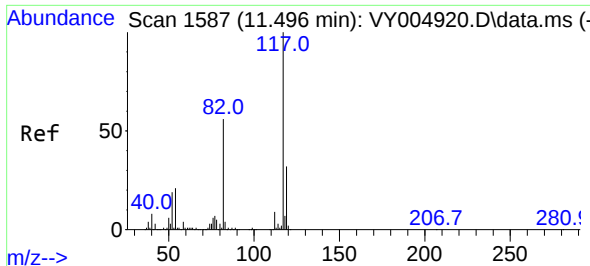
Tgt Ion: 92 Resp: 222199
Ion Ratio Lower Upper
92 100
91 173.0 139.3 208.9



#62
4-Bromofluorobenzene
Concen: 56.509 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 95 Resp: 162572
Ion Ratio Lower Upper
95 100
174 79.9 0.0 160.8
176 77.8 0.0 155.6

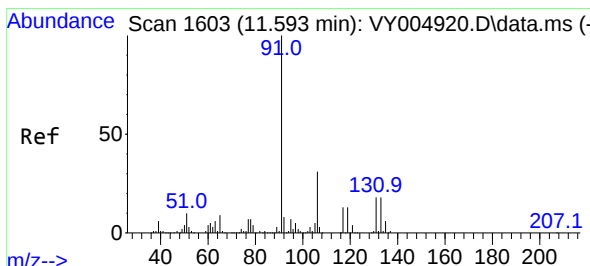
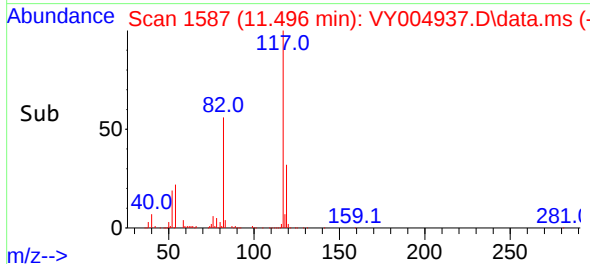
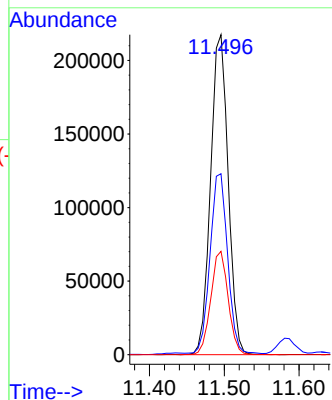
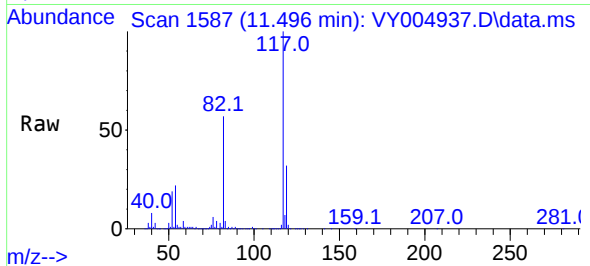




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

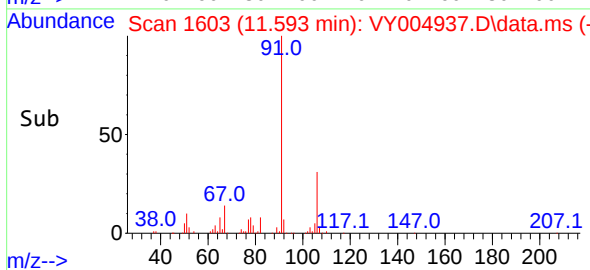
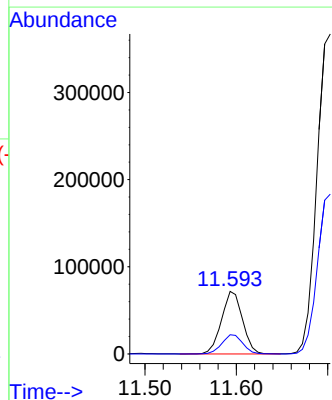
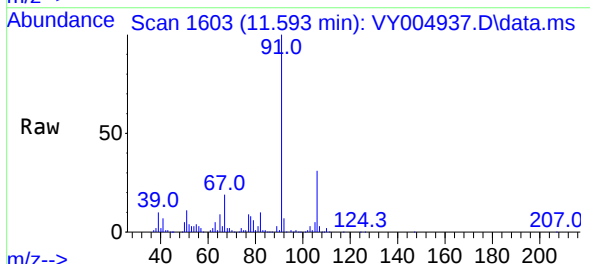
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

