

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033021\
 Data File : VY004226.D
 Acq On : 30 Mar 2021 11:45
 Operator : SY/MD
 Sample : M1836-08
 Misc : 9.12g/5mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B4-0-2

Quant Time: Mar 31 01:43:22 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)

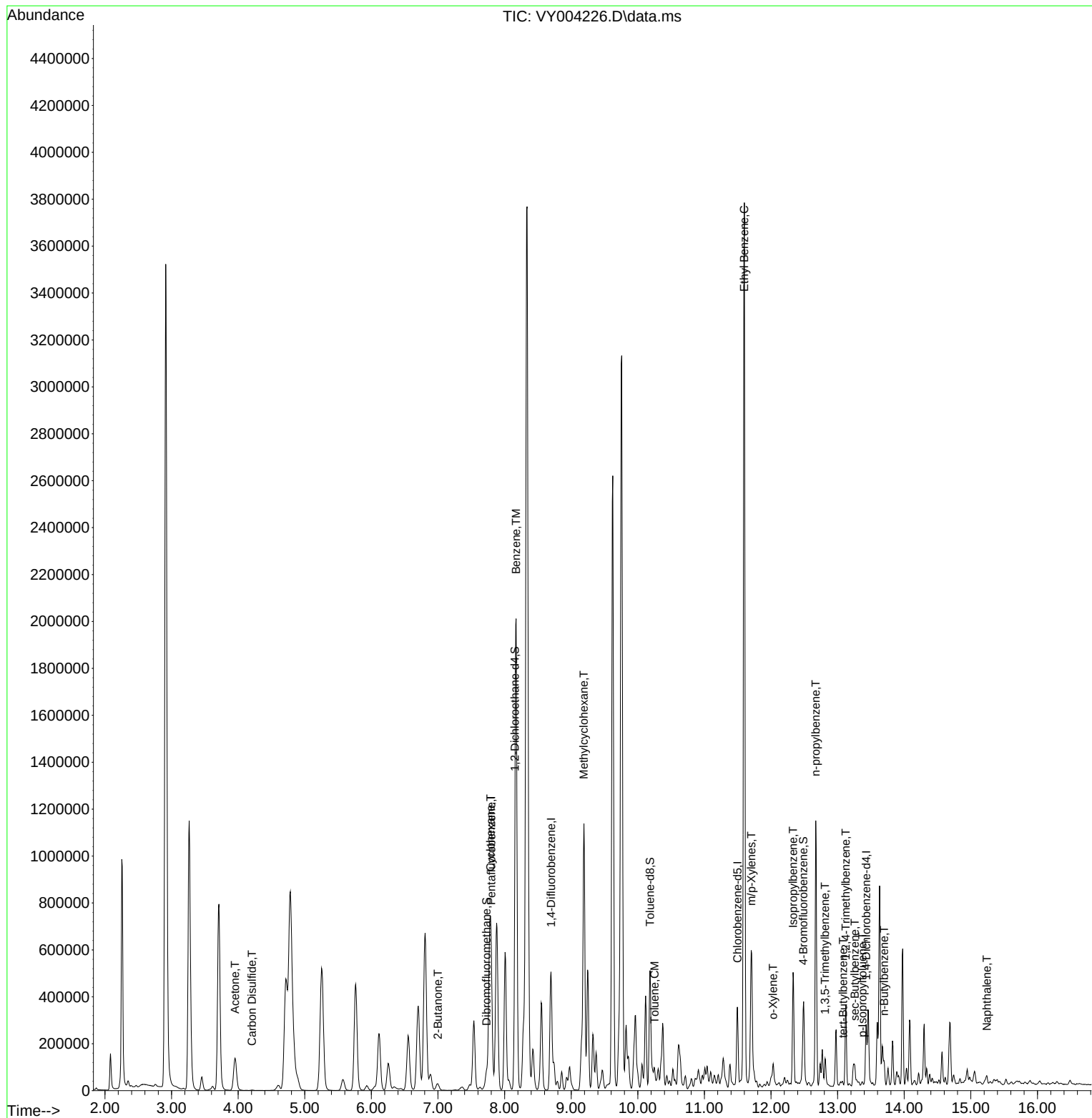
Internal Standards						
1) Pentafluorobenzene	7.801	168	116158	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	181954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	154431	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65883	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	58655	52.53	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.06%			
35) Dibromofluoromethane	7.728	113	54055	53.32	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.64%			
50) Toluene-d8	10.185	98	223243	58.55	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.10%			
62) 4-Bromofluorobenzene	12.483	95	67262	51.47	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.94%			
Target Compounds					Qvalue	
16) Acetone	3.954	43	96200	413.51	ug/l #	65
17) Carbon Disulfide	4.204	76	4021	1.46	ug/l	95
25) 2-Butanone	6.996	43	17074	43.93	ug/l #	68
31) Cyclohexane	7.789	56	287257	145.56	ug/l	86
39) Methylcyclohexane	9.191	83	281578	136.92	ug/l	91
40) Benzene	8.173	78	1966359	417.65	ug/l	97
52) Toluene	10.252	92	34444	11.38	ug/l	99
67) Ethyl Benzene	11.599	91	2481417	443.68	ug/l	100
68) m/p-Xylenes	11.703	106	172903	80.51	ug/l	99
69) o-Xylene	12.032	106	21237	10.57	ug/l	99
73) Isopropylbenzene	12.331	105	297606	61.83	ug/l	99
78) n-propylbenzene	12.672	91	826643	148.44	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	46941	11.96	ug/l	100
83) tert-Butylbenzene	13.081	119	4296	1.27	ug/l	89
84) 1,2,4-Trimethylbenzene	13.123	105	177962	45.19	ug/l	99
85) sec-Butylbenzene	13.257	105	51793	11.09	ug/l #	54
86) p-Isopropyltoluene	13.373	119	7448	1.71	ug/l	98
89) n-Butylbenzene	13.696	91	66561	16.66	ug/l #	74
95) Naphthalene	15.239	128	28960	10.18	ug/l	98

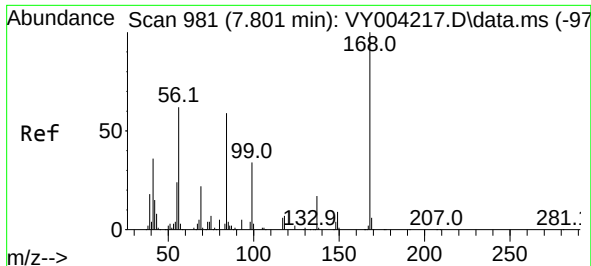
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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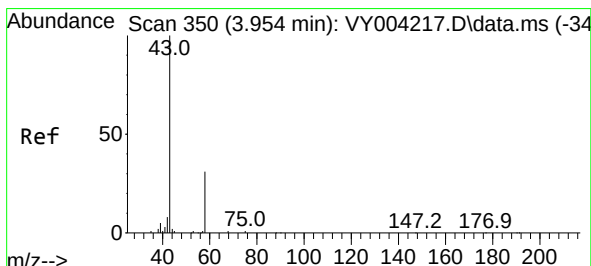
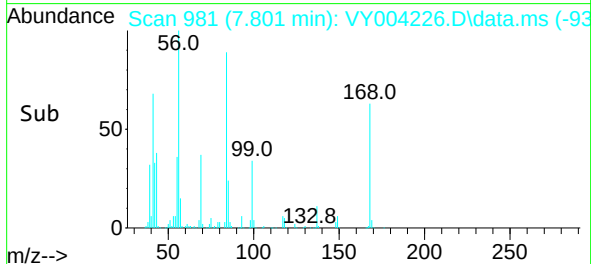
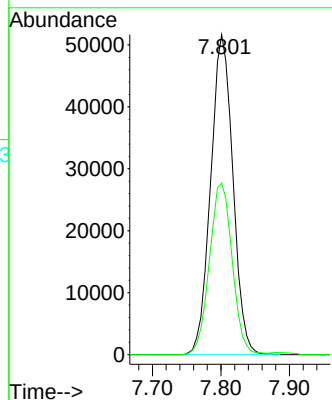
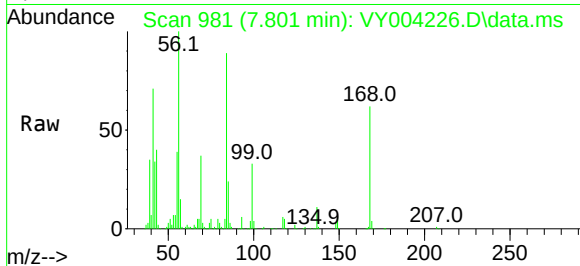




