

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004936.D
 Acq On : 03 Jun 2021 15:03
 Operator : SY/MD
 Sample : M2589-06
 Misc : 5.93G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 18-B8(4-6)

Quant Time: Jun 04 01:16:12 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)

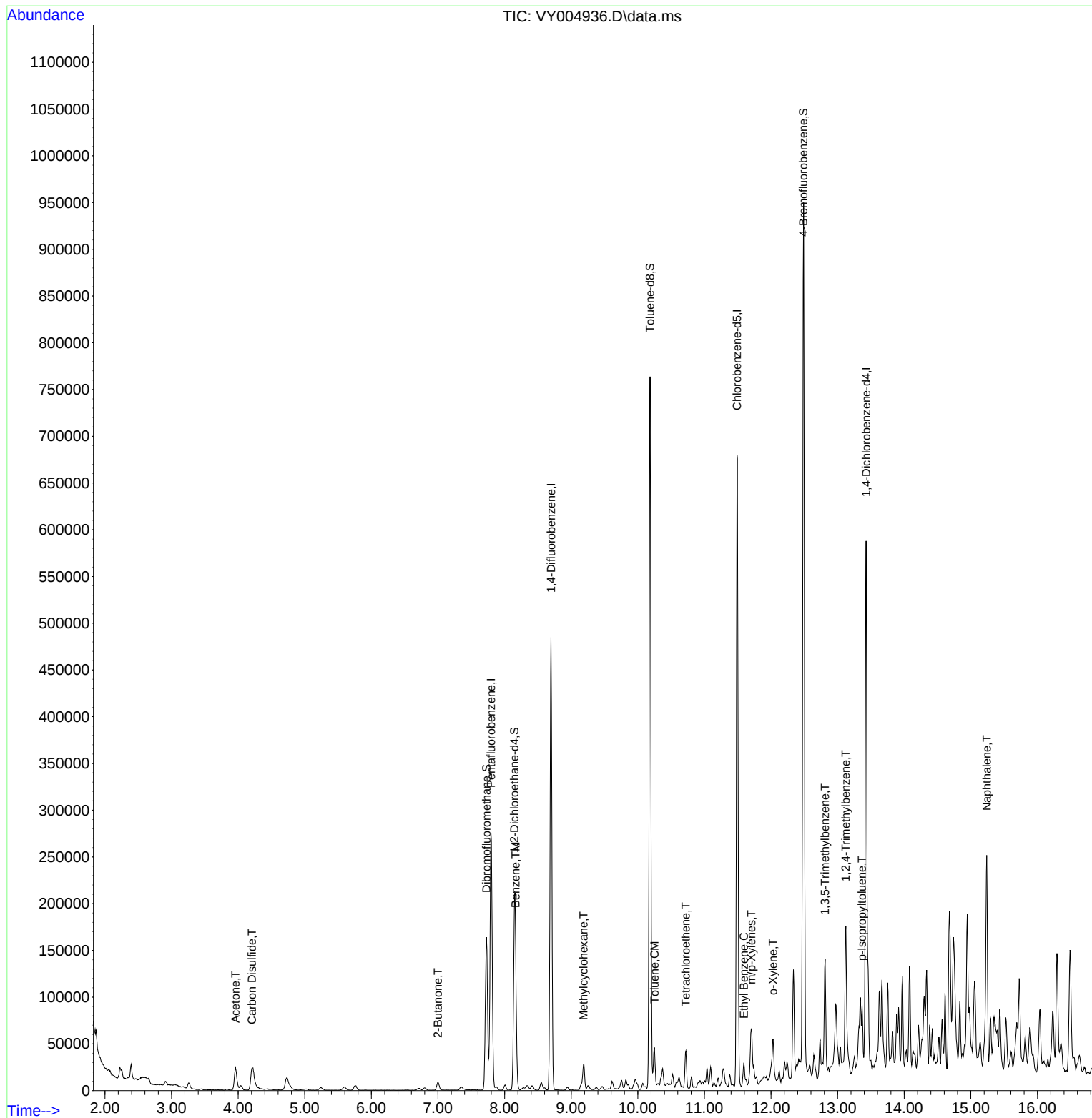
Internal Standards						
1) Pentafluorobenzene	7.795	168	205015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	391478	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	365726	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	140496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	142059	65.544	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	131.080%
35) Dibromofluoromethane	7.728	113	115393	54.787	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.580%
50) Toluene-d8	10.185	98	475313	54.338	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	108.680%
62) 4-Bromofluorobenzene	12.483	95	152538	50.705	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.400%
Target Compounds						
					Qvalue	
16) Acetone	3.960	43	41503	79.547	ug/l	96
17) Carbon Disulfide	4.204	76	27483	4.242	ug/l	98
25) 2-Butanone	6.996	43	10560	12.037	ug/l #	90
39) Methylcyclohexane	9.185	83	10831	2.559	ug/l	97
40) Benzene	8.167	78	52947	4.830	ug/l	97
52) Toluene	10.252	92	16987	2.561	ug/l	97
64) Tetrachloroethene	10.721	164	7402	2.420	ug/l	95
67) Ethyl Benzene	11.593	91	13463	1.005	ug/l	92
68) m/p-Xylenes	11.703	106	14479	2.886	ug/l	99
69) o-Xylene	12.032	106	10863	2.325	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	38902	4.443	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	75681	8.698	ug/l	98
86) p-Isopropyltoluene	13.367	119	31125	3.365	ug/l	96
95) Naphthalene	15.239	128	169225	30.732	ug/l	99

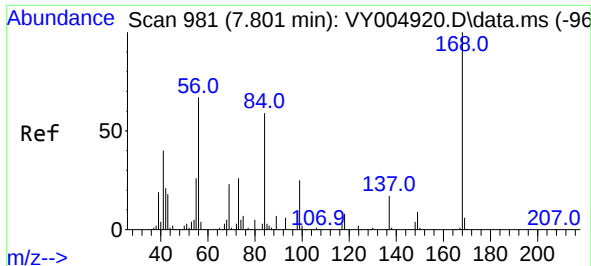
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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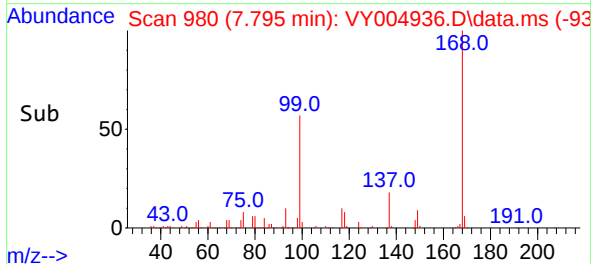
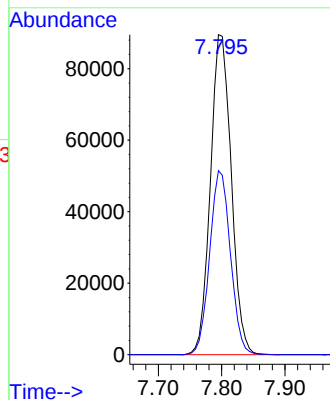
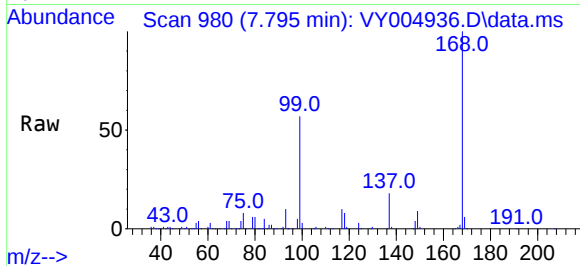




