

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY080823\
 Data File : VY014982.D
 Acq On : 08 Aug 2023 14:01
 Operator : SY/MD
 Sample : 03929-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP19

Quant Time: Aug 09 00:59:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

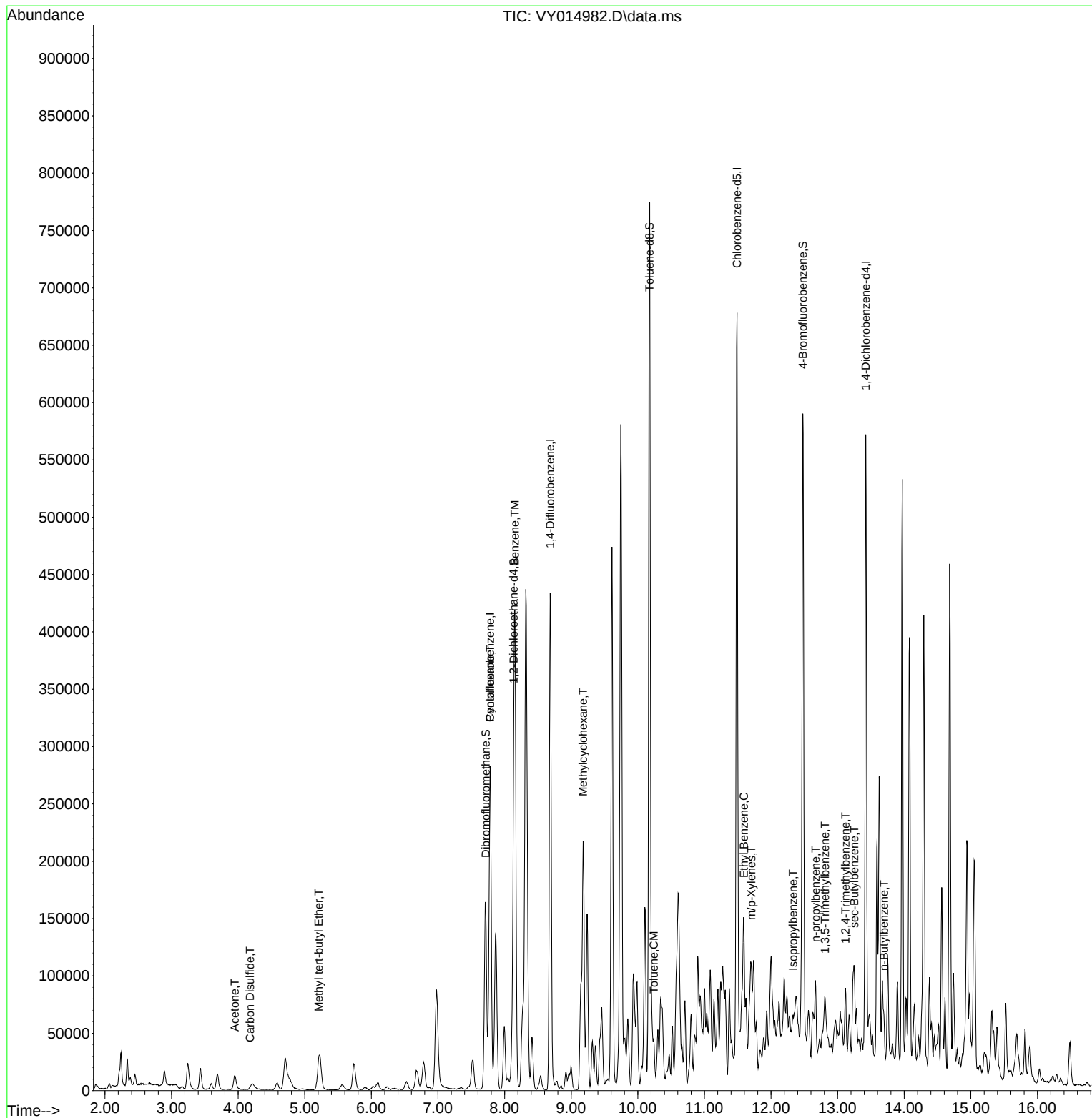
Internal Standards						
1) Pentafluorobenzene	7.783	168	199499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	358959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	338864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	131348	54.321	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.640%	
35) Dibromofluoromethane	7.716	113	114884	50.048	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.100%	
50) Toluene-d8	10.179	98	433945	49.667	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.340%	
62) 4-Bromofluorobenzene	12.477	95	151032	48.774	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 97.540%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	22667	30.062	ug/l	99
17) Carbon Disulfide	4.180	76	4270	1.225	ug/l #	88
19) Methyl tert-butyl Ether	5.210	73	40229	6.743	ug/l #	65
31) Cyclohexane	7.783	56	17648	3.811	ug/l #	78
39) Methylcyclohexane	9.179	83	63747	18.809	ug/l	92
40) Benzene	8.155	78	339992	40.515	ug/l	99
52) Toluene	10.240	92	14544	2.693	ug/l	99
67) Ethyl Benzene	11.593	91	68180	6.042	ug/l	97
68) m/p-Xylenes	11.703	106	27520	6.375	ug/l	96
73) Isopropylbenzene	12.331	105	16459	1.784	ug/l	96
78) n-propylbenzene	12.672	91	47495	4.304	ug/l	96
80) 1,3,5-Trimethylbenzene	12.812	105	9968	1.311	ug/l	95
84) 1,2,4-Trimethylbenzene	13.117	105	29691	3.897	ug/l	99
85) sec-Butylbenzene	13.251	105	40829	3.999	ug/l #	53
89) n-Butylbenzene	13.696	91	24664	3.106	ug/l #	76

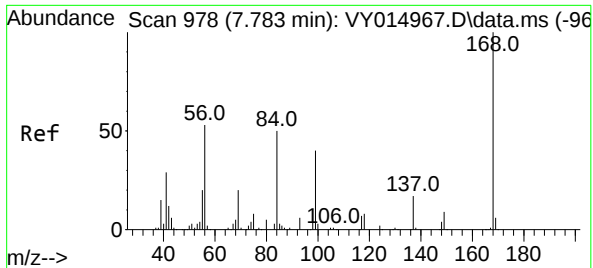
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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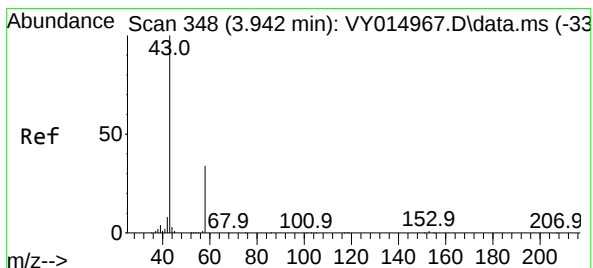
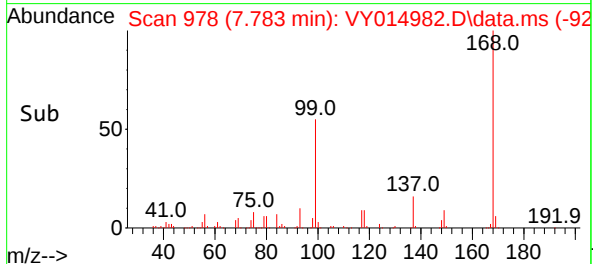
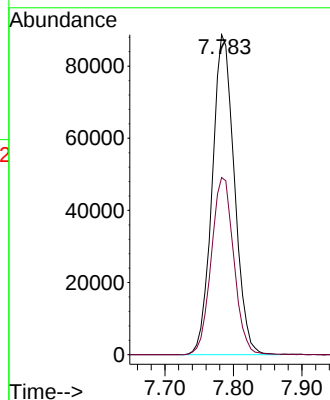
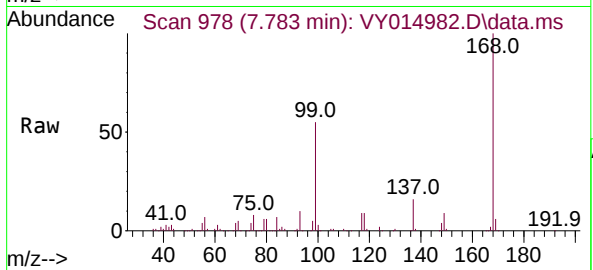