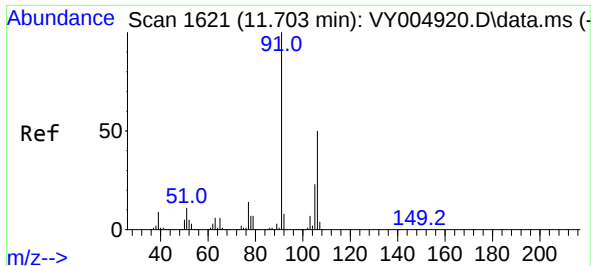
Tgt Ion:117 Resp: 355328
Ion Ratio Lower Upper
117 100
82 56.1 44.8 67.2
119 32.3 25.2 37.8



#67
Ethyl Benzene
Concen: 8.769 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 91 Resp: 114090
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

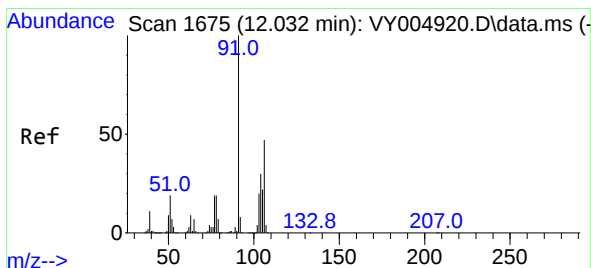
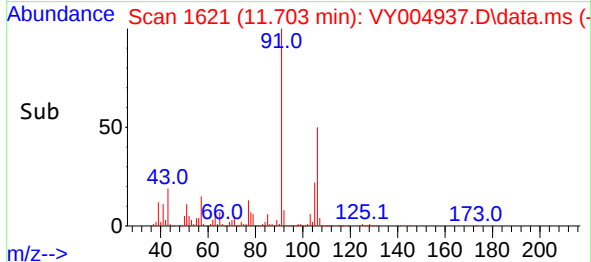
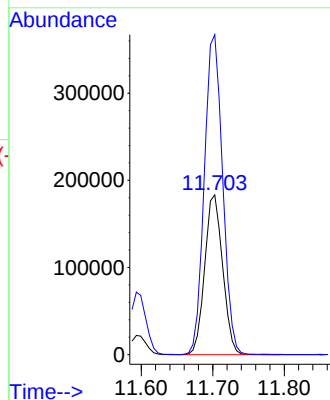
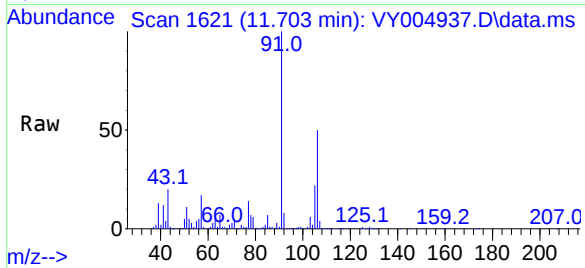




#68
m/p-Xylenes
Concen: 65.411 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

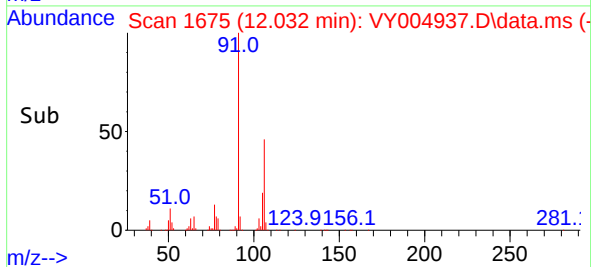
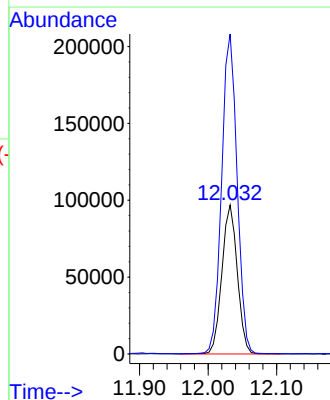
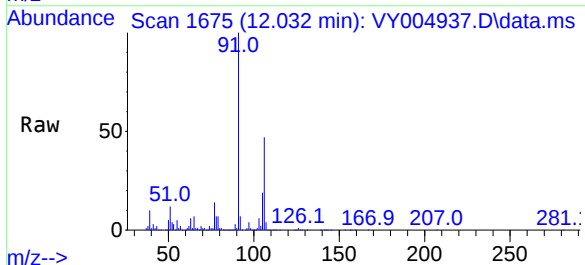
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

