

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015195.D
 Acq On : 18 Aug 2023 15:01
 Operator : SY/MD
 Sample : 04086-06
 Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP09B

Quant Time: Aug 18 23:10:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

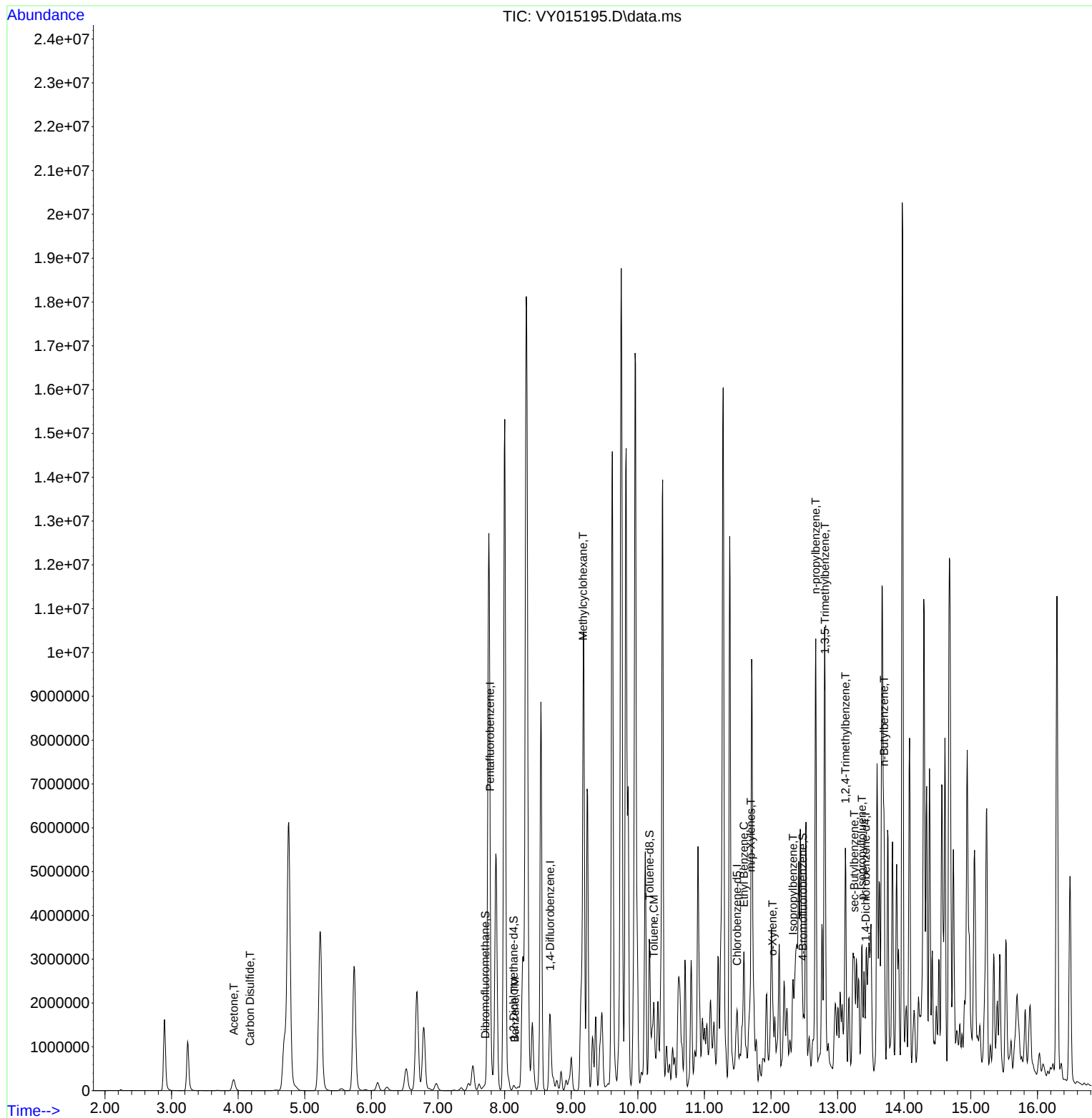
Internal Standards						
1) Pentafluorobenzene	7.783	168	137772	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	245492	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	260995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	133970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	84525	51.109	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.220%	
35) Dibromofluoromethane	7.710	113	73681	46.653	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.300%	
50) Toluene-d8	10.179	98	423463	72.027	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 144.060%#	
62) 4-Bromofluorobenzene	12.477	95	157530	73.360	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 146.720%#	
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	161720	299.327	ug/l #	61
17) Carbon Disulfide	4.180	76	3246	1.924	ug/l #	92
39) Methylcyclohexane	9.179	83	2177171	1111.523	ug/l	89
40) Benzene	8.155	78	8309	1.573	ug/l	97
52) Toluene	10.240	92	712454	204.622	ug/l	94
67) Ethyl Benzene	11.593	91	1234164	148.126	ug/l	99
68) m/p-Xylenes	11.697	106	327532	103.503	ug/l	99
69) o-Xylene	12.026	106	107110	33.978	ug/l	98
73) Isopropylbenzene	12.331	105	1206268	140.024	ug/l	100
78) n-propylbenzene	12.672	91	6935166	677.932	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	1910680	266.075	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	2410795	335.970	ug/l	98
85) sec-Butylbenzene	13.251	105	1310398	136.162	ug/l #	54
86) p-Isopropyltoluene	13.367	119	360298	45.156	ug/l	99
89) n-Butylbenzene	13.696	91	3864528	513.685	ug/l #	76

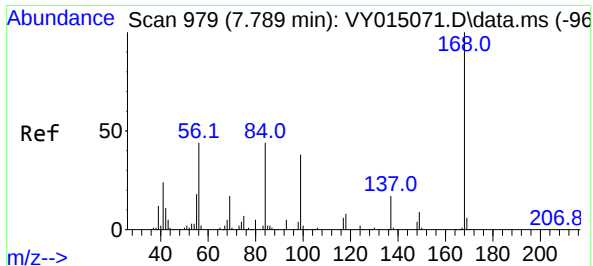
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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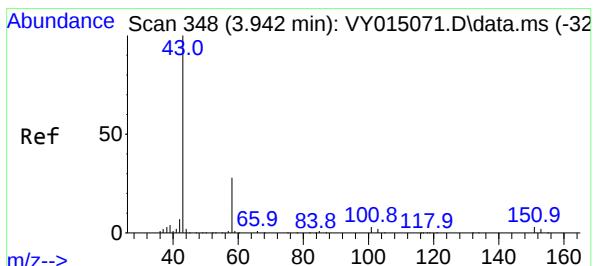
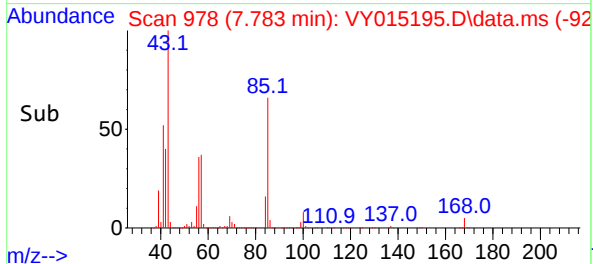
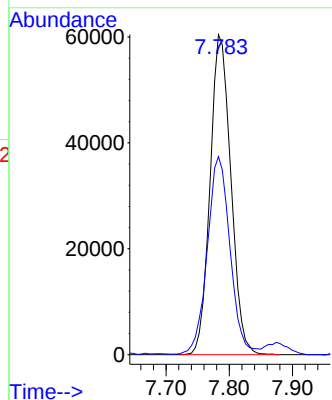
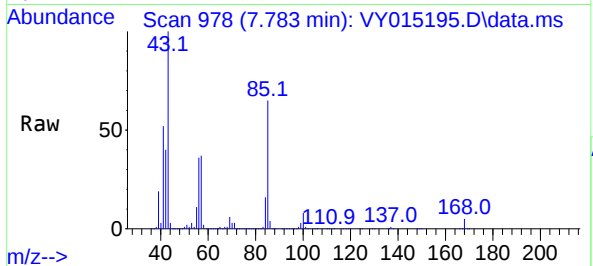