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

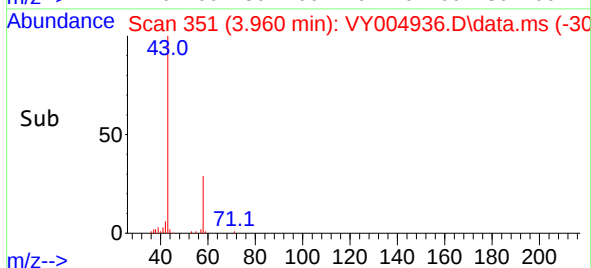
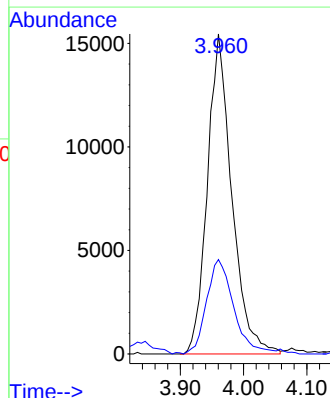
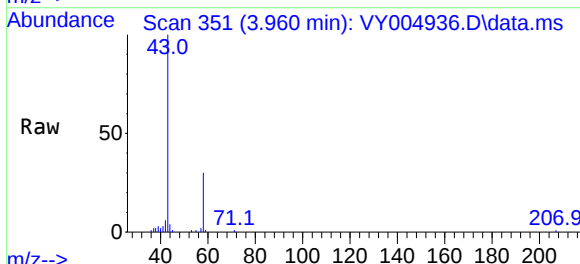
Instrument :
MSVOA_Y
ClientSampled :
18-B8(4-6)

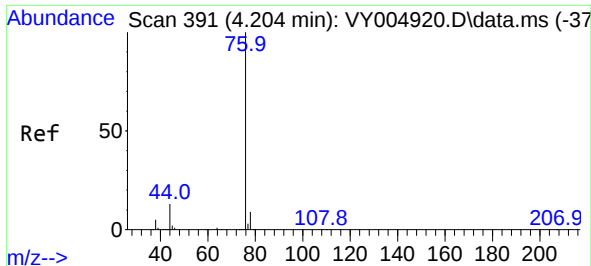
Tgt Ion:168 Resp: 205015
Ion Ratio Lower Upper
168 100
99 57.5 43.9 65.9



#16
Acetone
Concen: 79.547 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

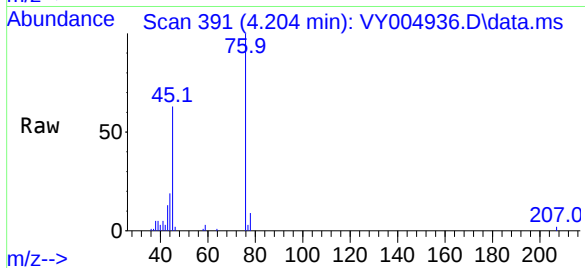
Tgt Ion: 43 Resp: 41503
Ion Ratio Lower Upper
43 100
58 29.2 25.3 37.9



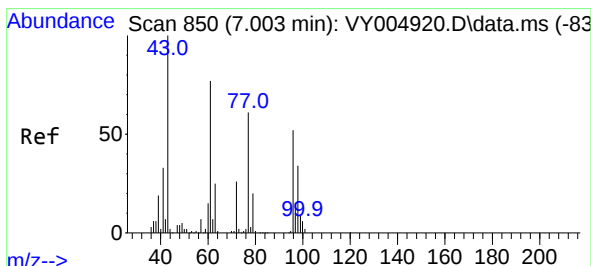
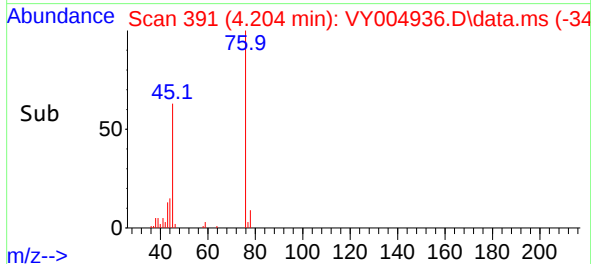
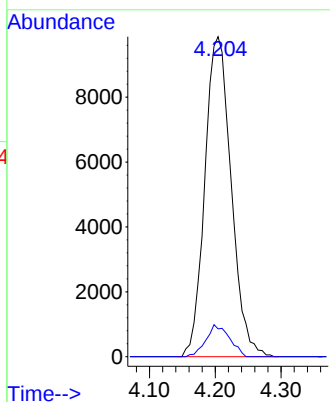


#17
Carbon Disulfide
Concen: 4.242 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Instrument :
MSVOA_Y
ClientSampleId :
18-B8(4-6)

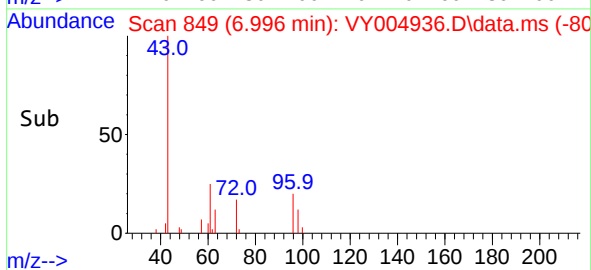
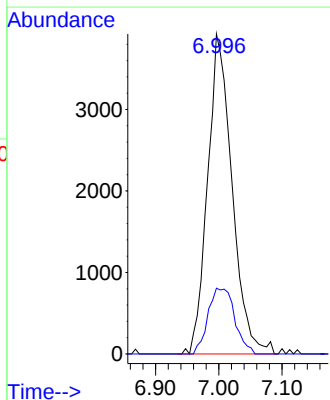
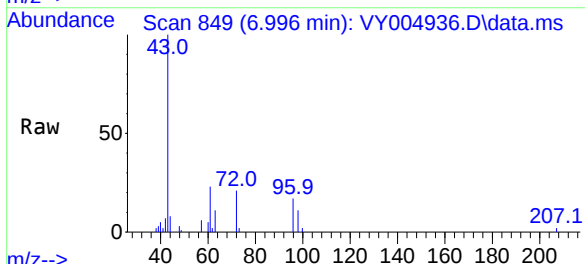


