

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041521\
 Data File : VY004437.D
 Acq On : 15 Apr 2021 13:25
 Operator : SY/MD
 Sample : M2047-05
 Misc : 6.66G/5ML/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 130-SB3-(1.5-2)

Quant Time: Apr 16 05:03:42 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041221S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 13 03:38:02 2021
 Response via : Initial Calibration

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

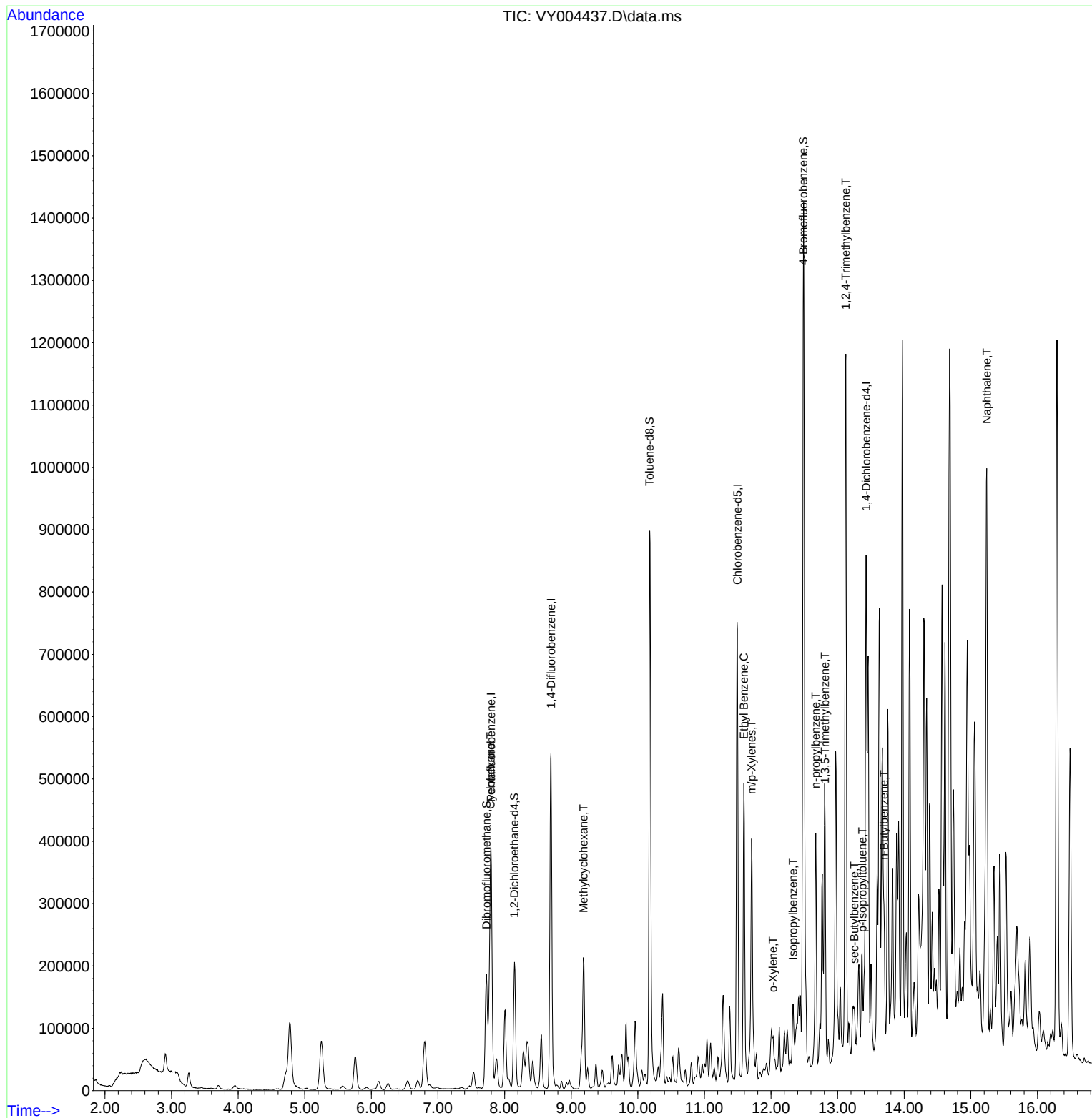
Internal Standards						
1) Pentafluorobenzene	7.795	168	246917	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	425574	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	395527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	170651	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	156051	56.88	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.76%			
35) Dibromofluoromethane	7.728	113	125358	53.08	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.16%			
50) Toluene-d8	10.179	98	522026	51.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.92%			
62) 4-Bromofluorobenzene	12.483	95	185132	54.31	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 108.62%			
Target Compounds					Qvalue	
31) Cyclohexane	7.789	56	46462	9.24	ug/l #	91
39) Methylcyclohexane	9.185	83	84428	16.22	ug/l	99
67) Ethyl Benzene	11.593	91	304616	20.17	ug/l	100
68) m/p-Xylenes	11.709	106	63730	11.36	ug/l	100
69) o-Xylene	12.032	106	10657	2.03	ug/l	99
73) Isopropylbenzene	12.331	105	60476	4.59	ug/l	99
78) n-propylbenzene	12.672	91	273246	17.54	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	70374	6.57	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	603316	55.78	ug/l	100
85) sec-Butylbenzene	13.251	105	37998	2.97	ug/l #	53
86) p-Isopropyltoluene	13.373	119	28082	2.41	ug/l	99
89) n-Butylbenzene	13.696	91	148303	13.35	ug/l #	72
95) Naphthalene	15.239	128	703109	99.82	ug/l	99