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

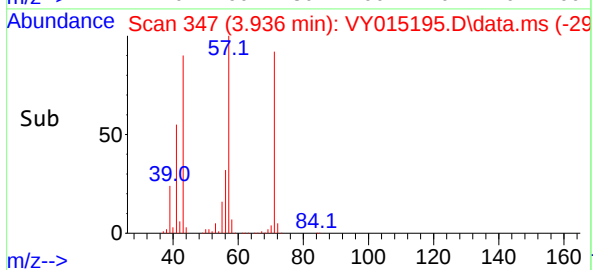
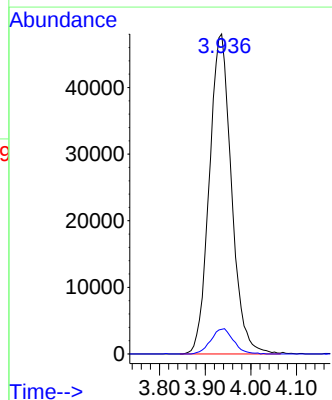
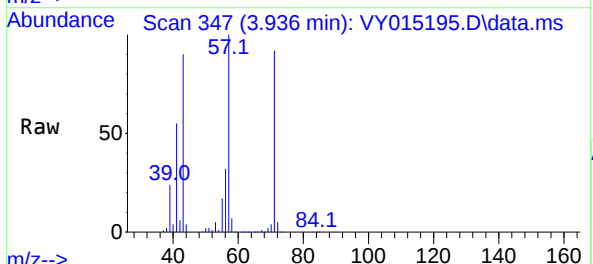
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09B

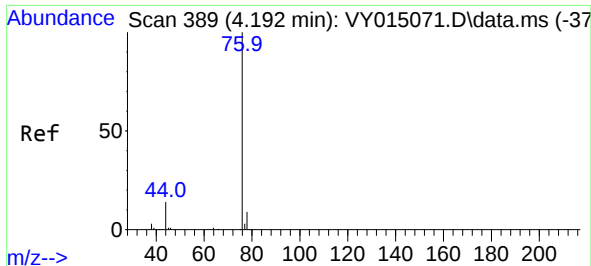
Tgt Ion:168 Resp: 137772
Ion Ratio Lower Upper
168 100
99 61.6 43.4 65.0



#16
Acetone
Concen: 299.327 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion: 43 Resp: 161720
Ion Ratio Lower Upper
43 100
58 7.7 22.7 34.1#

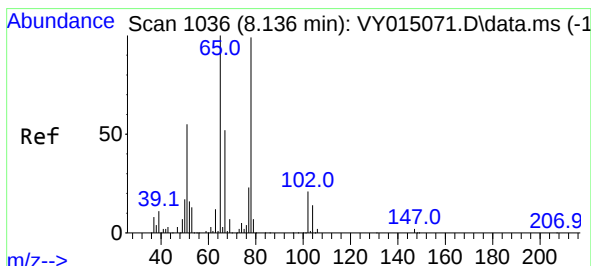
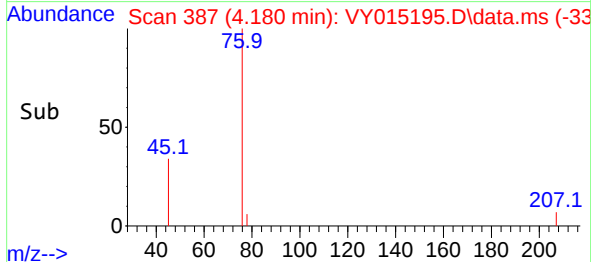
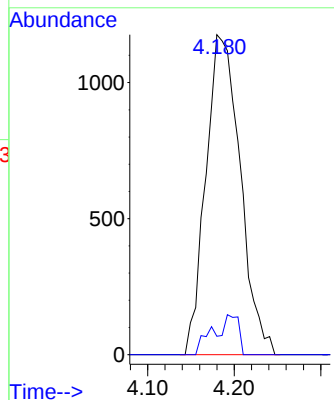
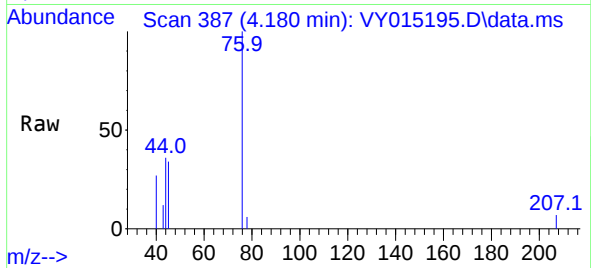




#17
Carbon Disulfide
Concen: 1.924 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

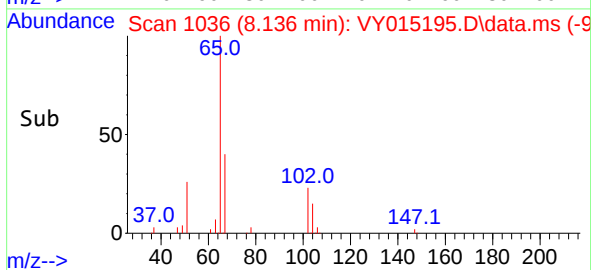
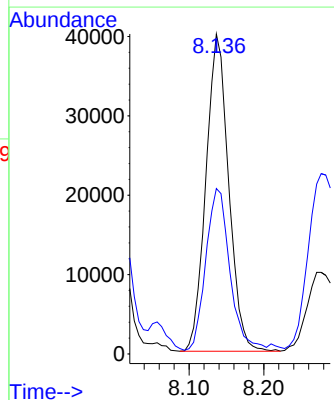
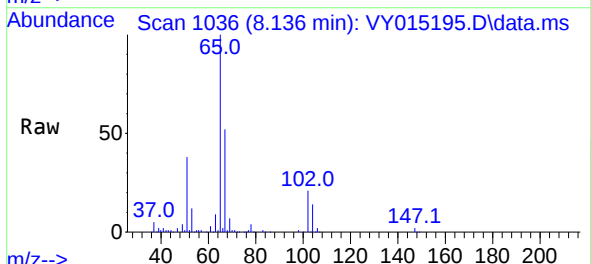
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09B

