

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015027.D
 Acq On : 10 Aug 2023 15:05
 Operator : SY/MD
 Sample : 03956-01RE
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP22RE

Quant Time: Aug 11 01:56:23 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)

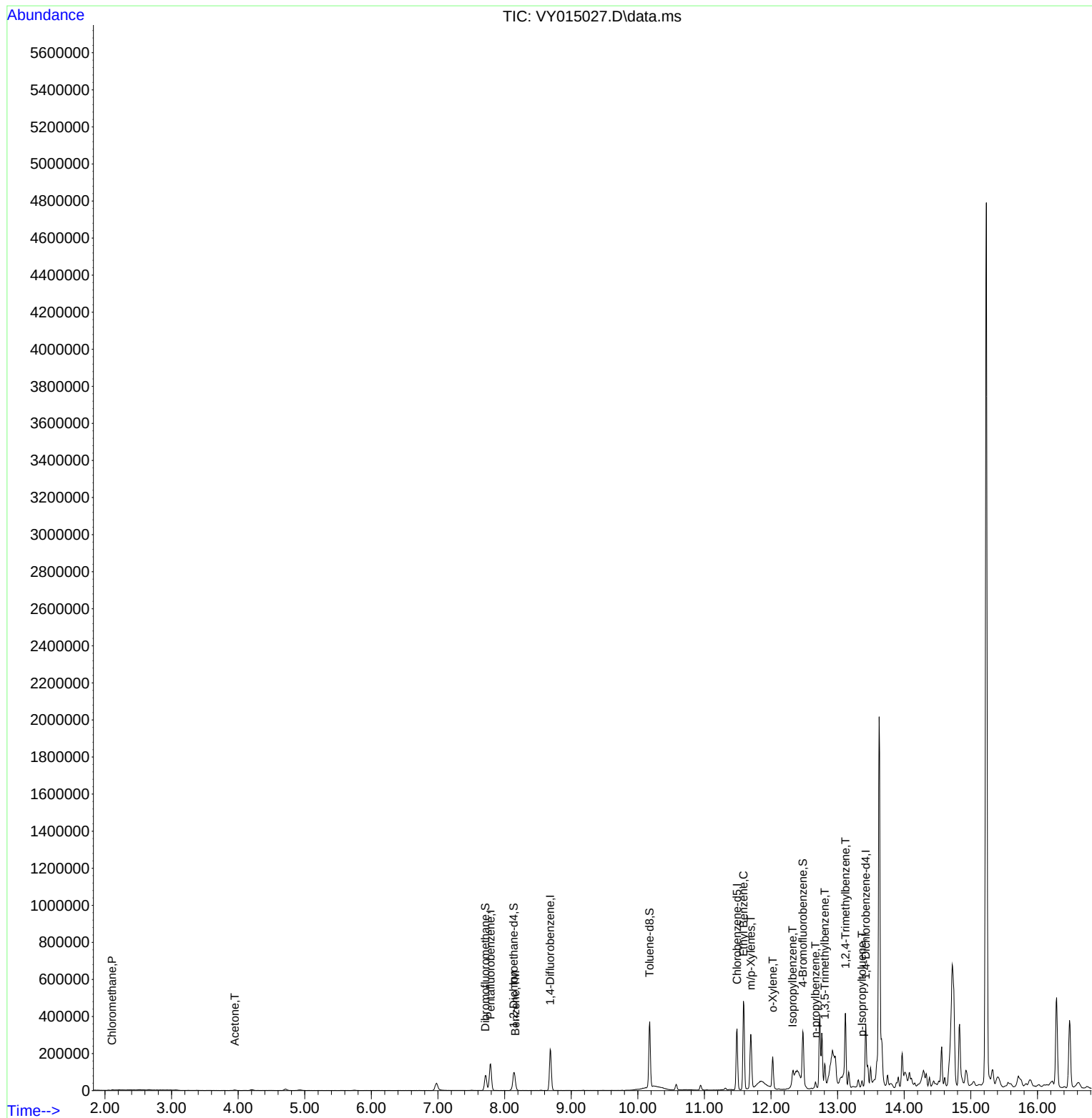
Internal Standards						
1) Pentafluorobenzene	7.789	168	114117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	192390	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	179949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	85809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	65440	47.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.620%
35) Dibromofluoromethane	7.710	113	59672	48.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.000%
50) Toluene-d8	10.179	98	228788	48.857	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.720%
62) 4-Bromofluorobenzene	12.477	95	84838	51.118	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.240%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	990	1.102	ug/l #	87
16) Acetone	3.948	43	4878	11.310	ug/l	100
40) Benzene	8.161	78	28546	6.347	ug/l	99
67) Ethyl Benzene	11.587	91	332655	55.512	ug/l	98
68) m/p-Xylenes	11.697	106	89168	38.897	ug/l	98
69) o-Xylene	12.026	106	45076	20.095	ug/l	94
73) Isopropylbenzene	12.325	105	32153	5.574	ug/l	95
78) n-propylbenzene	12.666	91	23689	3.434	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	53532	11.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	201609	42.333	ug/l	97
86) p-Isopropyltoluene	13.367	119	17289	3.273	ug/l	94

