

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015028.D
 Acq On : 10 Aug 2023 15:28
 Operator : SY/MD
 Sample : 03956-02
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP23A

Quant Time: Aug 11 01:56:36 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)

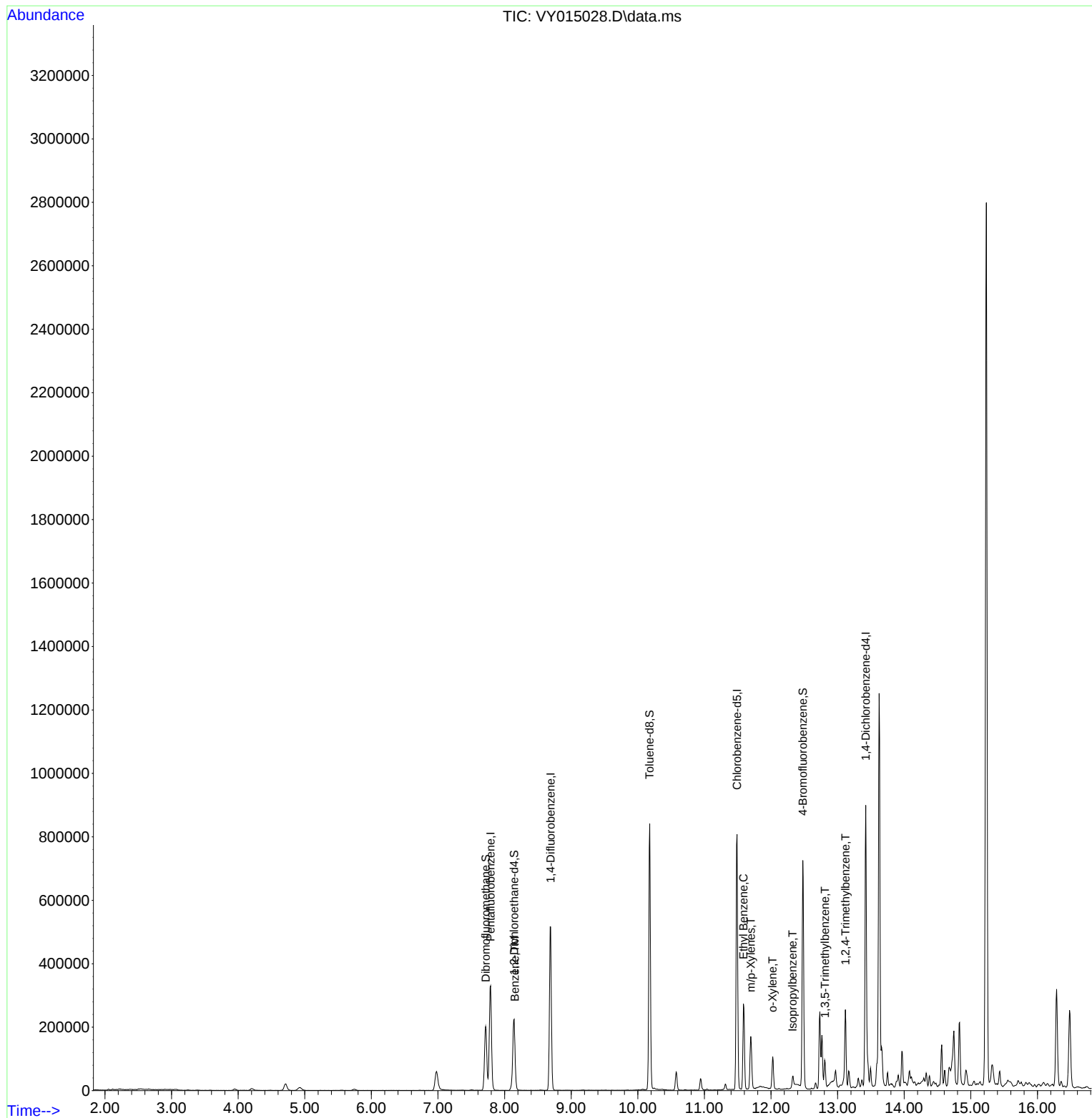
Internal Standards						
1) Pentafluorobenzene	7.789	168	262447	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	451268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	438614	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	218968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	167918	52.789	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.580%	
35) Dibromofluoromethane	7.715	113	143405	49.694	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.380%	
50) Toluene-d8	10.178	98	534046	48.621	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.240%	
62) 4-Bromofluorobenzene	12.477	95	211642	54.366	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.740%	
Target Compounds						
					Qvalue	
40) Benzene	8.154	78	15932	1.510	ug/l	98
67) Ethyl Benzene	11.587	91	189847	12.998	ug/l	100
68) m/p-Xylenes	11.696	106	51433	9.205	ug/l	96
69) o-Xylene	12.026	106	26604	4.866	ug/l	100
73) Isopropylbenzene	12.324	105	21426	1.456	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	34001	2.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	129053	10.619	ug/l	99