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

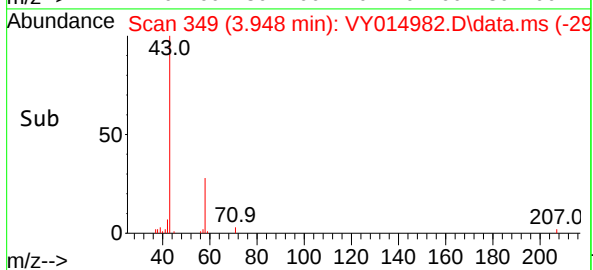
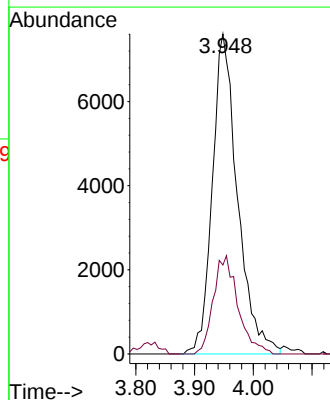
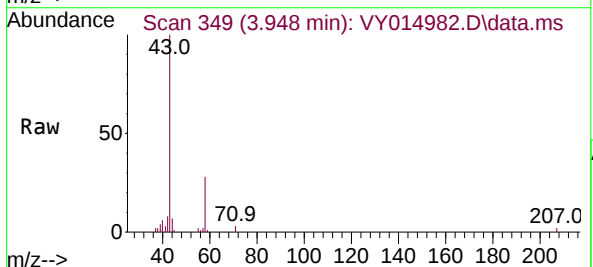
Instrument :
MSVOA_Y
ClientSampleId :
B-PP19

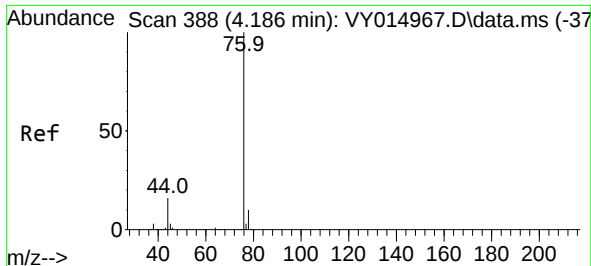
Tgt Ion:168 Resp: 199499
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#16
Acetone
Concen: 30.062 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

Tgt Ion: 43 Resp: 22667
Ion Ratio Lower Upper
43 100
58 27.8 22.7 34.1

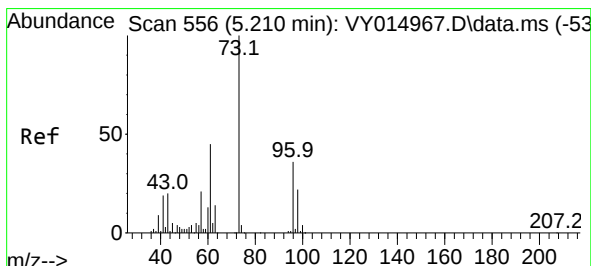
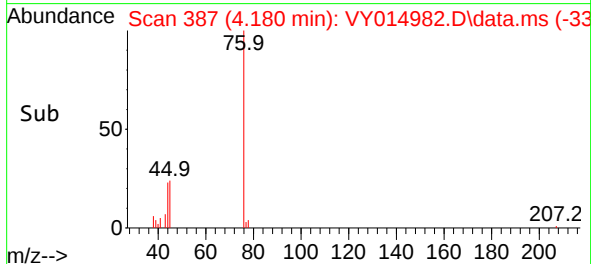
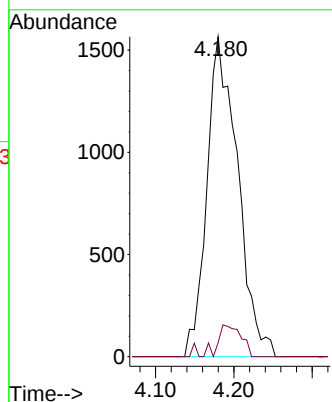
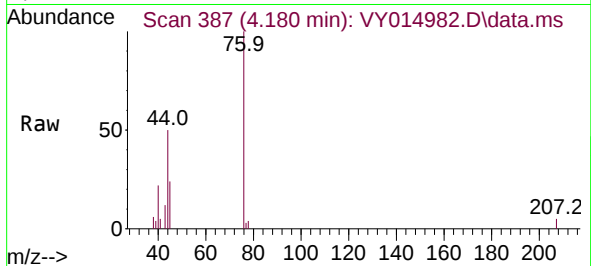




#17
Carbon Disulfide
Concen: 1.225 ug/l
RT: 4.180 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

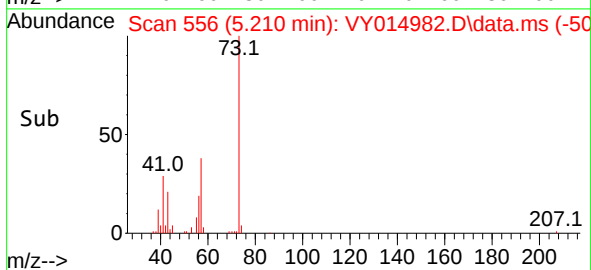
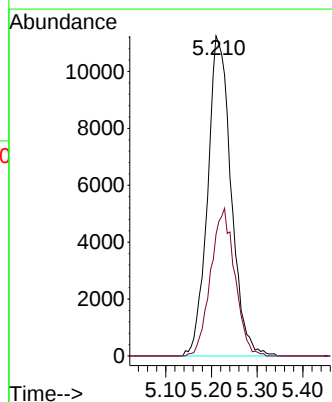
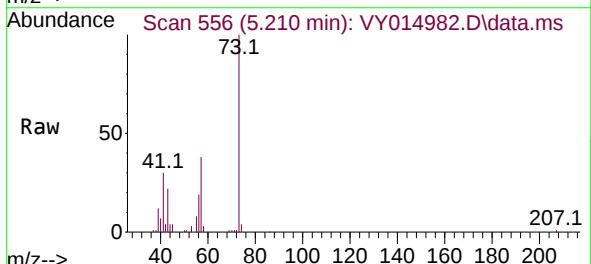
Instrument :
MSVOA_Y
ClientSampleId :
B-PP19

