

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015196.D
 Acq On : 18 Aug 2023 15:24
 Operator : SY/MD
 Sample : 04086-07
 Misc : 5.04g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP09C

Quant Time: Aug 21 02:18:46 2023
 Quant Title :
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

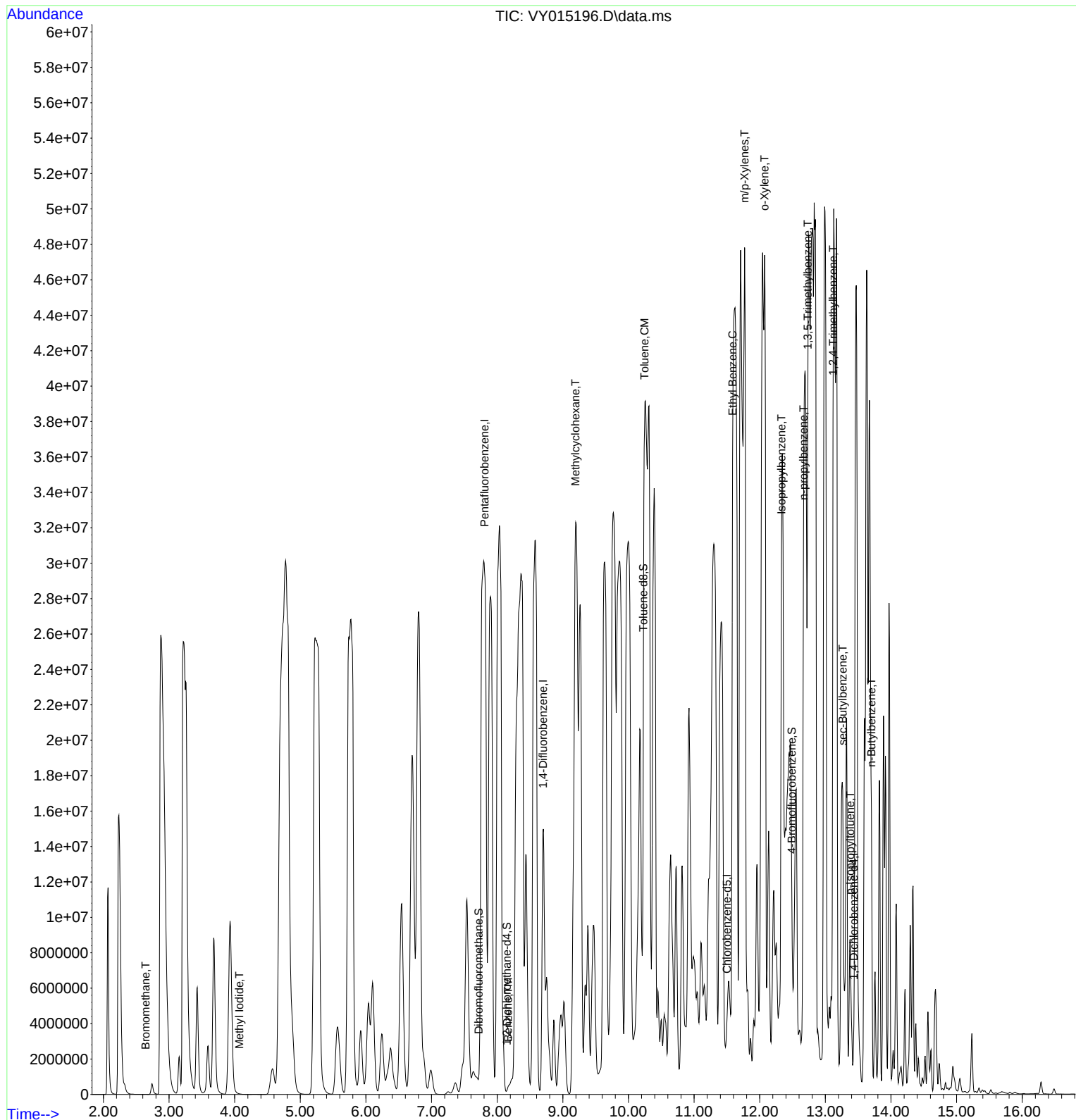
Internal Standards						
1) Pentafluorobenzene	7.807	168	48772	50.000	ug/l	# 0.02
34) 1,4-Difluorobenzene	8.697	114	106363	50.000	ug/l	# 0.01
63) Chlorobenzene-d5	11.502	117	100818	50.000	ug/l	# 0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	32585m	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	20699	35.355	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	70.700%
35) Dibromofluoromethane	7.716	113	29508	43.123	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.240%
50) Toluene-d8	10.228	98	499973	196.280	ug/l	0.05
Spiked Amount	50.000	Range	58 - 134	Recovery	=	392.560%#
62) 4-Bromofluorobenzene	12.489	95	148553	159.670	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	319.340%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.644	94	1526	4.101	ug/l	97
10) Methyl Iodide	4.070	142	5405	13.544	ug/l	97
39) Methylcyclohexane	9.191	83	12860133	15153.684	ug/l	94
40) Benzene	8.167	78	283961	124.069	ug/l	98
52) Toluene	10.246	92	50804389m	33677.865	ug/l	
67) Ethyl Benzene	11.587	91	45764322m	14219.360	ug/l	
68) m/p-Xylenes	11.770	106	41778178m	34177.824	ug/l	
69) o-Xylene	12.075	106	31424671m	25806.336	ug/l	
73) Isopropylbenzene	12.331	105	23177957m	11061.745	ug/l	
78) n-propylbenzene	12.666	91	36906984m	14832.964	ug/l	
80) 1,3,5-Trimethylbenzene	12.733	105	73152265m	41882.605	ug/l	
84) 1,2,4-Trimethylbenzene	13.117	105	38746002m	22200.177	ug/l	
85) sec-Butylbenzene	13.264	105	8570889	3661.579	ug/l #	48
86) p-Isopropyltoluene	13.379	119	3695557	1904.231	ug/l	99
89) n-Butylbenzene	13.703	91	6980400	3814.793	ug/l #	69