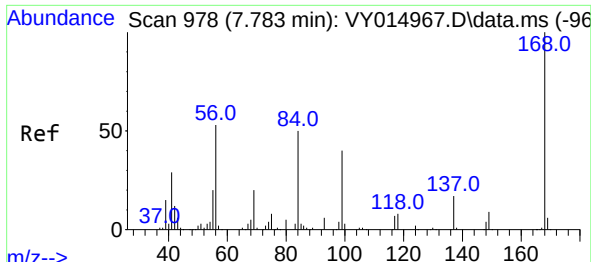
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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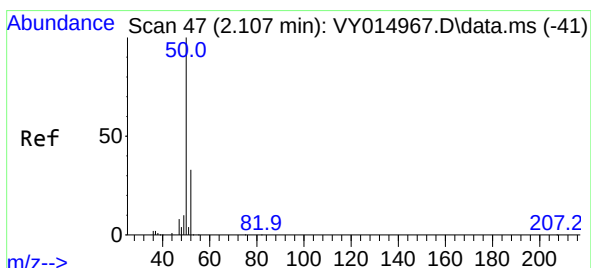
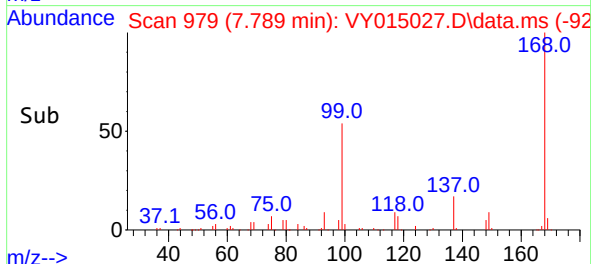
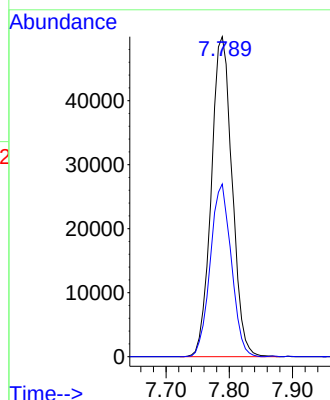
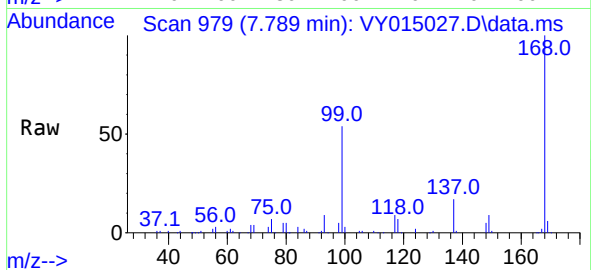




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

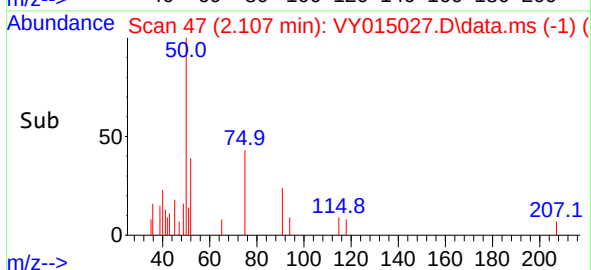
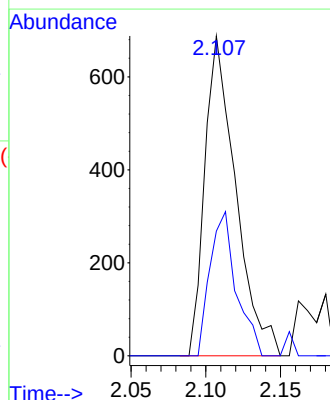
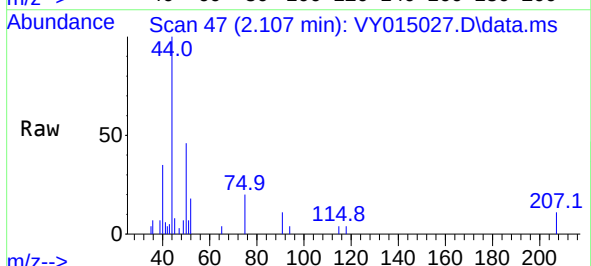
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22RE

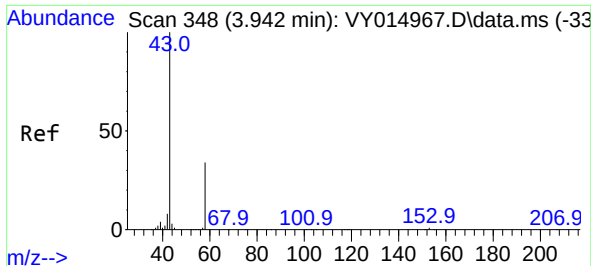
Tgt Ion:168 Resp: 114117
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#3
Chloromethane
Concen: 1.102 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

Tgt Ion: 50 Resp: 990
Ion Ratio Lower Upper
50 100
52 39.0 25.4 38.2#

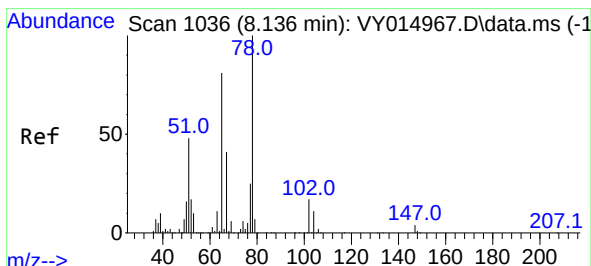
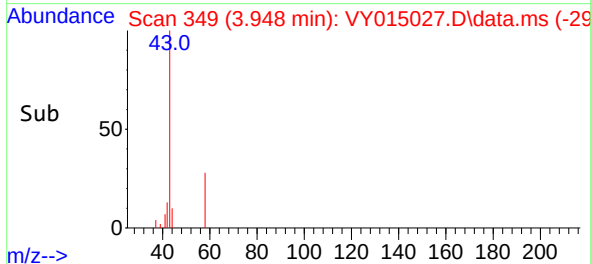
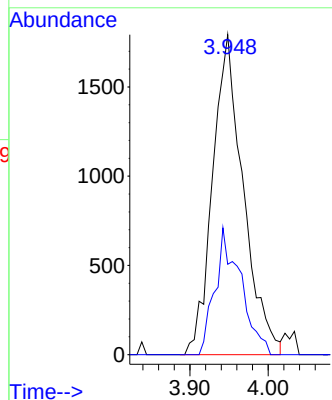
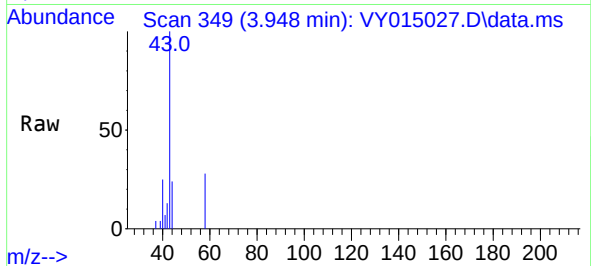