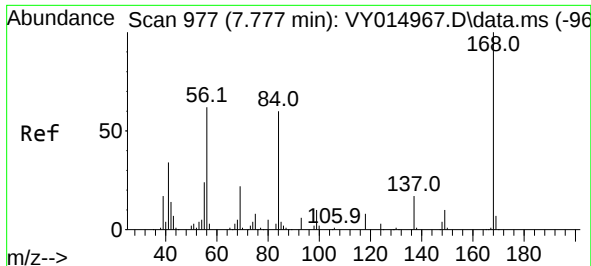
Tgt Ion: 76 Resp: 4270
Ion Ratio Lower Upper
76 100
78 4.4 7.0 10.4#



#19
Methyl tert-butyl Ether
Concen: 6.743 ug/l
RT: 5.210 min Scan# 556
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

Tgt Ion: 73 Resp: 40229
Ion Ratio Lower Upper
73 100
57 38.1 17.3 25.9#

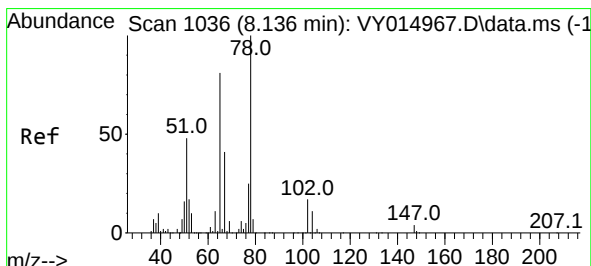
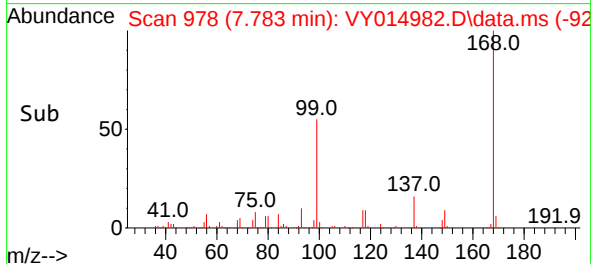
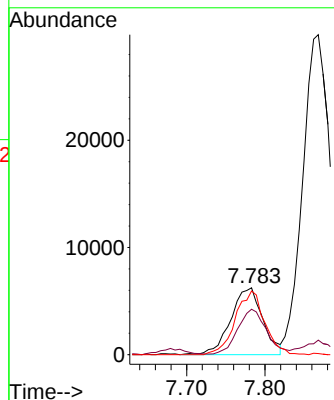
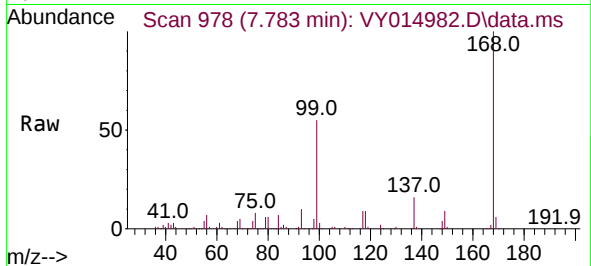




#31
Cyclohexane
Concen: 3.811 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

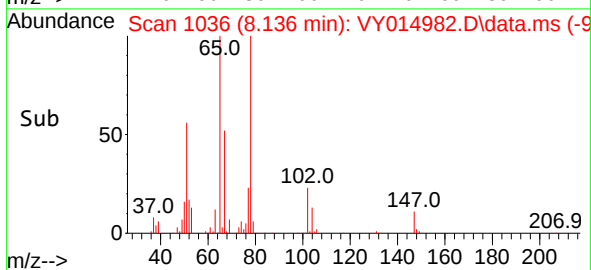
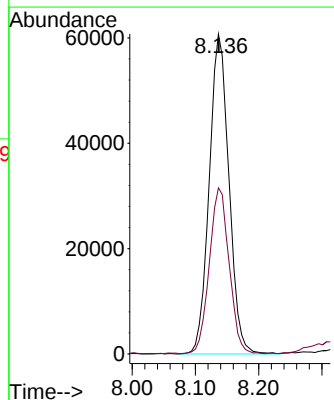
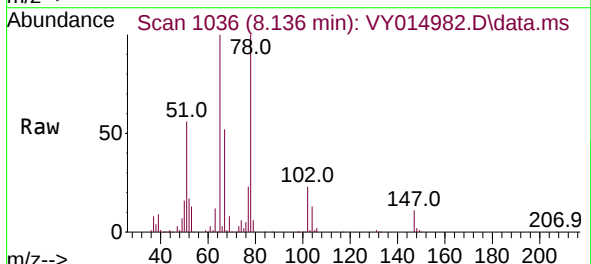
Instrument :
MSVOA_Y
ClientSampleId :
B-PP19

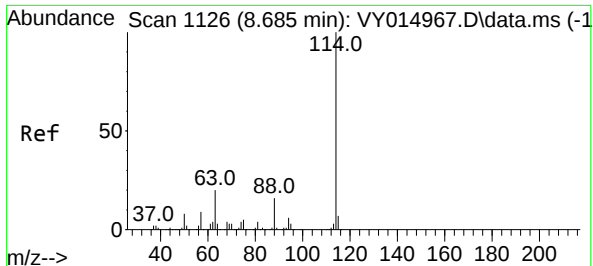
Tgt Ion: 56 Resp: 17648
Ion Ratio Lower Upper
56 100
69 59.8 27.8 41.6#
84 95.2 66.4 99.6



#33
1,2-Dichloroethane-d4
Concen: 54.321 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

Tgt Ion: 65 Resp: 131348
Ion Ratio Lower Upper
65 100
67 52.0 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: VY014982.D

Acq: 08 Aug 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

B-PP19

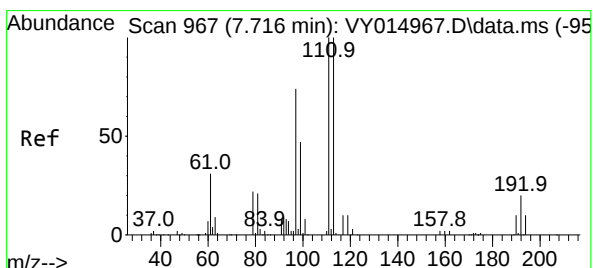
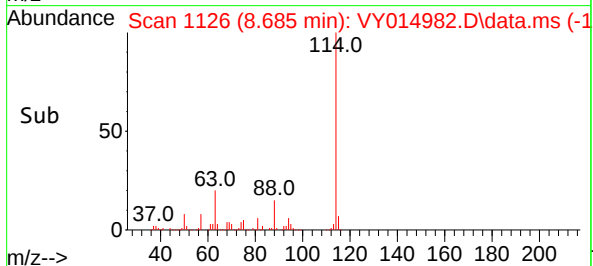
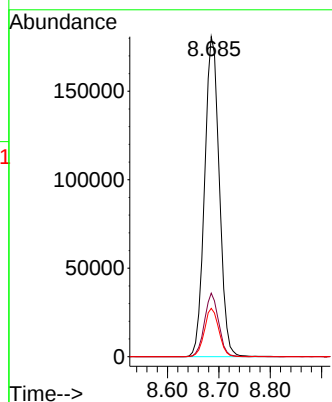
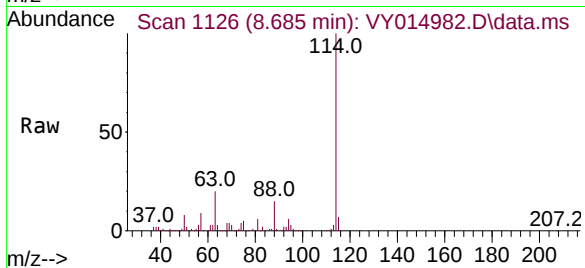
Tgt Ion:114 Resp: 358959