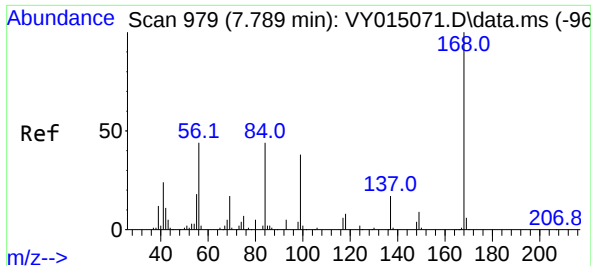
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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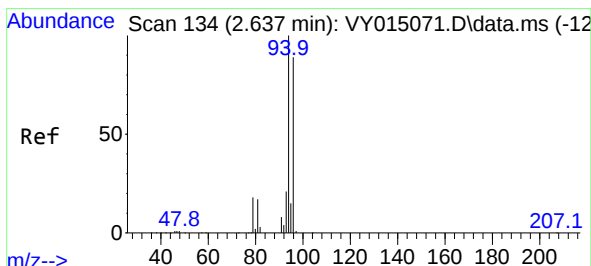
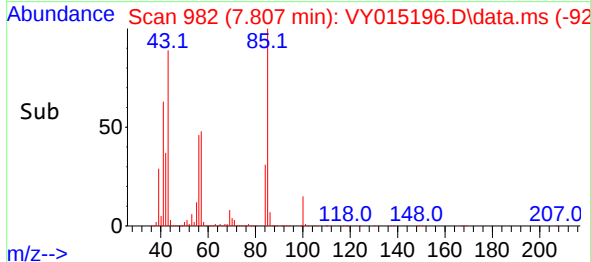
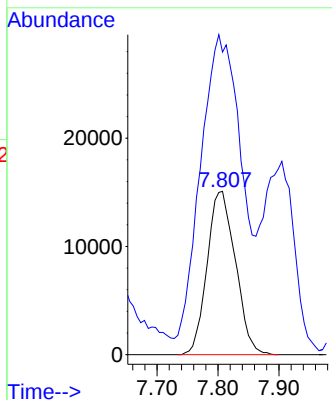
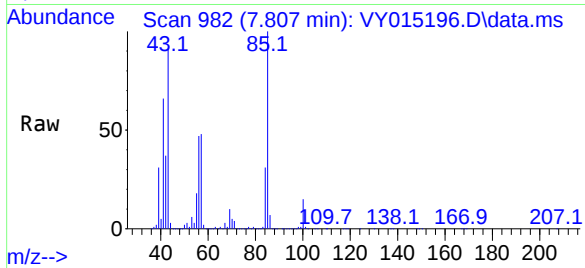




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.024 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

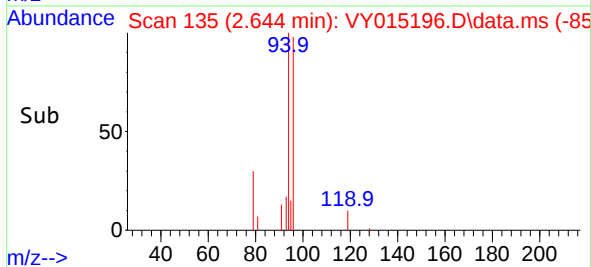
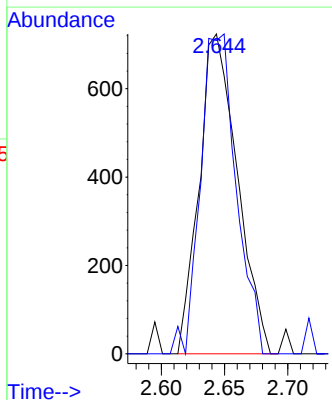
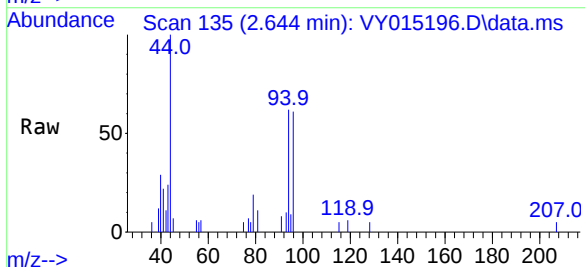
Instrument :
MSVOA_Y
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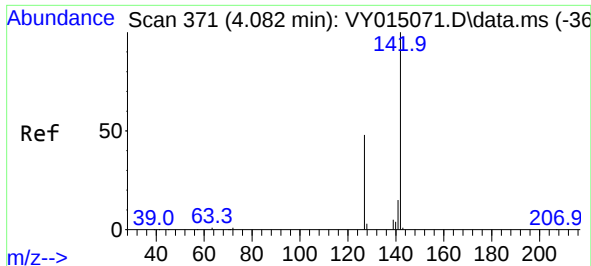
Tgt Ion:168 Resp: 48772
Ion Ratio Lower Upper
168 100
99 173.4 43.4 65.0#



#5
Bromomethane
Concen: 4.101 ug/l
RT: 2.644 min Scan# 135
Delta R.T. 0.007 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 94 Resp: 1526
Ion Ratio Lower Upper
94 100
96 97.9 75.8 113.6

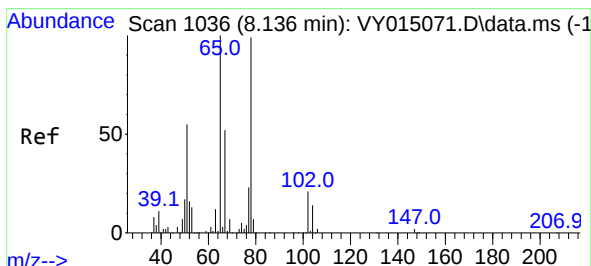
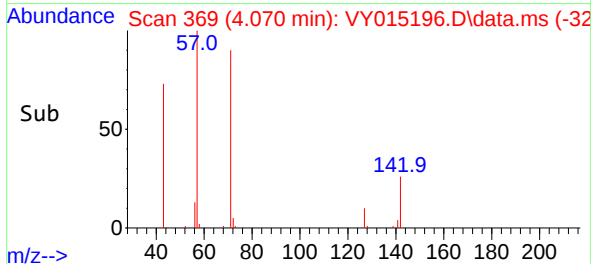
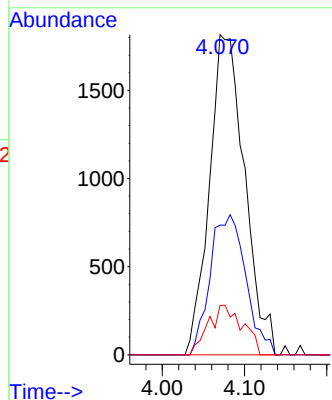
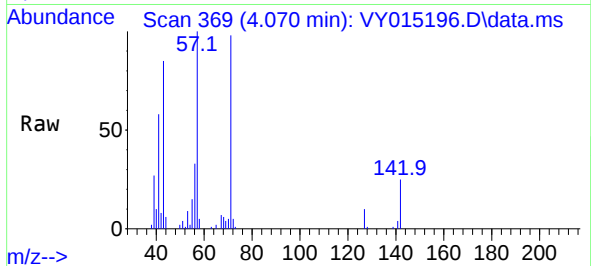




#10
Methyl Iodide
Concen: 13.544 ug/l
RT: 4.070 min Scan# 30
Delta R.T. -0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

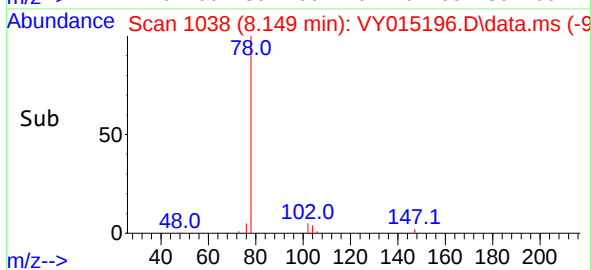
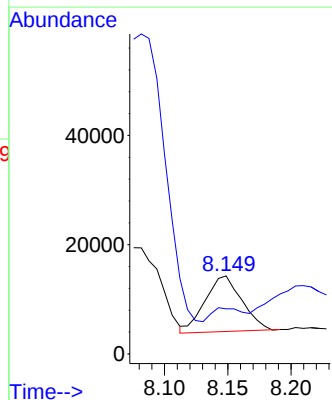
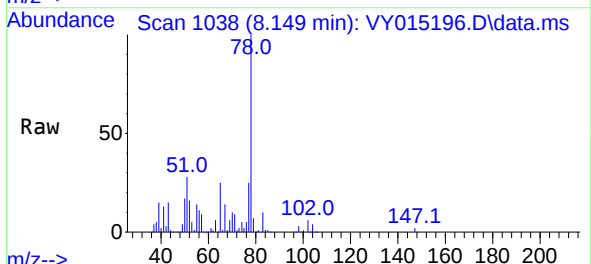
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09C