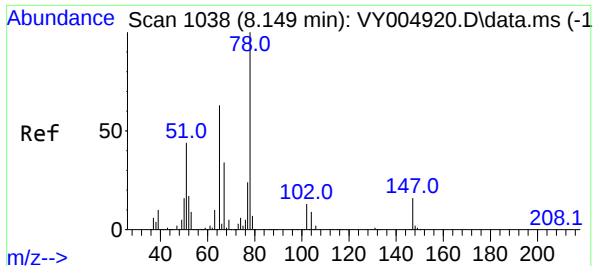
Tgt Ion: 76 Resp: 27483
Ion Ratio Lower Upper
76 100
78 8.7 7.6 11.4



#25
2-Butanone
Concen: 12.037 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion: 43 Resp: 10560
Ion Ratio Lower Upper
43 100
72 20.6 20.6 31.0#

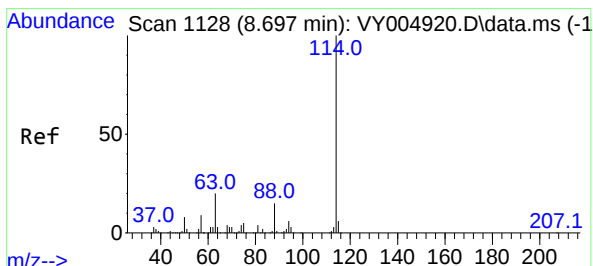
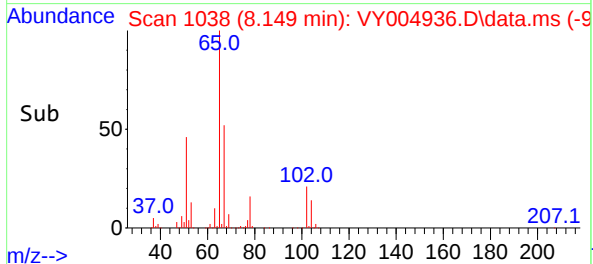
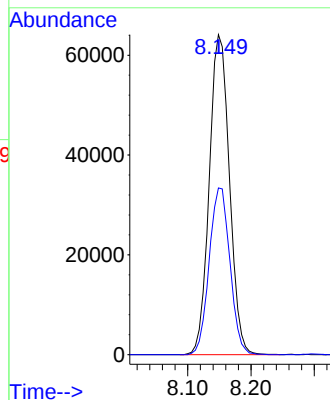
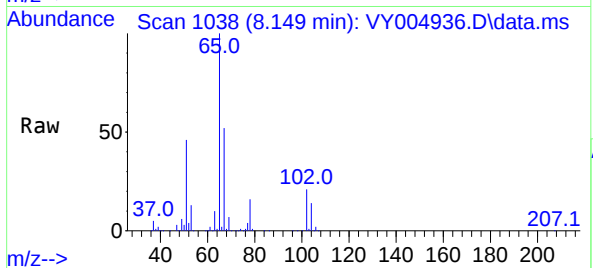




#33
1,2-Dichloroethane-d4
Concen: 65.544 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

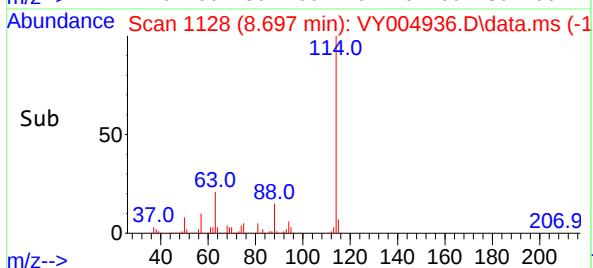
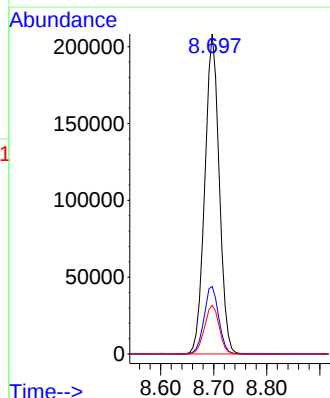
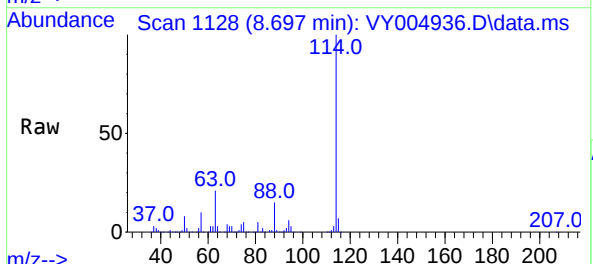
Instrument :
MSVOA_Y
ClientSampleId :
18-B8(4-6)

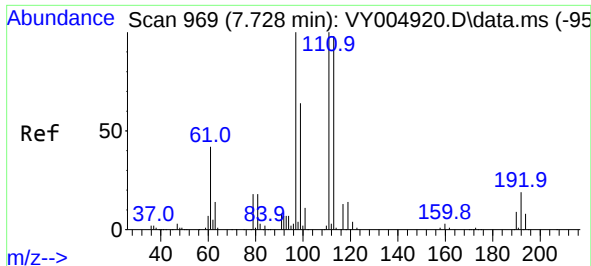
Tgt Ion: 65 Resp: 142059
Ion Ratio Lower Upper
65 100
67 53.5 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion:114 Resp: 391478
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.0
88 15.2 0.0 30.6



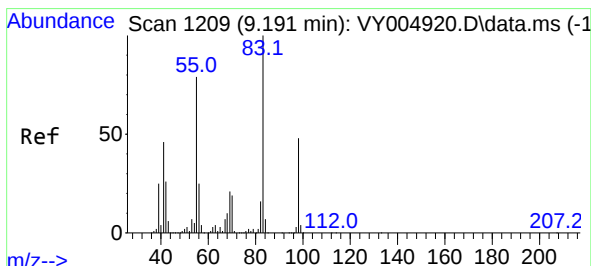
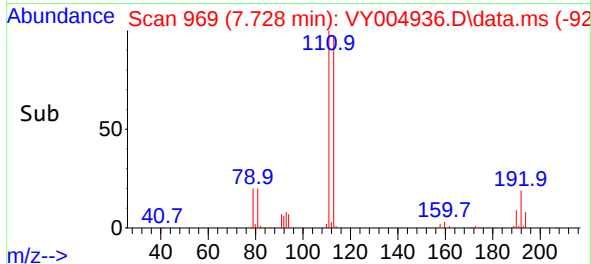
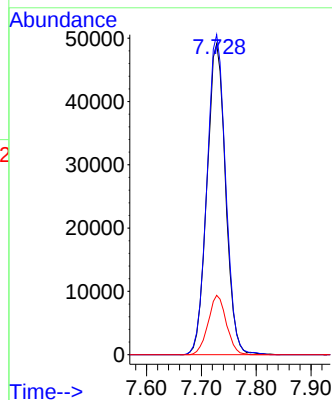
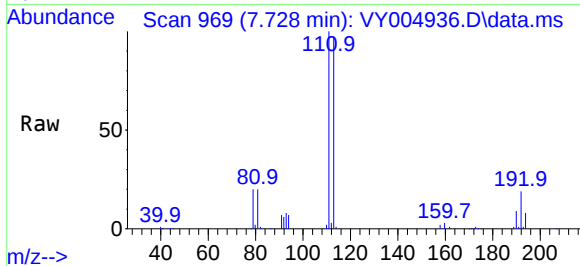