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.048 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY014982.D

Acq: 08 Aug 2023 14:01

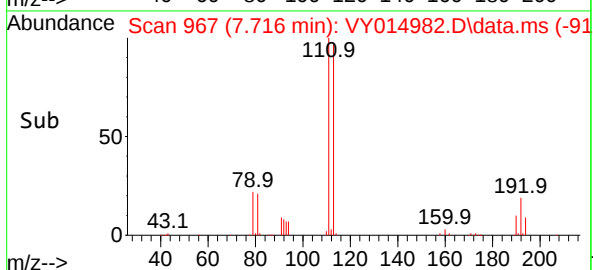
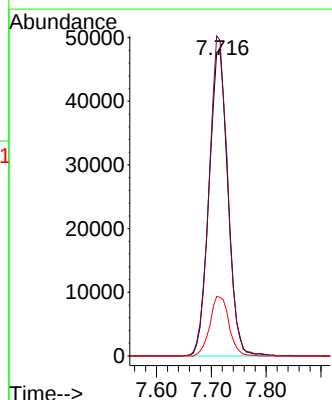
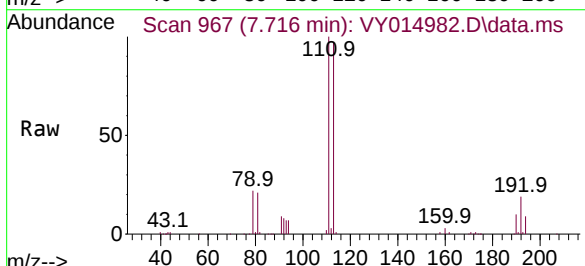
Tgt Ion:113 Resp: 114884

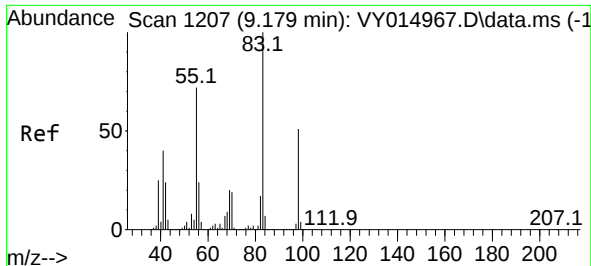
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 19.6 16.9 25.3





#39

Methylcyclohexane

Concen: 18.809 ug/l

RT: 9.179 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014982.D

Acq: 08 Aug 2023 14:01

Instrument :

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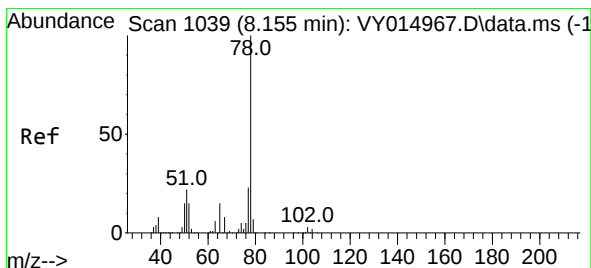
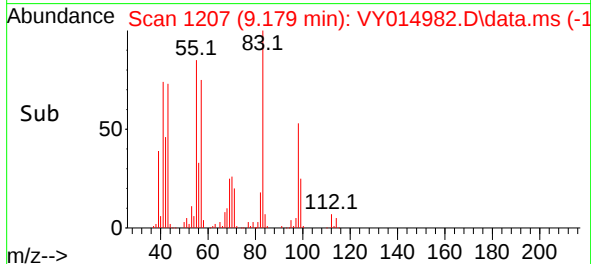
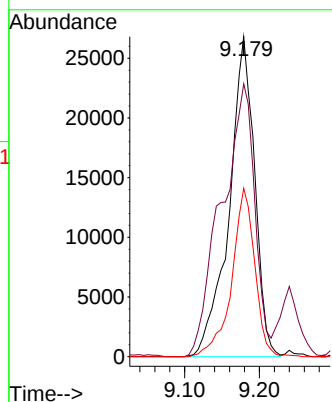
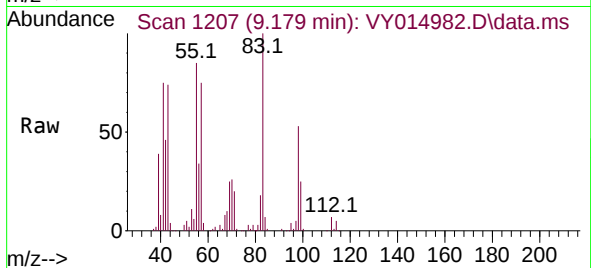
Tgt Ion: 83 Resp: 63747

Ion Ratio Lower Upper

83 100

55 85.2 63.0 94.4

98 52.6 37.4 56.2



#40

Benzene

Concen: 40.515 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. 0.000 min

Lab File: VY014982.D

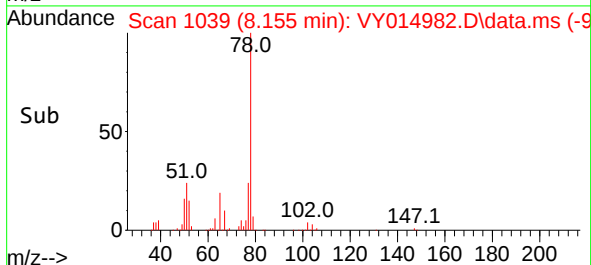
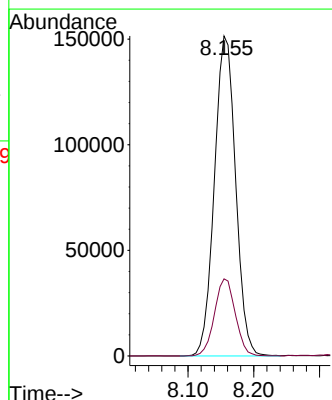
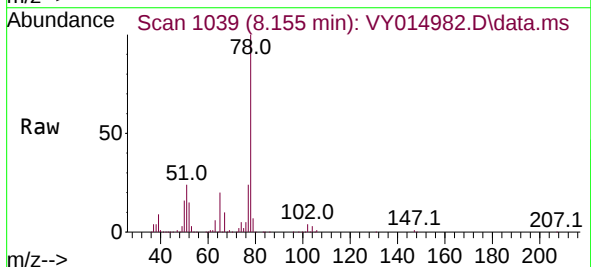
Acq: 08 Aug 2023 14:01