#16
Acetone
Concen: 11.310 ug/l
RT: 3.948 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

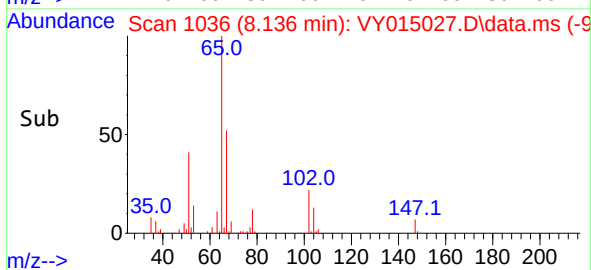
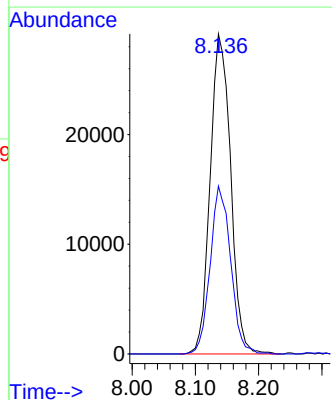
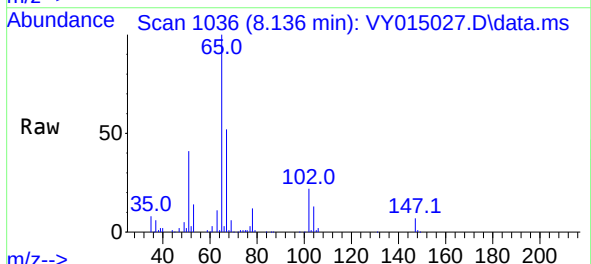
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22RE

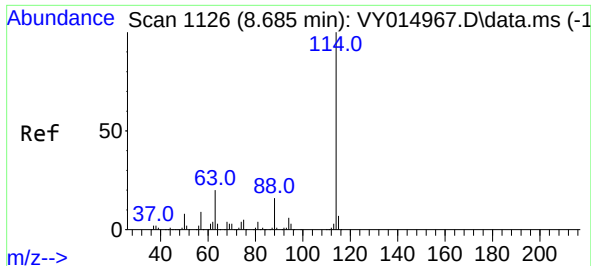
Tgt Ion: 43 Resp: 4878
Ion Ratio Lower Upper
43 100
58 28.2 22.7 34.1



#33
1,2-Dichloroethane-d4
Concen: 47.313 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

Tgt Ion: 65 Resp: 65440
Ion Ratio Lower Upper
65 100
67 52.6 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: VY015027.D

Acq: 10 Aug 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

B-PP22RE

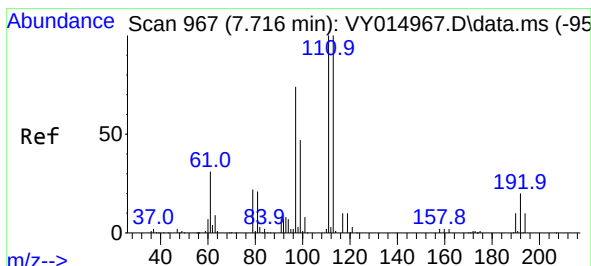
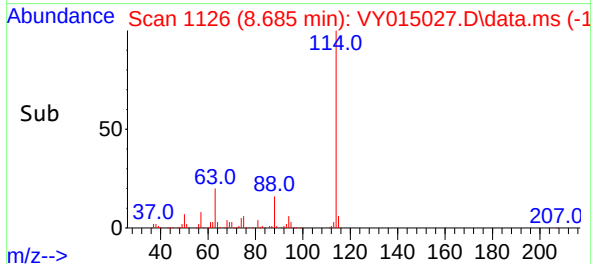
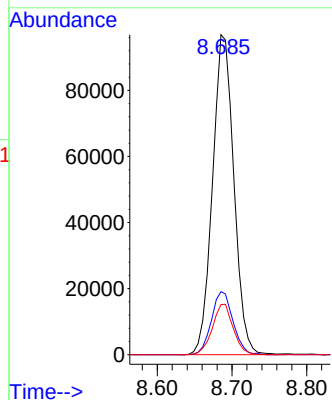
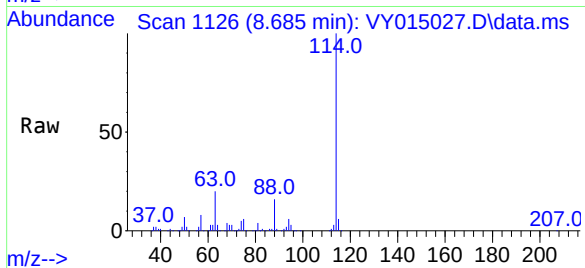
Tgt Ion:114 Resp: 192390

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 48.502 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015027.D

Acq: 10 Aug 2023 15:05

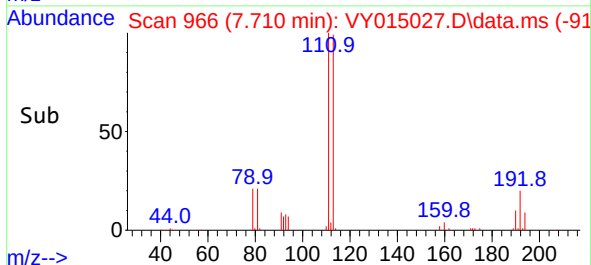
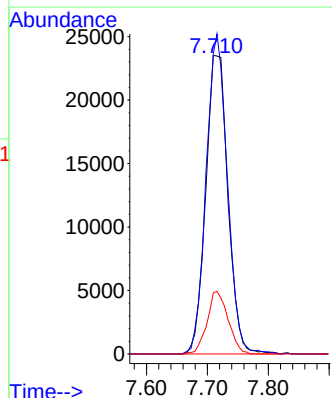
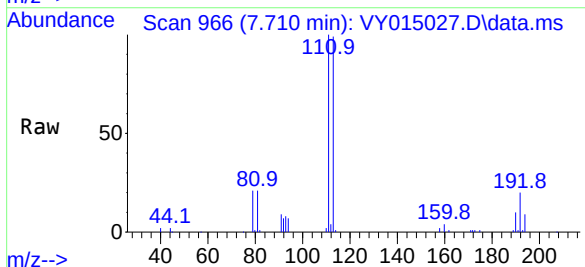
Tgt Ion:113 Resp: 59672