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

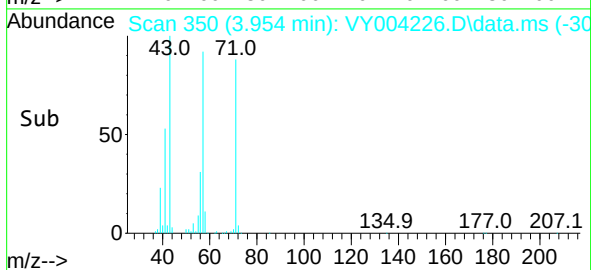
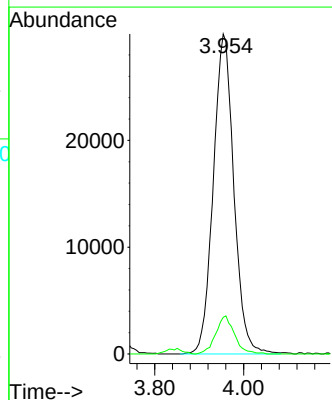
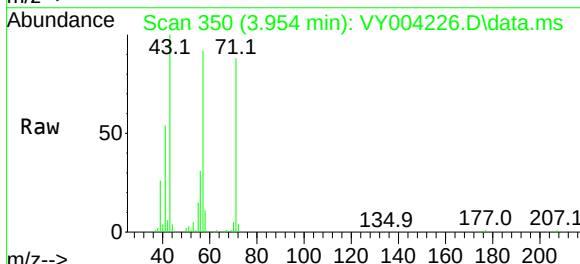
Instrument :
MSVOA_Y
ClientSampleId :
B4-0-2

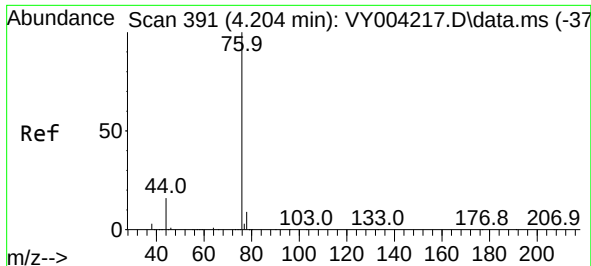
Tgt Ion:168 Resp: 116158
Ion Ratio Lower Upper
168 100
99 53.6 42.6 64.0



#16
Acetone
Concen: 413.51 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion: 43 Resp: 96200
Ion Ratio Lower Upper
43 100
58 11.4 24.5 36.7#

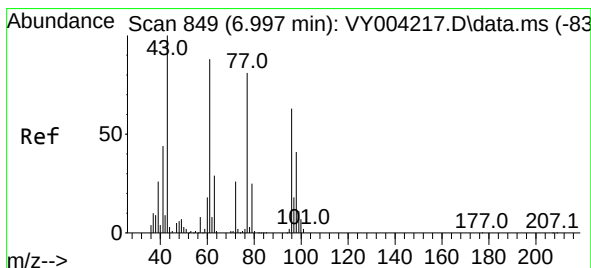
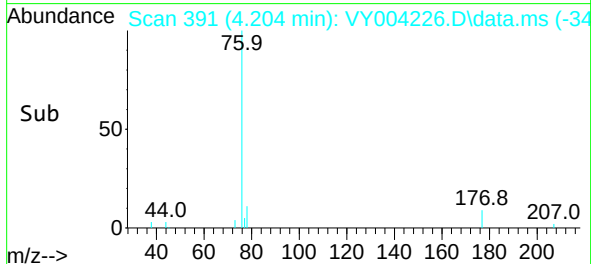
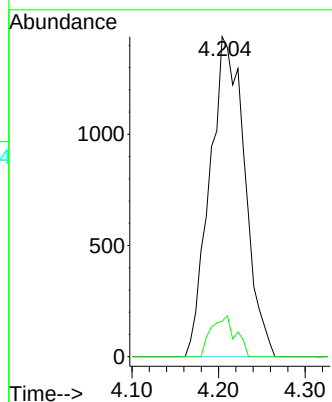
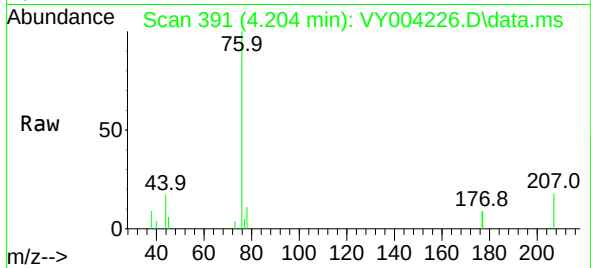




#17
Carbon Disulfide
Concen: 1.46 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

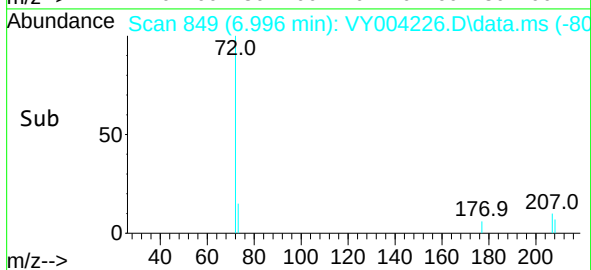
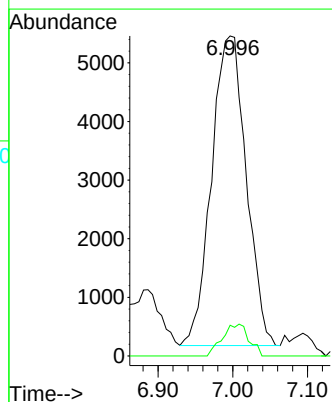
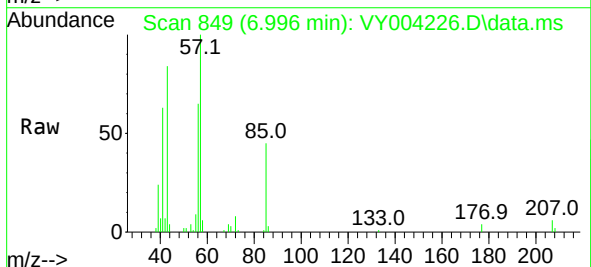
Instrument :
MSVOA_Y
ClientSampled :
B4-0-2

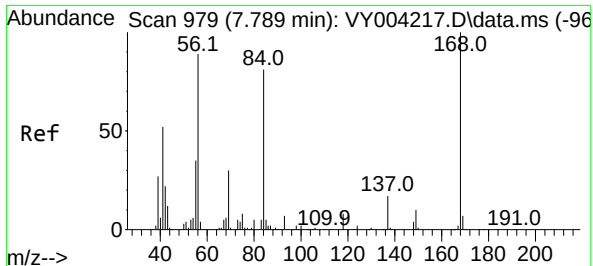
Tgt Ion: 76 Resp: 4021
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.2



#25
2-Butanone
Concen: 43.93 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion: 43 Resp: 17074
Ion Ratio Lower Upper
43 100
72 9.9 21.0 31.6#