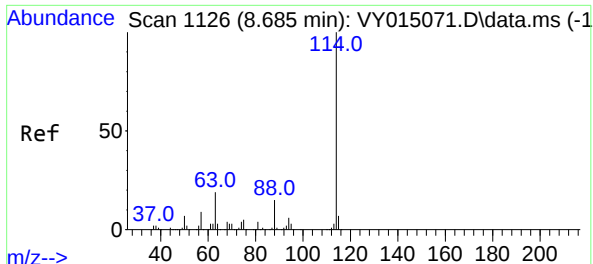
Tgt Ion:142 Resp: 5405
Ion Ratio Lower Upper
142 100
127 44.3 37.6 56.4
141 15.1 11.8 17.8



#33
1,2-Dichloroethane-d4
Concen: 35.355 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 65 Resp: 20699
Ion Ratio Lower Upper
65 100
67 0.0 0.0 101.8

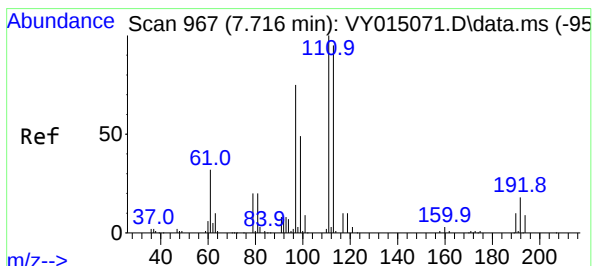
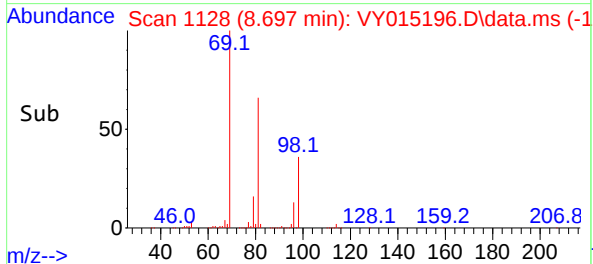
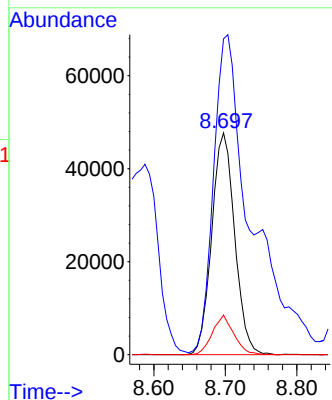
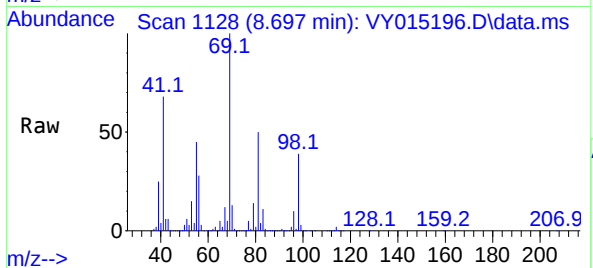




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1126
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

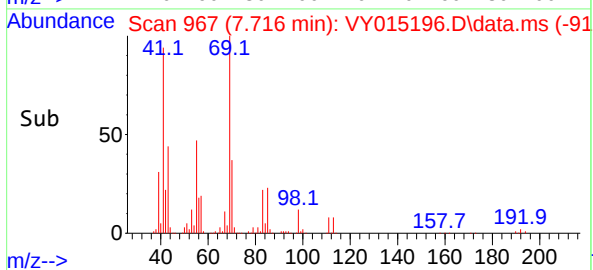
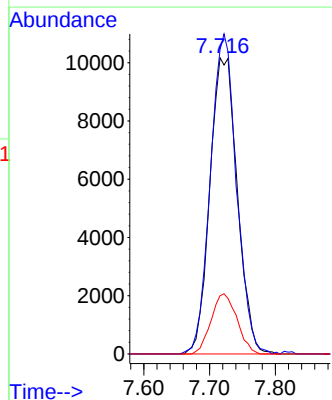
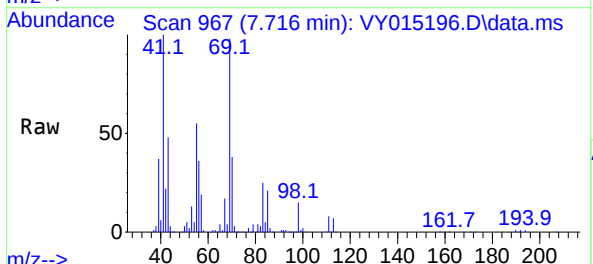
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09C

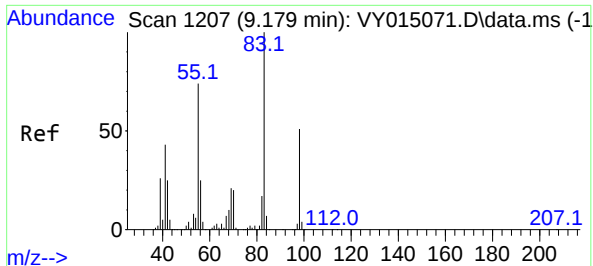
Tgt Ion:114 Resp: 106363
Ion Ratio Lower Upper
114 100
63 140.5 0.0 42.4#
88 17.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 43.123 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion:113 Resp: 29508
Ion Ratio Lower Upper
113 100
111 102.7 81.3 121.9
192 19.1 16.9 25.3





#39

Methylcyclohexane

Concen: 15153.684 ug/l

RT: 9.191 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

B-PP09C

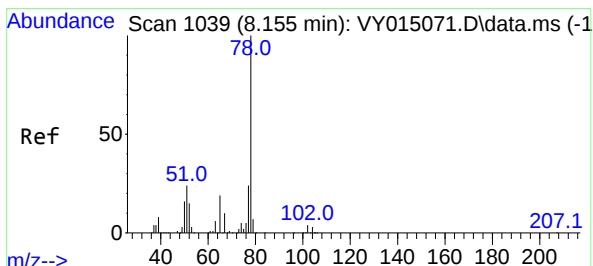
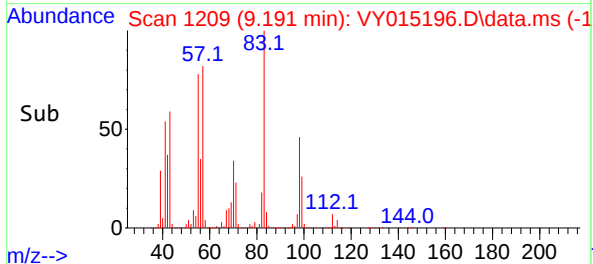
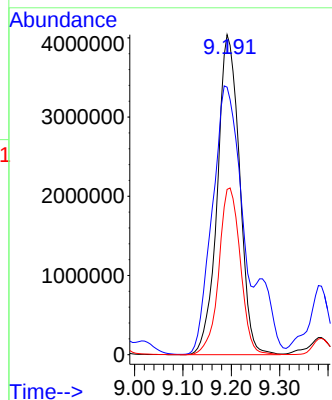
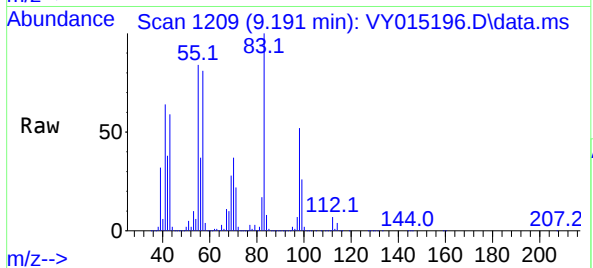
Tgt Ion: 83 Resp:12860133