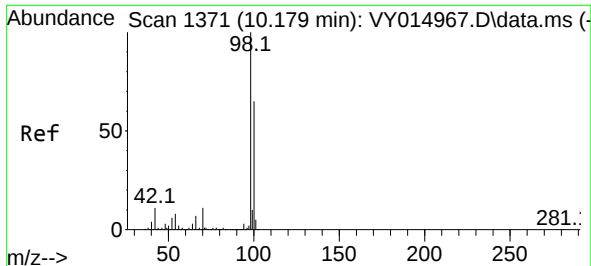
Tgt Ion: 78 Resp: 339992

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

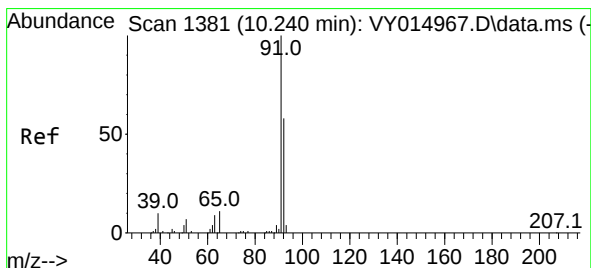
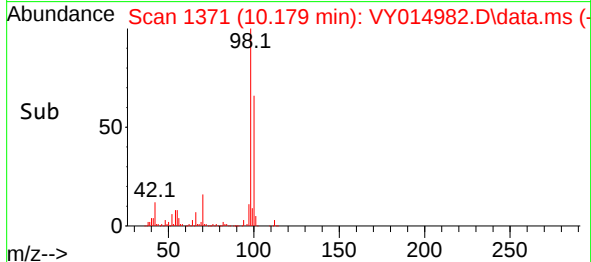
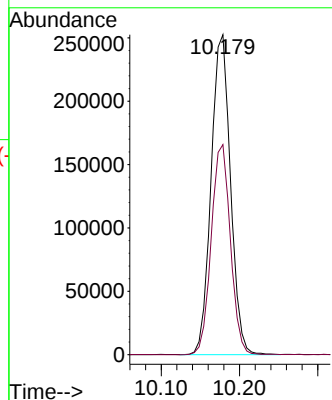
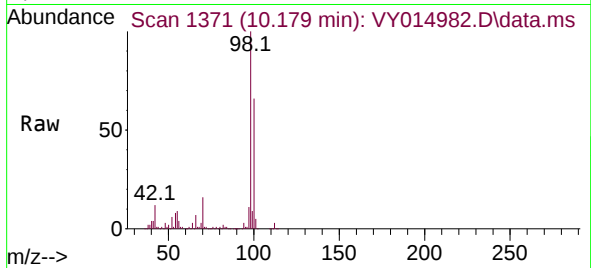




#50
Toluene-d8
Concen: 49.667 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

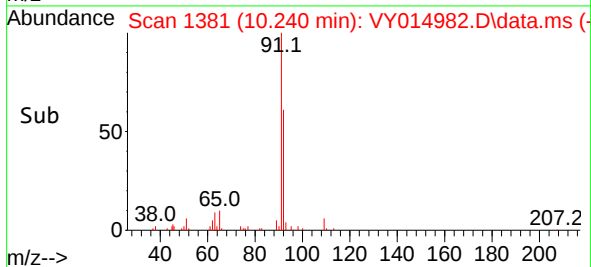
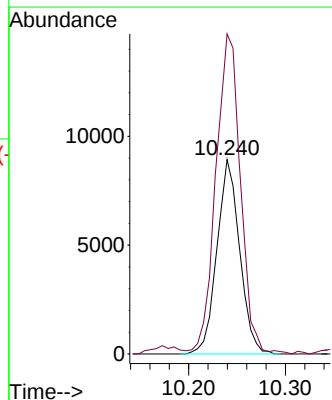
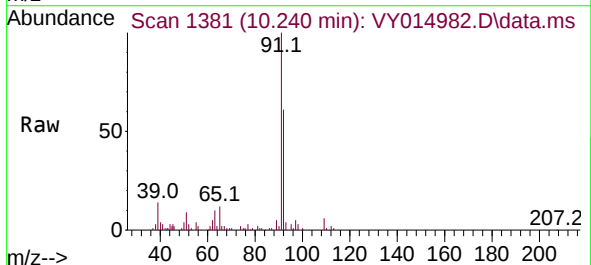
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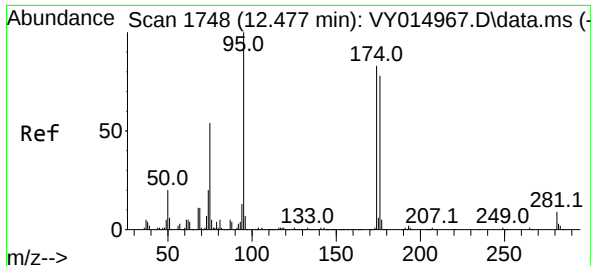
Tgt Ion: 98 Resp: 433945
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1



#52
Toluene
Concen: 2.693 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

Tgt Ion: 92 Resp: 14544
Ion Ratio Lower Upper
92 100
91 178.7 143.8 215.6

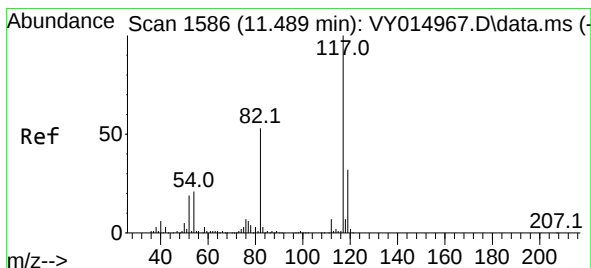
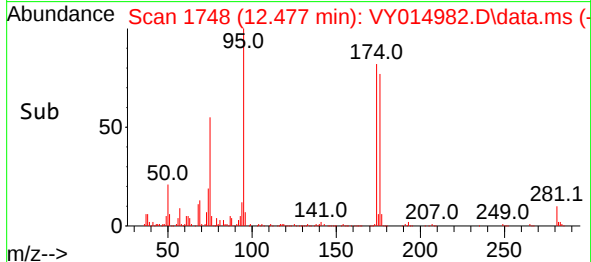
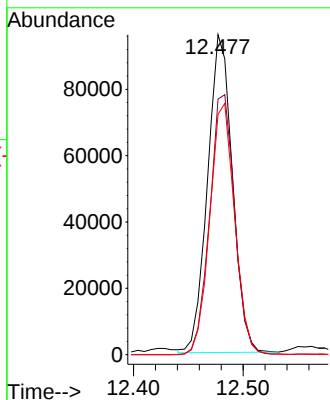
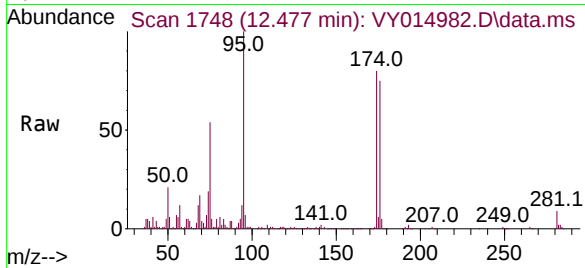




#62
4-Bromofluorobenzene
Concen: 48.774 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