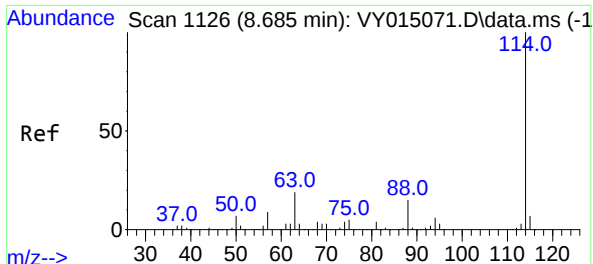
Tgt Ion: 76 Resp: 3246
Ion Ratio Lower Upper
76 100
78 5.8 7.0 10.4#



#33
1,2-Dichloroethane-d4
Concen: 51.109 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion: 65 Resp: 84525
Ion Ratio Lower Upper
65 100
67 53.7 0.0 101.8

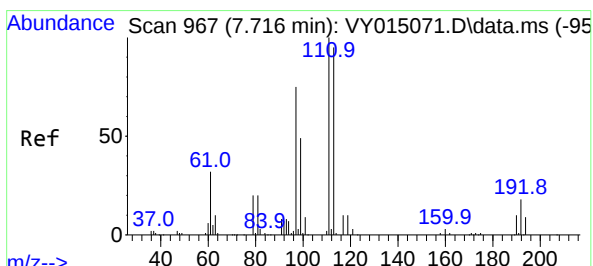
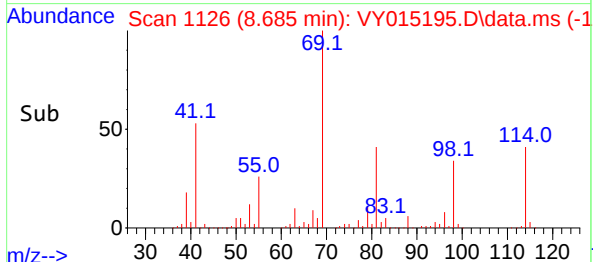
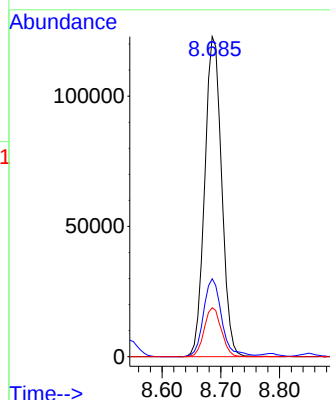
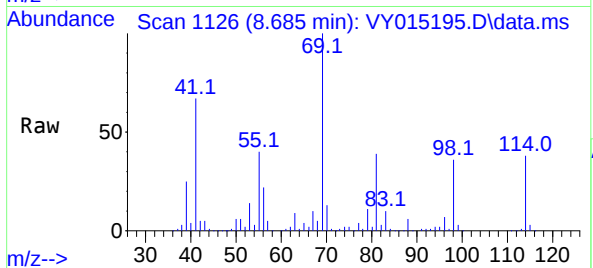




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

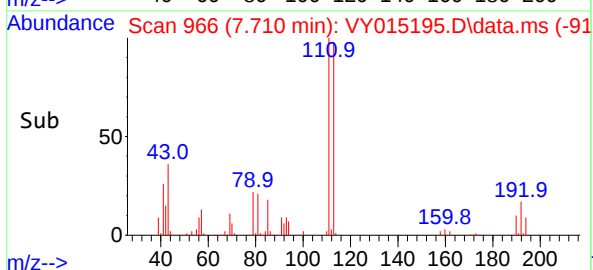
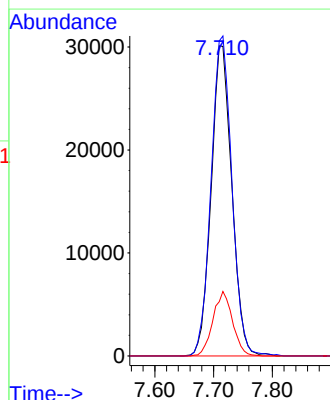
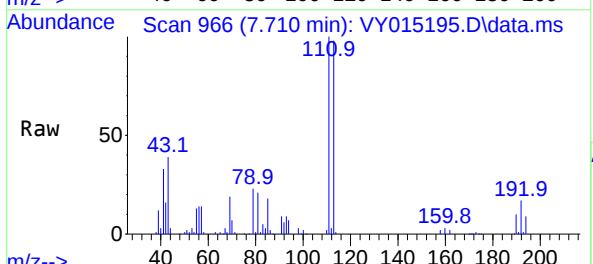
Instrument :
MSVOA_Y
ClientSampleId :
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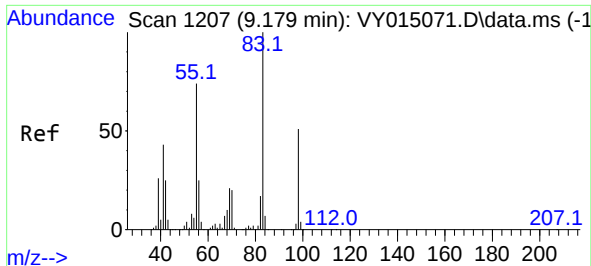
Tgt Ion:114 Resp: 245492
Ion Ratio Lower Upper
114 100
63 24.3 0.0 42.4
88 15.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 46.653 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion:113 Resp: 73681
Ion Ratio Lower Upper
113 100
111 103.7 81.3 121.9
192 19.7 16.9 25.3

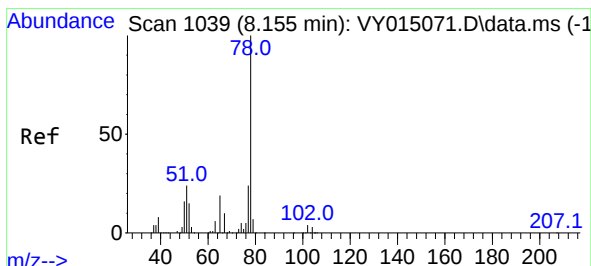
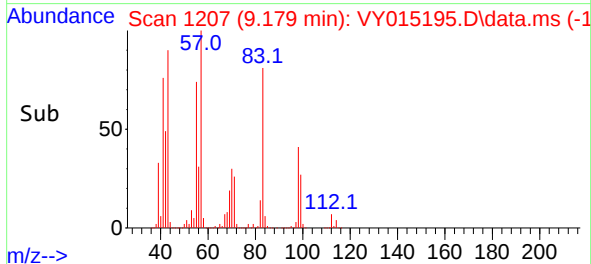
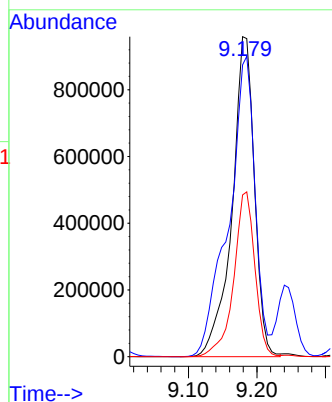
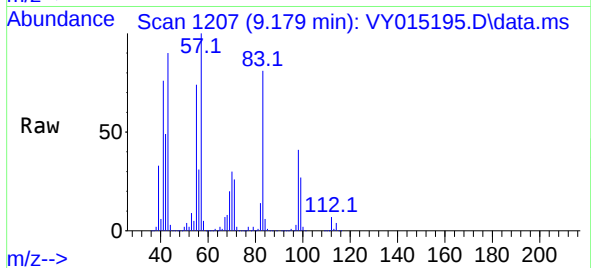