Ion Ratio Lower Upper

83 100

55 83.5 63.0 94.4

98 51.6 37.4 56.2



#40

Benzene

Concen: 124.069 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. 0.012 min

Lab File: VY015196.D

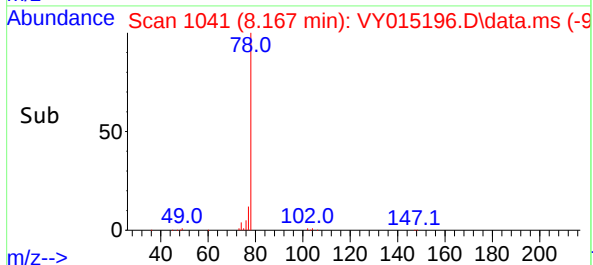
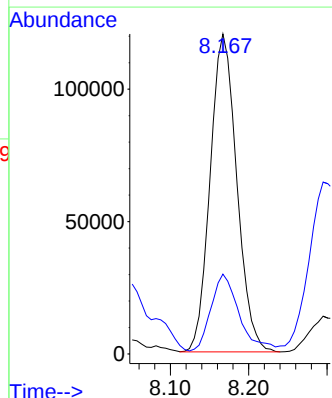
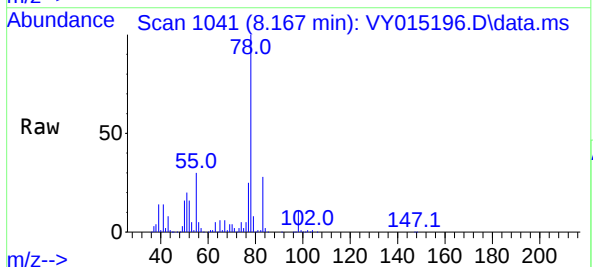
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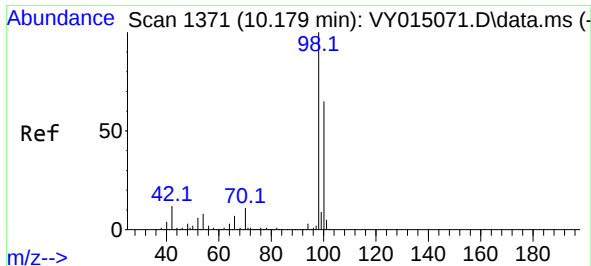
Tgt Ion: 78 Resp: 283961

Ion Ratio Lower Upper

78 100

77 22.6 19.0 28.6

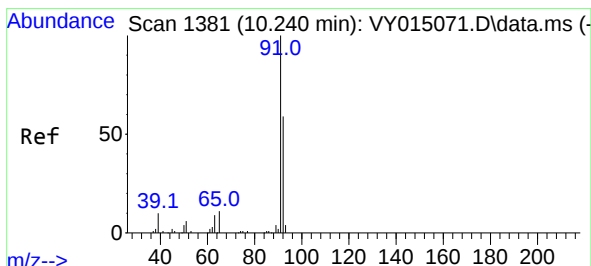
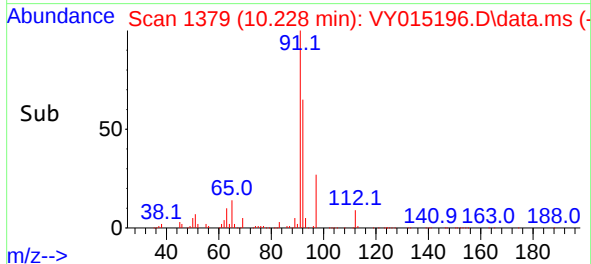
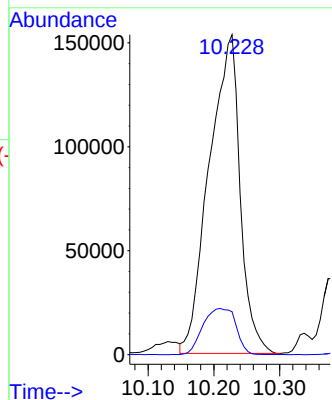
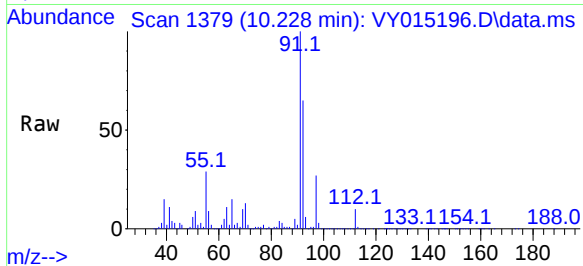




#50
Toluene-d8
Concen: 196.280 ug/l
RT: 10.228 min Scan# 11
Delta R.T. 0.049 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

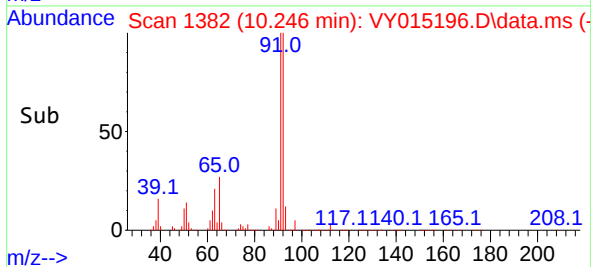
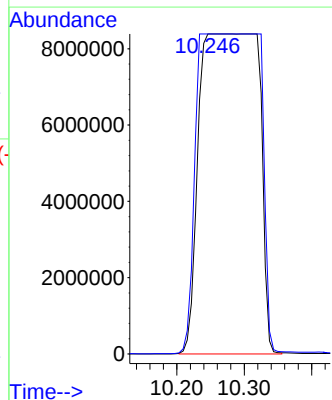
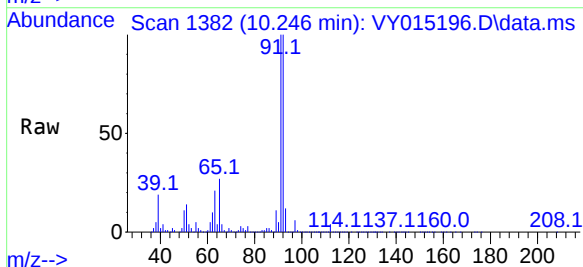
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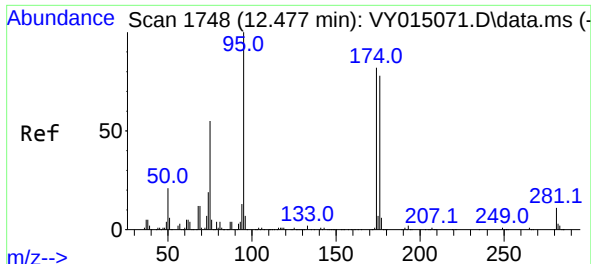
Tgt Ion: 98 Resp: 499973
Ion Ratio Lower Upper
98 100
100 15.5 50.1 75.1#