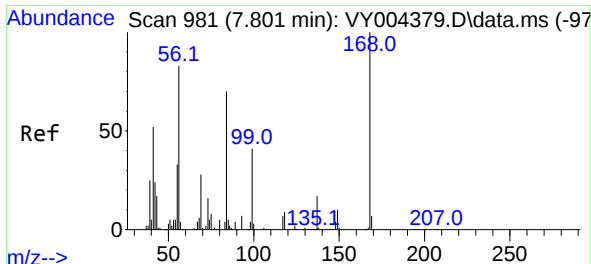
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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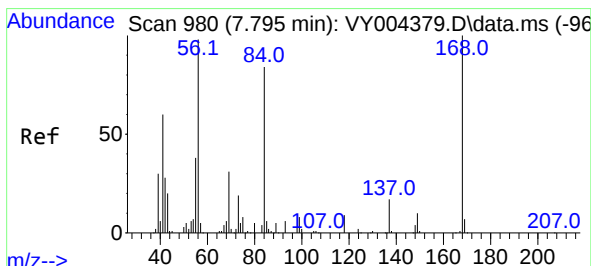
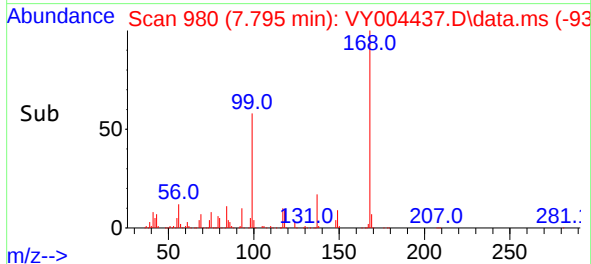
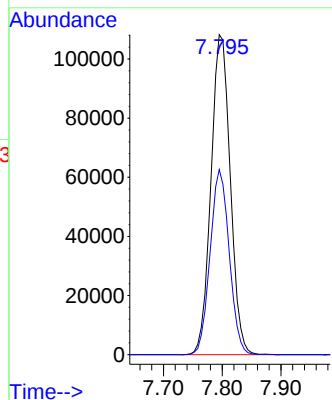
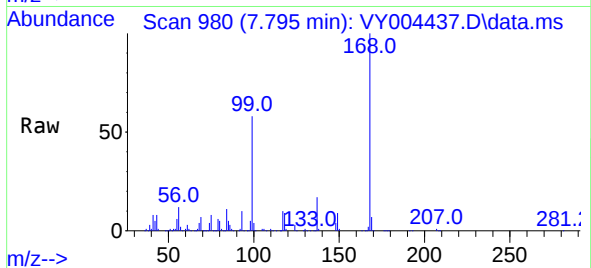




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

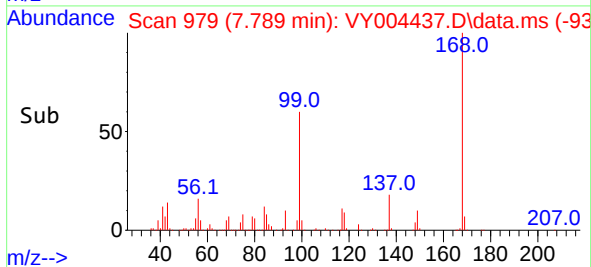
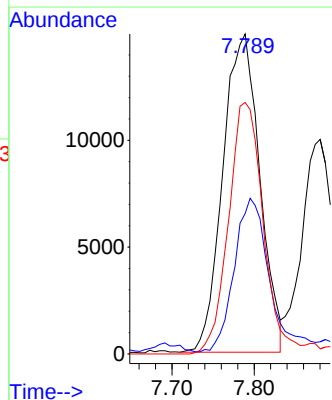
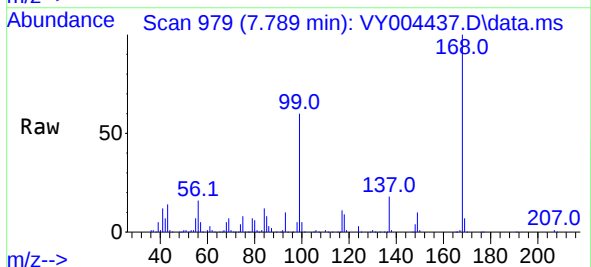
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

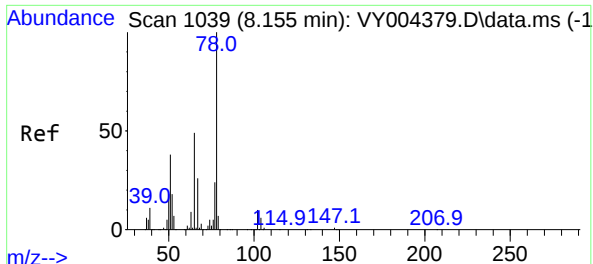
Tgt Ion:168 Resp: 246917
Ion Ratio Lower Upper
168 100
99 57.8 45.5 68.3



#31
Cyclohexane
Concen: 9.24 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion: 56 Resp: 46462
Ion Ratio Lower Upper
56 100
69 41.4 25.8 38.6#
84 79.1 68.2 102.4

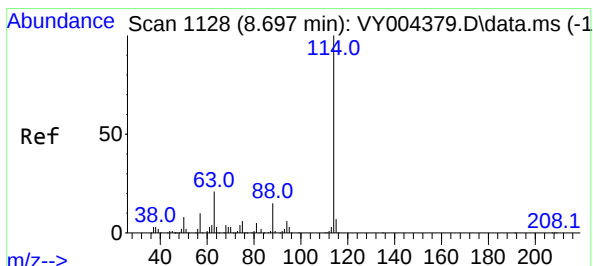
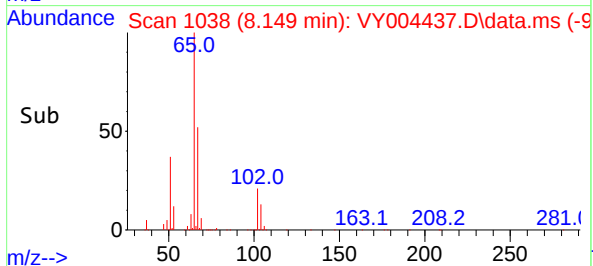
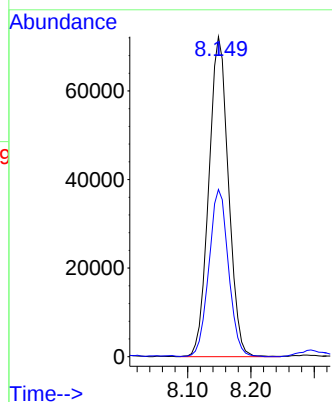
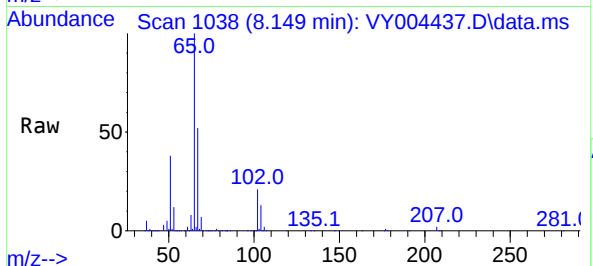




#33
1,2-Dichloroethane-d4
Concen: 56.88 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