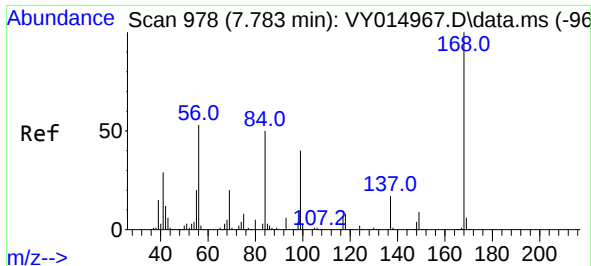
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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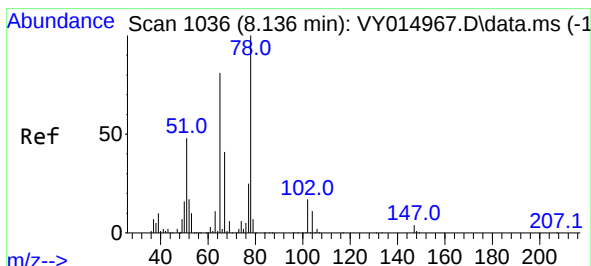
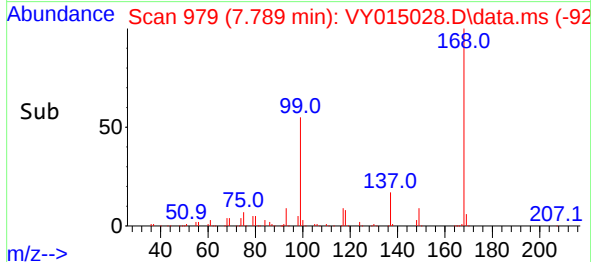
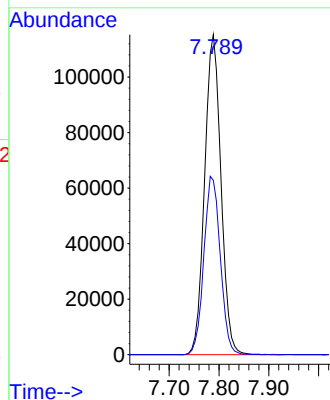
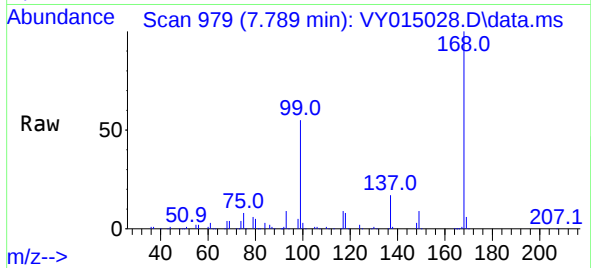




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

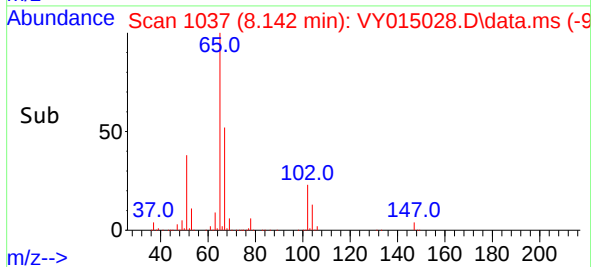
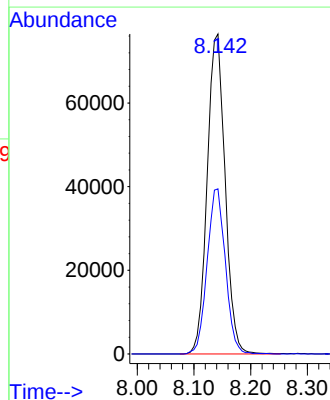
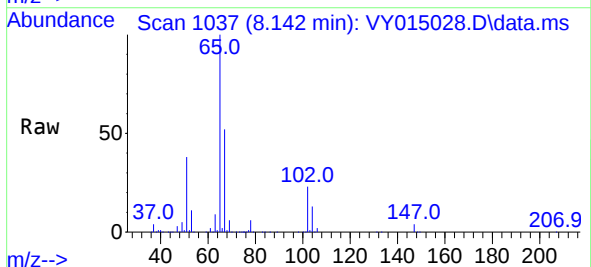
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