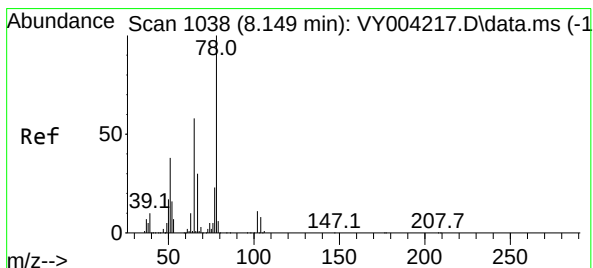
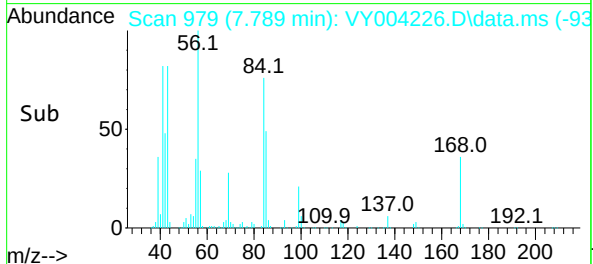
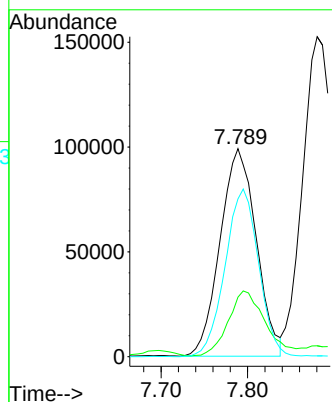
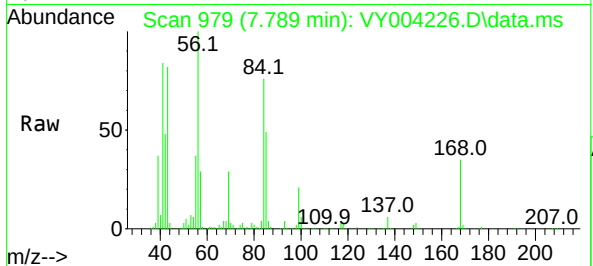




#31
Cyclohexane
Concen: 145.56 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

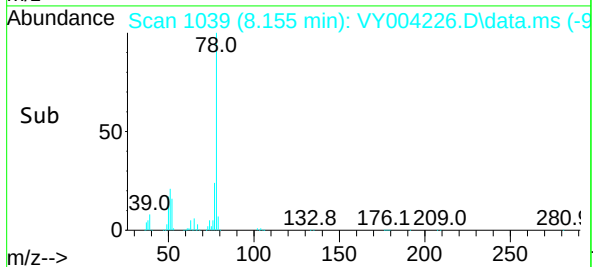
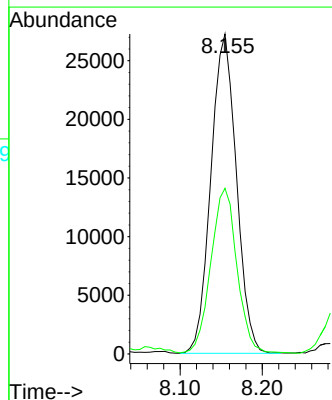
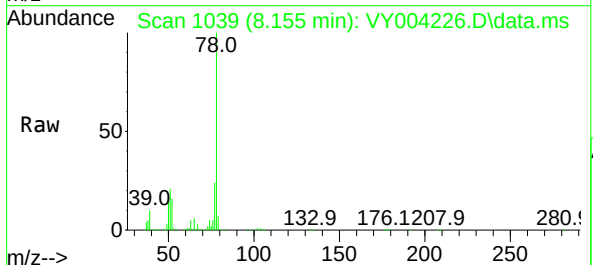
Instrument :
MSVOA_Y
ClientSampled :
B4-0-2

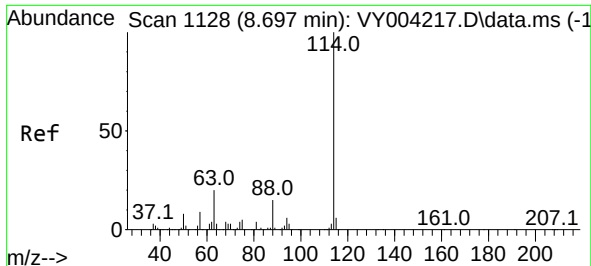
Tgt Ion: 56 Resp: 287257
Ion Ratio Lower Upper
56 100
69 27.6 26.6 40.0
84 76.0 72.3 108.5



#33
1,2-Dichloroethane-d4
Concen: 52.53 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion: 65 Resp: 58655
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.2

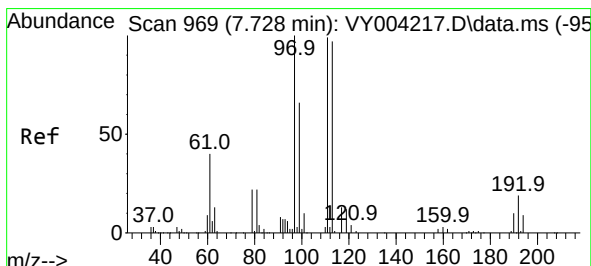
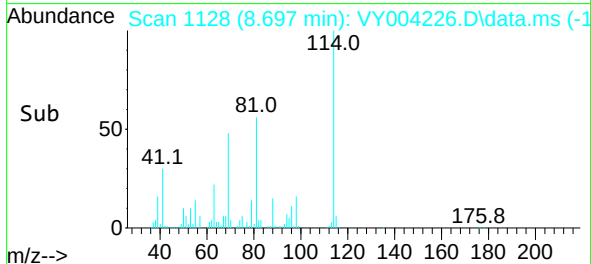
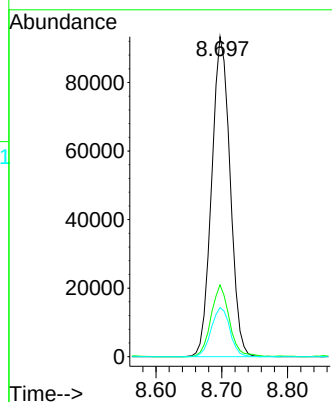
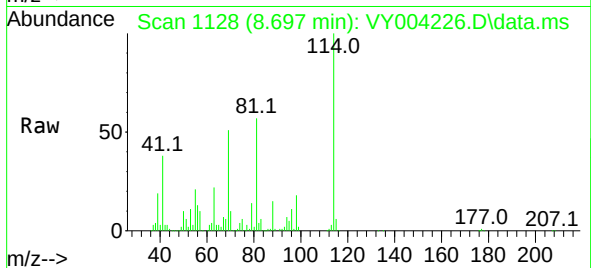




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

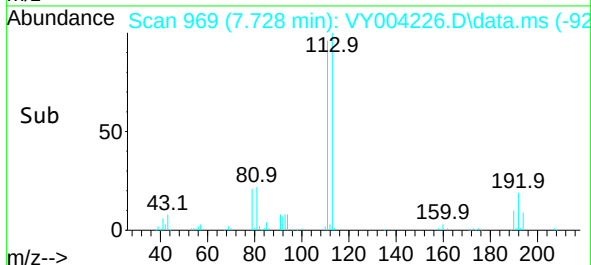
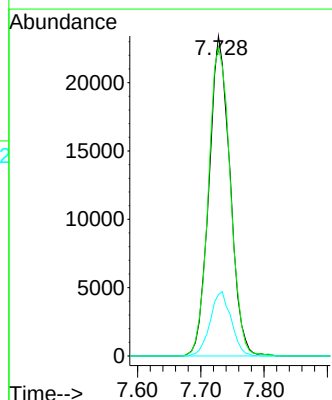
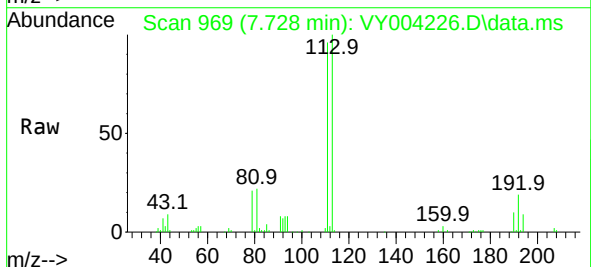
Instrument :
MSVOA_Y
ClientSampled :
B4-0-2

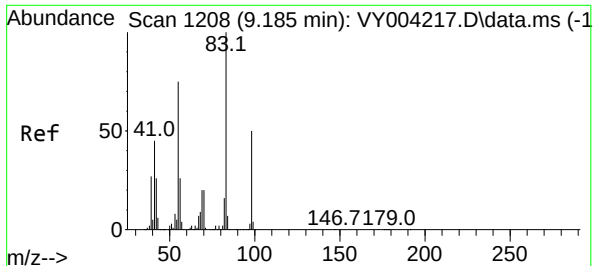
Tgt Ion:114 Resp: 181954
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.4
88 15.3 0.0 30.8



#35
Dibromofluoromethane
Concen: 53.32 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion:113 Resp: 54055
Ion Ratio Lower Upper
113 100
111 100.7 82.6 124.0
192 20.1 16.4 24.6