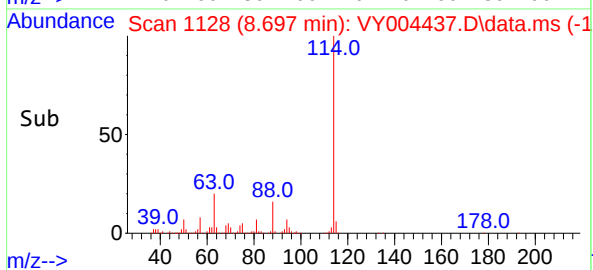
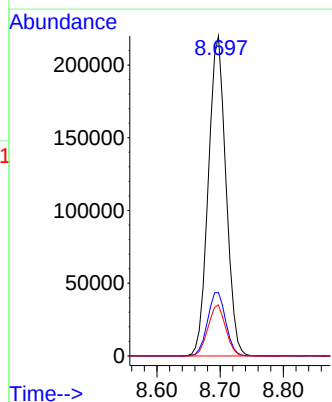
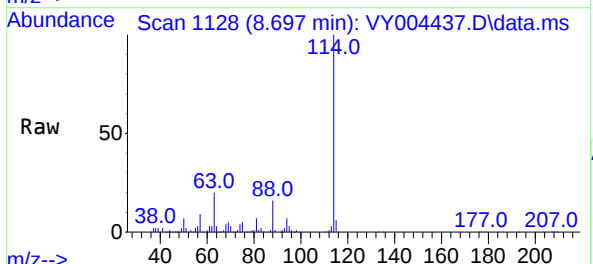
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

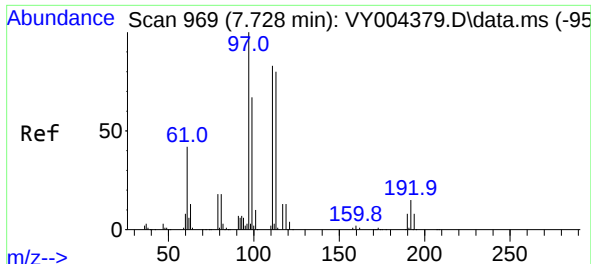
Tgt Ion: 65 Resp: 156051
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion: 114 Resp: 425574
Ion Ratio Lower Upper
114 100
63 19.8 0.0 42.4
88 15.9 0.0 30.8

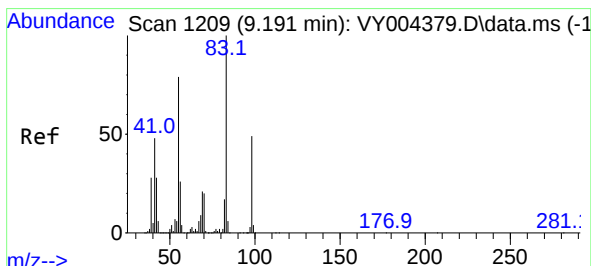
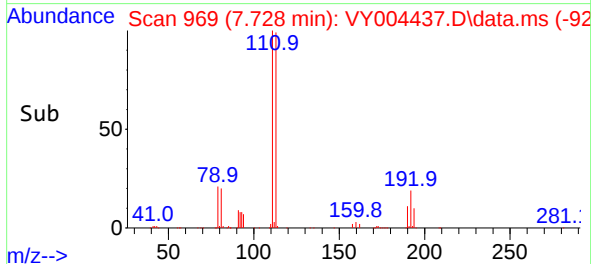
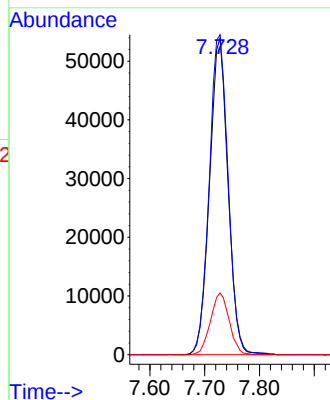
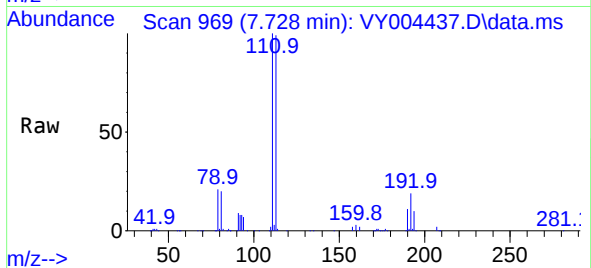




#35
Dibromofluoromethane
Concen: 53.08 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

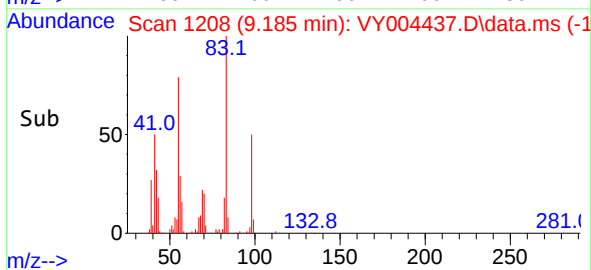
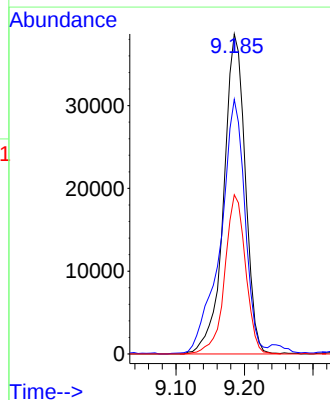
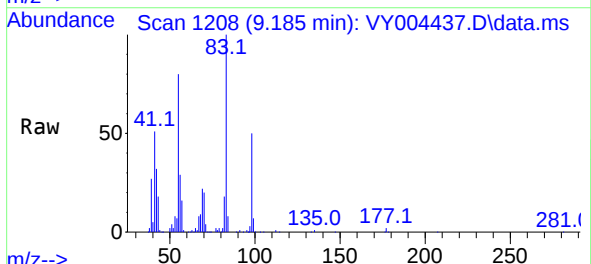
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

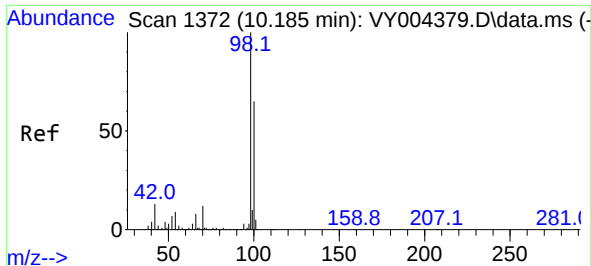
Tgt Ion:113 Resp: 125358
Ion Ratio Lower Upper
113 100
111 103.7 82.6 123.8
192 19.8 16.1 24.1