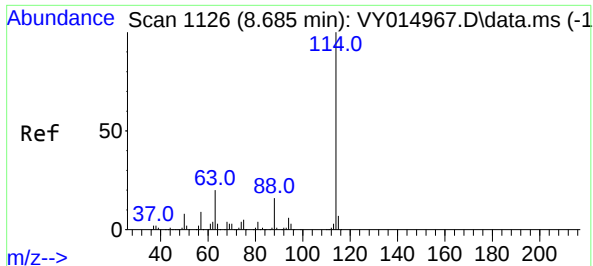
Tgt Ion:168 Resp: 262447
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 52.789 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

Tgt Ion: 65 Resp: 167918
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015028.D

Acq: 10 Aug 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

B-PP23A

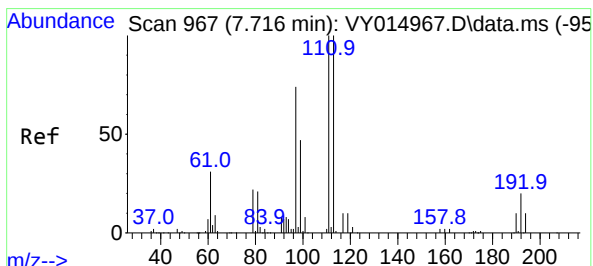
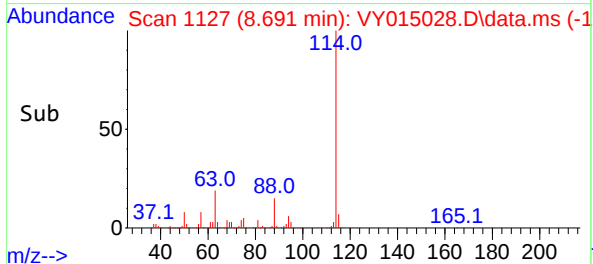
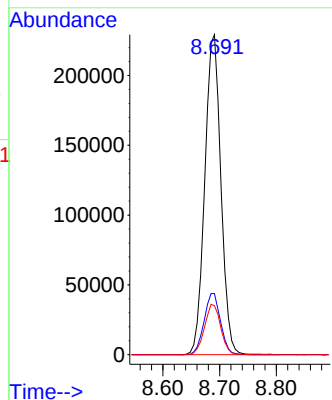
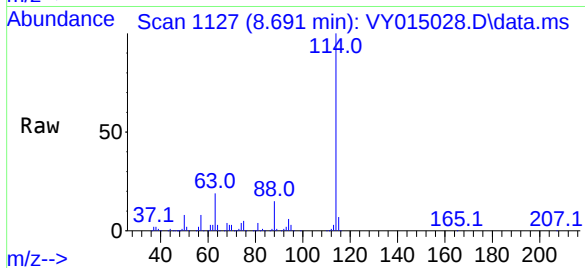
Tgt Ion:114 Resp: 451268

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.694 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015028.D

Acq: 10 Aug 2023 15:28

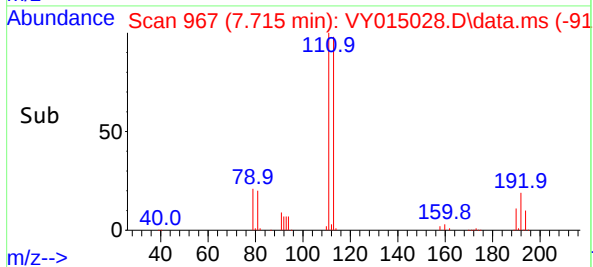
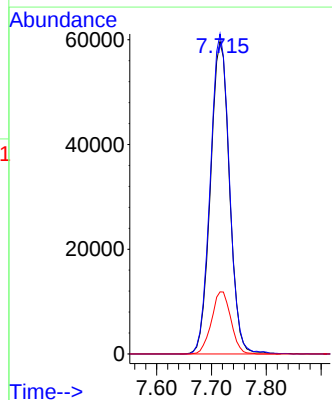
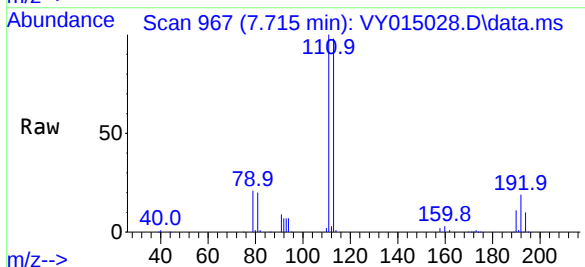
Tgt Ion:113 Resp: 143405