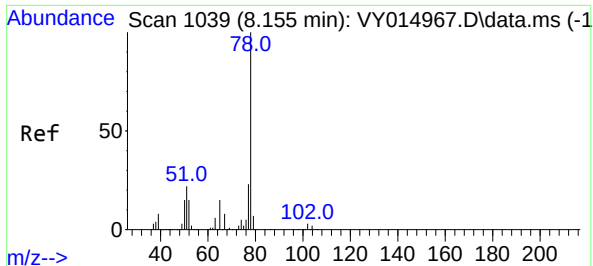
Ion Ratio Lower Upper

113 100

111 102.4 81.3 121.9

192 19.8 16.9 25.3

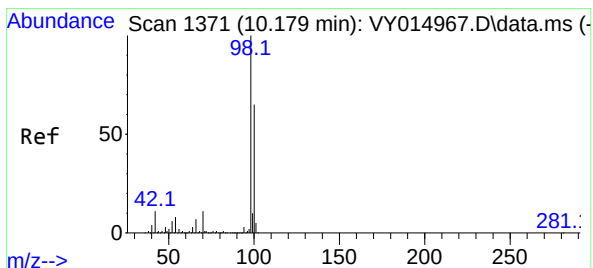
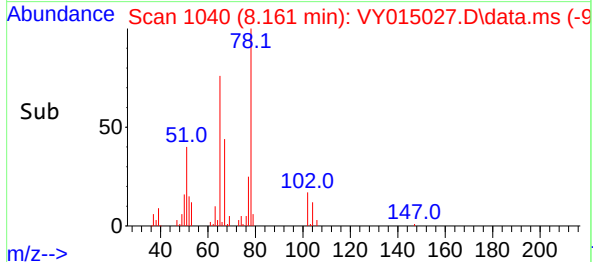
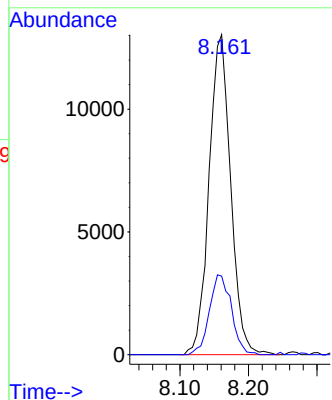
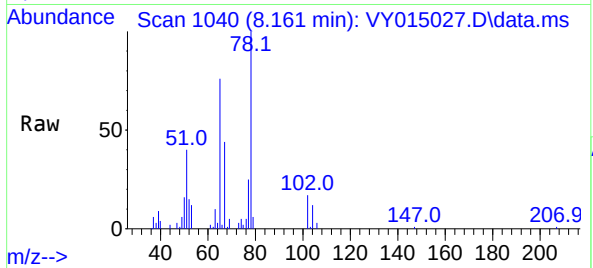




#40
Benzene
Concen: 6.347 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

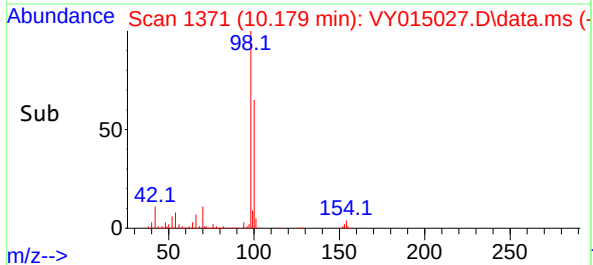
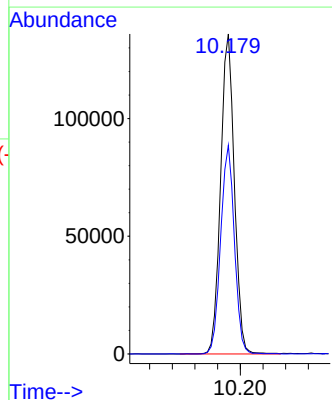
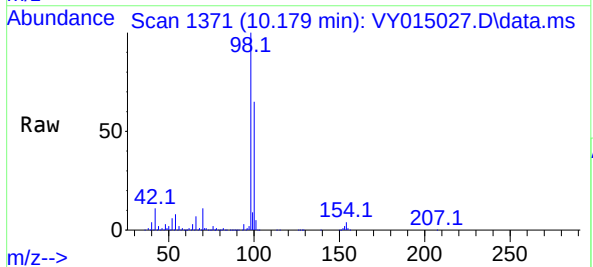
Instrument :
MSVOA_Y
ClientSampleId :
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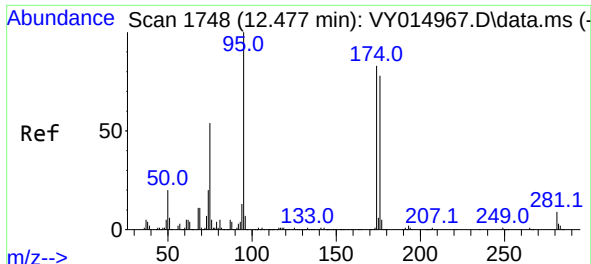
Tgt Ion: 78 Resp: 28546
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6



#50
Toluene-d8
Concen: 48.857 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