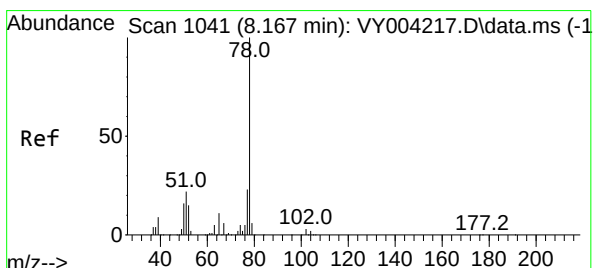
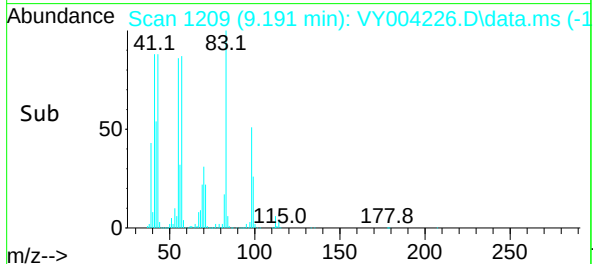
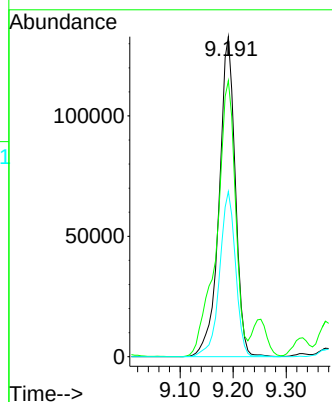
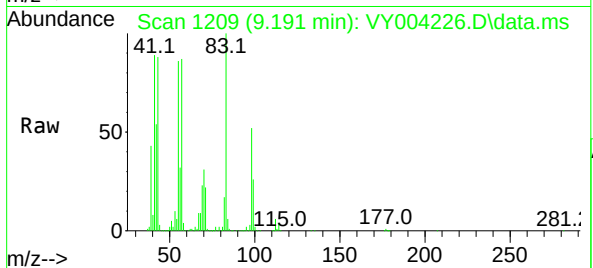




#39
Methylcyclohexane
Concen: 136.92 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.006 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

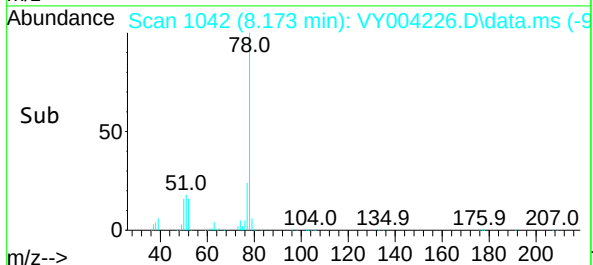
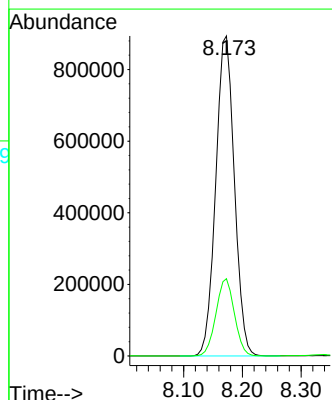
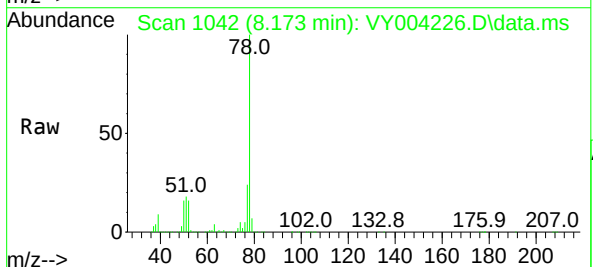
Instrument :
MSVOA_Y
ClientSampleId :
B4-0-2

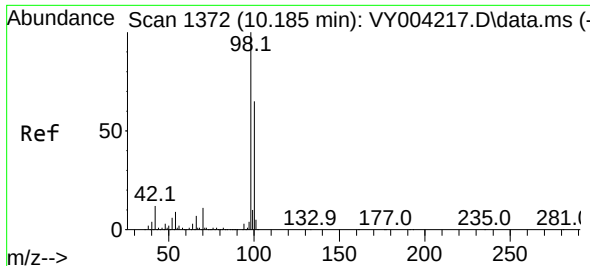
Tgt Ion: 83 Resp: 281578
Ion Ratio Lower Upper
83 100
55 86.2 60.0 90.0
98 51.6 40.2 60.2



#40
Benzene
Concen: 417.65 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion: 78 Resp: 1966359
Ion Ratio Lower Upper
78 100
77 24.2 18.3 27.5

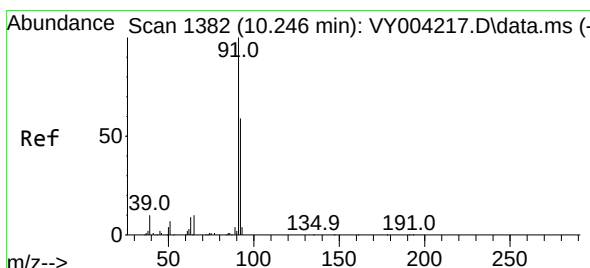
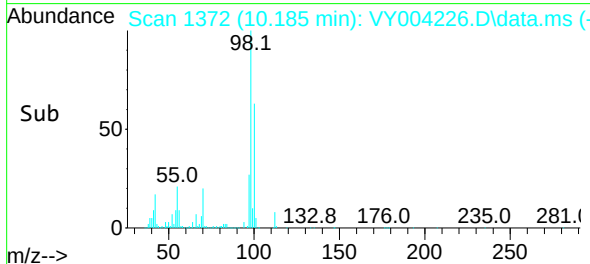
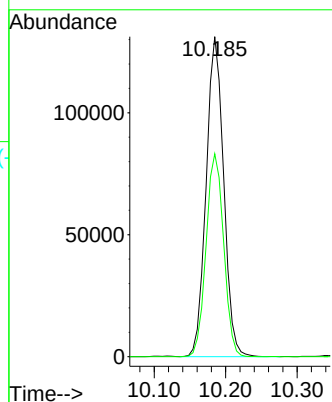
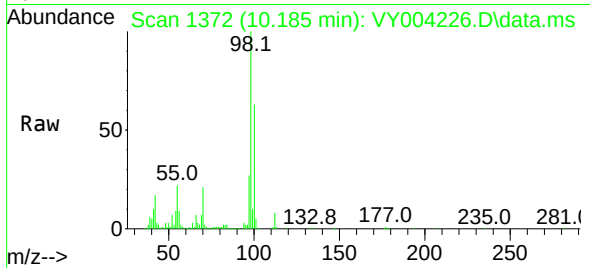




#50
Toluene-d8
Concen: 58.55 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

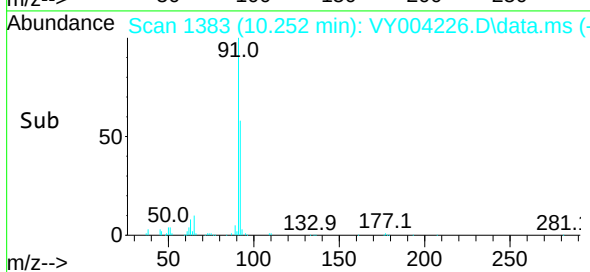
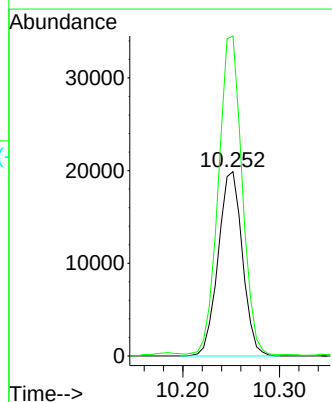
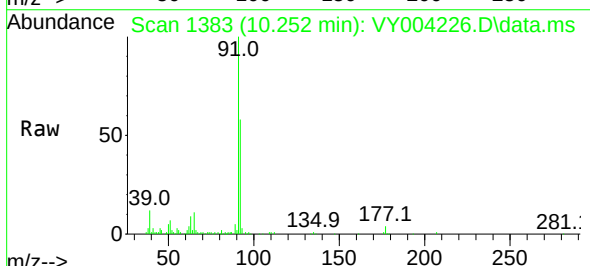
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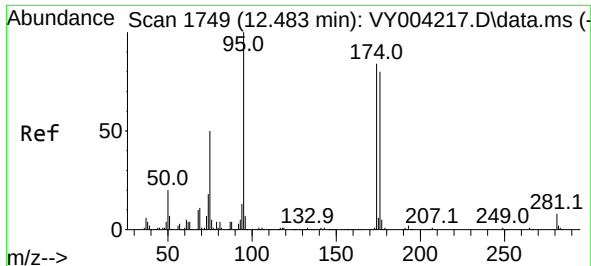
Tgt Ion: 98 Resp: 223243
Ion Ratio Lower Upper
98 100
100 63.5 52.5 78.7