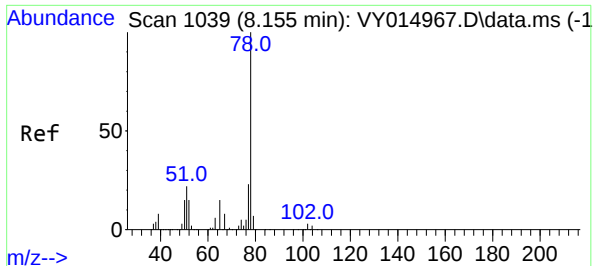
Ion Ratio Lower Upper

113 100

111 103.0 81.3 121.9

192 20.3 16.9 25.3

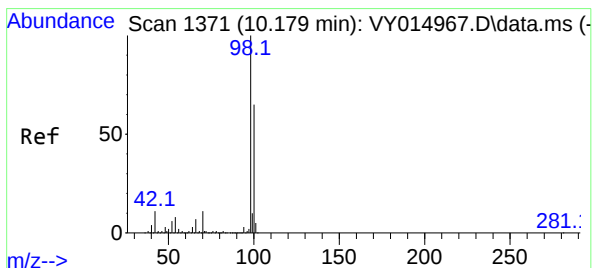
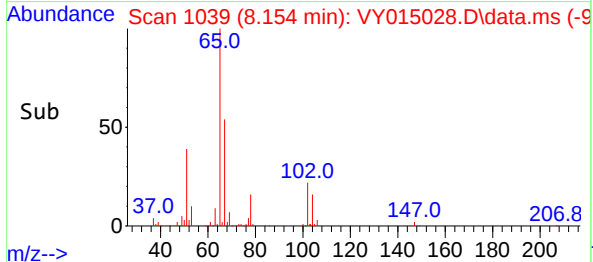
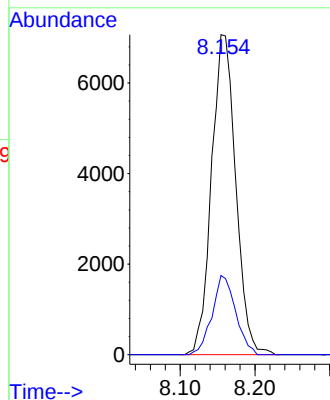
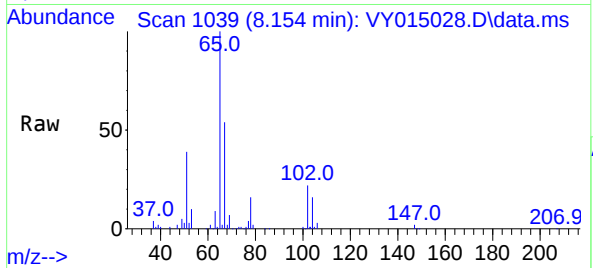




#40
Benzene
Concen: 1.510 ug/l
RT: 8.154 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

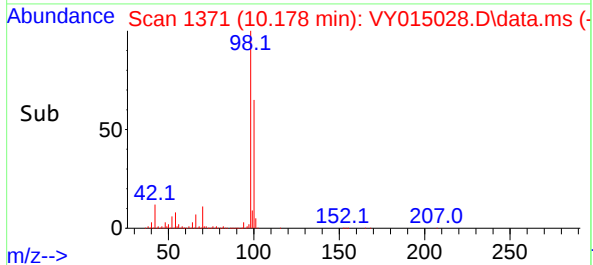
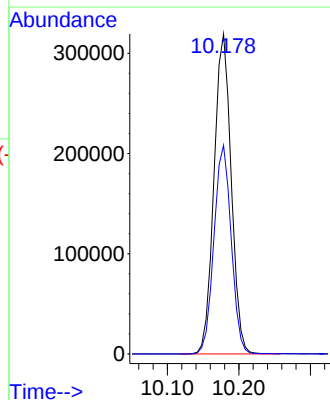
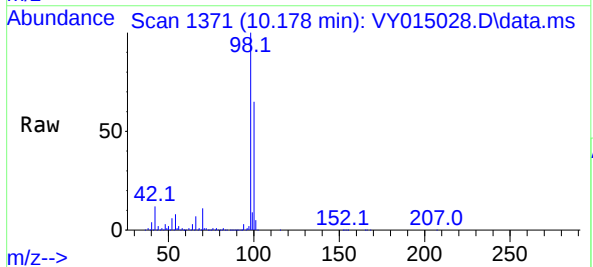
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

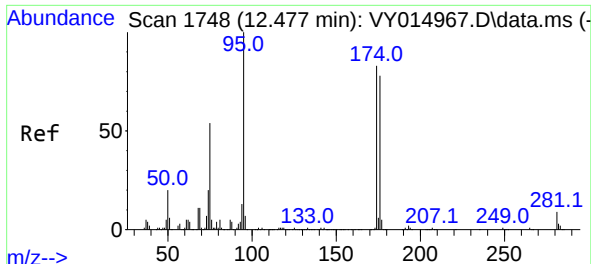
Tgt Ion: 78 Resp: 15932
Ion Ratio Lower Upper
78 100
77 24.8 19.0 28.6