#35
Dibromofluoromethane
Concen: 54.787 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Instrument :
MSVOA_Y
ClientSampleId :
18-B8(4-6)

Tgt Ion:113 Resp: 115393

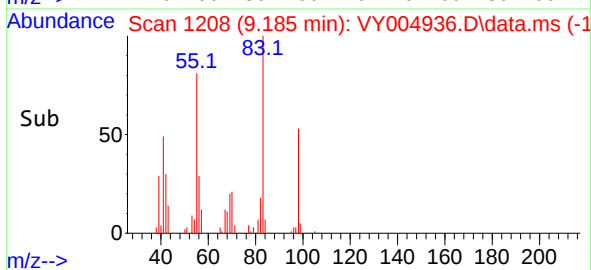
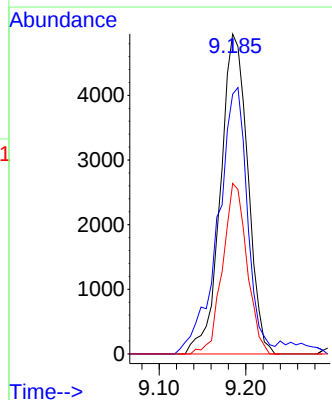
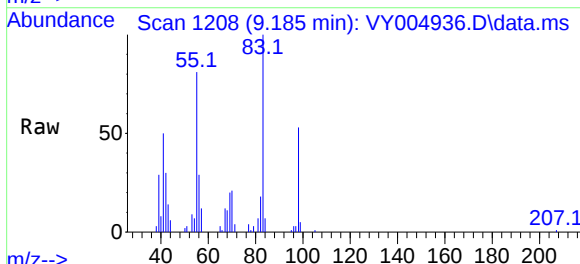
Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.8
192	18.7	15.3	22.9

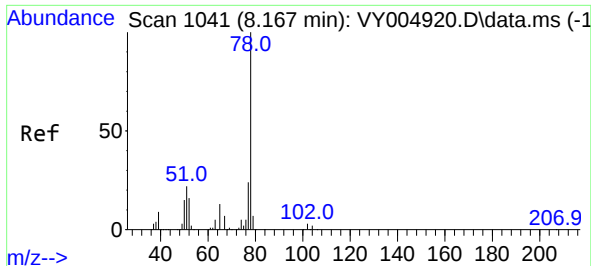


#39
Methylcyclohexane
Concen: 2.559 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion: 83 Resp: 10831

Ion	Ratio	Lower	Upper
83	100		
55	79.6	63.1	94.7
98	53.3	38.6	58.0

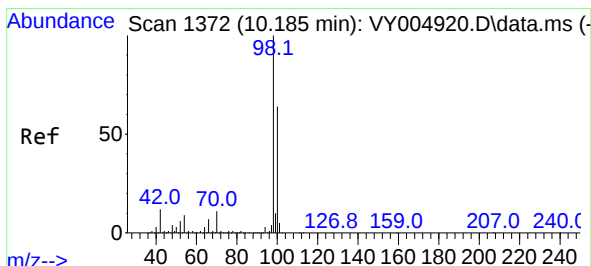
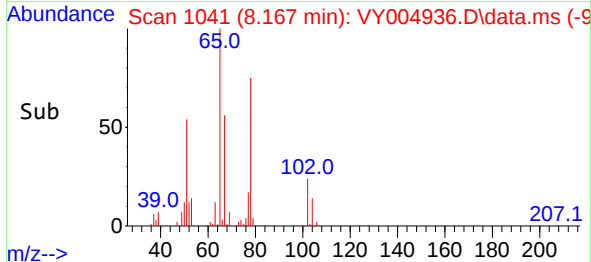
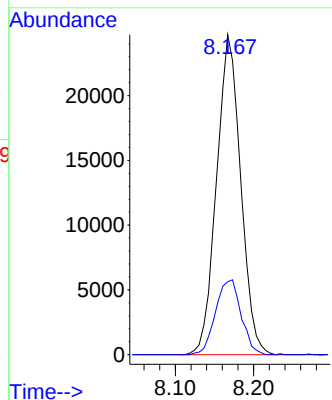
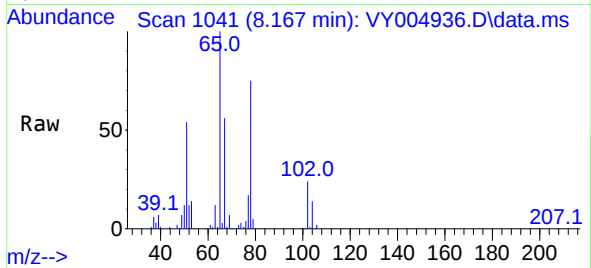




#40
Benzene
Concen: 4.830 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

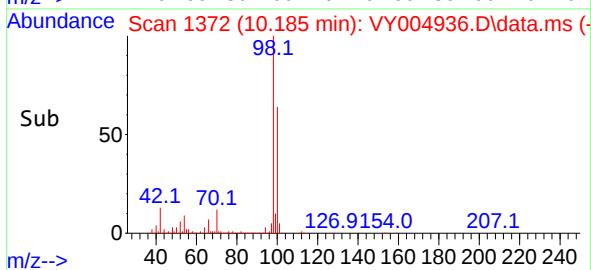
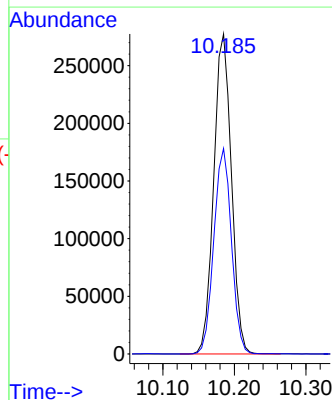
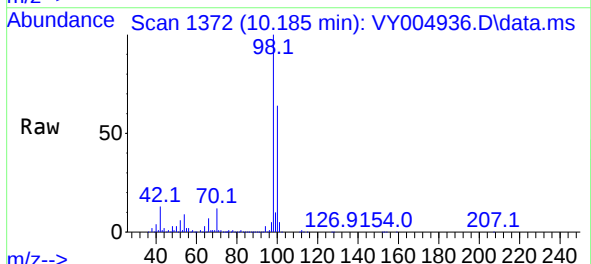
Instrument :
MSVOA_Y
ClientSampled :
18-B8(4-6)