#52
Toluene
Concen: 11.38 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion: 92 Resp: 34444
Ion Ratio Lower Upper
92 100
91 170.9 136.0 204.0

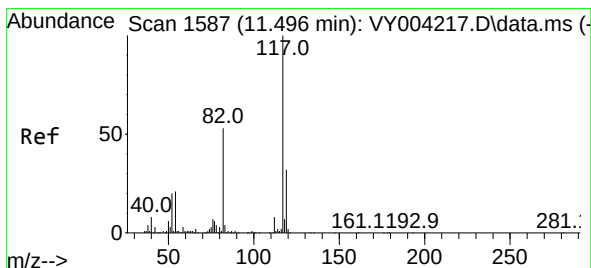
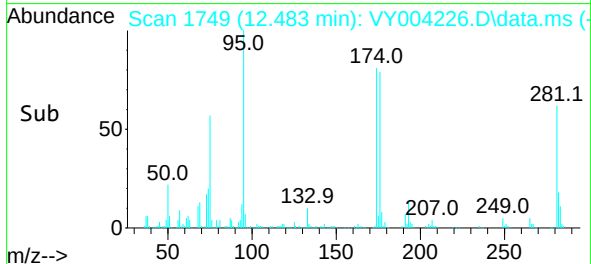
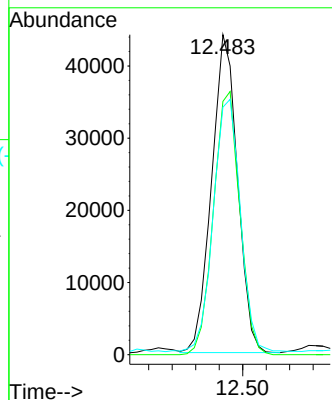
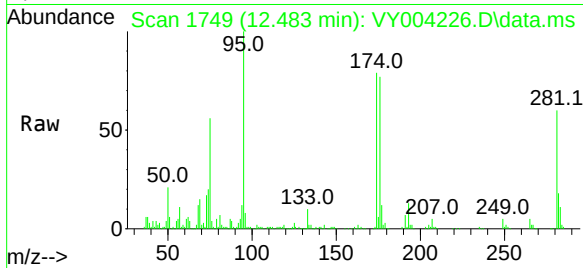




#62
4-Bromofluorobenzene
Concen: 51.47 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

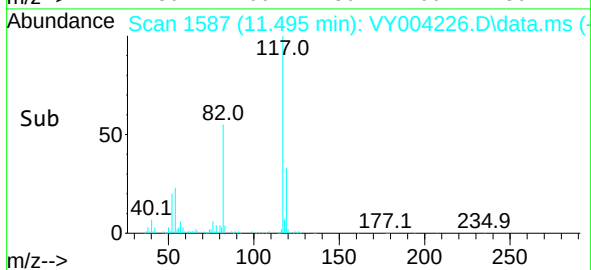
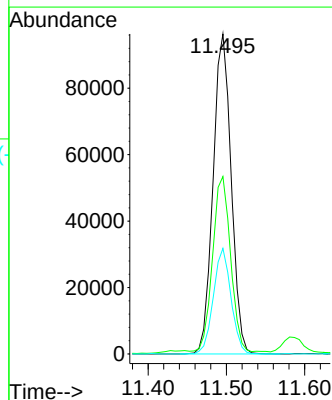
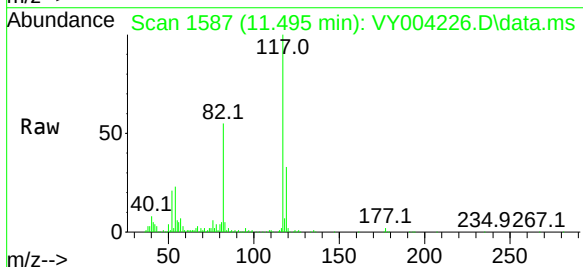
Instrument :
MSVOA_Y
ClientSampleId :
B4-0-2

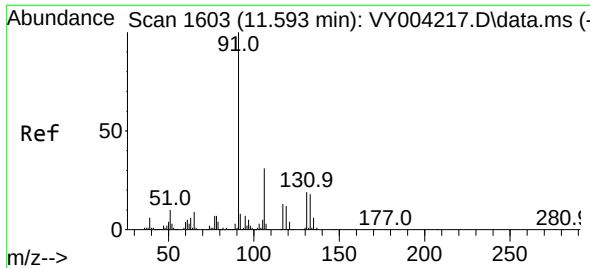
Tgt Ion: 95 Resp: 67262
Ion Ratio Lower Upper
95 100
174 84.2 0.0 171.4
176 83.1 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion: 117 Resp: 154431
Ion Ratio Lower Upper
117 100
82 54.5 42.7 64.1
119 33.0 25.7 38.5

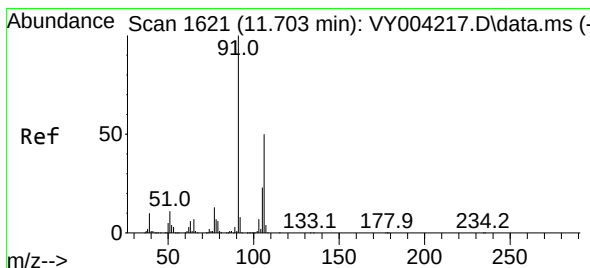
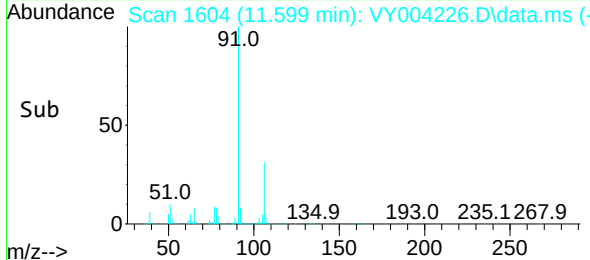
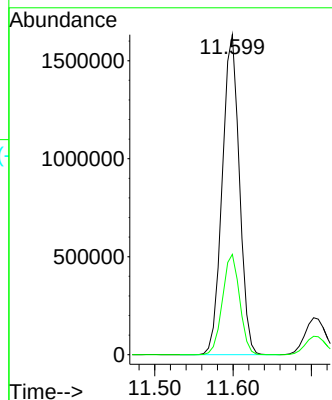
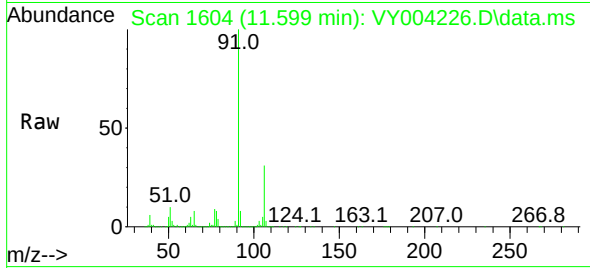




#67
Ethyl Benzene
Concen: 443.68 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

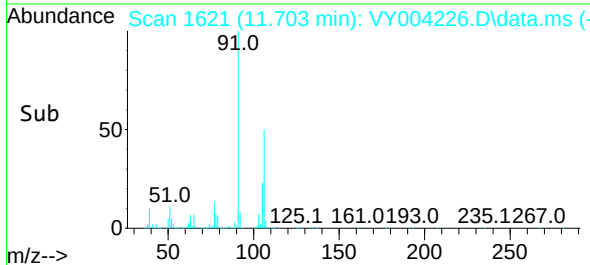
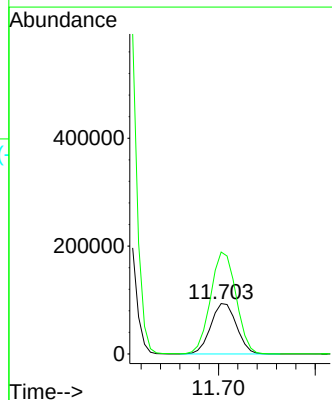
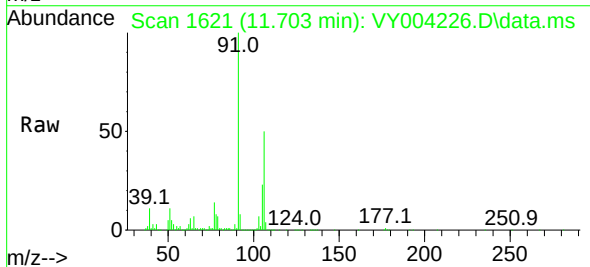
Instrument :
MSVOA_Y
ClientSampleId :
B4-0-2