Tgt Ion: 98 Resp: 228788
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

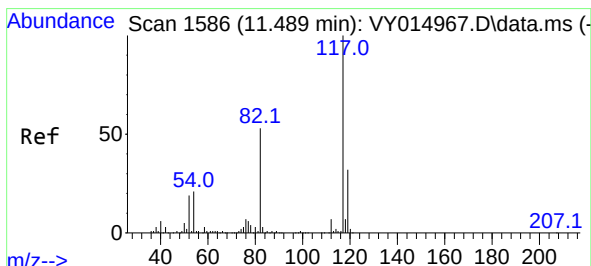
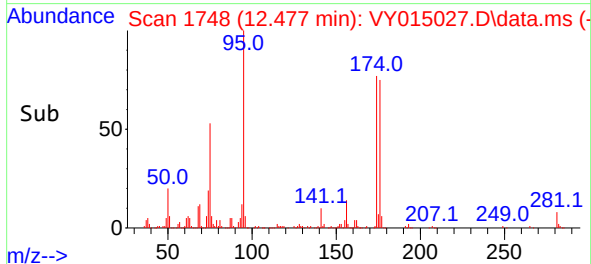
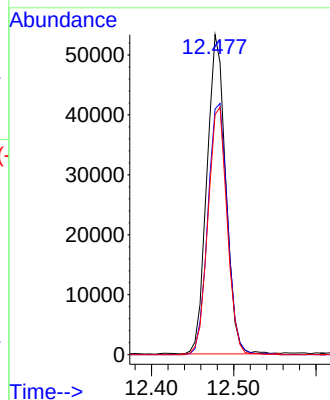
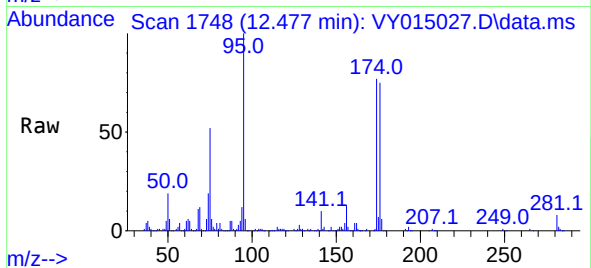




#62
4-Bromofluorobenzene
Concen: 51.118 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

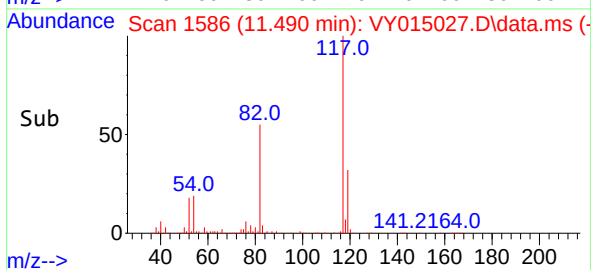
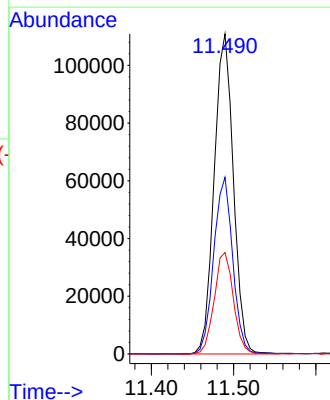
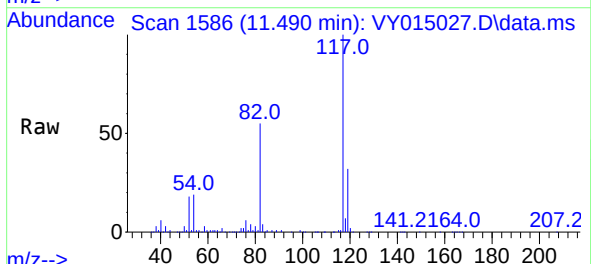
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22RE

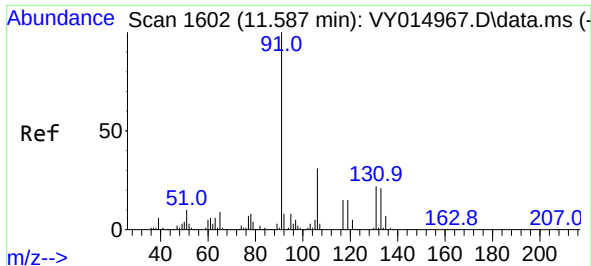
Tgt Ion: 95 Resp: 84838
Ion Ratio Lower Upper
95 100
174 82.3 0.0 178.2
176 78.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

Tgt Ion: 117 Resp: 179949
Ion Ratio Lower Upper
117 100
82 55.1 43.4 65.0
119 31.7 26.3 39.5





#67

Ethyl Benzene

Concen: 55.512 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY015027.D

Acq: 10 Aug 2023 15:05

Instrument :

MSVOA_Y

ClientSampleId :

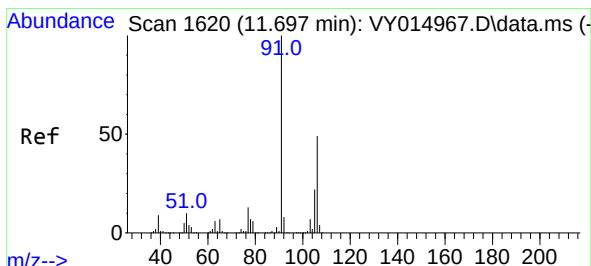
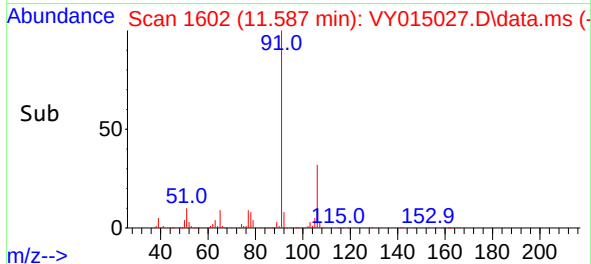
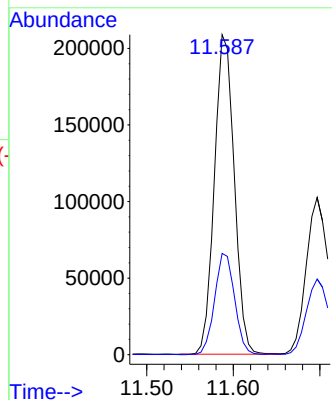
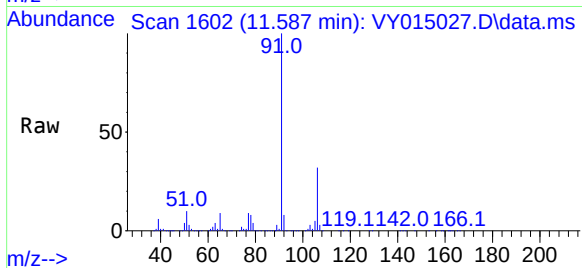
B-PP22RE