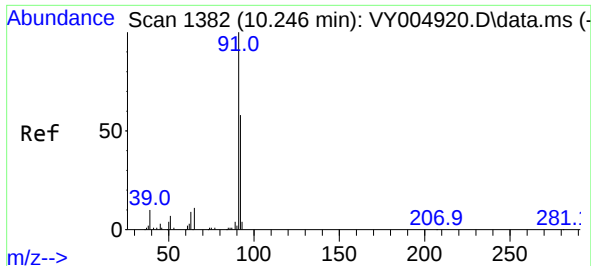
Tgt Ion: 78 Resp: 52947
Ion Ratio Lower Upper
78 100
77 22.8 19.4 29.2



#50
Toluene-d8
Concen: 54.338 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion: 98 Resp: 475313
Ion Ratio Lower Upper
98 100
100 64.0 51.8 77.6

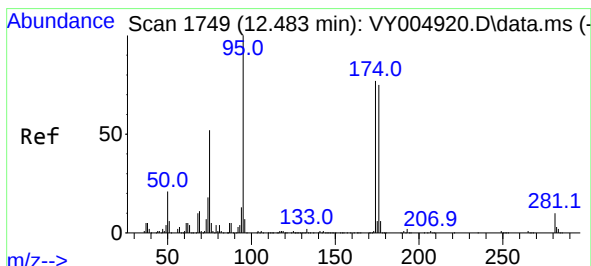
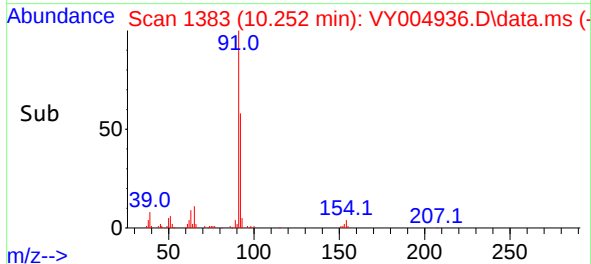
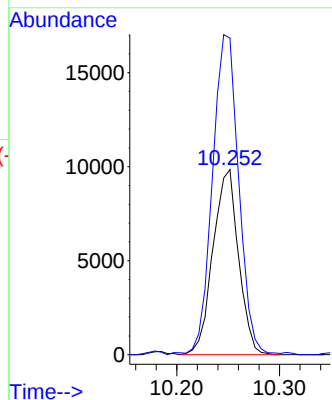
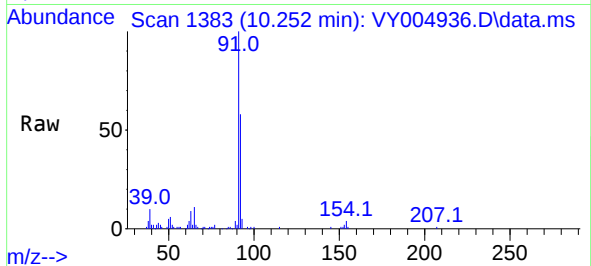




#52
Toluene
Concen: 2.561 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

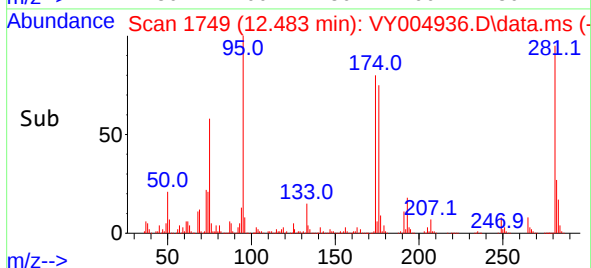
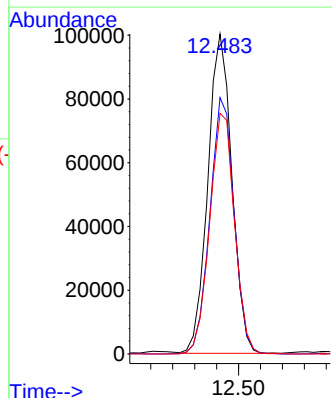
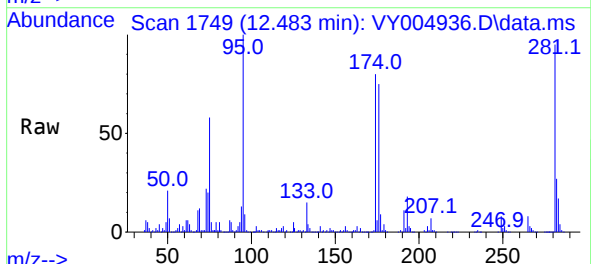
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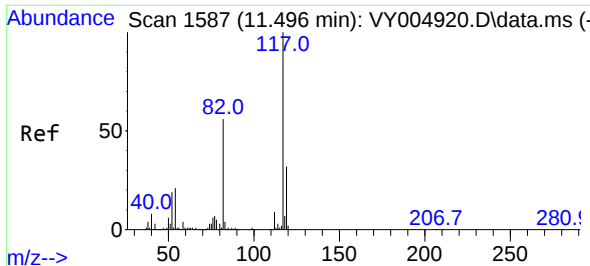
Tgt Ion: 92 Resp: 16987
Ion Ratio Lower Upper
92 100
91 178.4 139.3 208.9



#62
4-Bromofluorobenzene
Concen: 50.705 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion: 95 Resp: 152538
Ion Ratio Lower Upper
95 100
174 80.7 0.0 160.8
176 77.8 0.0 155.6