#52
Toluene
Concen: 33677.865 ug/l m
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 92 Resp: 50804389
Ion Ratio Lower Upper
92 100
91 0.0 143.8 215.6#

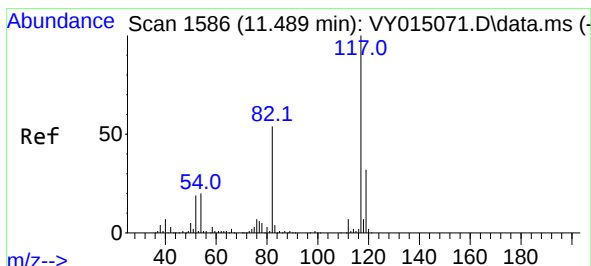
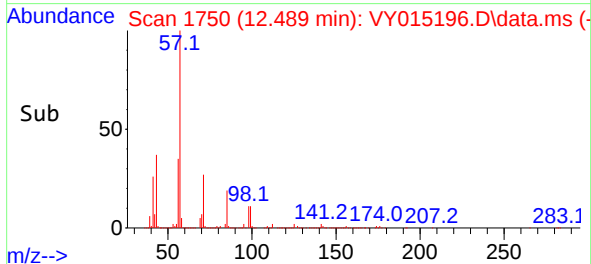
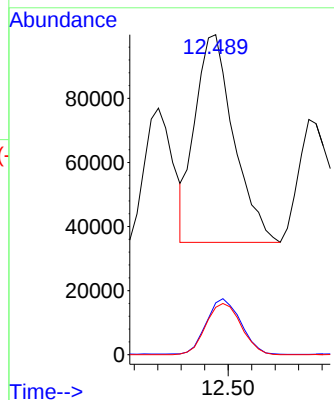
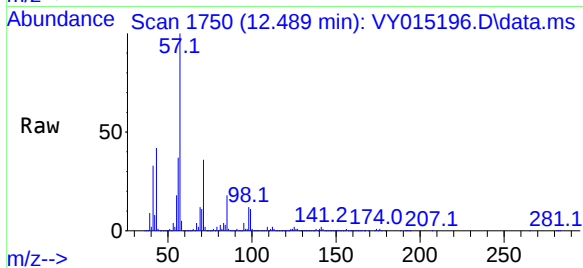




#62
4-Bromofluorobenzene
Concen: 159.670 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

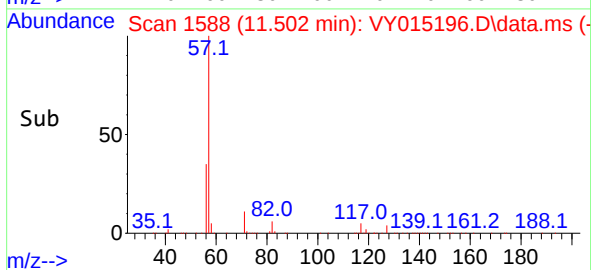
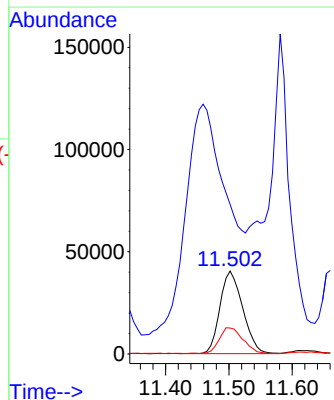
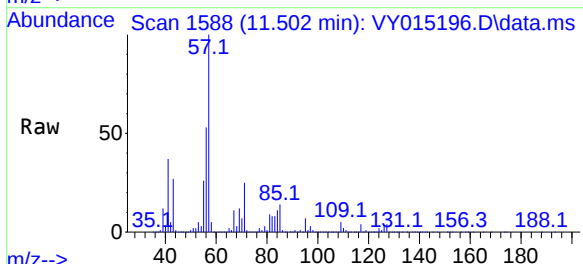
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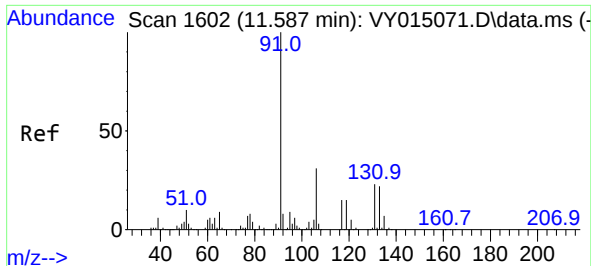
Tgt Ion: 95 Resp: 148553
Ion Ratio Lower Upper
95 100
174 24.0 0.0 178.2
176 22.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 117 Resp: 100818
Ion Ratio Lower Upper
117 100
82 71.4 43.4 65.0#
119 30.8 26.3 39.5





#67

Ethyl Benzene

Concen: 14219.360 ug/l m

RT: 11.587 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY015196.D

Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

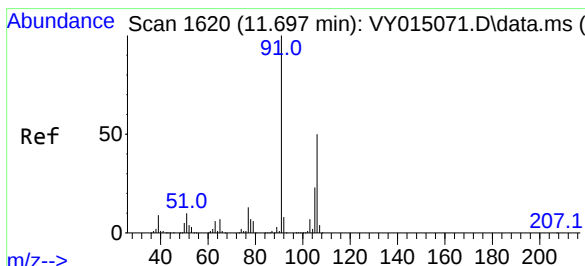
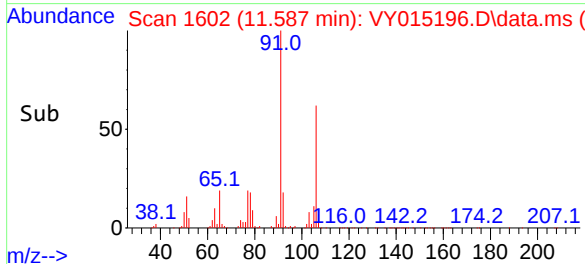
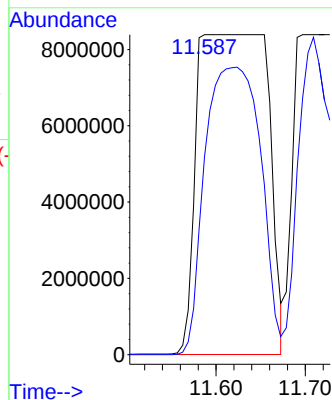
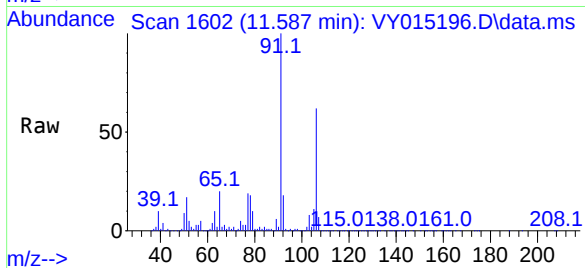
B-PP09C