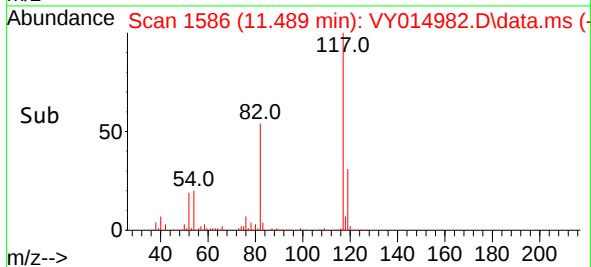
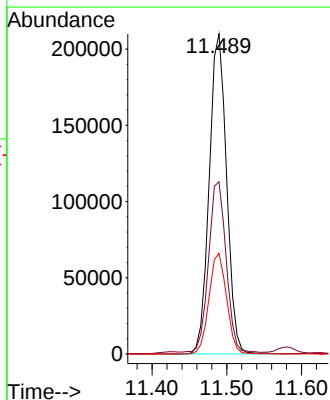
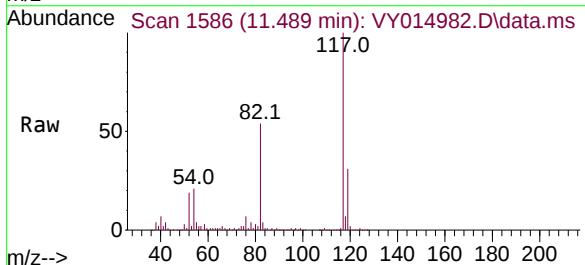
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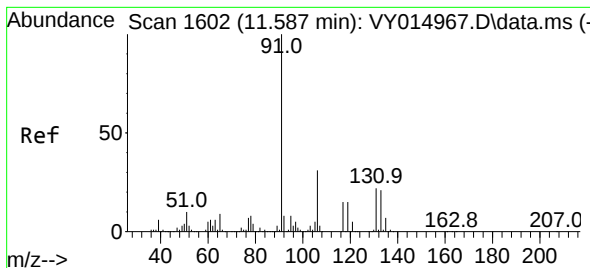
Tgt Ion: 95 Resp: 151032
Ion Ratio Lower Upper
95 100
174 82.3 0.0 178.2
176 79.0 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

Tgt Ion: 117 Resp: 338864
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 31.4 26.3 39.5





#67

Ethyl Benzene

Concen: 6.042 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014982.D

Acq: 08 Aug 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

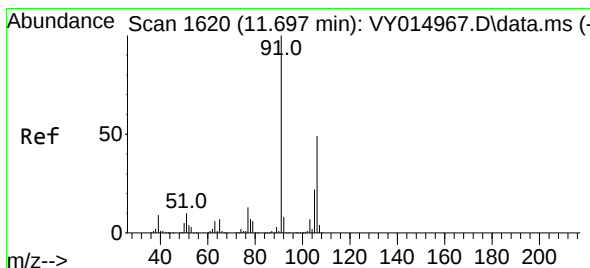
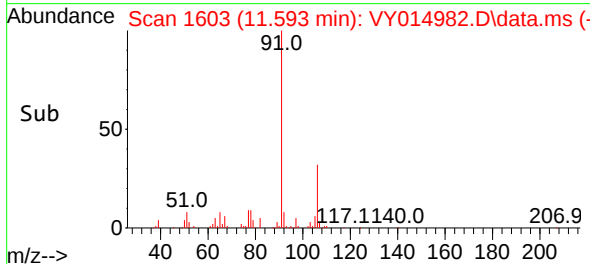
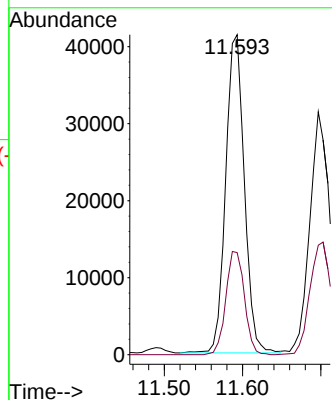
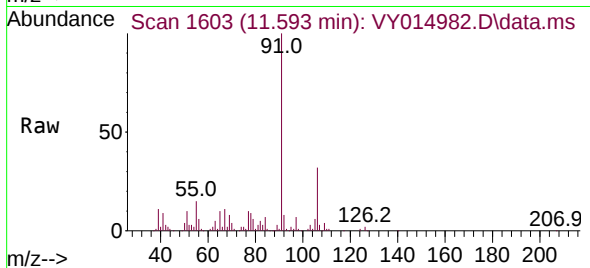
B-PP19

Tgt Ion: 91 Resp: 68180

Ion Ratio Lower Upper

91 100

106 32.1 24.6 36.8



#68

m/p-Xylenes

Concen: 6.375 ug/l

RT: 11.703 min Scan# 1621

Delta R.T. 0.006 min

Lab File: VY014982.D

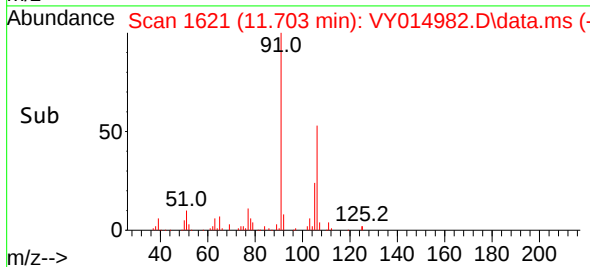
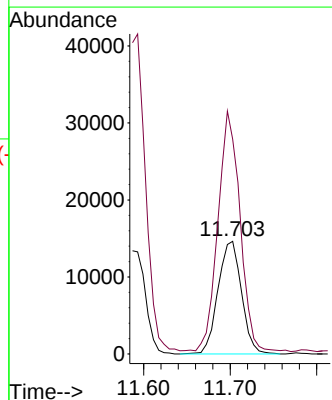
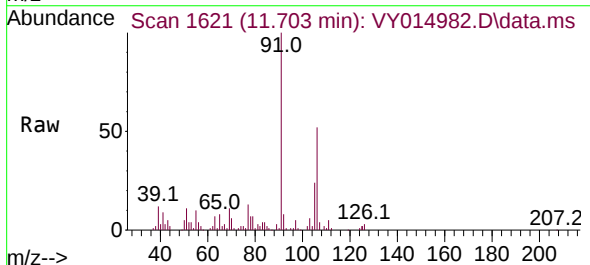
Acq: 08 Aug 2023 14:01