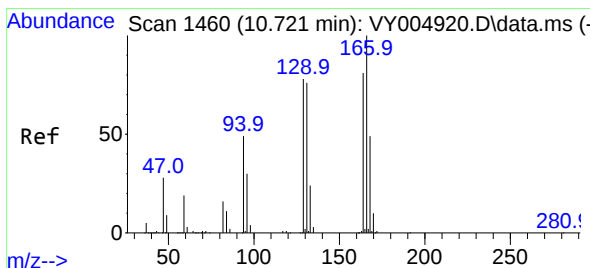
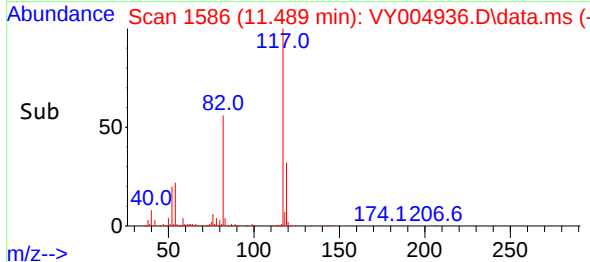
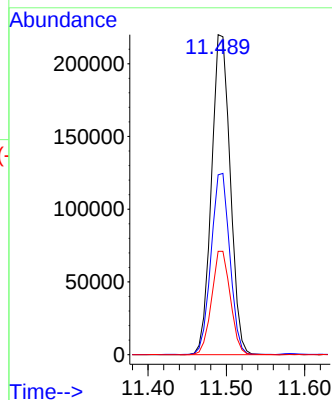
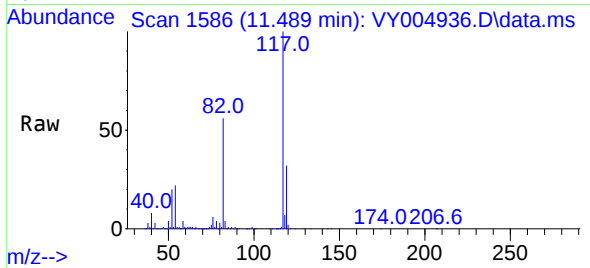




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

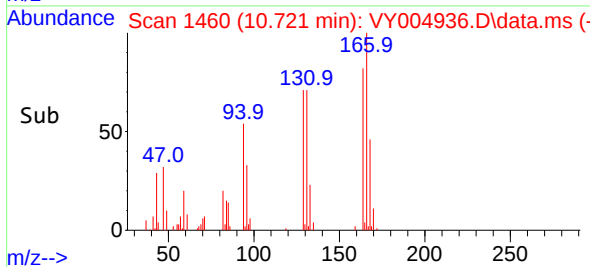
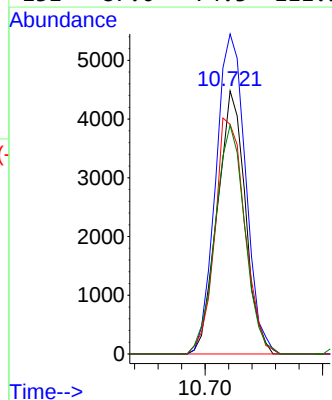
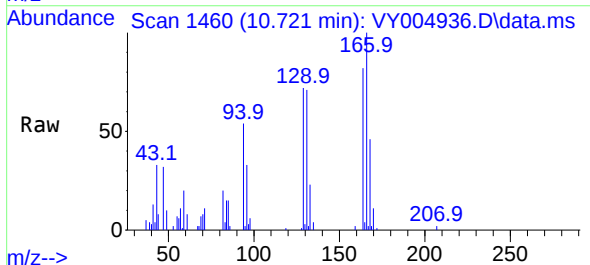
Instrument :
MSVOA_Y
ClientSampleId :
18-B8(4-6)

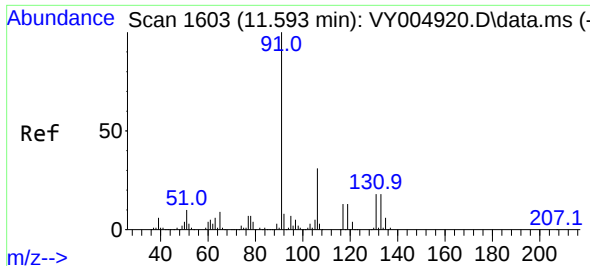
Tgt Ion:117	Resp: 365726
Ion Ratio	Lower Upper
117 100	
82 56.1	44.8 67.2
119 32.3	25.2 37.8



#64
Tetrachloroethene
Concen: 2.420 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion:164	Resp: 7402
Ion Ratio	Lower Upper
164 100	
166 121.7	98.4 147.6
129 87.2	76.8 115.2
131 87.0	74.3 111.5

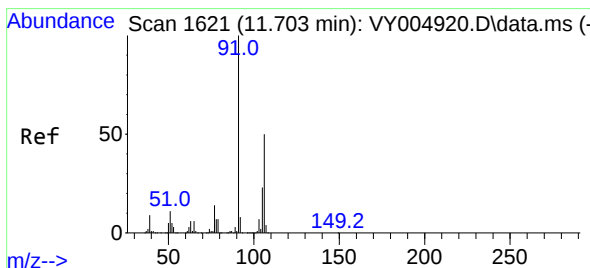
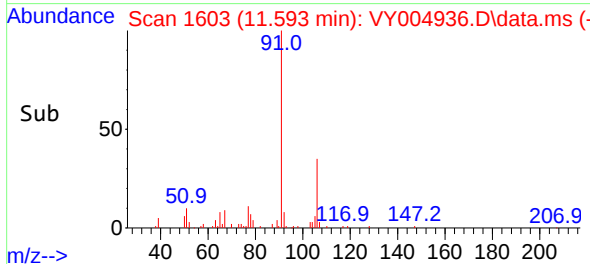
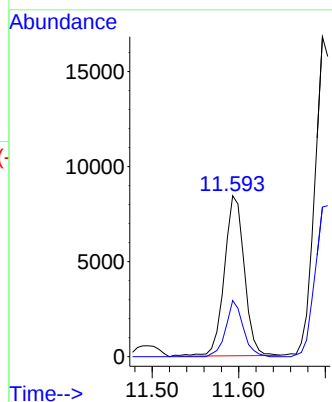
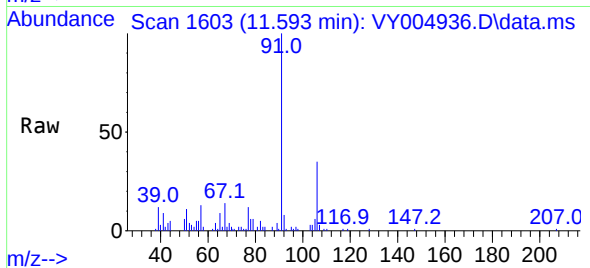




#67
Ethyl Benzene
Concen: 1.005 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