Tgt Ion: 91 Resp:45764322

Ion Ratio Lower Upper

91 100

106 61.8 24.6 36.8#



#68

m/p-Xylenes

Concen: 34177.824 ug/l m

RT: 11.770 min Scan# 1632

Delta R.T. 0.073 min

Lab File: VY015196.D

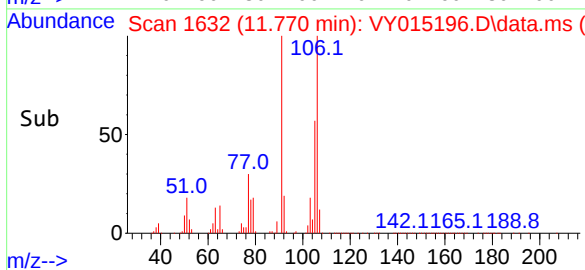
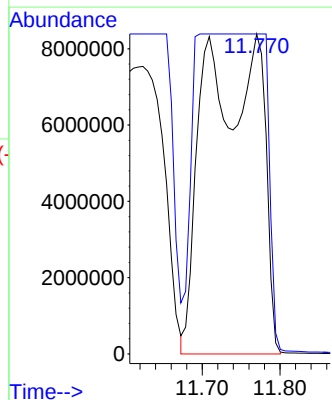
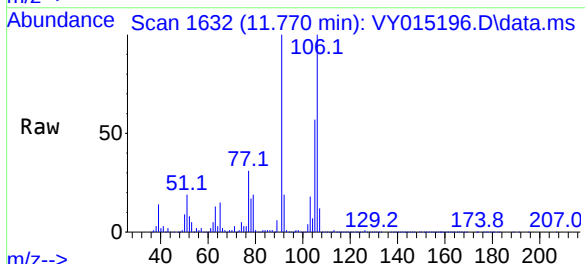
Acq: 18 Aug 2023 15:24

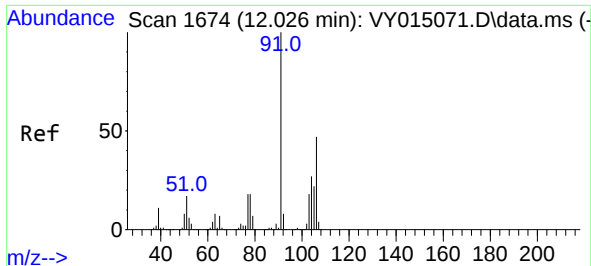
Tgt Ion:106 Resp:41778178

Ion Ratio Lower Upper

106 100

91 8.5 166.1 249.1#

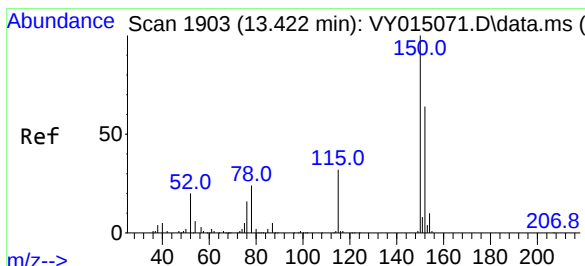
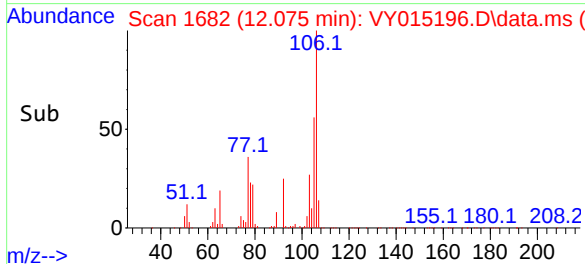
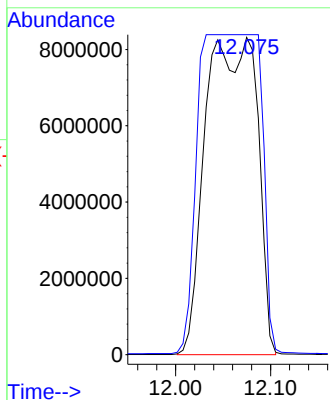
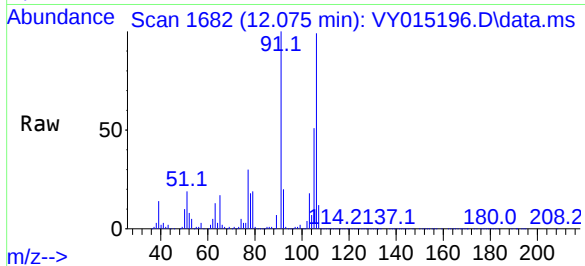




#69
o-Xylene
Concen: 25806.336 ug/l m
RT: 12.075 min Scan# 1
Delta R.T. 0.049 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

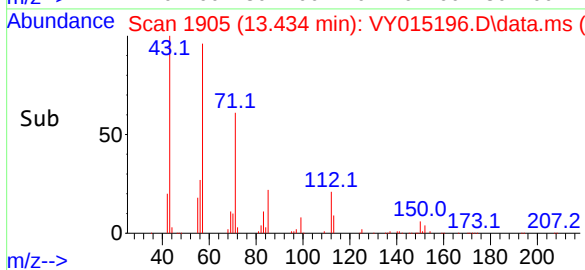
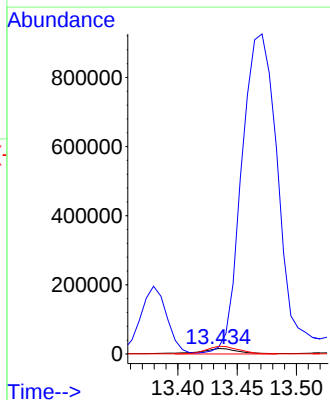
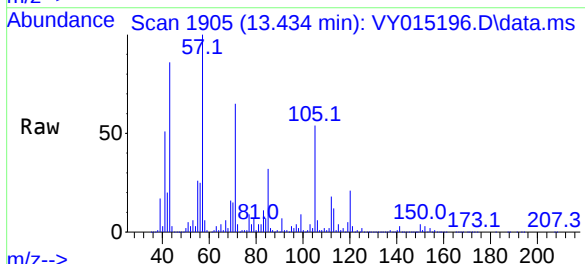
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09C

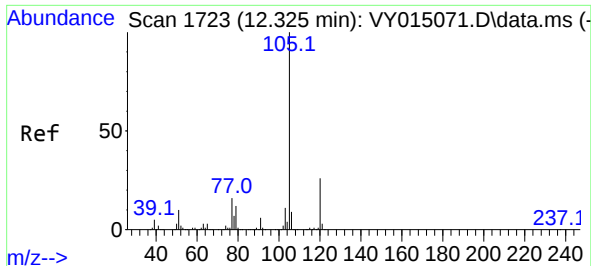
Tgt Ion:106 Resp:31424671
Ion Ratio Lower Upper
106 100
91 0.0 108.1 324.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.434 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion:152 Resp: 32585
Ion Ratio Lower Upper
152 100
115 0.0 28.8 86.5#
150 126.1 0.0 348.8