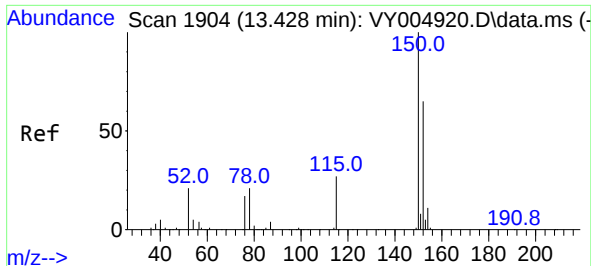
Tgt Ion:106 Resp: 318862
Ion Ratio Lower Upper
106 100
91 204.0 161.9 242.9



#69
o-Xylene
Concen: 33.110 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion:106 Resp: 150303
Ion Ratio Lower Upper
106 100
91 215.7 108.0 324.0

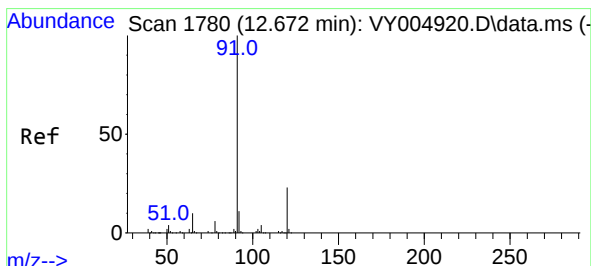
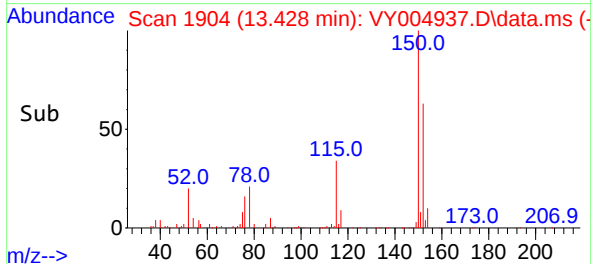
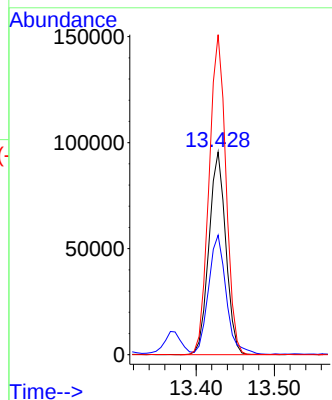
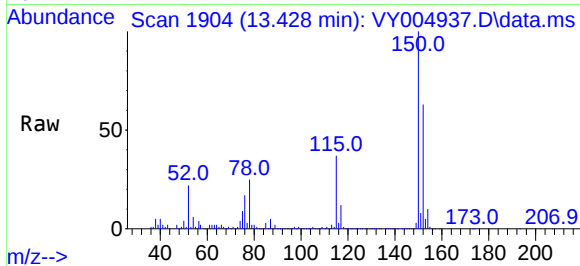




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

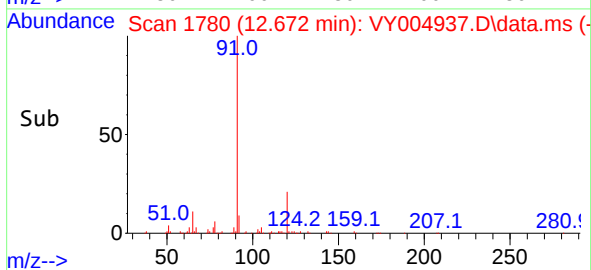
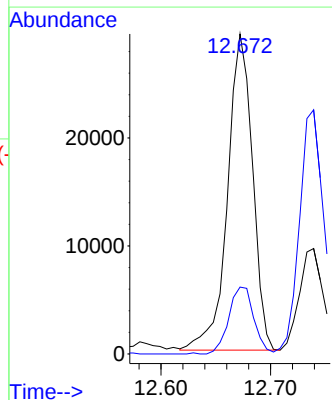
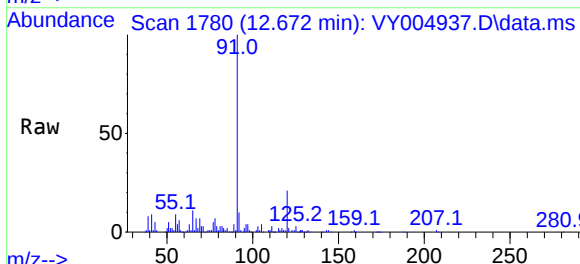
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