#39
Methylcyclohexane
Concen: 16.22 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion: 83 Resp: 84428
Ion Ratio Lower Upper
83 100
55 79.2 63.0 94.4
98 49.8 39.2 58.8

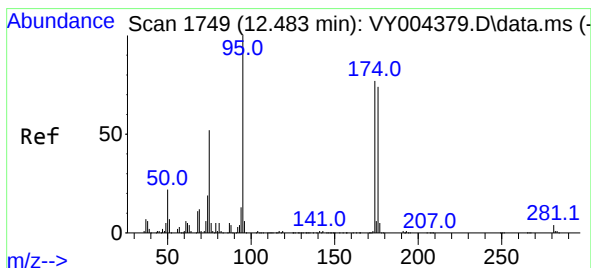
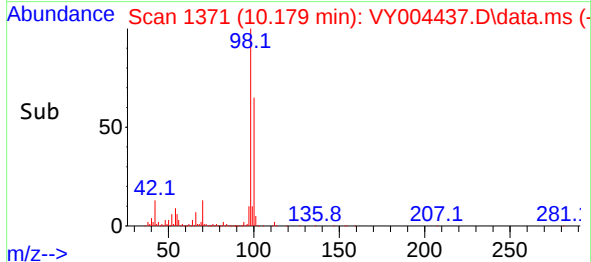
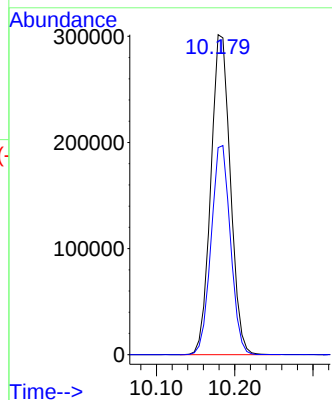
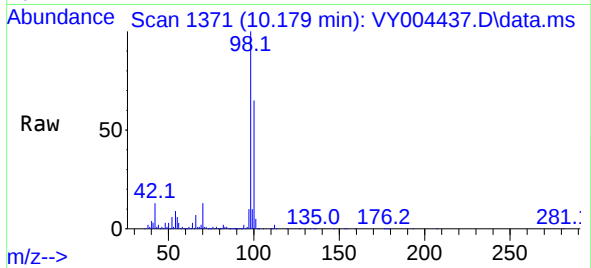




#50
Toluene-d8
Concen: 51.96 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

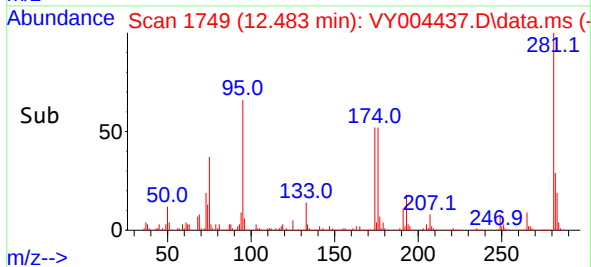
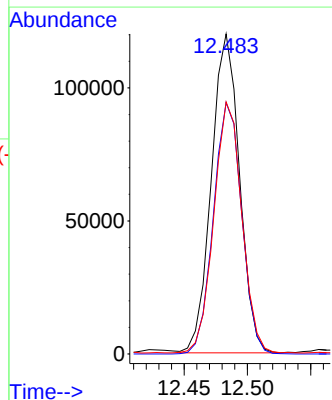
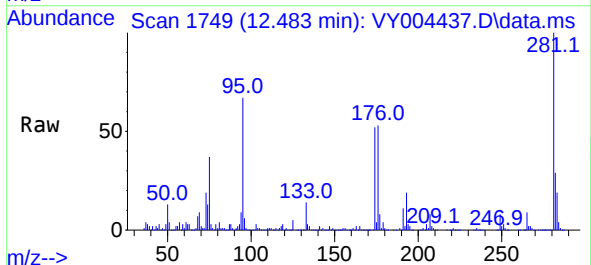
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

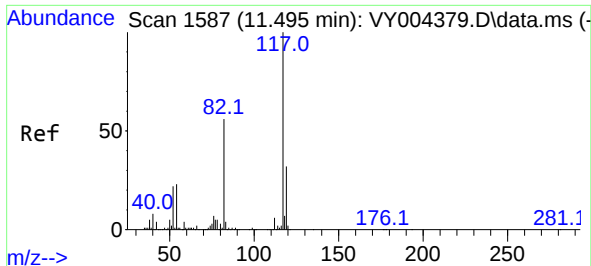
Tgt Ion: 98 Resp: 522026
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 54.31 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion: 95 Resp: 185132
Ion Ratio Lower Upper
95 100
174 79.1 0.0 162.4
176 78.4 0.0 156.0

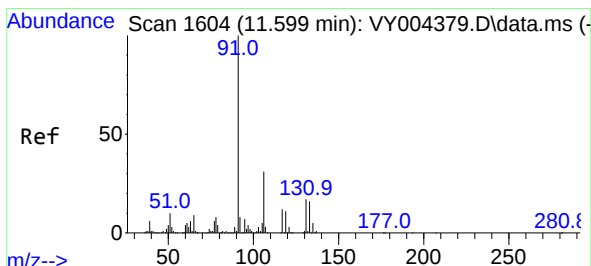
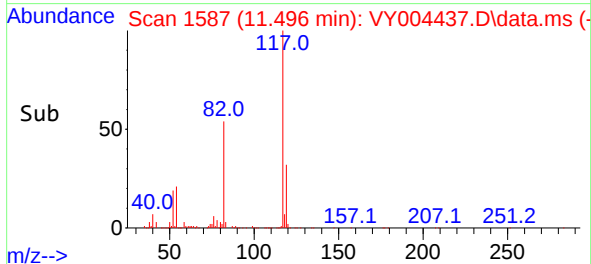
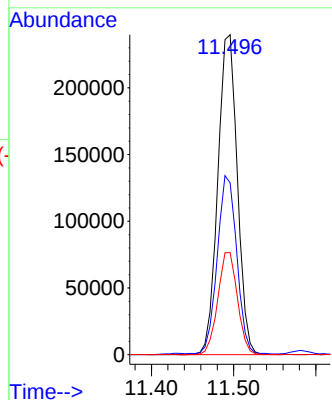
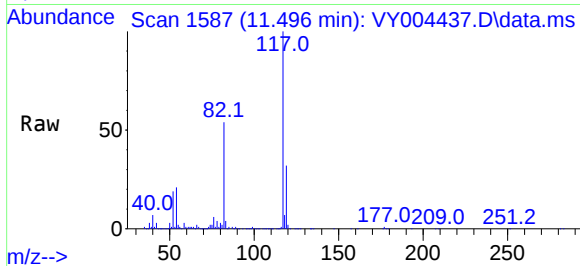