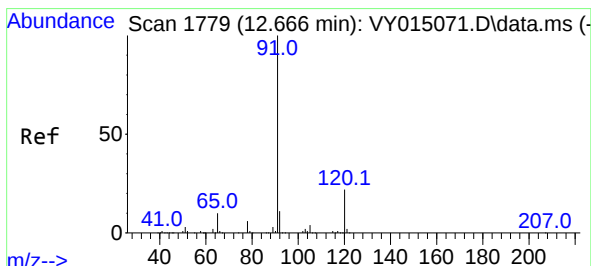
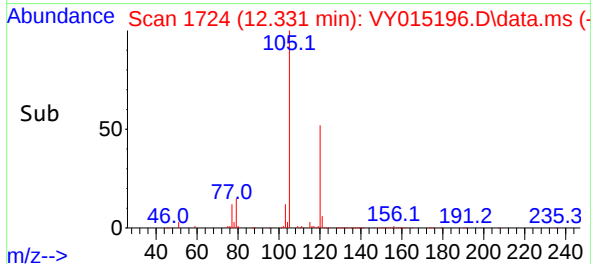
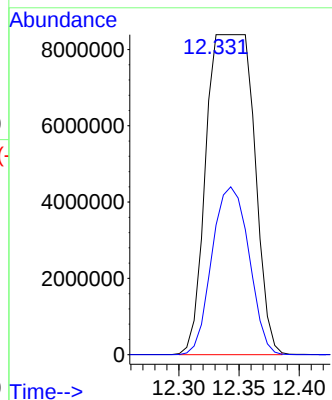
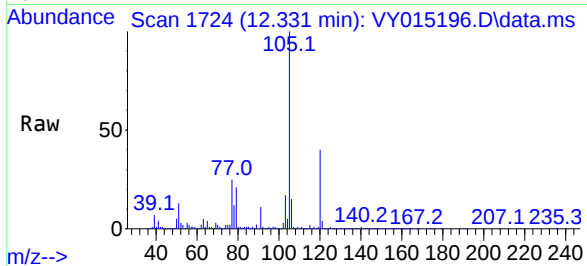




#73
Isopropylbenzene
Concen: 11061.745 ug/l m
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

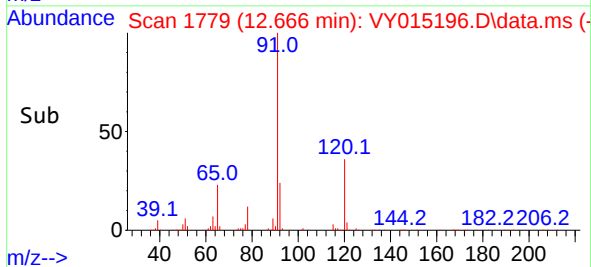
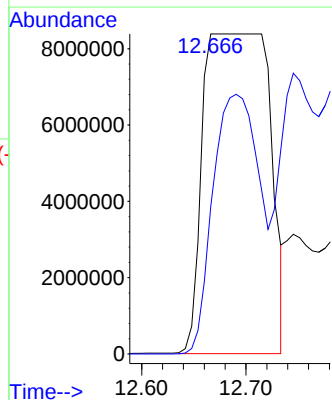
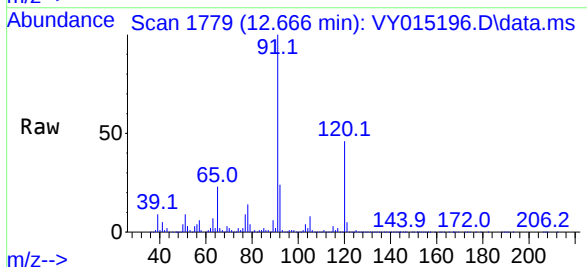
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09C

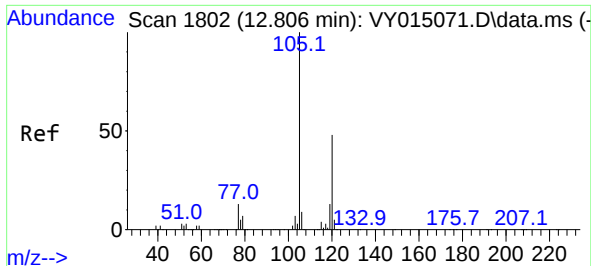
Tgt Ion:105 Resp:23177957
Ion Ratio Lower Upper
105 100
120 0.0 13.3 39.9#



#78
n-propylbenzene
Concen: 14832.964 ug/l m
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion: 91 Resp:36906984
Ion Ratio Lower Upper
91 100
120 0.0 11.5 34.4#

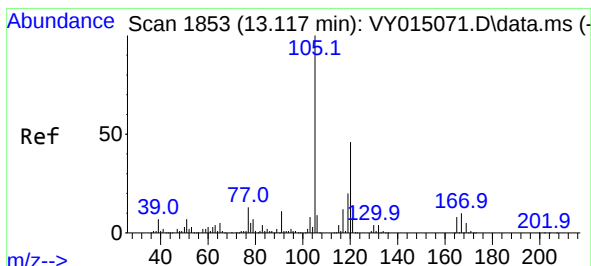
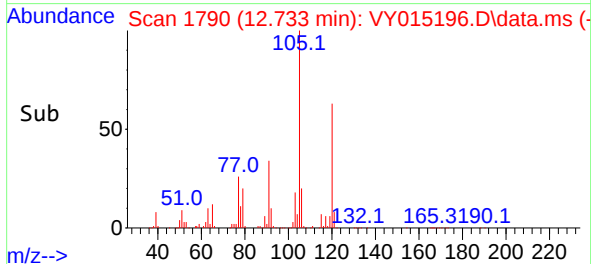
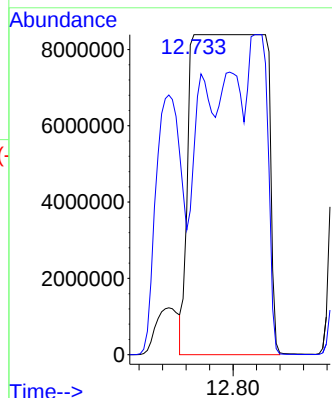
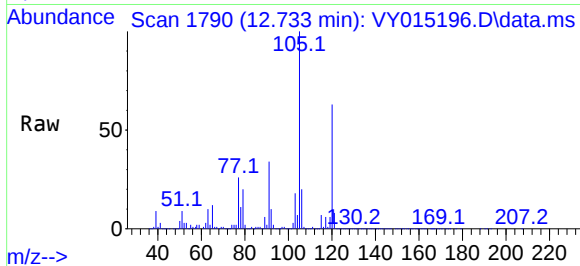




#80
1,3,5-Trimethylbenzene
Concen: 41882.605 ug/l m
RT: 12.733 min Scan# 1
Delta R.T. -0.079 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

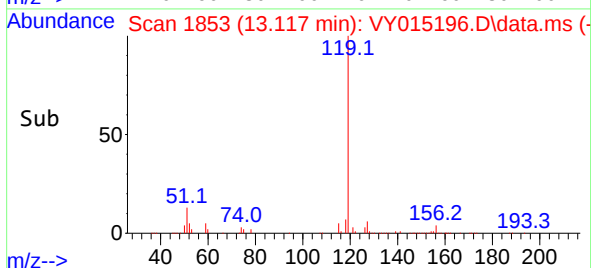
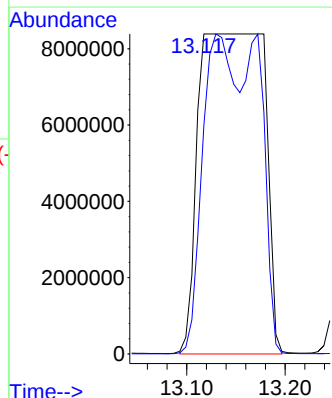
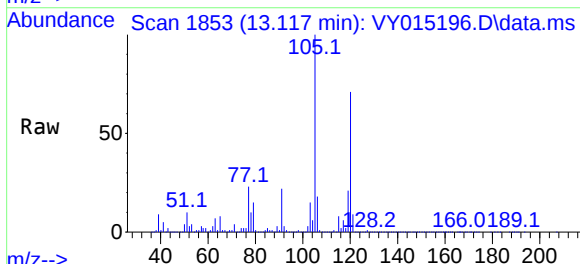
Instrument :
MSVOA_Y
ClientSampleId :
B-PP09C