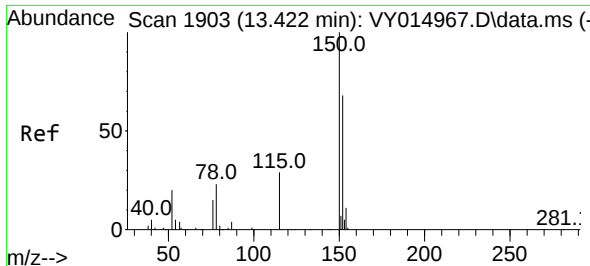
Tgt Ion: 106 Resp: 27520

Ion Ratio Lower Upper

106 100

91 201.8 166.1 249.1

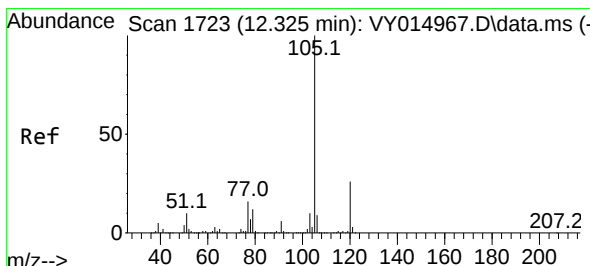
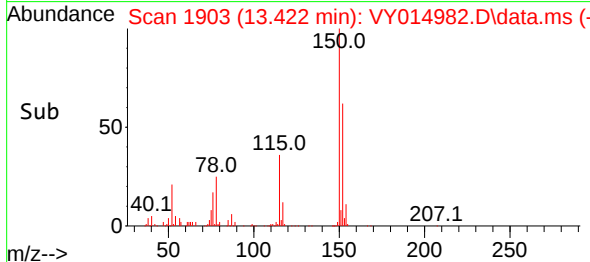
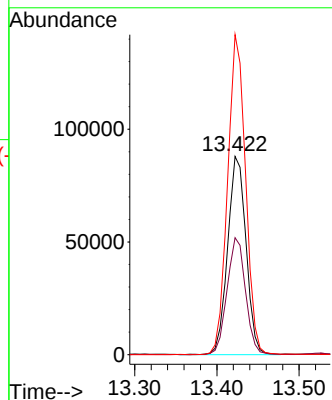
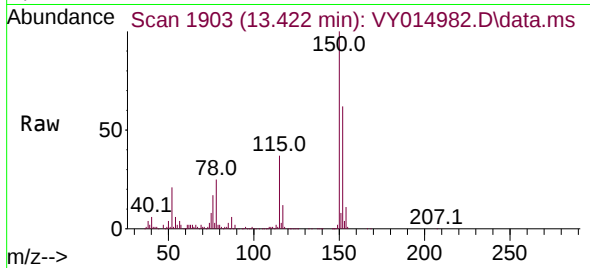




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

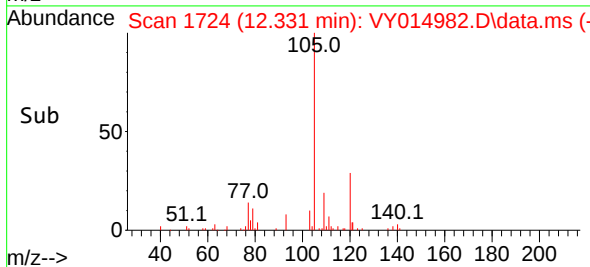
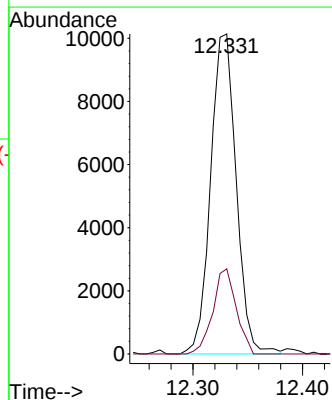
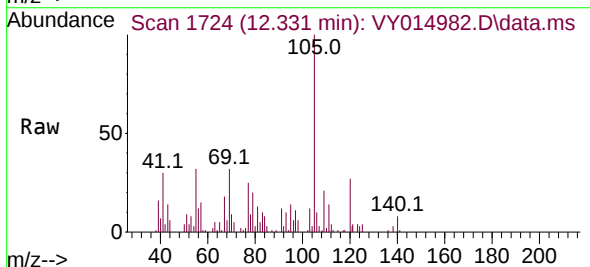
Instrument :
MSVOA_Y
ClientSampleId :
B-PP19

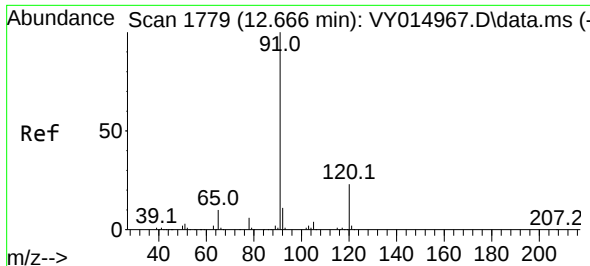
Tgt Ion:152 Resp: 137267
Ion Ratio Lower Upper
152 100
115 59.3 28.8 86.5
150 157.3 0.0 348.8



#73
Isopropylbenzene
Concen: 1.784 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.006 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

Tgt Ion:105 Resp: 16459
Ion Ratio Lower Upper
105 100
120 24.3 13.3 39.9

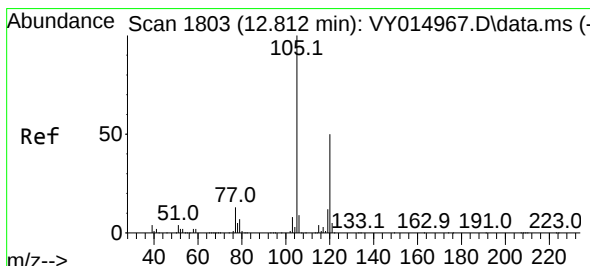
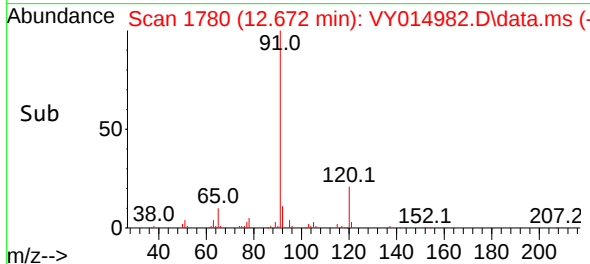
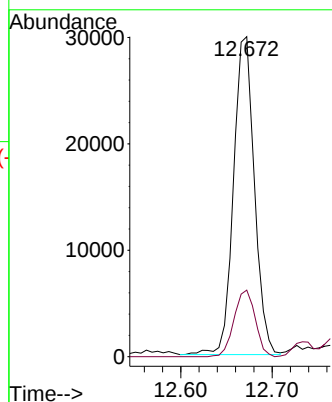
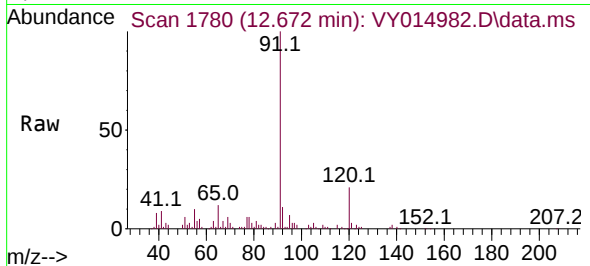




#78
n-propylbenzene
Concen: 4.304 ug/l
RT: 12.672 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