#50
Toluene-d8
Concen: 48.621 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

Tgt Ion: 98 Resp: 534046
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1

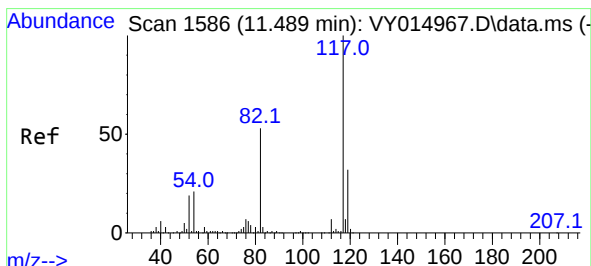
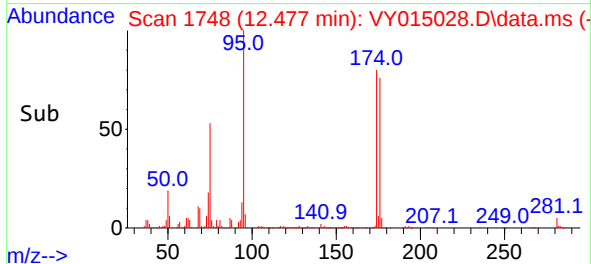
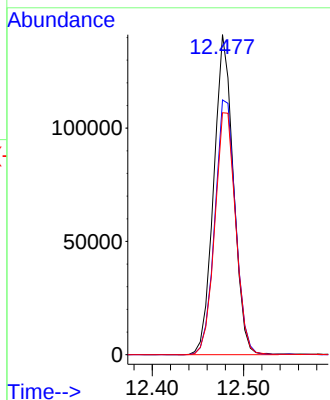
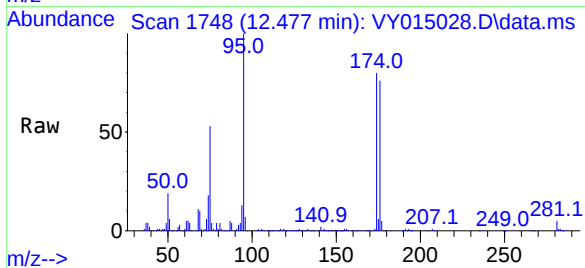




#62
4-Bromofluorobenzene
Concen: 54.366 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

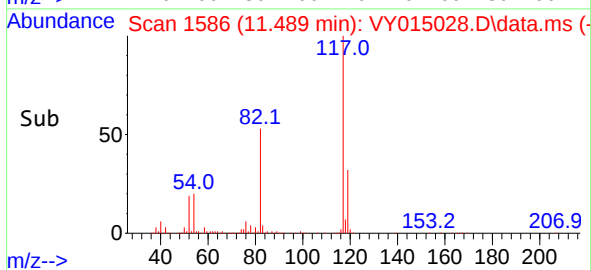
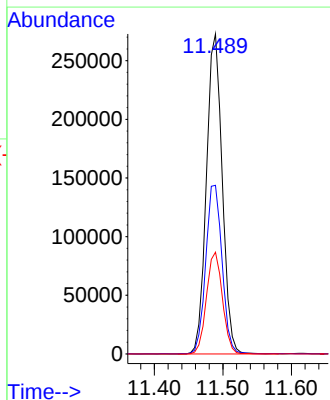
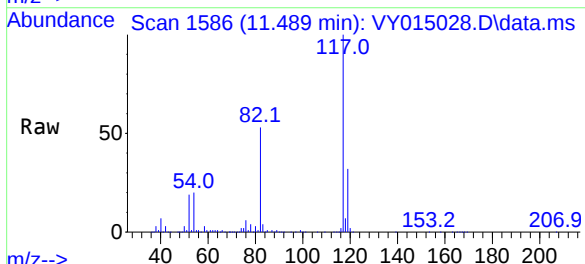
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

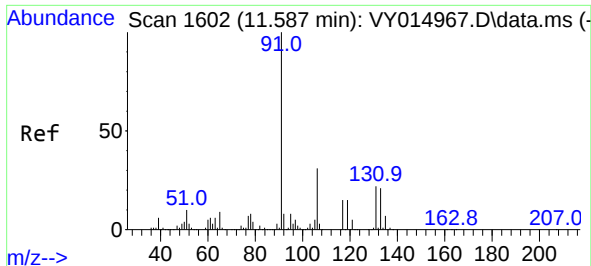
Tgt Ion: 95 Resp: 211642
Ion Ratio Lower Upper
95 100
174 83.4 0.0 178.2
176 80.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

Tgt Ion: 117 Resp: 438614
Ion Ratio Lower Upper
117 100
82 52.7 43.4 65.0
119 31.8 26.3 39.5