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

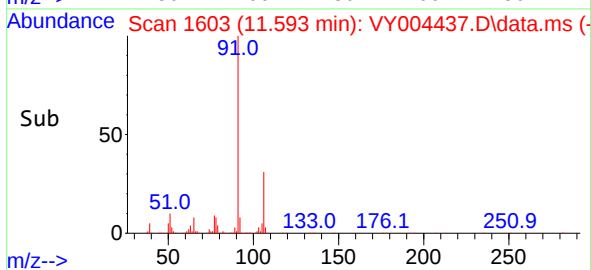
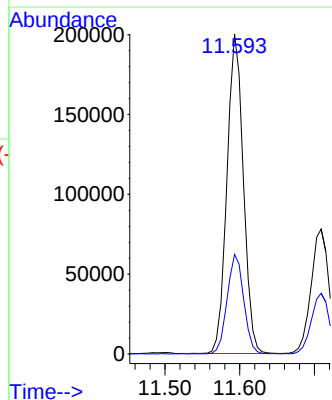
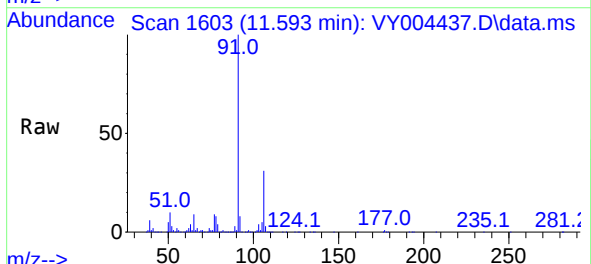
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

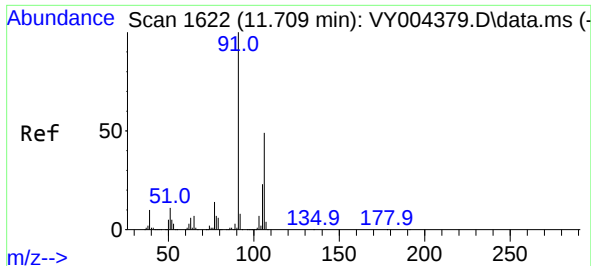
Tgt Ion:	117	Resp:	395527
Ion Ratio	Lower	Upper	
117	100		
82	53.4	44.9	67.3
119	31.9	25.4	38.0



#67
Ethyl Benzene
Concen: 20.17 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion:	91	Resp:	304616
Ion Ratio	Lower	Upper	
91	100		
106	31.1	25.1	37.7

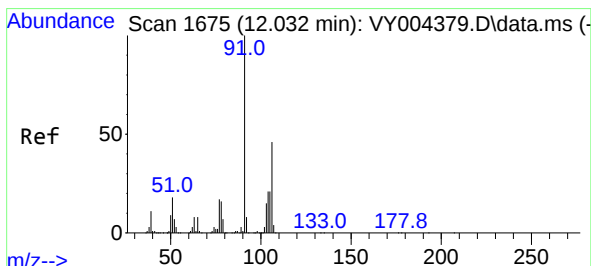
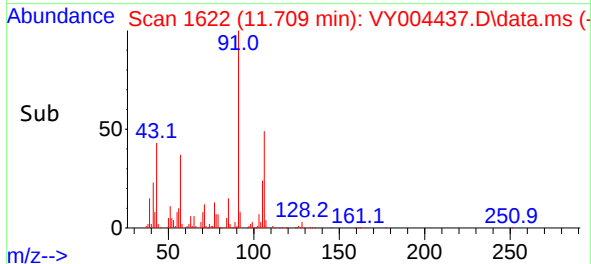
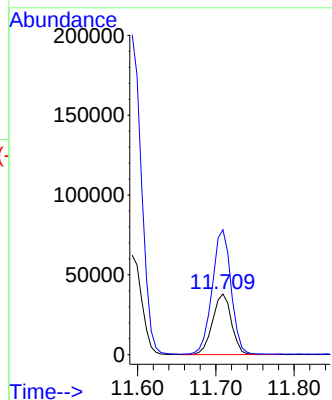
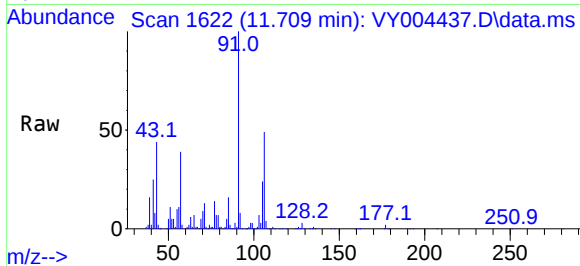




#68
m/p-Xylenes
Concen: 11.36 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

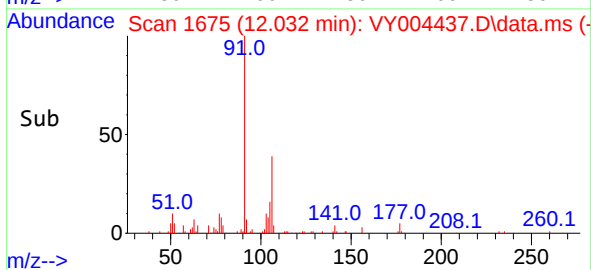
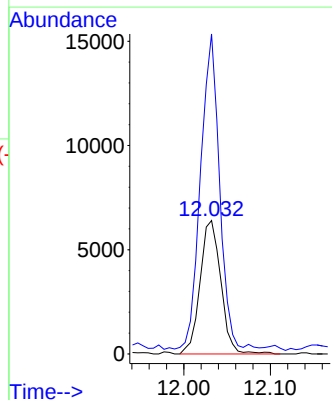
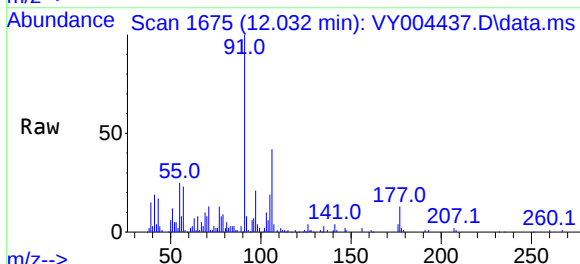
Instrument :
MSVOA_Y
ClientSampled :
130-SB3-(1.5-2)