#39
Methylcyclohexane
Concen: 1111.523 ug/l
RT: 9.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

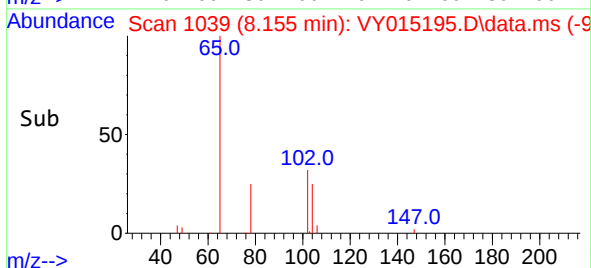
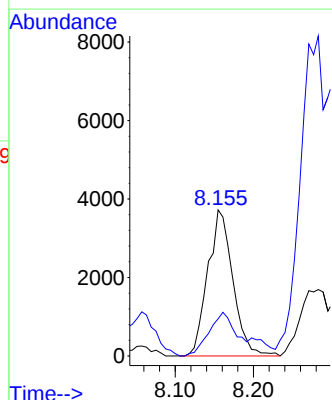
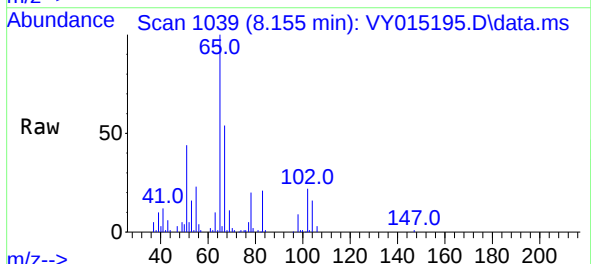
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09B

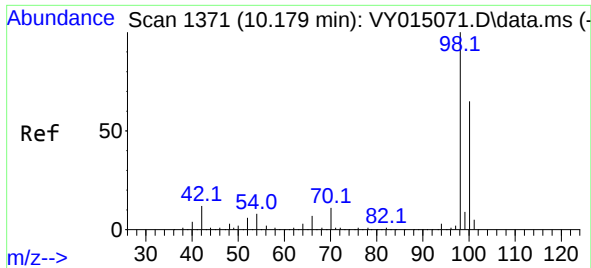
Tgt Ion: 83 Resp: 2177171
Ion Ratio Lower Upper
83 100
55 91.2 63.0 94.4
98 50.6 37.4 56.2



#40
Benzene
Concen: 1.573 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion: 78 Resp: 8309
Ion Ratio Lower Upper
78 100
77 25.4 19.0 28.6

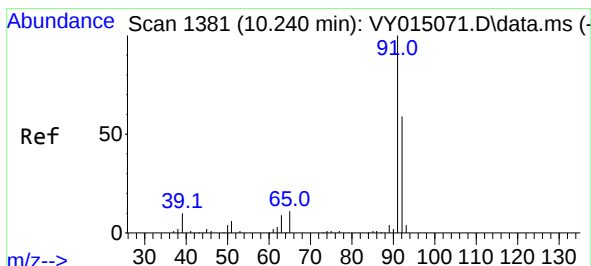
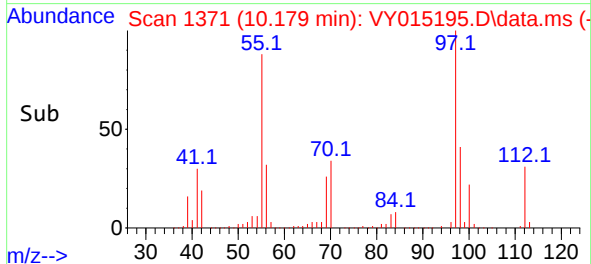
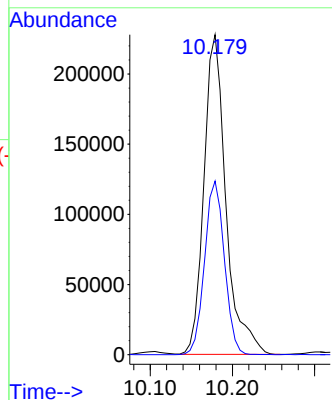
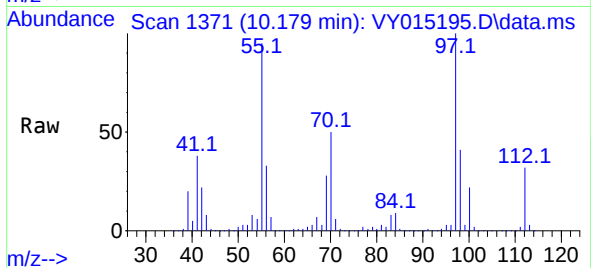




#50
Toluene-d8
Concen: 72.027 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

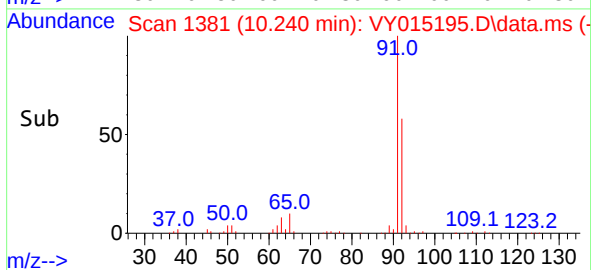
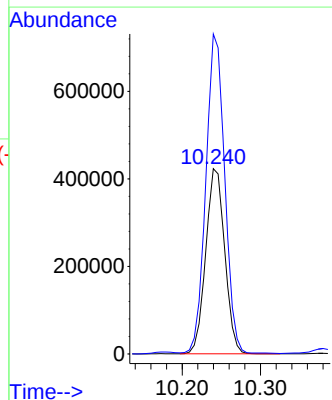
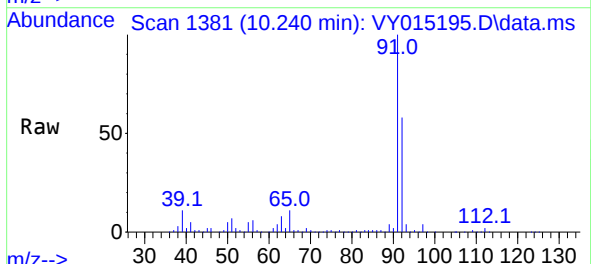
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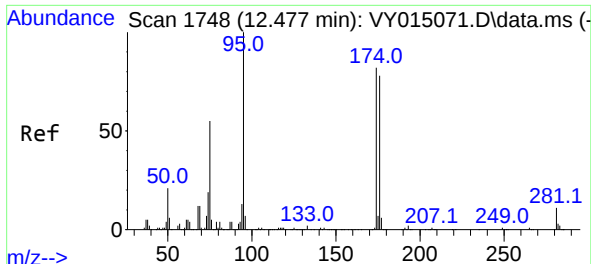
Tgt Ion: 98 Resp: 423463
Ion Ratio Lower Upper
98 100
100 48.8 50.1 75.1#