#67

Ethyl Benzene

Concen: 12.998 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY015028.D

Acq: 10 Aug 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

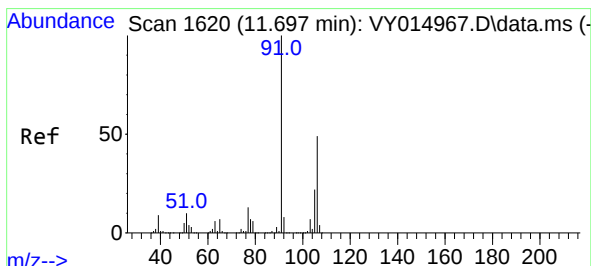
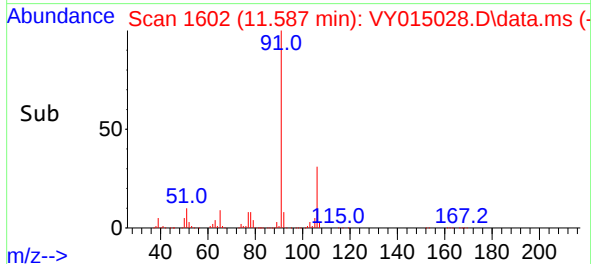
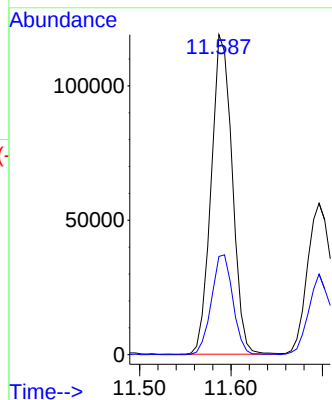
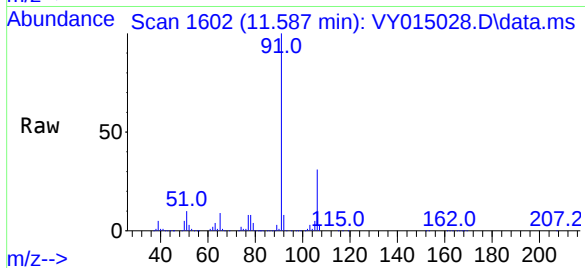
B-PP23A

Tgt Ion: 91 Resp: 189847

Ion Ratio Lower Upper

91 100

106 30.8 24.6 36.8



#68

m/p-Xylenes

Concen: 9.205 ug/l

RT: 11.696 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY015028.D

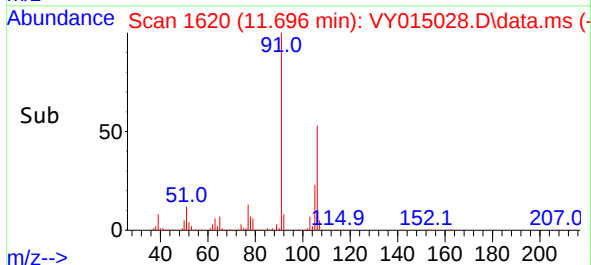
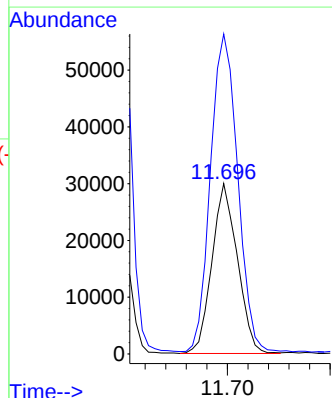
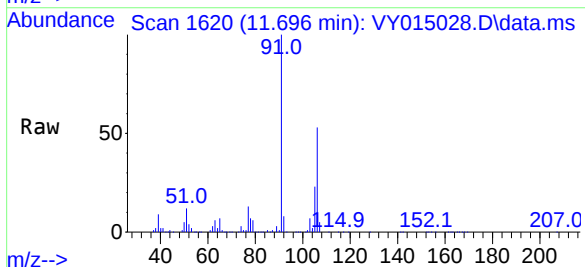
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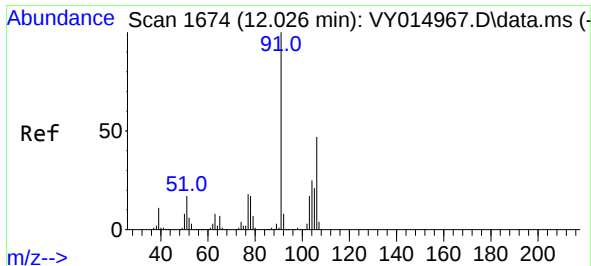
Tgt Ion: 106 Resp: 51433