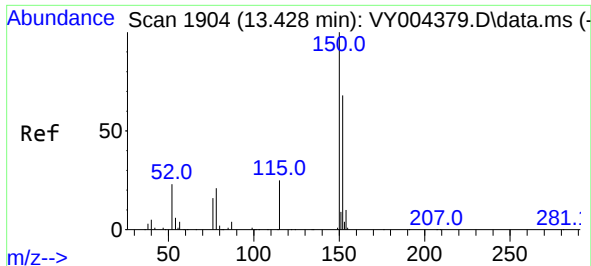
Tgt Ion:106 Resp: 63730
Ion Ratio Lower Upper
106 100
91 204.3 163.2 244.8



#69
o-Xylene
Concen: 2.03 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion:106 Resp: 10657
Ion Ratio Lower Upper
106 100
91 213.6 107.4 322.2

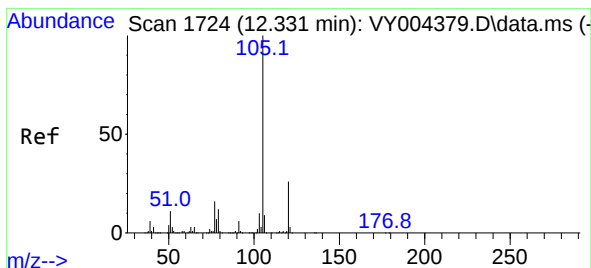
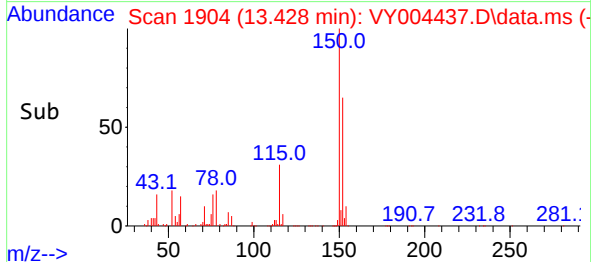
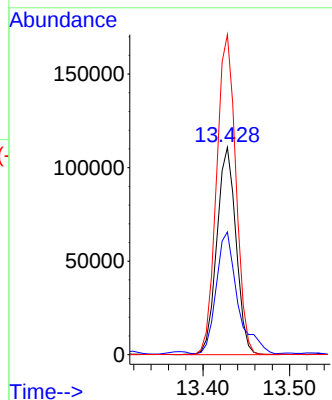
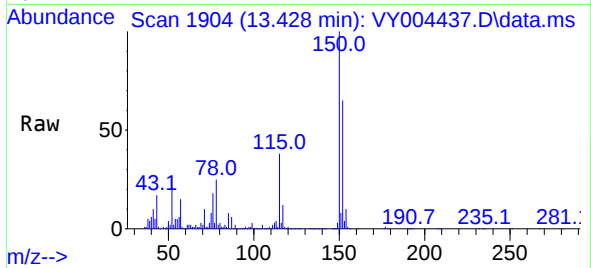




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

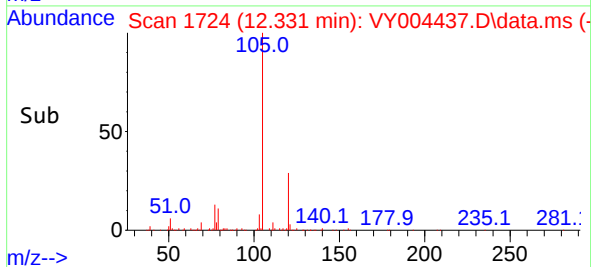
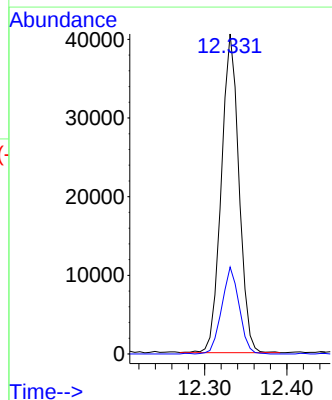
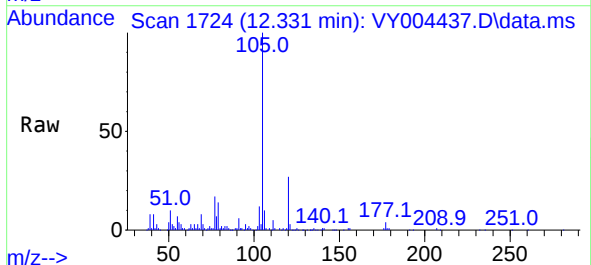
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

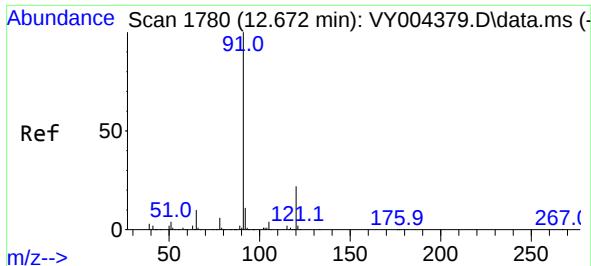
Tgt Ion:152 Resp: 170651
Ion Ratio Lower Upper
152 100
115 65.1 29.6 88.8
150 155.2 0.0 348.4



#73
Isopropylbenzene
Concen: 4.59 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion:105 Resp: 60476
Ion Ratio Lower Upper
105 100
120 26.9 13.2 39.5