#52
Toluene
Concen: 204.622 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion: 92 Resp: 712454
Ion Ratio Lower Upper
92 100
91 171.0 143.8 215.6

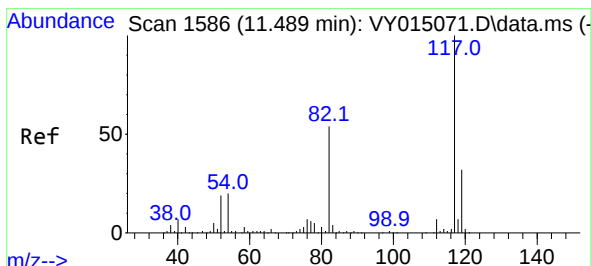
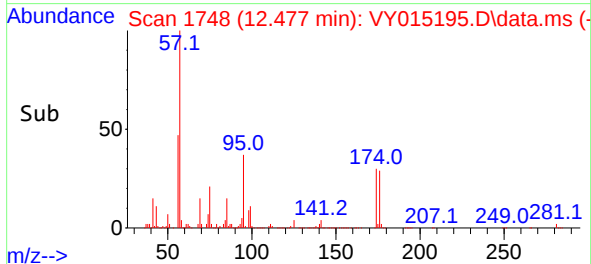
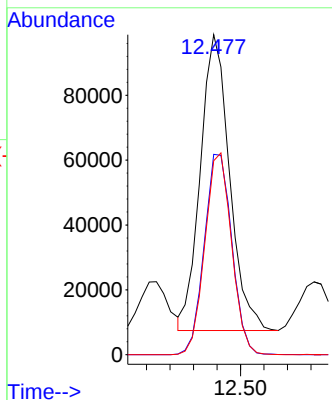
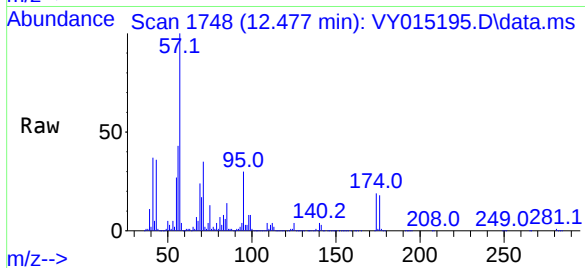




#62
4-Bromofluorobenzene
Concen: 73.360 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

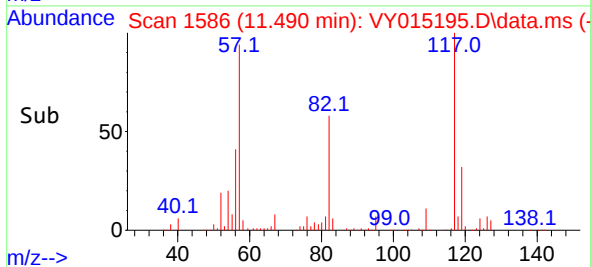
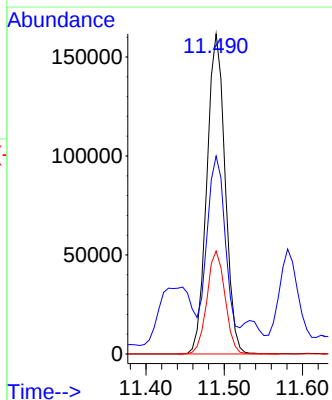
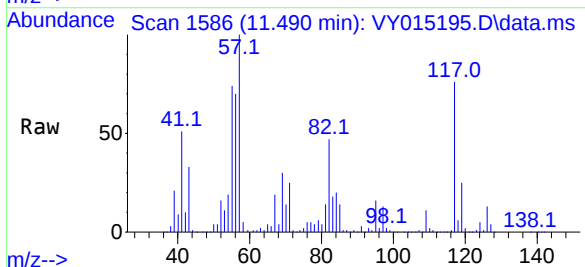
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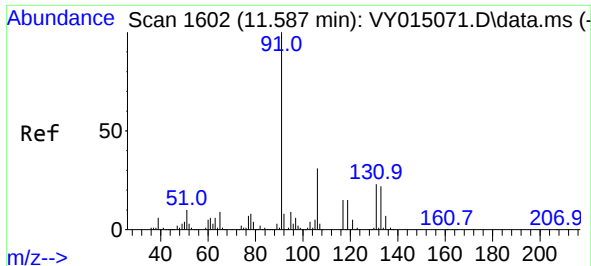
Tgt Ion: 95 Resp: 157530
Ion Ratio Lower Upper
95 100
174 64.0 0.0 178.2
176 62.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion: 117 Resp: 260995
Ion Ratio Lower Upper
117 100
82 44.3 43.4 65.0
119 32.2 26.3 39.5





#67

Ethyl Benzene

Concen: 148.126 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015195.D

Acq: 18 Aug 2023 15:01

Instrument :

MSVOA_Y

ClientSampleId :

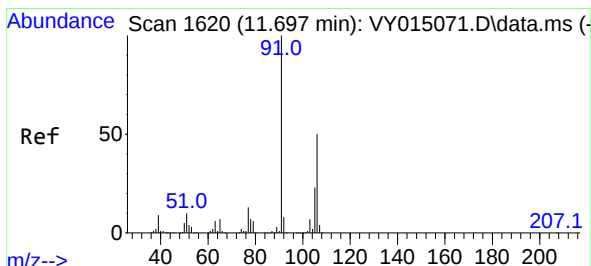
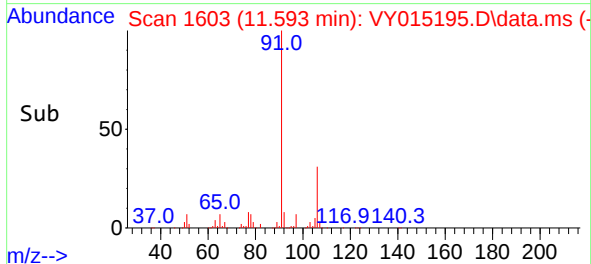
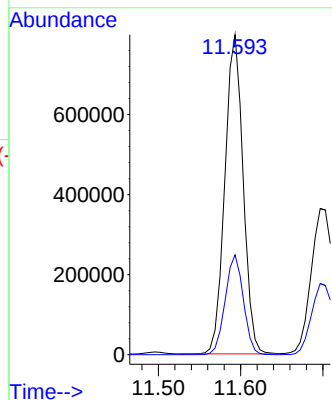
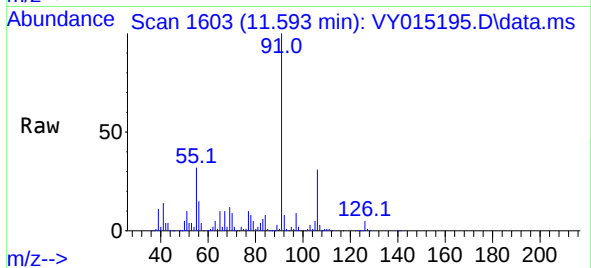
B-PP09B