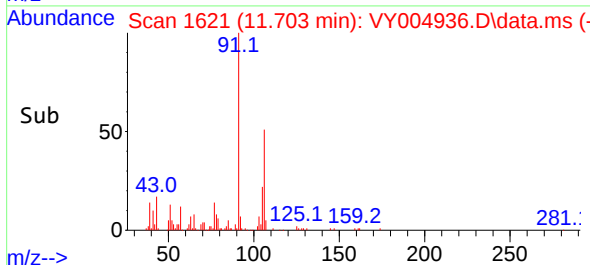
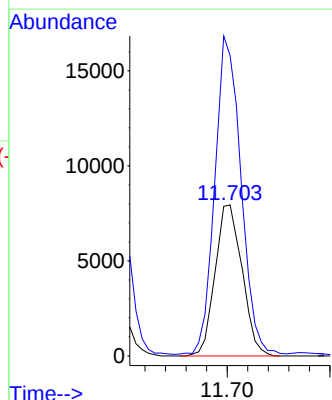
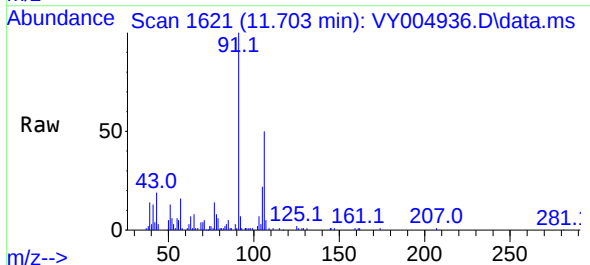
Instrument :
MSVOA_Y
ClientSampleId :
18-B8(4-6)

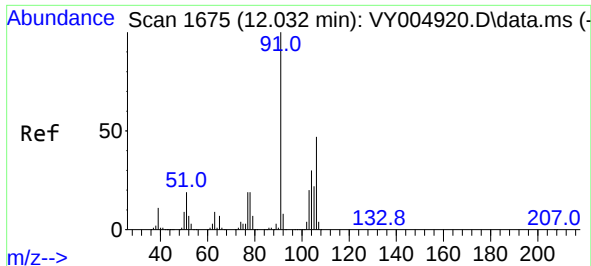
Tgt Ion: 91 Resp: 13463
Ion Ratio Lower Upper
91 100
106 35.2 24.6 36.8



#68
m/p-Xylenes
Concen: 2.886 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion:106 Resp: 14479
Ion Ratio Lower Upper
106 100
91 203.8 161.9 242.9

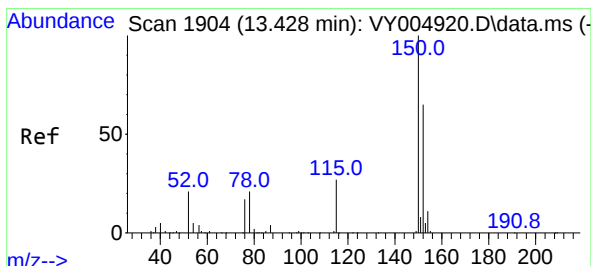
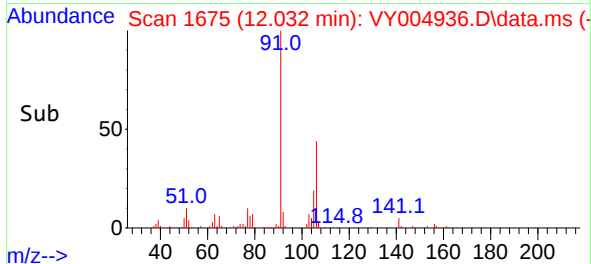
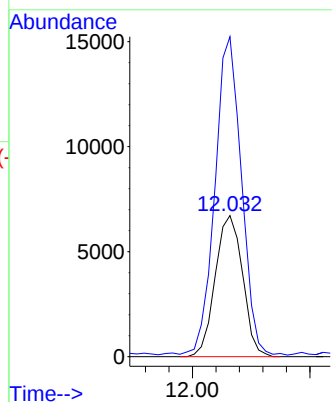
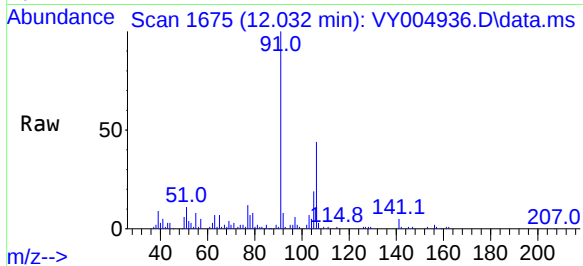




#69
o-Xylene
Concen: 2.325 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

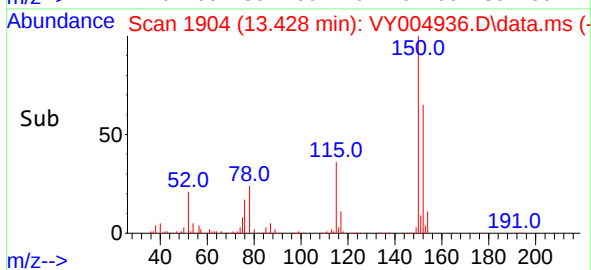
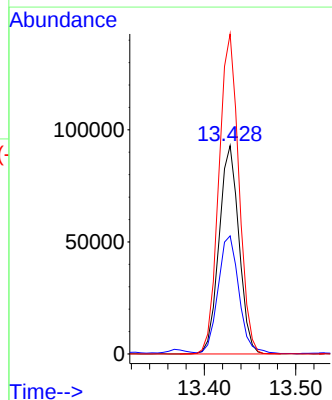
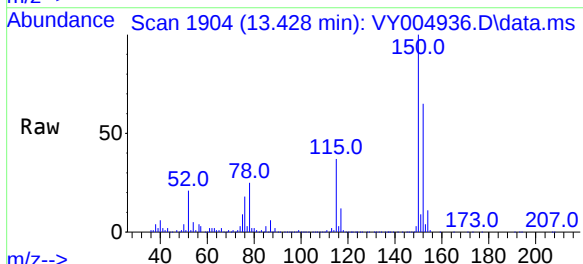
Instrument :
MSVOA_Y
ClientSampled :
18-B8(4-6)

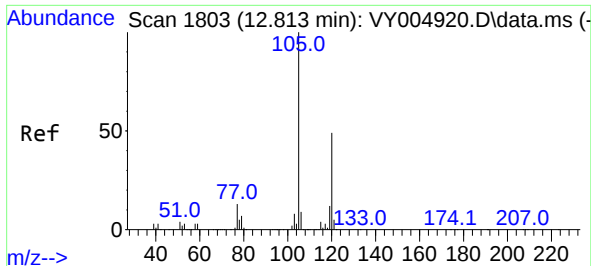
Tgt Ion:106 Resp: 10863
Ion Ratio Lower Upper
106 100
91 218.7 108.0 324.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion:152 Resp: 140496
Ion Ratio Lower Upper
152 100
115 59.6 29.9 89.7
150 154.4 0.0 347.8