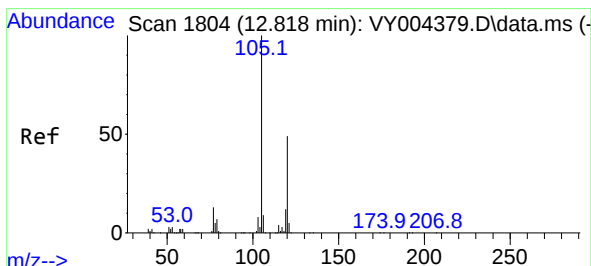
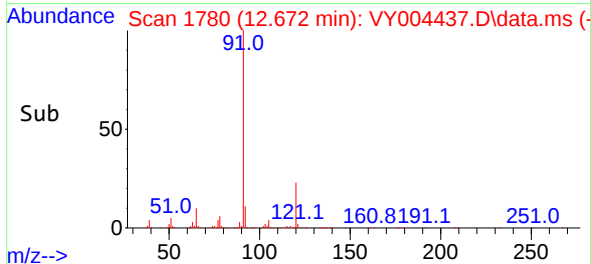
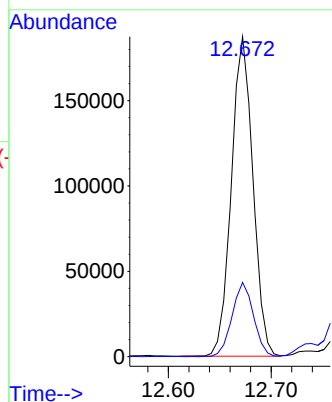
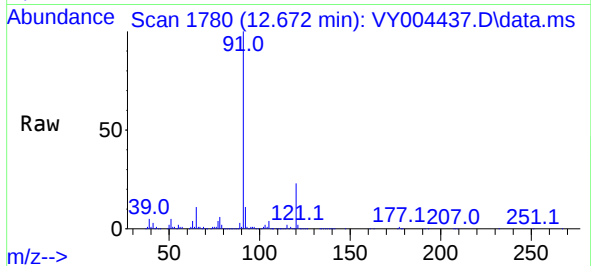




#78
n-propylbenzene
Concen: 17.54 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

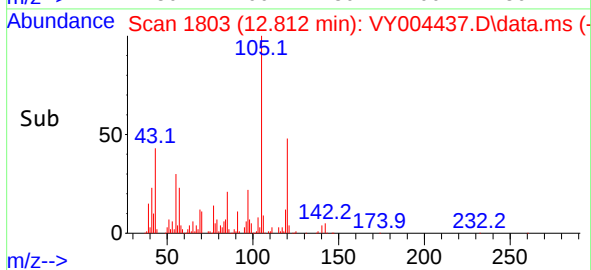
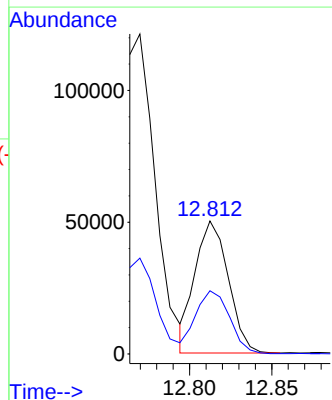
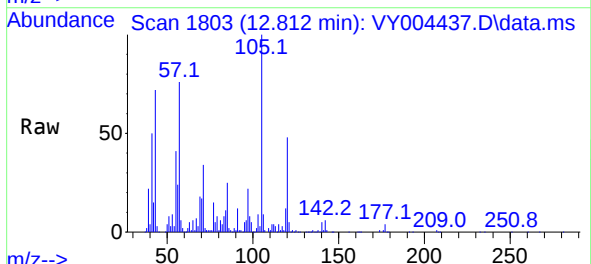
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

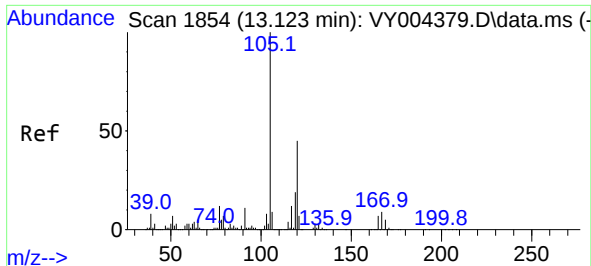
Tgt Ion: 91 Resp: 273246
Ion Ratio Lower Upper
91 100
120 23.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 6.57 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion: 105 Resp: 70374
Ion Ratio Lower Upper
105 100
120 48.8 24.6 74.0

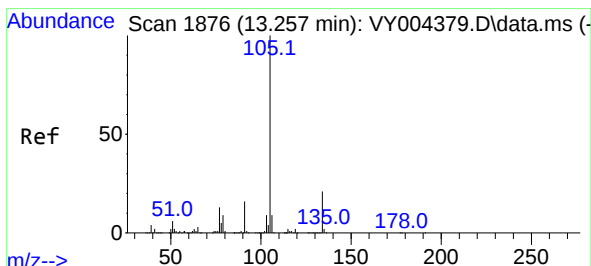
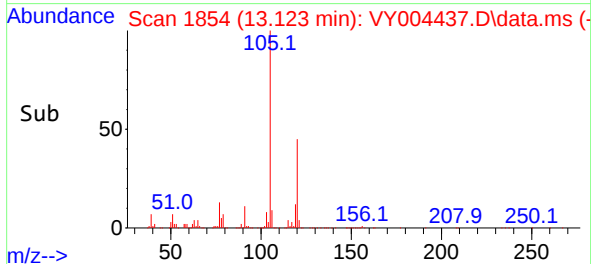
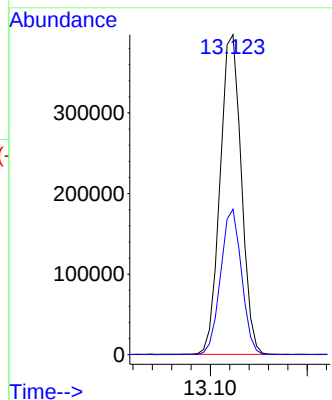
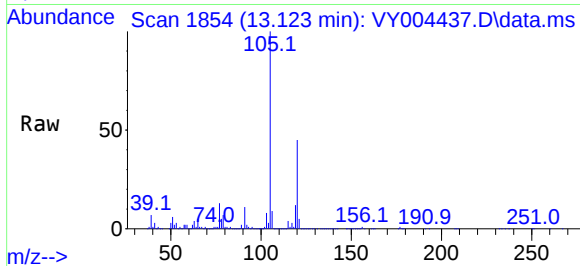




#84
1,2,4-Trimethylbenzene
Concen: 55.78 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