Tgt Ion: 91 Resp: 1234164

Ion Ratio Lower Upper

91 100

106 31.3 24.6 36.8



#68

m/p-Xylenes

Concen: 103.503 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY015195.D

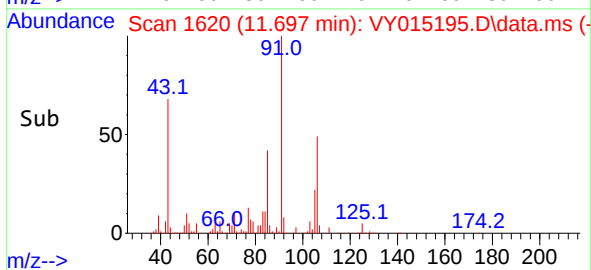
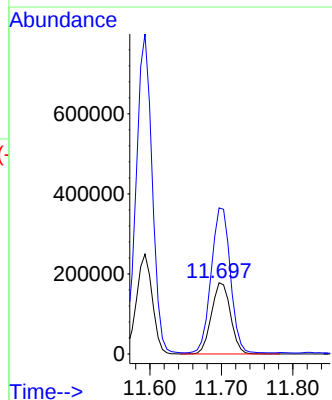
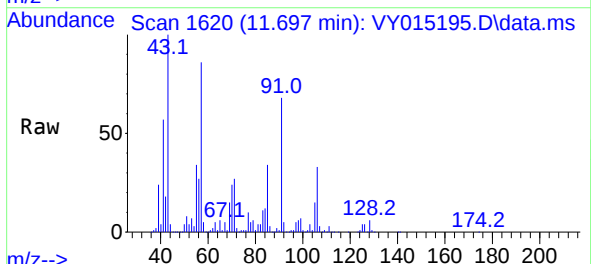
Acq: 18 Aug 2023 15:01

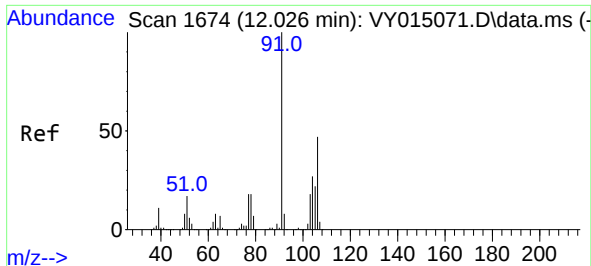
Tgt Ion:106 Resp: 327532

Ion Ratio Lower Upper

106 100

91 205.8 166.1 249.1

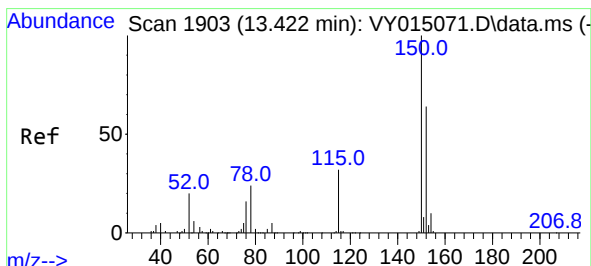
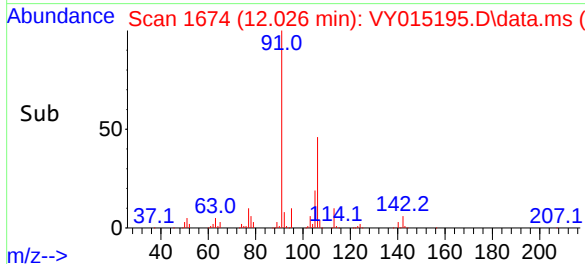
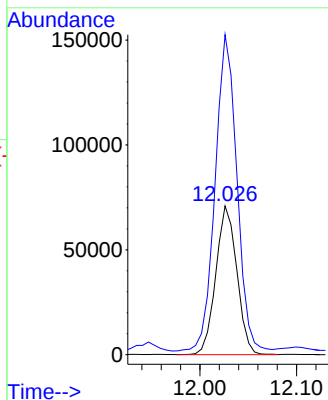
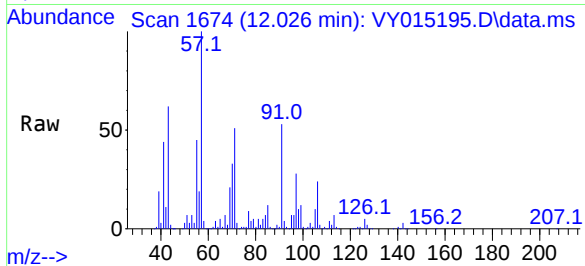




#69
o-Xylene
Concen: 33.978 ug/l
RT: 12.026 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

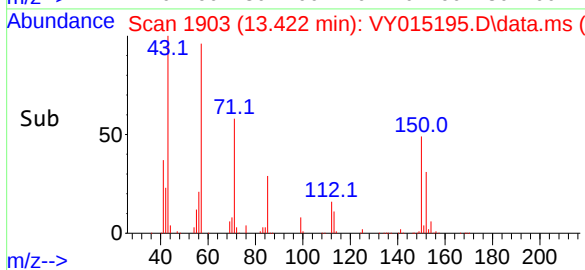
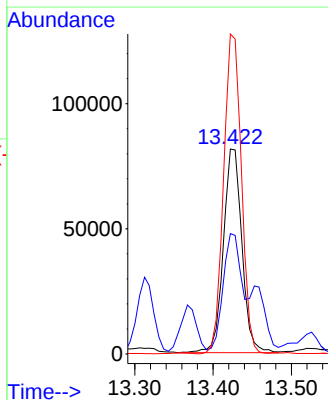
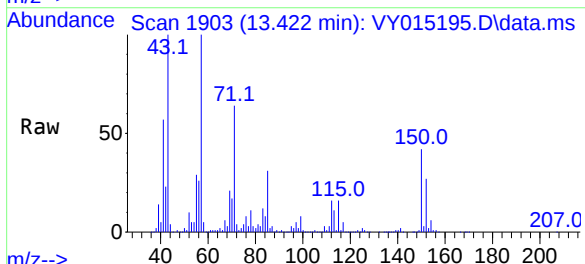
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09B

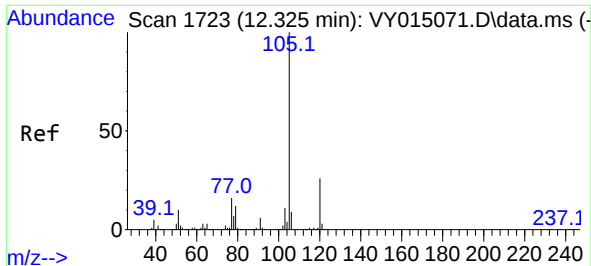
Tgt Ion:106 Resp: 107110
Ion Ratio Lower Upper
106 100
91 218.8 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion:152 Resp: 133970
Ion Ratio Lower Upper
152 100
115 61.3 28.8 86.5
150 151.0 0.0 348.8