Ion Ratio Lower Upper

106 100

91 200.6 166.1 249.1

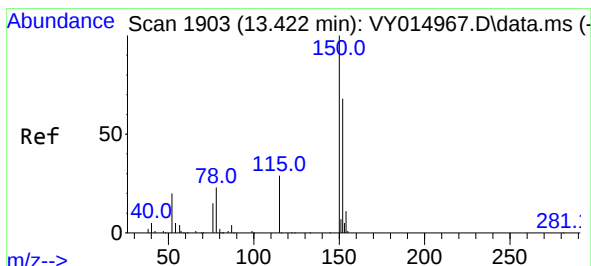
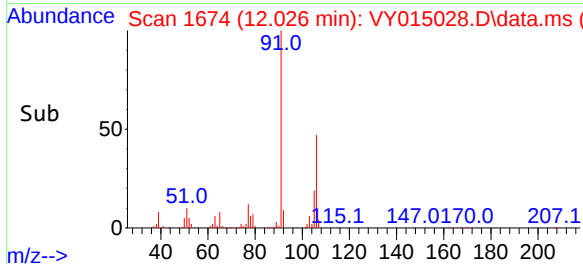
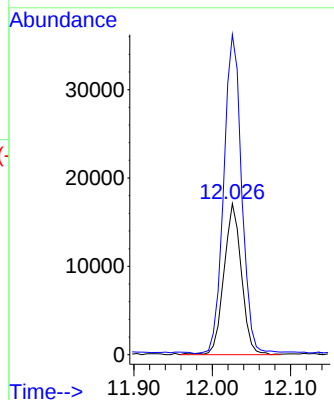
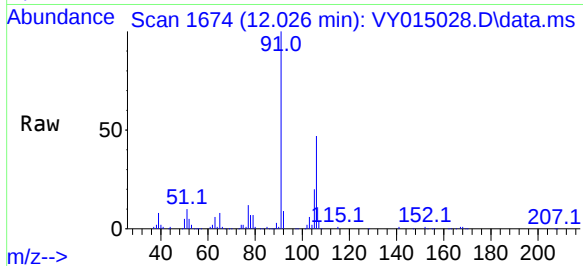




#69
o-Xylene
Concen: 4.866 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

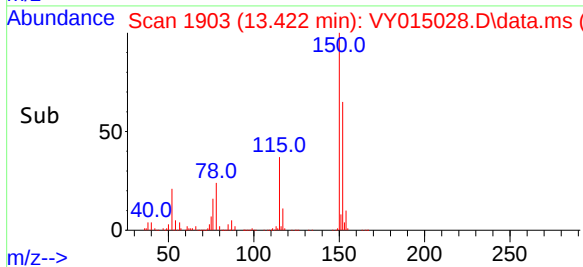
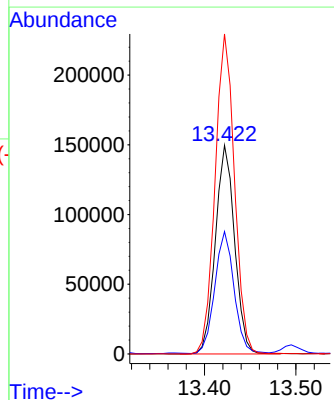
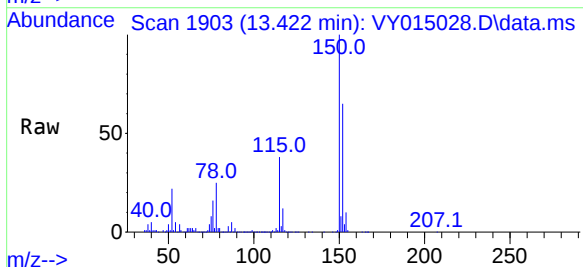
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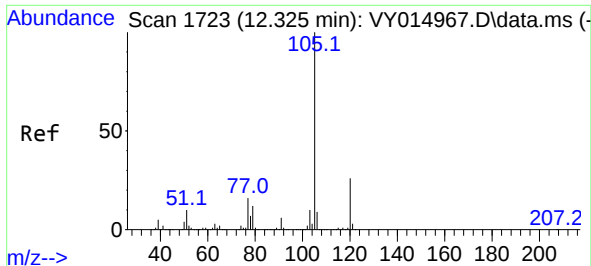
Tgt Ion:106 Resp: 26604
Ion Ratio Lower Upper
106 100
91 216.2 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

Tgt Ion:152 Resp: 218968
Ion Ratio Lower Upper
152 100
115 58.6 28.8 86.5
150 154.9 0.0 348.8