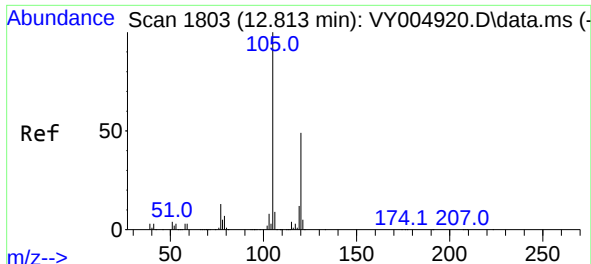
Tgt Ion:152 Resp: 142592
Ion Ratio Lower Upper
152 100
115 61.7 29.9 89.7
150 158.2 0.0 347.8



#78
n-propylbenzene
Concen: 3.572 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 91 Resp: 46378
Ion Ratio Lower Upper
91 100
120 21.2 11.2 33.6

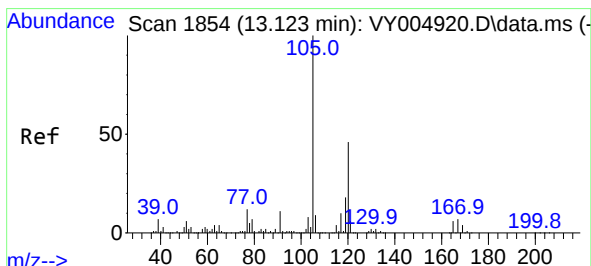
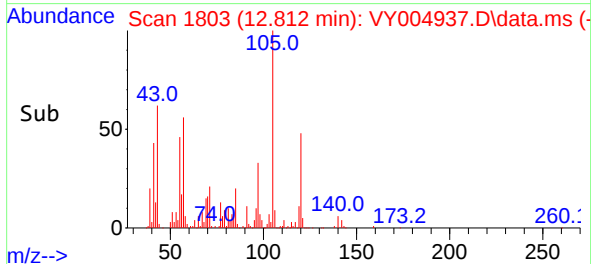
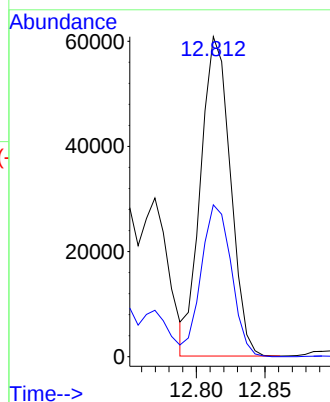
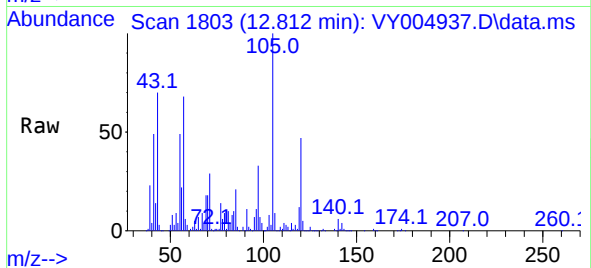




#80
1,3,5-Trimethylbenzene
Concen: 10.306 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

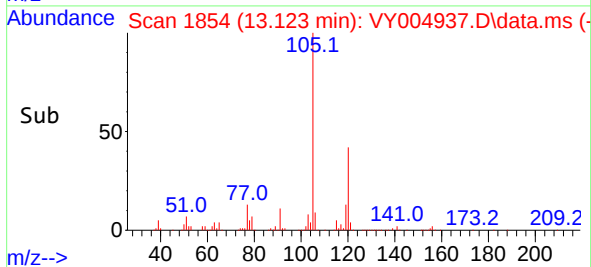
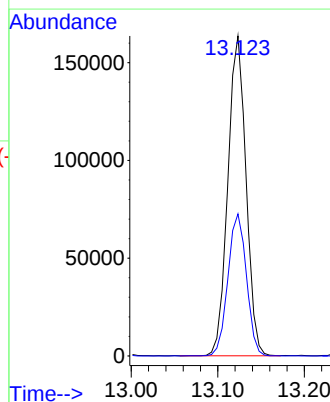
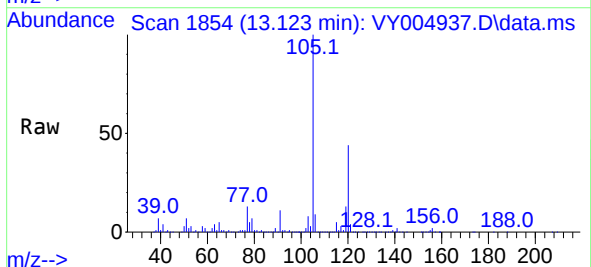
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