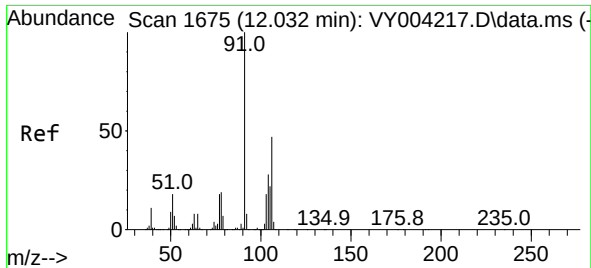
Tgt Ion: 91 Resp: 2481417
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.6



#68
m/p-Xylenes
Concen: 80.51 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion:106 Resp: 172903
Ion Ratio Lower Upper
106 100
91 200.5 159.8 239.6

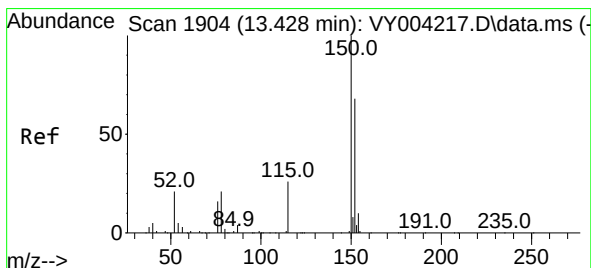
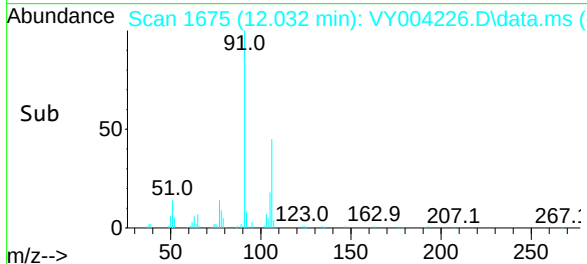
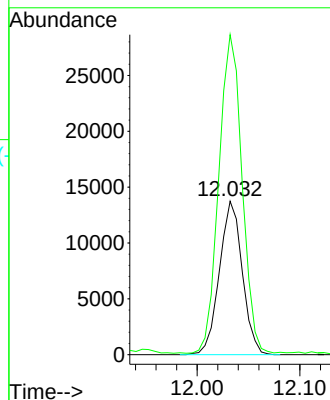
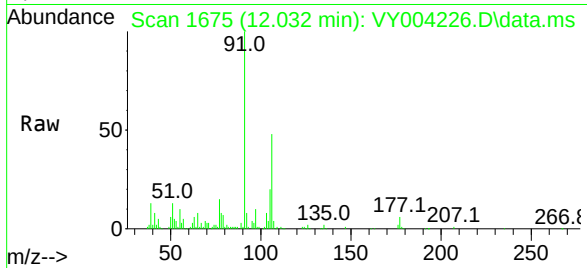




#69
o-Xylene
Concen: 10.57 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

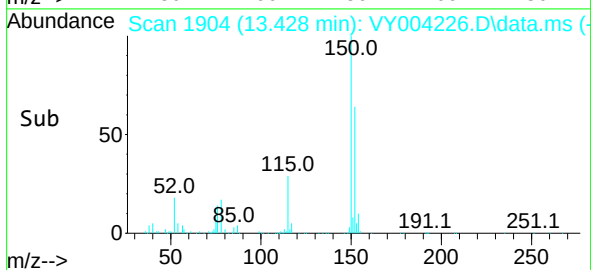
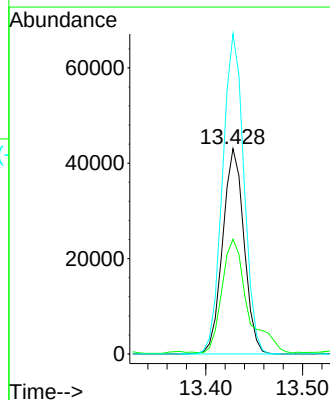
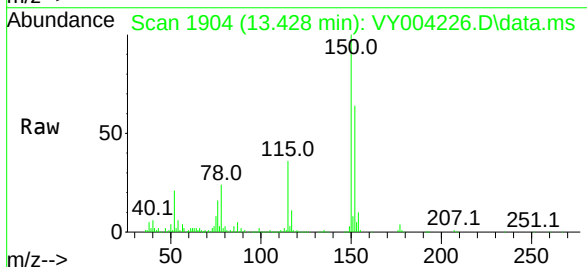
Instrument :
MSVOA_Y
ClientSampled :
B4-0-2

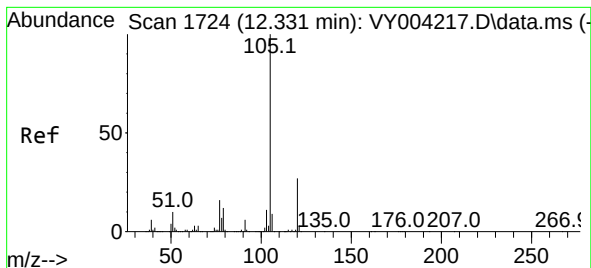
Tgt Ion:106 Resp: 21237
Ion Ratio Lower Upper
106 100
91 210.2 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion:152 Resp: 65883
Ion Ratio Lower Upper
152 100
115 65.5 29.0 87.1
150 156.1 0.0 347.4





#73

Isopropylbenzene

Concen: 61.83 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY004226.D

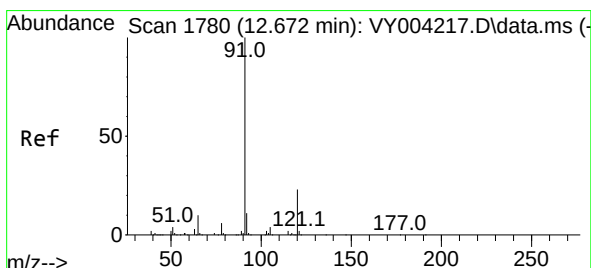
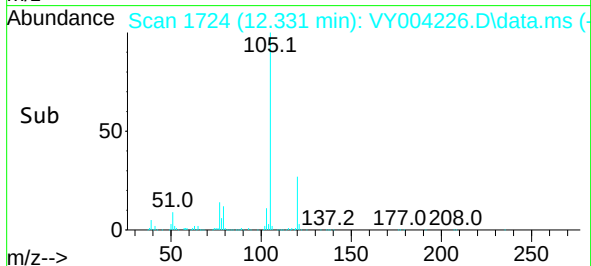
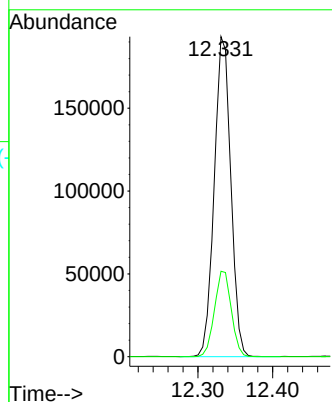
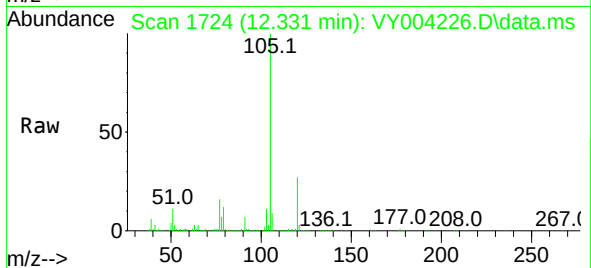
Acq: 30 Mar 2021 11:45