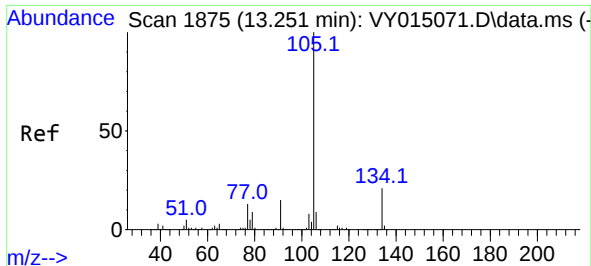
Tgt Ion:105 Resp:73152265
Ion Ratio Lower Upper
105 100
120 11.8 23.9 71.7#



#84
1,2,4-Trimethylbenzene
Concen: 22200.177 ug/l m
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY015196.D
Acq: 18 Aug 2023 15:24

Tgt Ion:105 Resp:38746002
Ion Ratio Lower Upper
105 100
120 0.0 22.2 66.6#

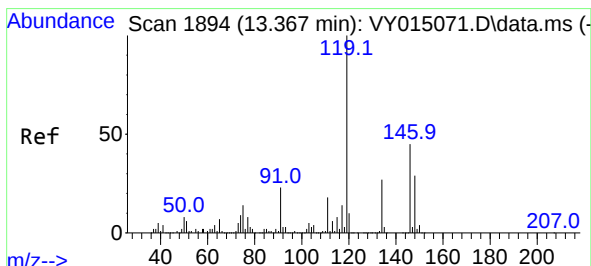
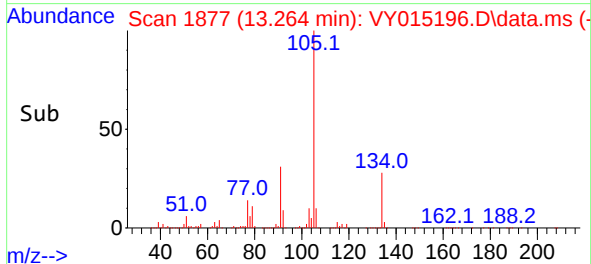
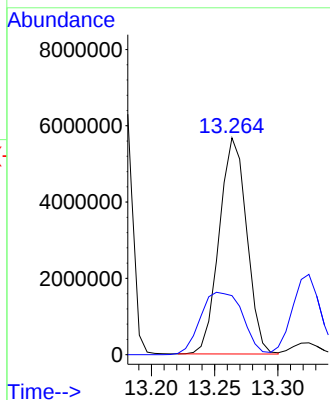
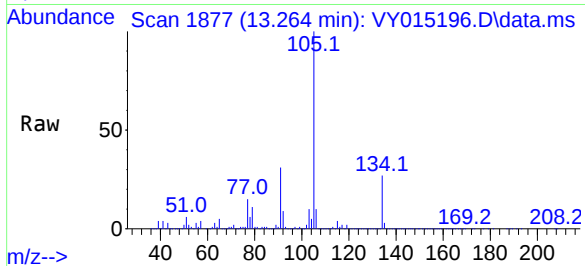




#85
 sec-Butylbenzene
 Concen: 3661.579 ug/l
 RT: 13.264 min Scan# 1877
 Delta R.T. 0.012 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

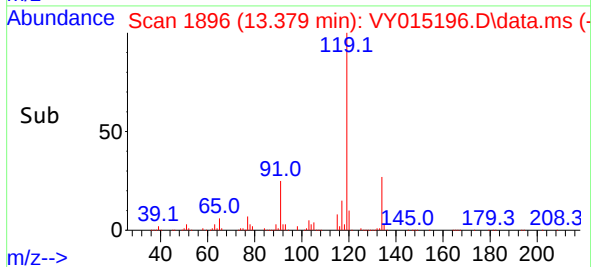
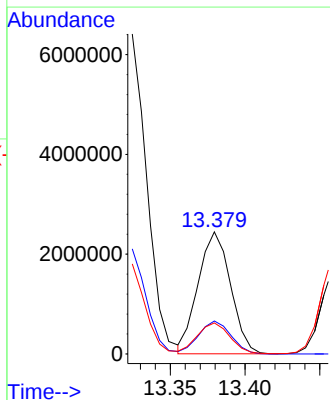
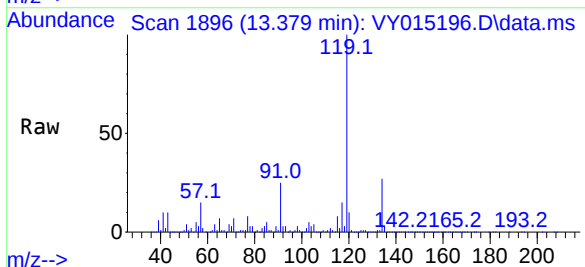
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP09C

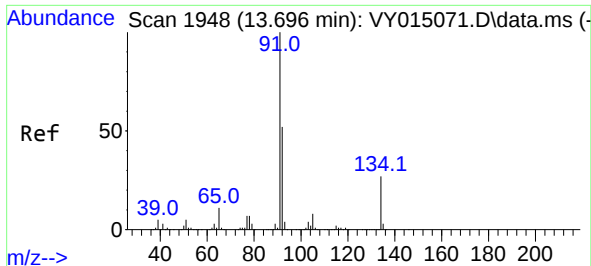
Tgt Ion:105 Resp: 8570889
 Ion Ratio Lower Upper
 105 100
 134 44.5 10.2 30.6#



#86
 p-Isopropyltoluene
 Concen: 1904.231 ug/l
 RT: 13.379 min Scan# 1896
 Delta R.T. 0.012 min
 Lab File: VY015196.D
 Acq: 18 Aug 2023 15:24

Tgt Ion:119 Resp: 3695557
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.3 39.8
 91 25.1 12.4 37.4





#89

n-Butylbenzene

Concen: 3814.793 ug/l

RT: 13.703 min Scan# 1949

Delta R.T. 0.006 min

Lab File: VY015196.D

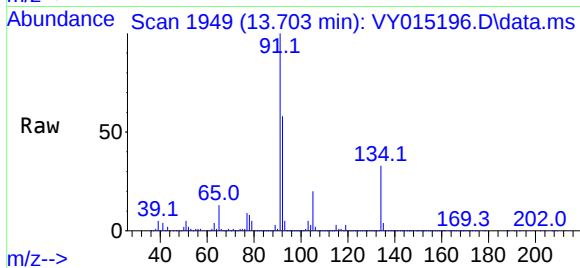
Acq: 18 Aug 2023 15:24

Instrument :

MSVOA_Y

ClientSampleId :

B-PP09C



Tgt Ion: 91 Resp: 6980400

Ion Ratio Lower Upper

91 100

92 66.1 25.4 76.0

134 0.0 12.6 37.6#