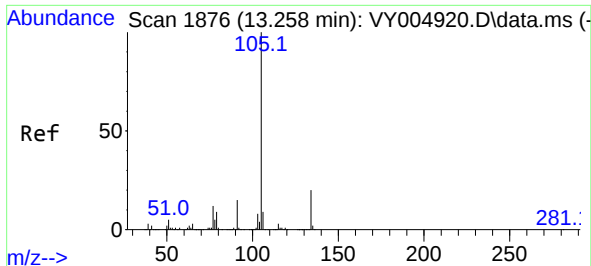
Tgt Ion:105 Resp: 91579
Ion Ratio Lower Upper
105 100
120 48.5 24.5 73.5



#84
1,2,4-Trimethylbenzene
Concen: 26.997 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion:105 Resp: 238415
Ion Ratio Lower Upper
105 100
120 45.3 22.6 67.7

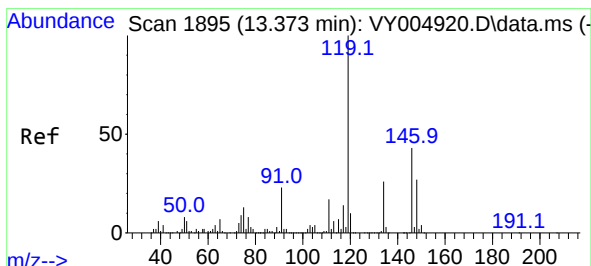
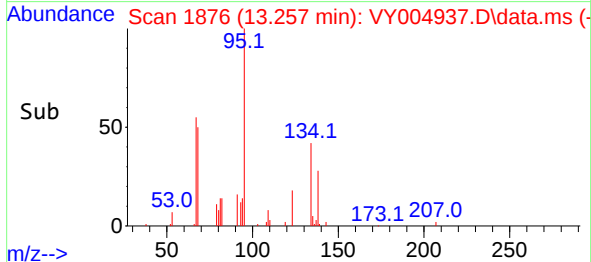
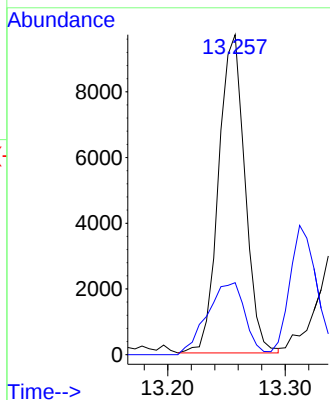
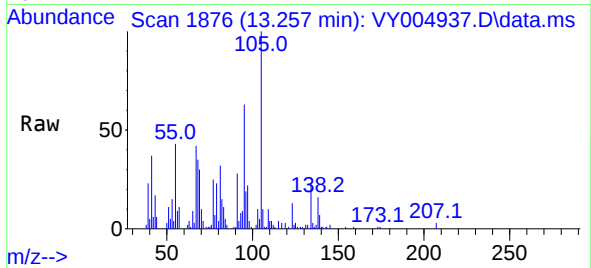




#85
sec-Butylbenzene
Concen: 1.379 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