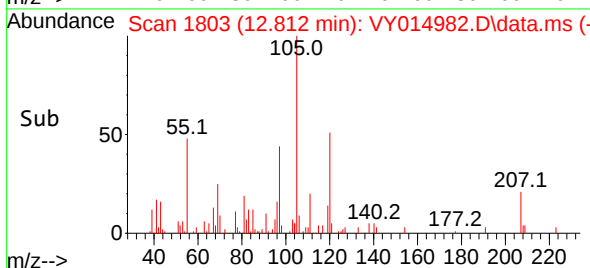
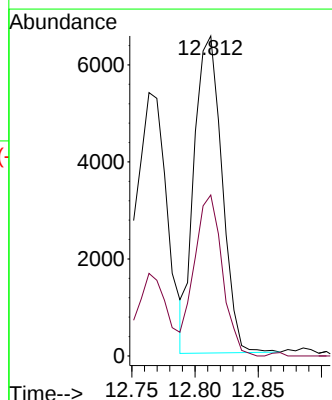
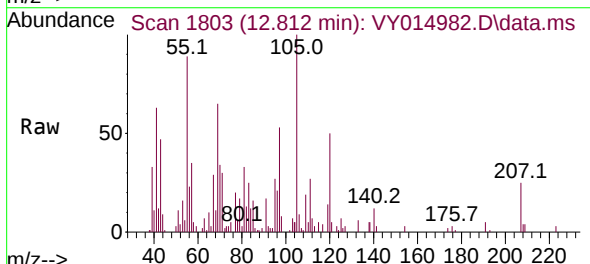
Instrument :
MSVOA_Y
ClientSampleId :
B-PP19

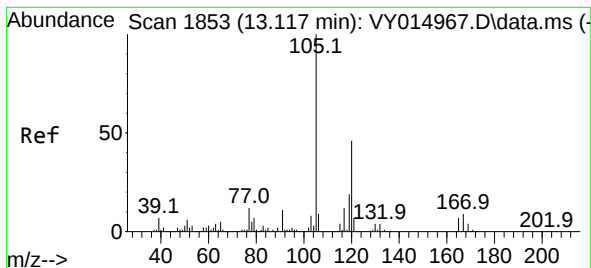
Tgt Ion: 91 Resp: 47495
Ion Ratio Lower Upper
91 100
120 21.2 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 1.311 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY014982.D
Acq: 08 Aug 2023 14:01

Tgt Ion: 105 Resp: 9968
Ion Ratio Lower Upper
105 100
120 51.0 23.9 71.7





#84

1,2,4-Trimethylbenzene

Concen: 3.897 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014982.D

Acq: 08 Aug 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

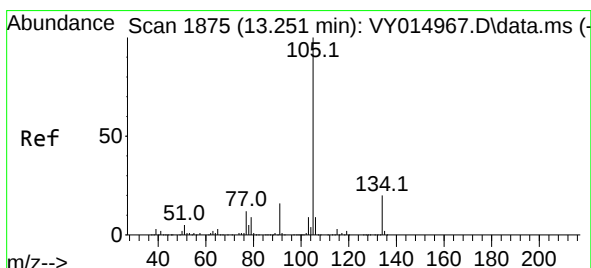
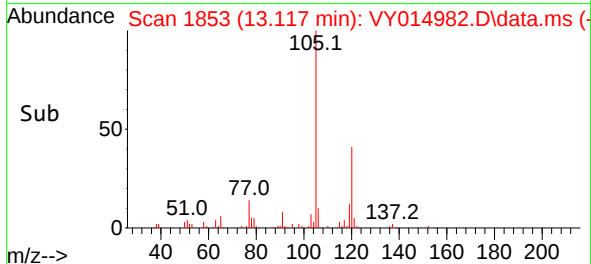
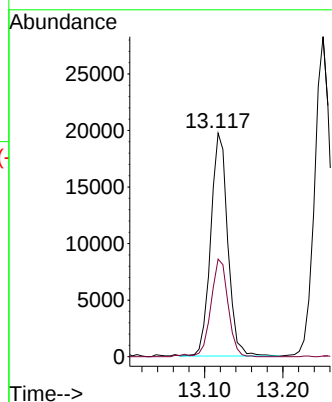
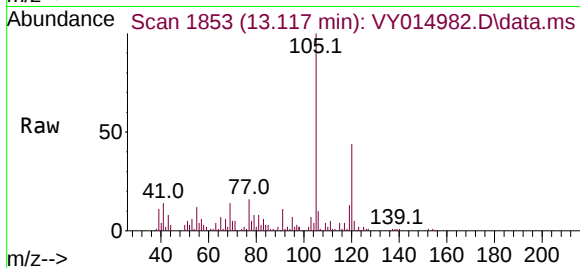
B-PP19

Tgt Ion:105 Resp: 29691

Ion Ratio Lower Upper

105 100

120 43.6 22.2 66.6



#85

sec-Butylbenzene

Concen: 3.999 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014982.D

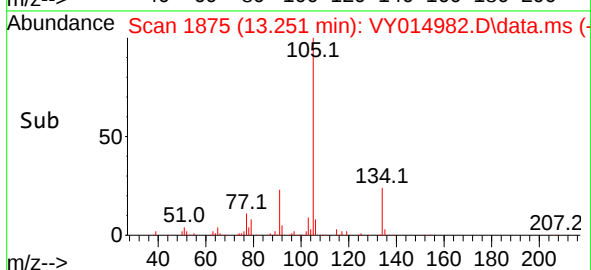
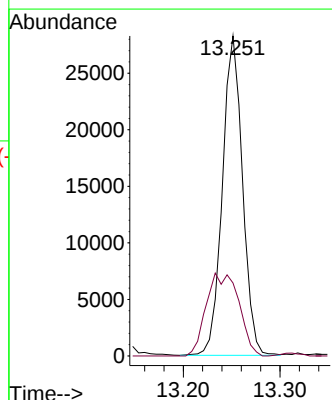
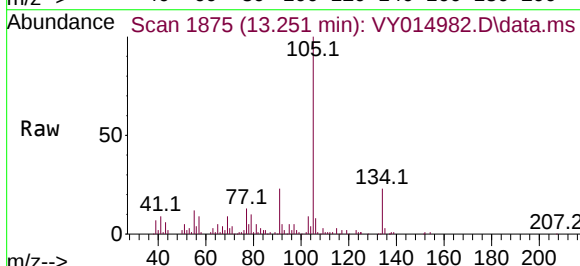
Acq: 08 Aug 2023 14:01

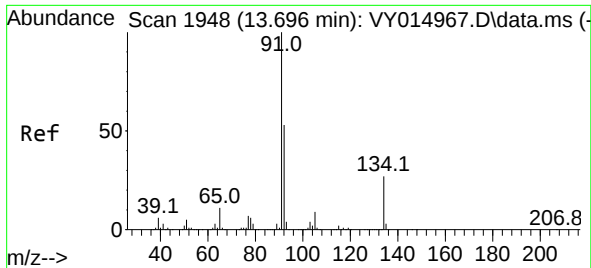
Tgt Ion:105 Resp: 40829

Ion Ratio Lower Upper

105 100

134 42.2 10.2 30.6#





#89

n-Butylbenzene

Concen: 3.106 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014982.D

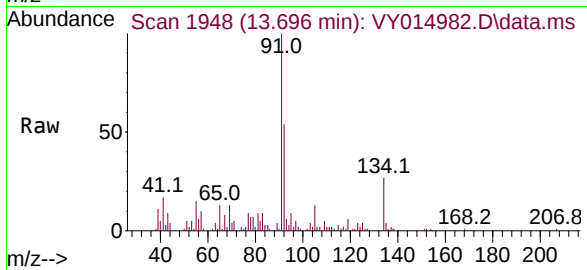
Acq: 08 Aug 2023 14:01

Instrument :

MSVOA_Y

ClientSampleId :

B-PP19



Tgt Ion:	91	Resp:	24664
Ion	Ratio	Lower	Upper
91	100		
92	43.0	25.4	76.0
134	0.0	12.6	37.6#