Tgt Ion: 91 Resp: 332655

Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8



#68

m/p-Xylenes

Concen: 38.897 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VY015027.D

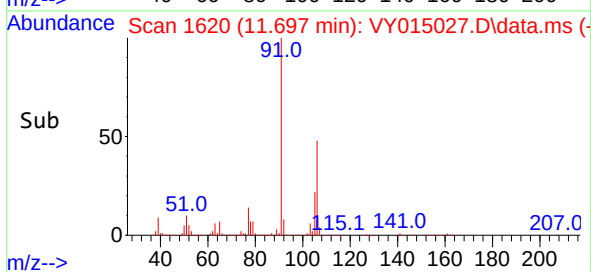
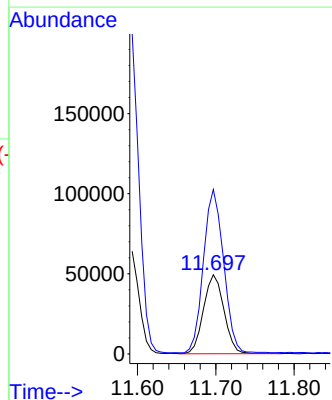
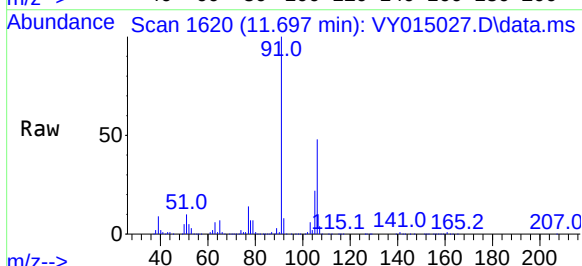
Acq: 10 Aug 2023 15:05

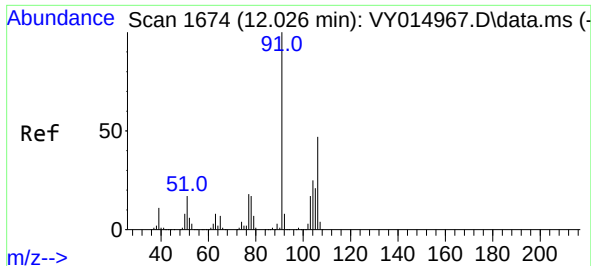
Tgt Ion: 106 Resp: 89168

Ion Ratio Lower Upper

106 100

91 204.4 166.1 249.1

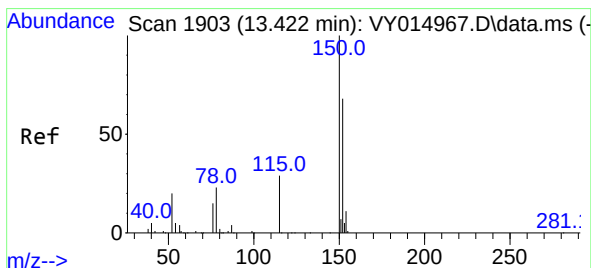
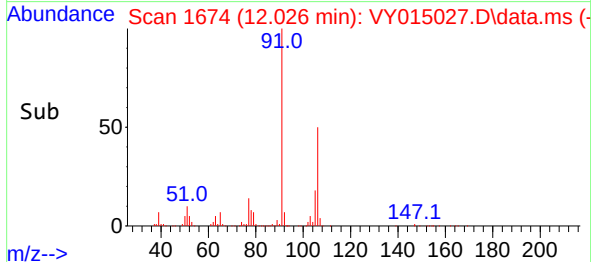
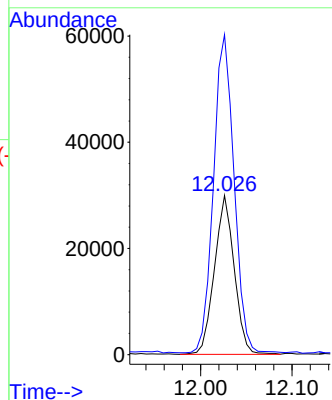
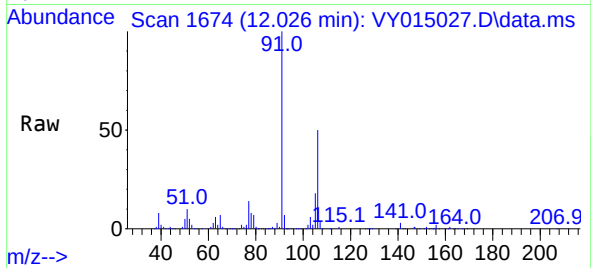




#69
o-Xylene
Concen: 20.095 ug/l
RT: 12.026 min Scan# 106
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