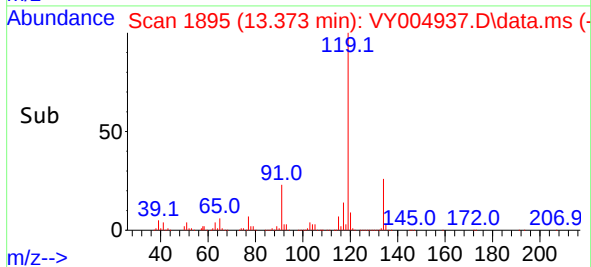
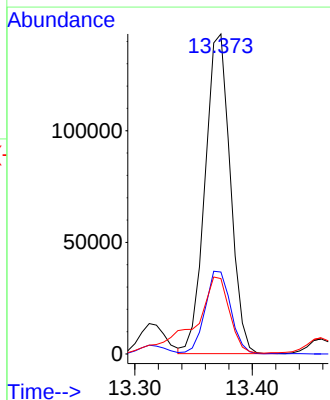
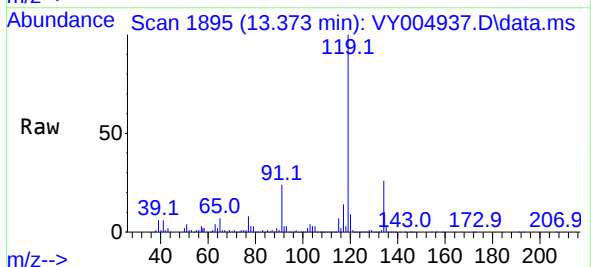
Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

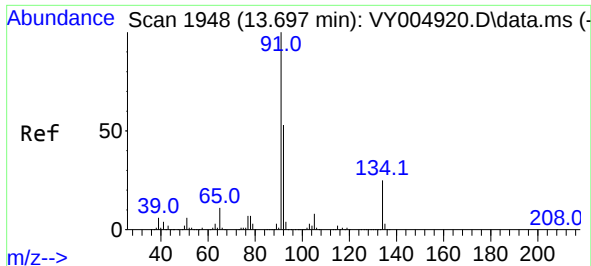
Tgt Ion:105 Resp: 15093
Ion Ratio Lower Upper
105 100
134 32.5 9.9 29.7#



#86
p-Isopropyltoluene
Concen: 22.708 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion:119 Resp: 213167
Ion Ratio Lower Upper
119 100
134 26.1 12.9 38.7
91 33.4 11.9 35.5

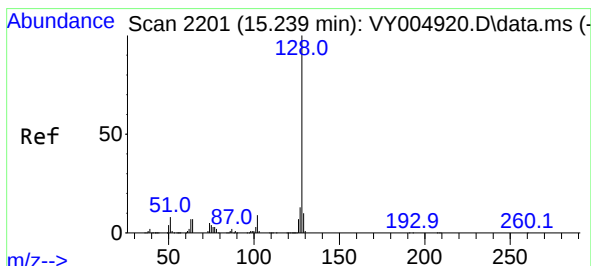
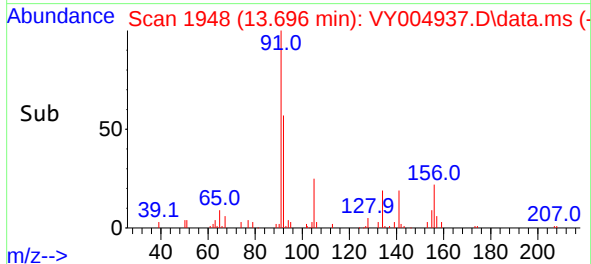
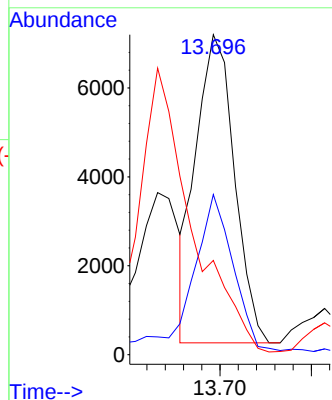
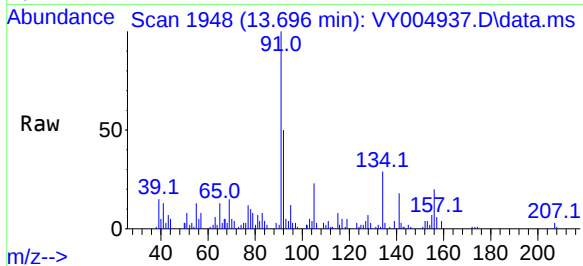




#89
n-Butylbenzene
Concen: 1.120 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Instrument :
MSVOA_Y
ClientSampleId :
18-B9(0-2)

Tgt Ion: 91	Resp:	10116
Ion Ratio	Lower	Upper
91	100	
92	54.2	26.8 80.3
134	0.0	13.0 38.9#



#95
Naphthalene
Concen: 4.704 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004937.D
Acq: 03 Jun 2021 15:26

Tgt Ion: 128	Resp:	26289
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.2 15.2
129	14.3	8.7 13.1#