Tgt Ion:105 Resp: 297606

Ion Ratio Lower Upper

105 100

120 27.0 13.7 41.0



#78

n-propylbenzene

Concen: 148.44 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY004226.D

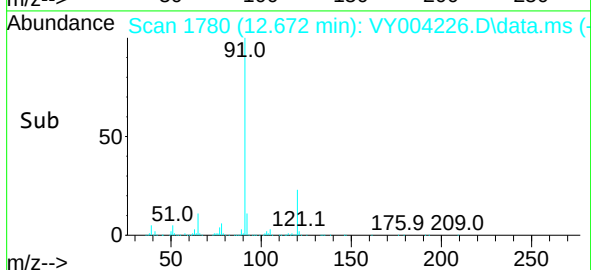
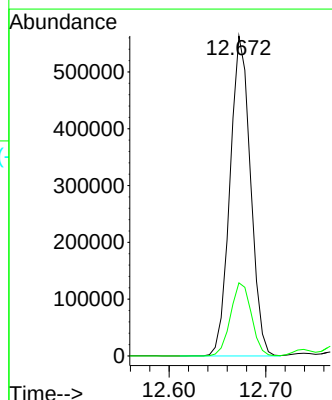
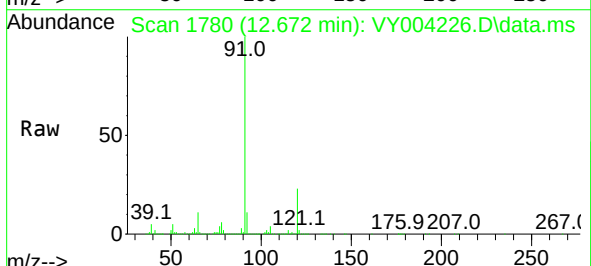
Acq: 30 Mar 2021 11:45

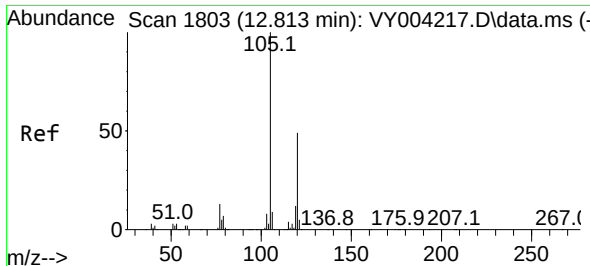
Tgt Ion: 91 Resp: 826643

Ion Ratio Lower Upper

91 100

120 23.3 11.9 35.5

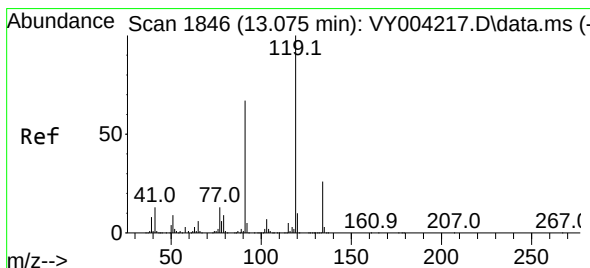
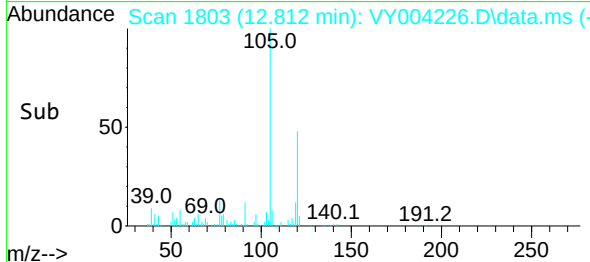
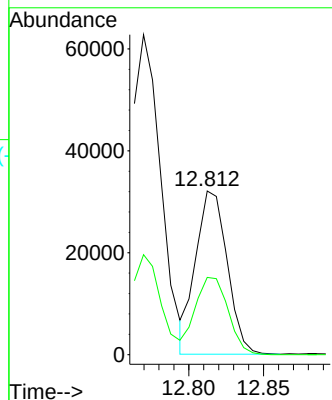
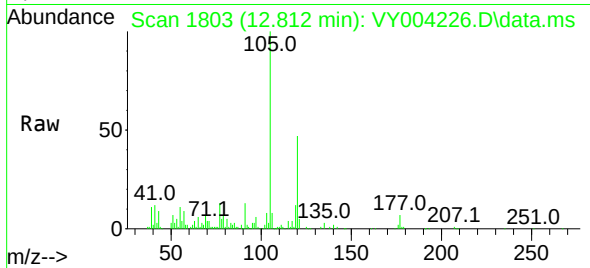




#80
1,3,5-Trimethylbenzene
Concen: 11.96 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

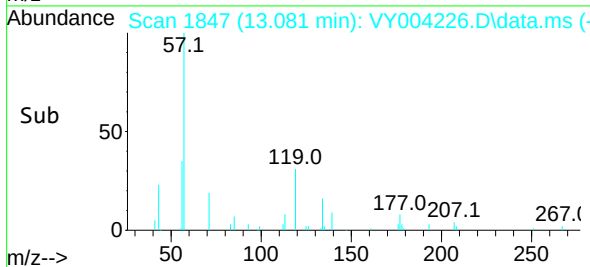
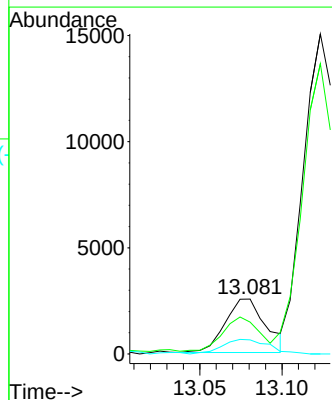
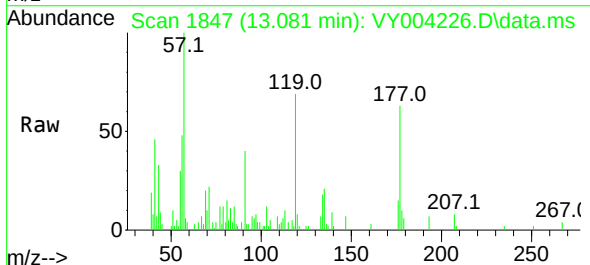
Instrument :
MSVOA_Y
ClientSampleId :
B4-0-2

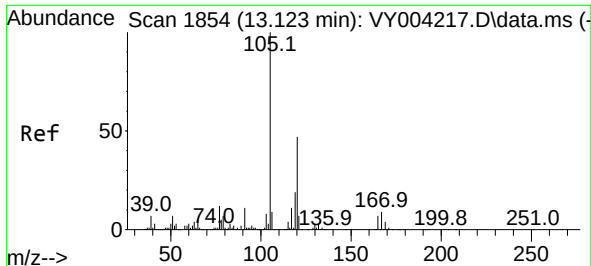
Tgt Ion:105 Resp: 46941
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.7



#83
tert-Butylbenzene
Concen: 1.27 ug/l
RT: 13.081 min Scan# 1847
Delta R.T. 0.006 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion:119 Resp: 4296
Ion Ratio Lower Upper
119 100
91 56.0 33.1 99.2
134 31.1 13.6 40.8

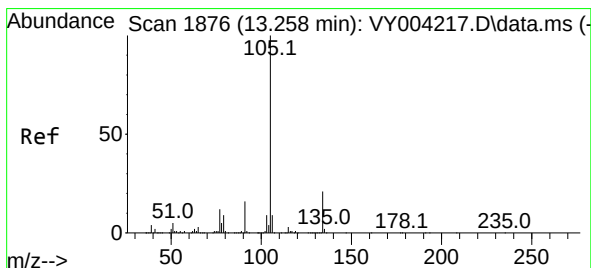
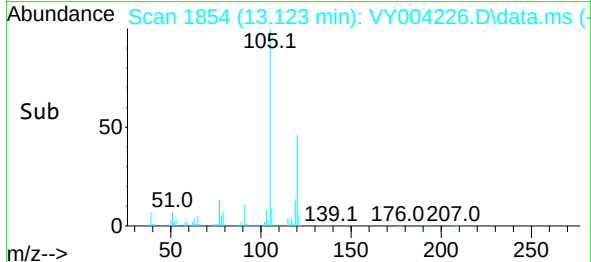
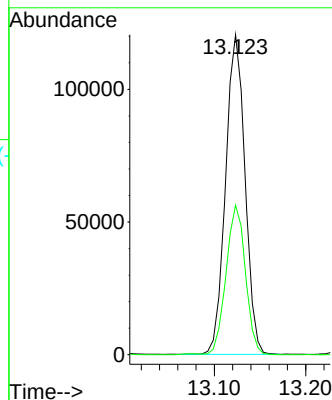
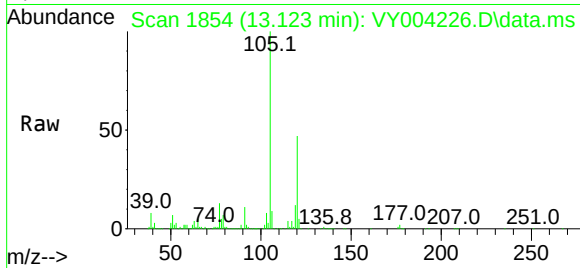