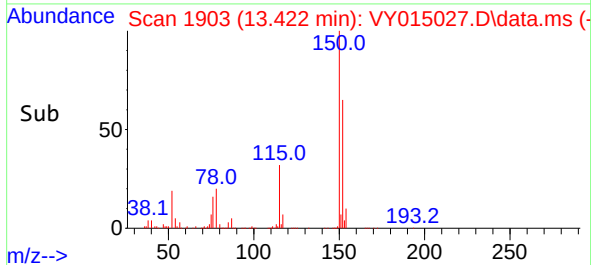
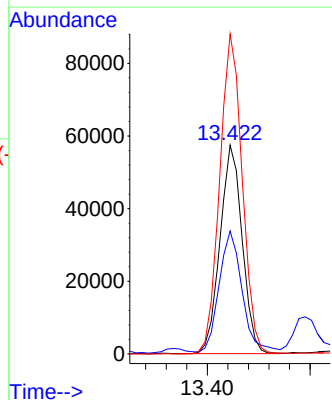
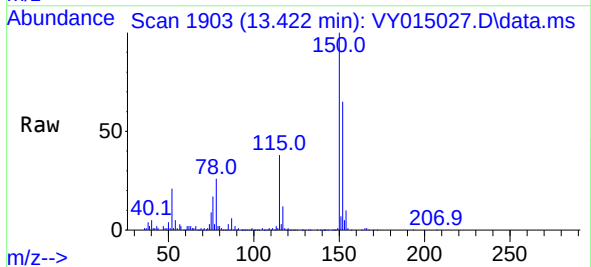
Instrument :
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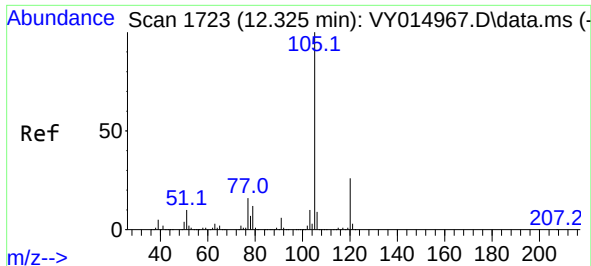
Tgt Ion:106 Resp: 45076
Ion Ratio Lower Upper
106 100
91 206.9 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

Tgt Ion:152 Resp: 85809
Ion Ratio Lower Upper
152 100
115 59.6 28.8 86.5
150 156.4 0.0 348.8

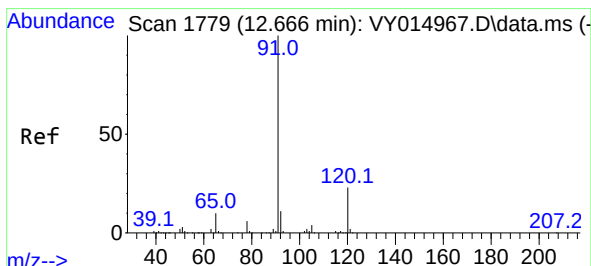
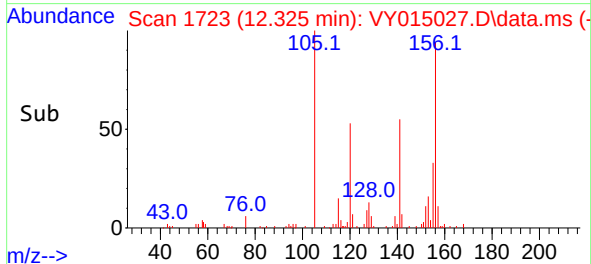
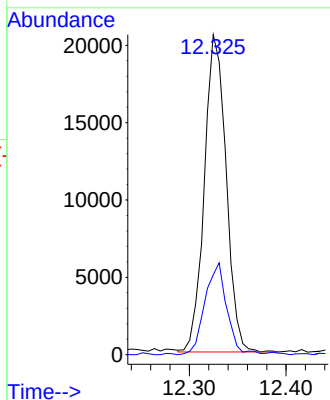
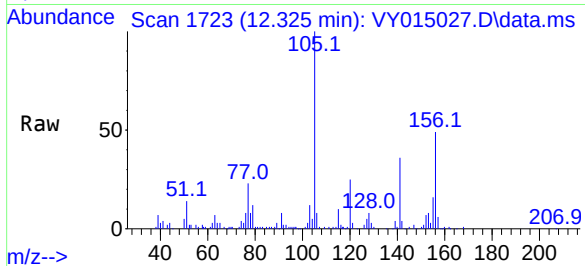




#73
Isopropylbenzene
Concen: 5.574 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

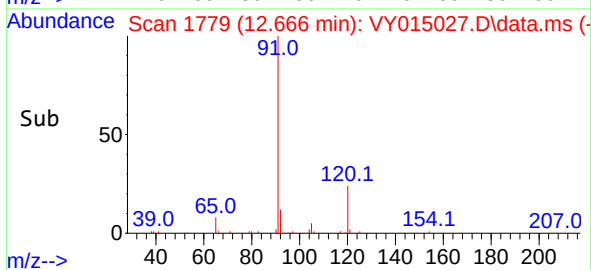
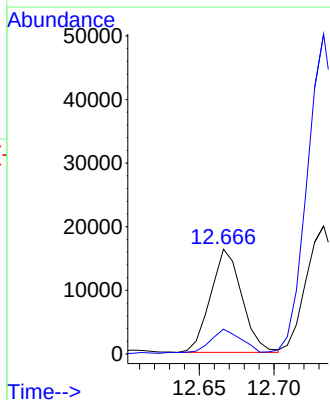
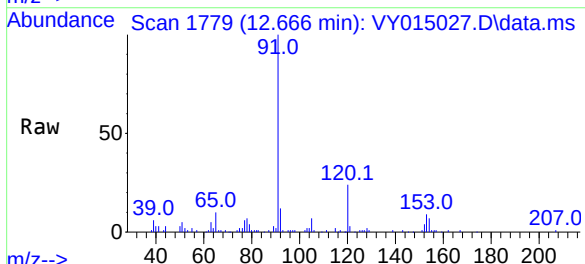
Instrument :
MSVOA_Y
ClientSampleId :
B-PP22RE

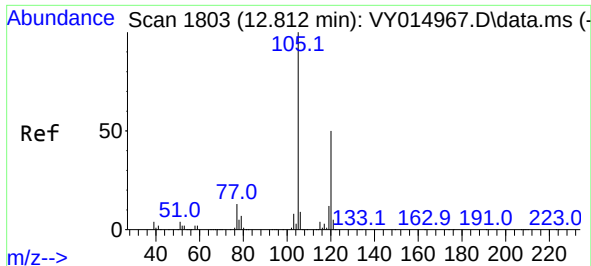
Tgt Ion:105 Resp: 32153
Ion Ratio Lower Upper
105 100
120 29.0 13.3 39.9