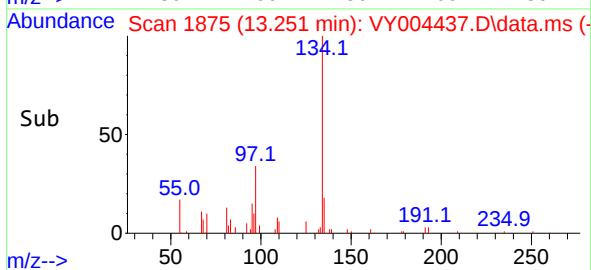
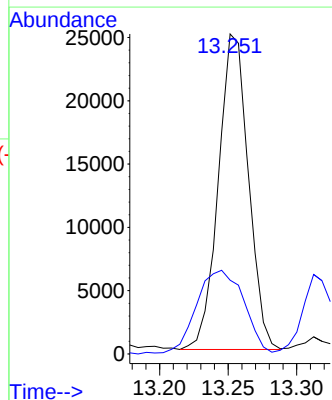
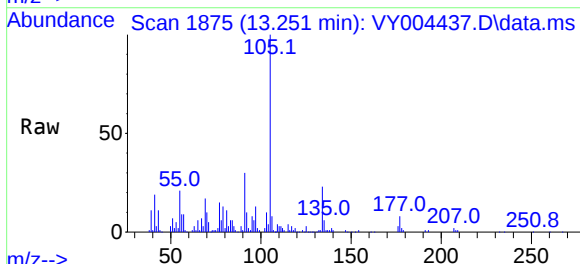
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

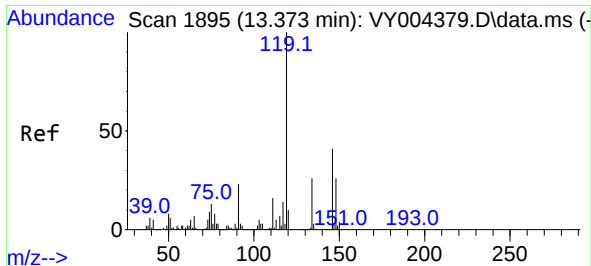
Tgt Ion:105 Resp: 603316
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.3



#85
sec-Butylbenzene
Concen: 2.97 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion:105 Resp: 37998
Ion Ratio Lower Upper
105 100
134 42.0 10.1 30.3#

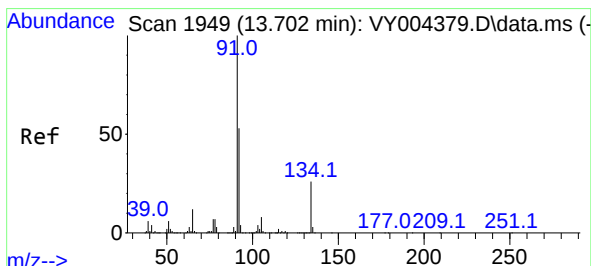
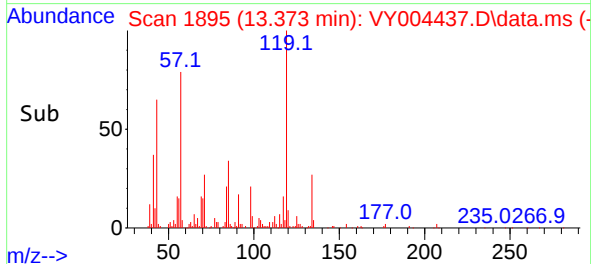
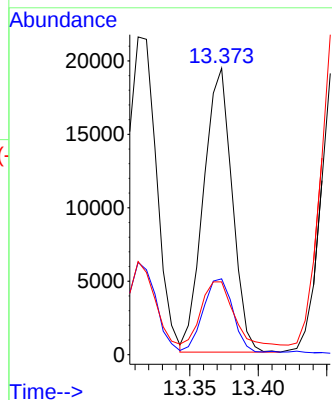
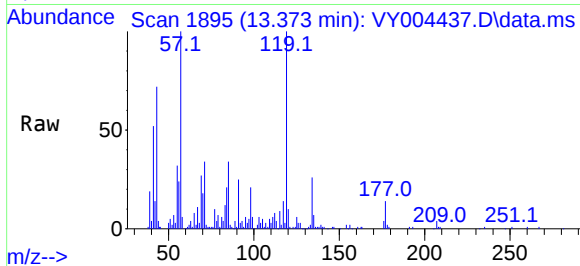




#86
p-Isopropyltoluene
Concen: 2.41 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

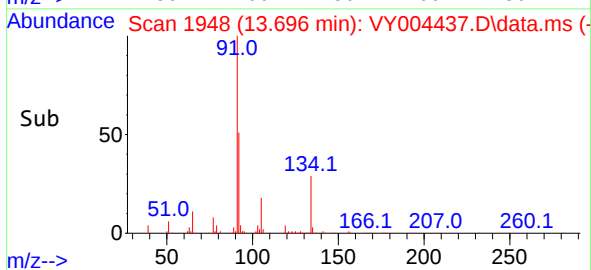
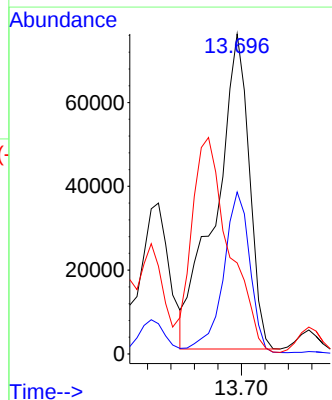
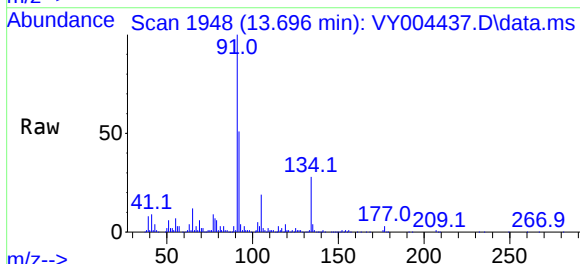
Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

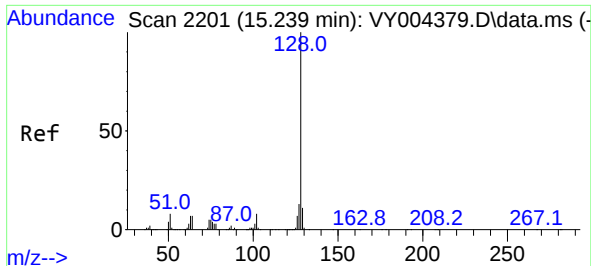
Tgt Ion:	119	Resp:	28082
Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	24.3	11.9	35.7



#89
n-Butylbenzene
Concen: 13.35 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Tgt Ion:	91	Resp:	148303
Ion	Ratio	Lower	Upper
91	100		
92	41.1	26.6	79.8
134	0.0	12.7	38.1#





#95
Naphthalene
Concen: 99.82 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY004437.D
Acq: 15 Apr 2021 13:25

Instrument :
MSVOA_Y
ClientSampleId :
130-SB3-(1.5-2)

Tgt Ion:128 Resp: 703109
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.2 8.8 13.2