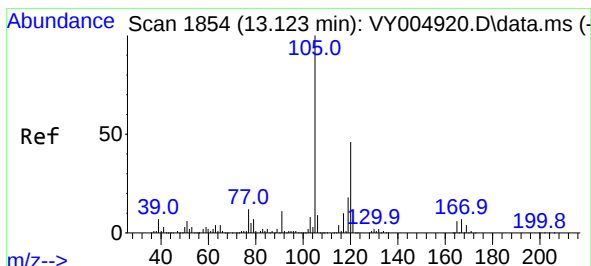
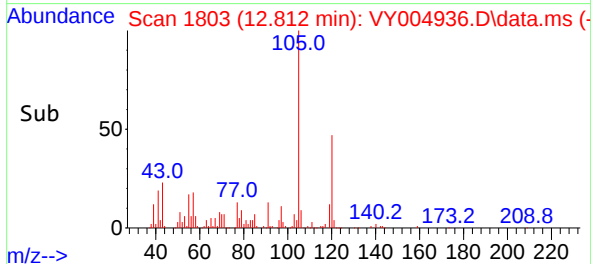
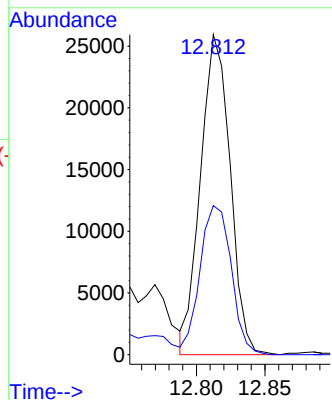
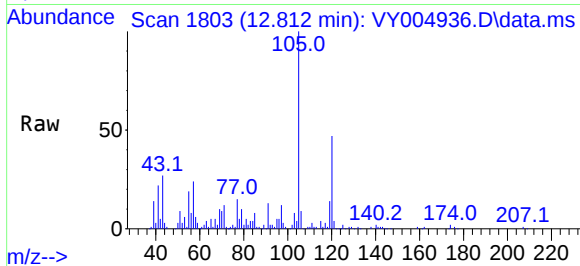




#80
1,3,5-Trimethylbenzene
Concen: 4.443 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

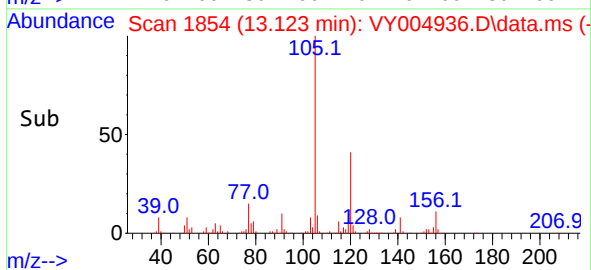
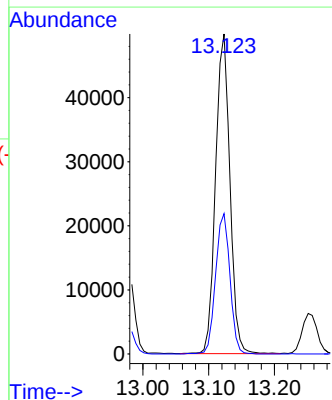
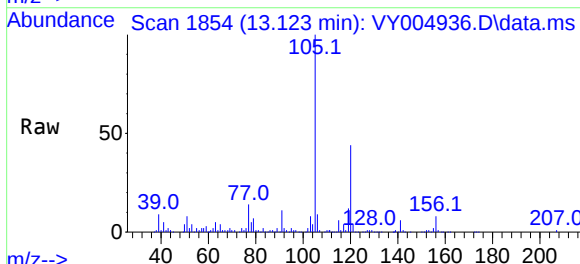
Instrument :
MSVOA_Y
ClientSampleId :
18-B8(4-6)

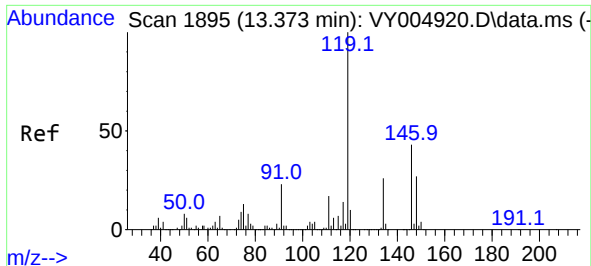
Tgt Ion:105 Resp: 38902
Ion Ratio Lower Upper
105 100
120 49.2 24.5 73.5



#84
1,2,4-Trimethylbenzene
Concen: 8.698 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion:105 Resp: 75681
Ion Ratio Lower Upper
105 100
120 43.9 22.6 67.7

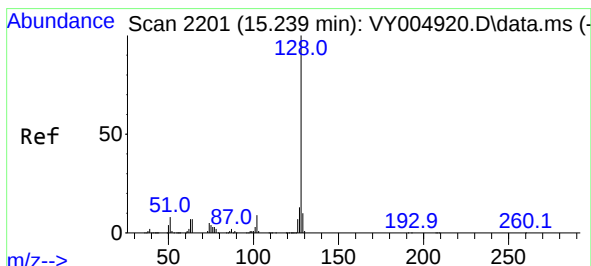
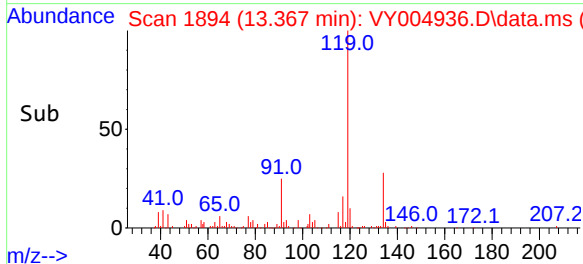
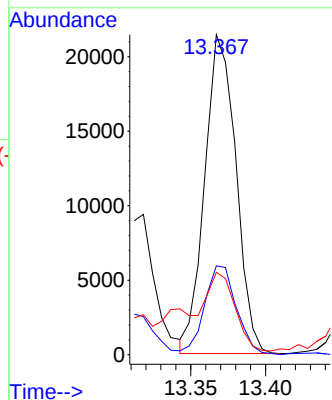
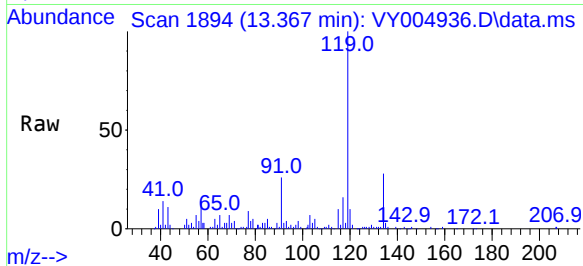




#86
p-Isopropyltoluene
Concen: 3.365 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Instrument :
MSVOA_Y
ClientSampled :
18-B8(4-6)

Tgt Ion:	119	Resp:	31125
Ion Ratio	Lower	Upper	
119	100		
134	28.4	12.9	38.7
91	21.9	11.9	35.5



#95
Naphthalene
Concen: 30.732 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004936.D
Acq: 03 Jun 2021 15:03

Tgt Ion:	128	Resp:	169225
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.2
129	10.9	8.7	13.1