#78
n-propylbenzene
Concen: 3.434 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

Tgt Ion: 91 Resp: 23689
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.4

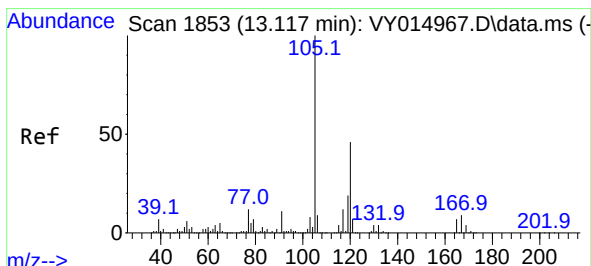
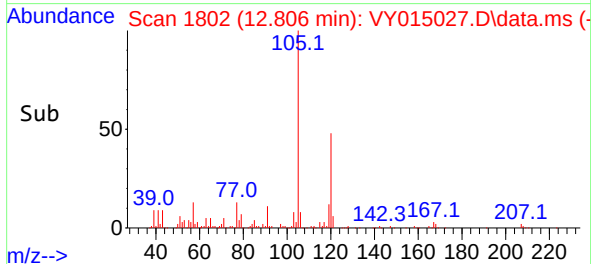
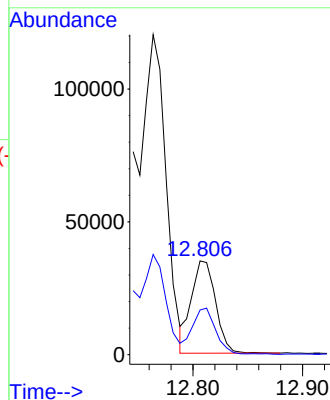
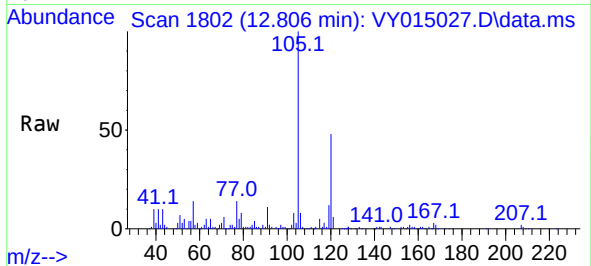




#80
 1,3,5-Trimethylbenzene
 Concen: 11.262 ug/l
 RT: 12.806 min Scan# 1802
 Delta R.T. -0.006 min
 Lab File: VY015027.D
 Acq: 10 Aug 2023 15:05

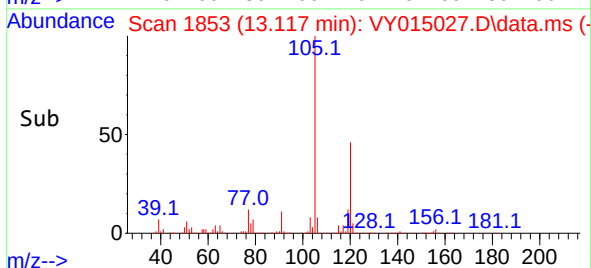
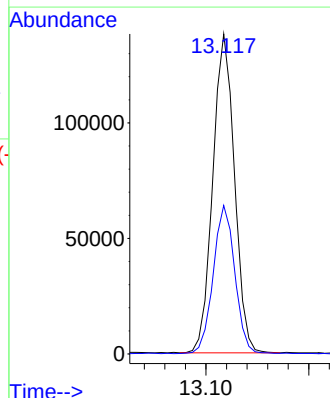
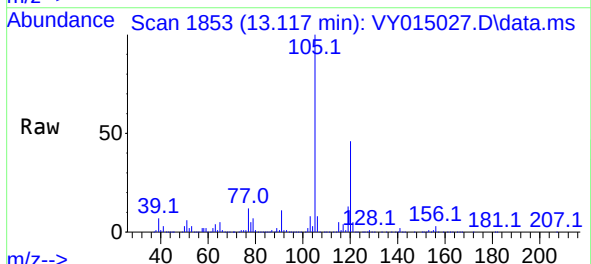
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP22RE

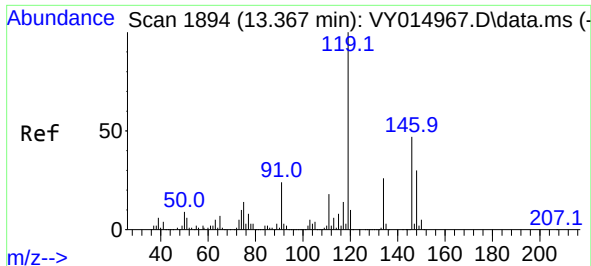
Tgt Ion:105 Resp: 53532
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.9 71.7



#84
 1,2,4-Trimethylbenzene
 Concen: 42.333 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VY015027.D
 Acq: 10 Aug 2023 15:05

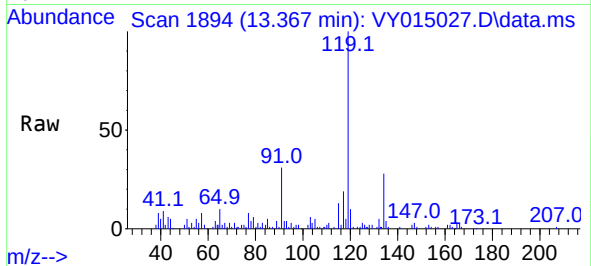
Tgt Ion:105 Resp: 201609
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.2 66.6





#86
p-Isopropyltoluene
Concen: 3.273 ug/l
RT: 13.367 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015027.D
Acq: 10 Aug 2023 15:05

Instrument :
MSVOA_Y
ClientSampleId :
B-PP22RE



Tgt Ion:	119	Resp:	17289
Ion	Ratio	Lower	Upper
119	100		
134	27.7	13.3	39.8
91	29.8	12.4	37.4