#84
1,2,4-Trimethylbenzene
Concen: 45.19 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

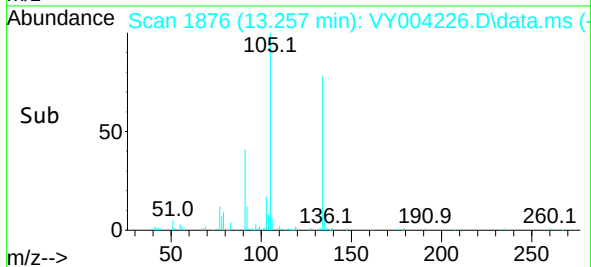
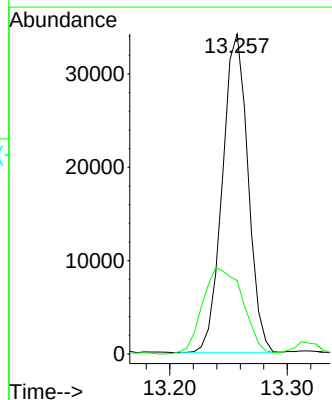
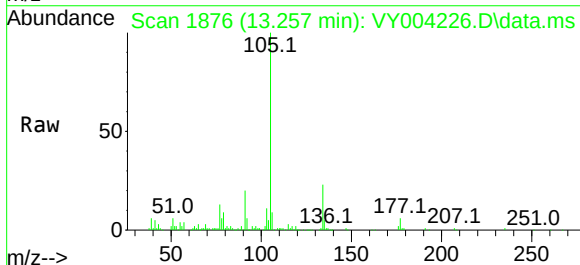
Instrument :
MSVOA_Y
ClientSampled :
B4-0-2

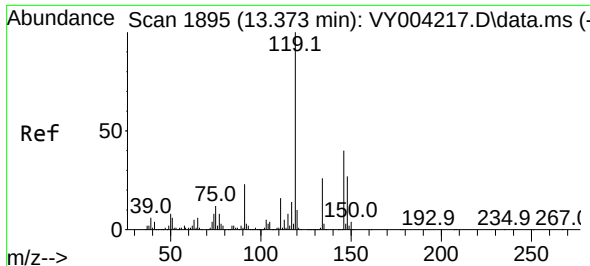
Tgt Ion:105 Resp: 177962
Ion Ratio Lower Upper
105 100
120 46.6 22.9 68.7



#85
sec-Butylbenzene
Concen: 11.09 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion:105 Resp: 51793
Ion Ratio Lower Upper
105 100
134 42.5 10.4 31.4#

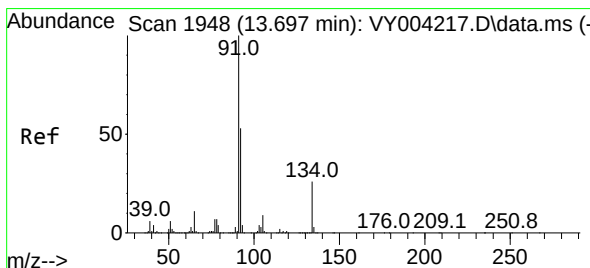
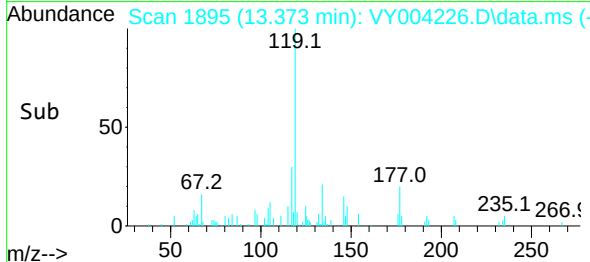
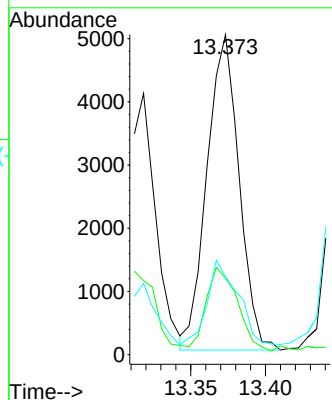
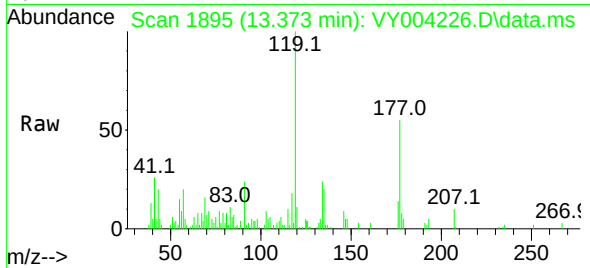




#86
p-Isopropyltoluene
Concen: 1.71 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

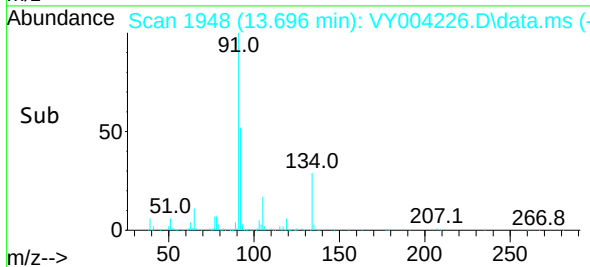
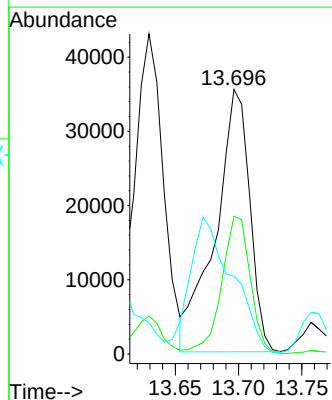
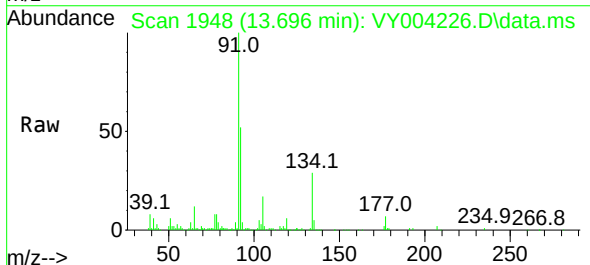
Instrument :
MSVOA_Y
ClientSampleId :
B4-0-2

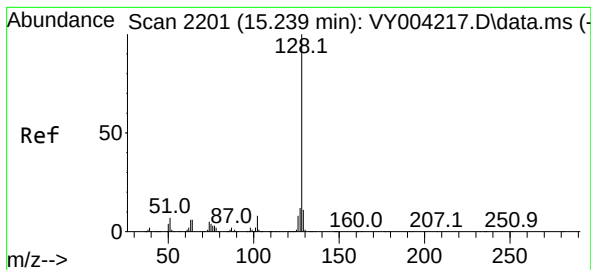
Tgt Ion:	119	Resp:	7448
Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.9
91	25.3	12.0	36.0



#89
n-Butylbenzene
Concen: 16.66 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Tgt Ion:	91	Resp:	66561
Ion	Ratio	Lower	Upper
91	100		
92	44.1	26.5	79.4
134	0.0	13.6	40.7#





#95
Naphthalene
Concen: 10.18 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004226.D
Acq: 30 Mar 2021 11:45

Instrument :
MSVOA_Y
ClientSampleId :
B4-0-2

Tgt Ion:128 Resp: 28960
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 11.7 8.9 13.3