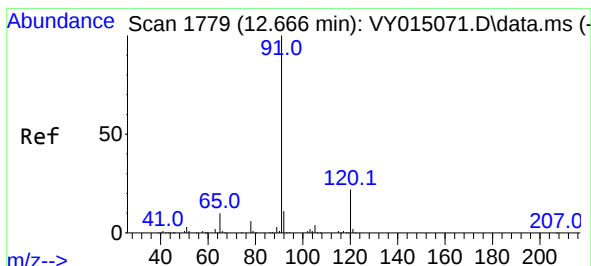
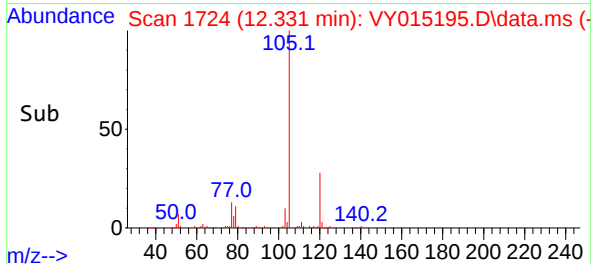
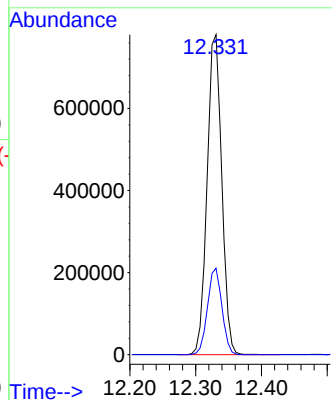
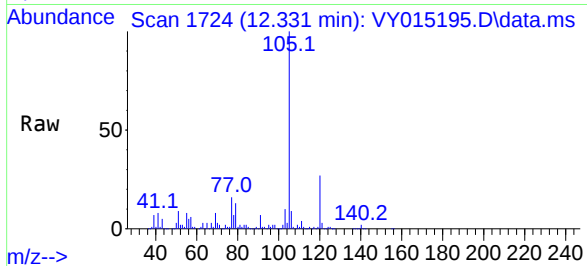




#73
Isopropylbenzene
Concen: 140.024 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

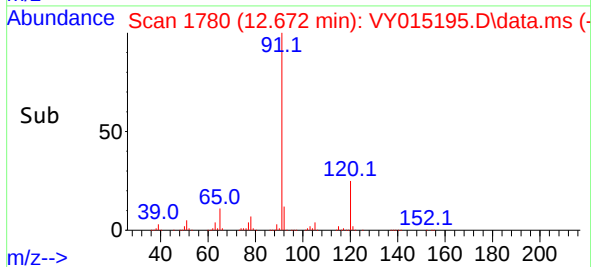
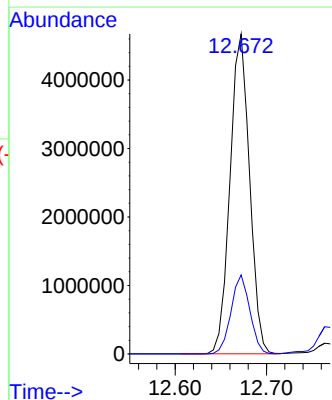
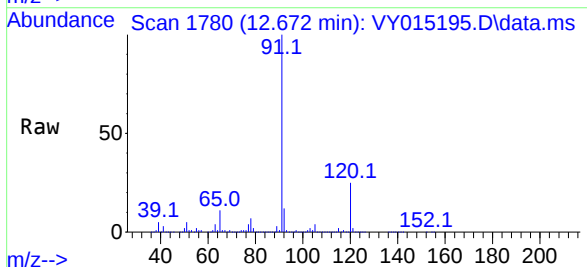
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09B

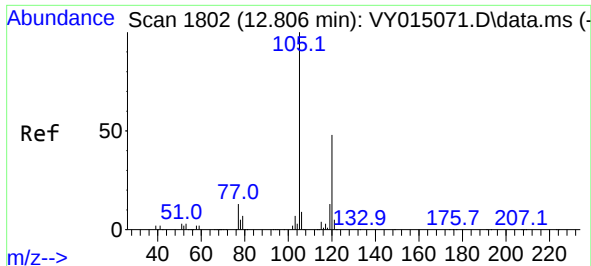
Tgt Ion:105 Resp: 1206268
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9



#78
n-propylbenzene
Concen: 677.932 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion: 91 Resp: 6935166
Ion Ratio Lower Upper
91 100
120 23.7 11.5 34.4

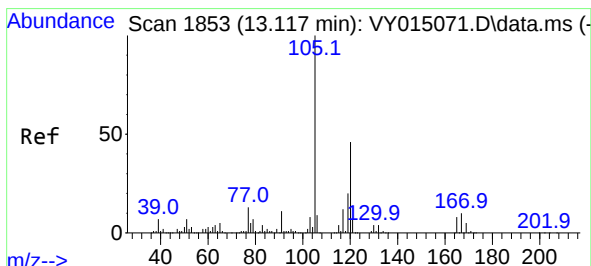
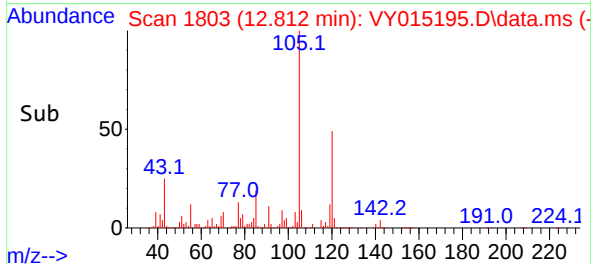
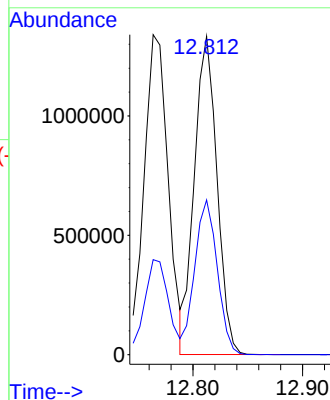
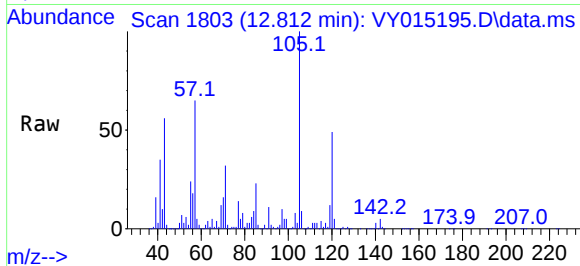




#80
1,3,5-Trimethylbenzene
Concen: 266.075 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