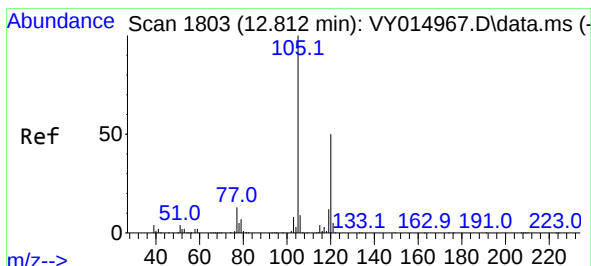
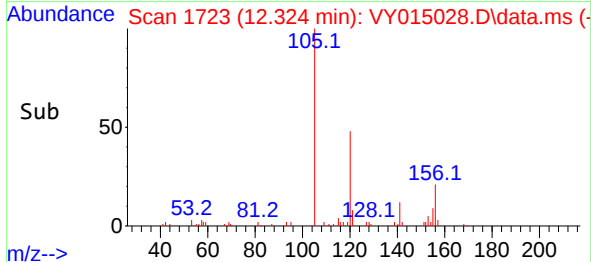
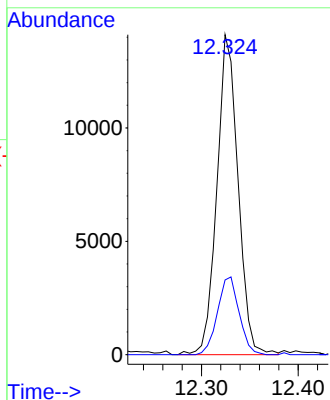
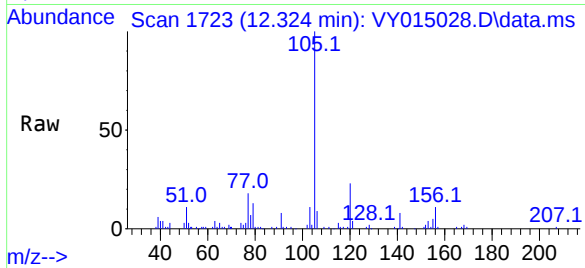




#73
Isopropylbenzene
Concen: 1.456 ug/l
RT: 12.324 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

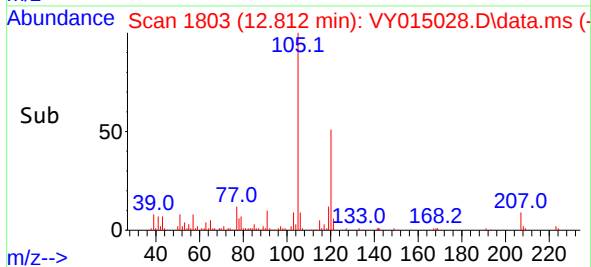
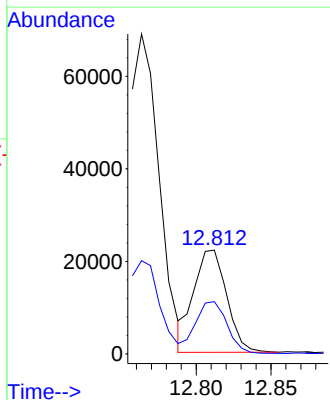
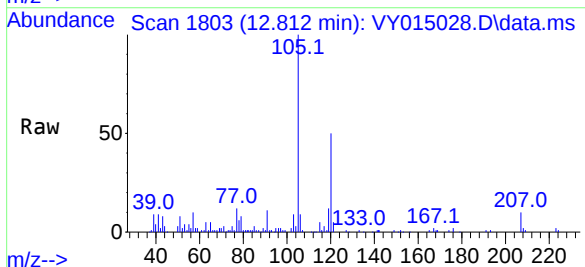
Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

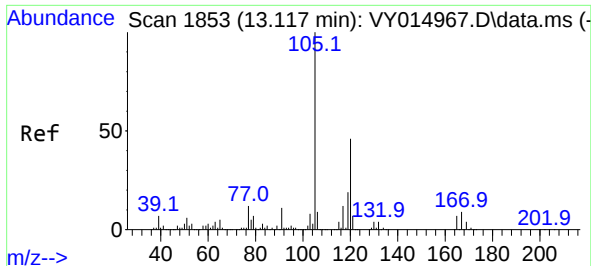
Tgt Ion:105 Resp: 21426
Ion Ratio Lower Upper
105 100
120 24.9 13.3 39.9



#80
1,3,5-Trimethylbenzene
Concen: 2.803 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

Tgt Ion:105 Resp: 34001
Ion Ratio Lower Upper
105 100
120 48.7 23.9 71.7





#84
1,2,4-Trimethylbenzene
Concen: 10.619 ug/l
RT: 13.117 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015028.D
Acq: 10 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :
B-PP23A

Tgt Ion:105 Resp: 129053
Ion Ratio Lower Upper
105 100
120 45.0 22.2 66.6