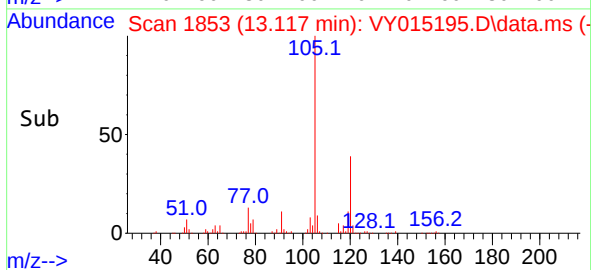
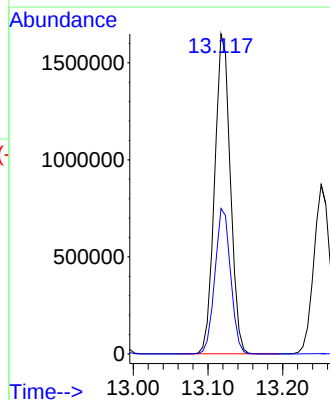
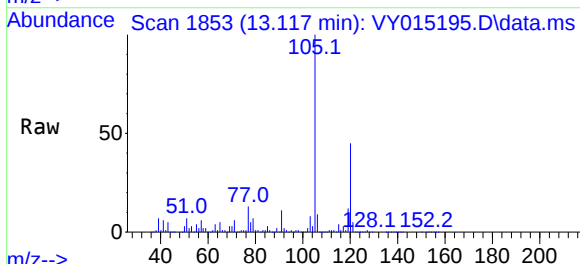
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09B

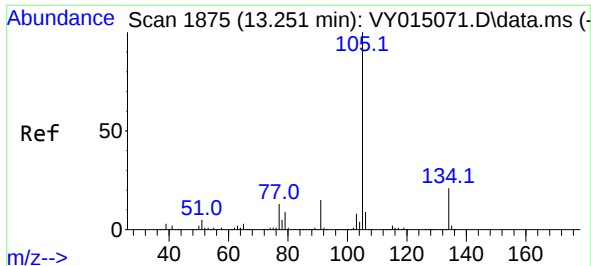
Tgt Ion:105 Resp: 1910680
Ion Ratio Lower Upper
105 100
120 48.7 23.9 71.7



#84
1,2,4-Trimethylbenzene
Concen: 335.970 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015195.D
Acq: 18 Aug 2023 15:01

Tgt Ion:105 Resp: 2410795
Ion Ratio Lower Upper
105 100
120 45.5 22.2 66.6

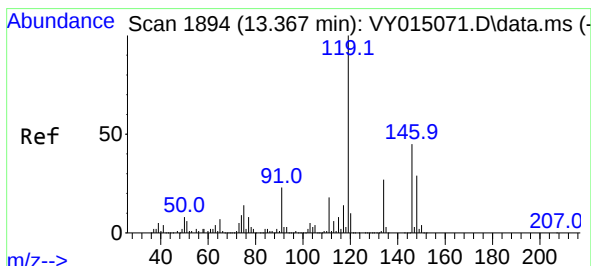
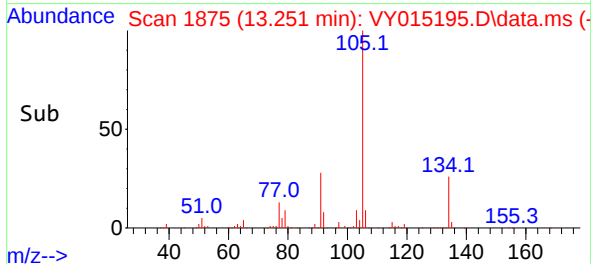
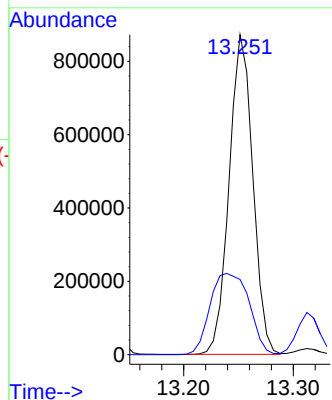
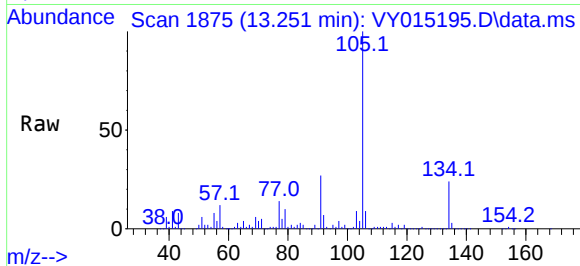




#85
 sec-Butylbenzene
 Concen: 136.162 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: VY015195.D
 Acq: 18 Aug 2023 15:01

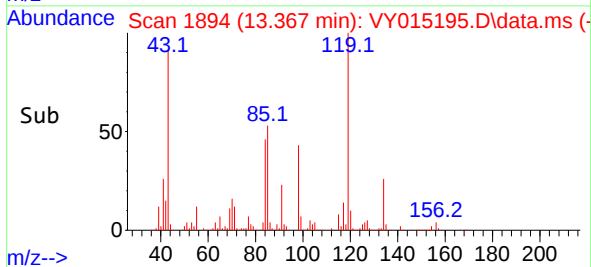
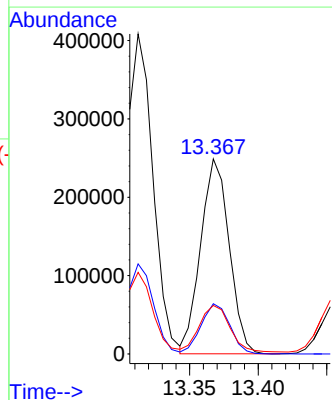
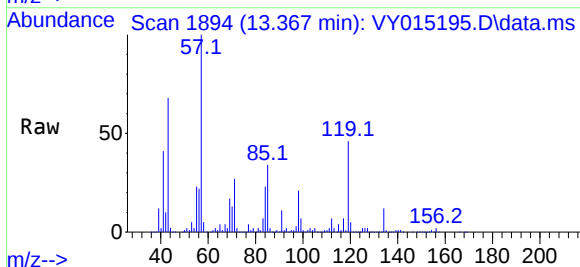
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP09B

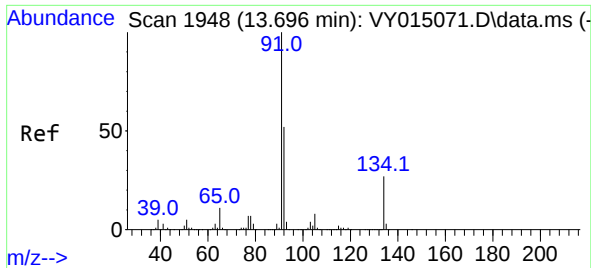
Tgt Ion:105 Resp: 1310398
 Ion Ratio Lower Upper
 105 100
 134 41.9 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 45.156 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. 0.000 min
 Lab File: VY015195.D
 Acq: 18 Aug 2023 15:01

Tgt Ion:119 Resp: 360298
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.3 39.8
 91 25.2 12.4 37.4





#89

n-Butylbenzene

Concen: 513.685 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY015195.D

Acq: 18 Aug 2023 15:01

Instrument :

MSVOA_Y

ClientSampleId :

B-PP09B

Tgt Ion: 91 Resp: 3864528

Ion Ratio Lower Upper

91 100

92 42.5 25.4 76.0

134 0.0 12.6 37.6#

