

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100223\
 Data File : VY015792.D
 Acq On : 02 Oct 2023 21:22
 Operator : SY/MD
 Sample : 04685-04
 Misc : 4.85g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PP-20230928-B4A-13-15

Quant Time: Oct 03 01:30:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

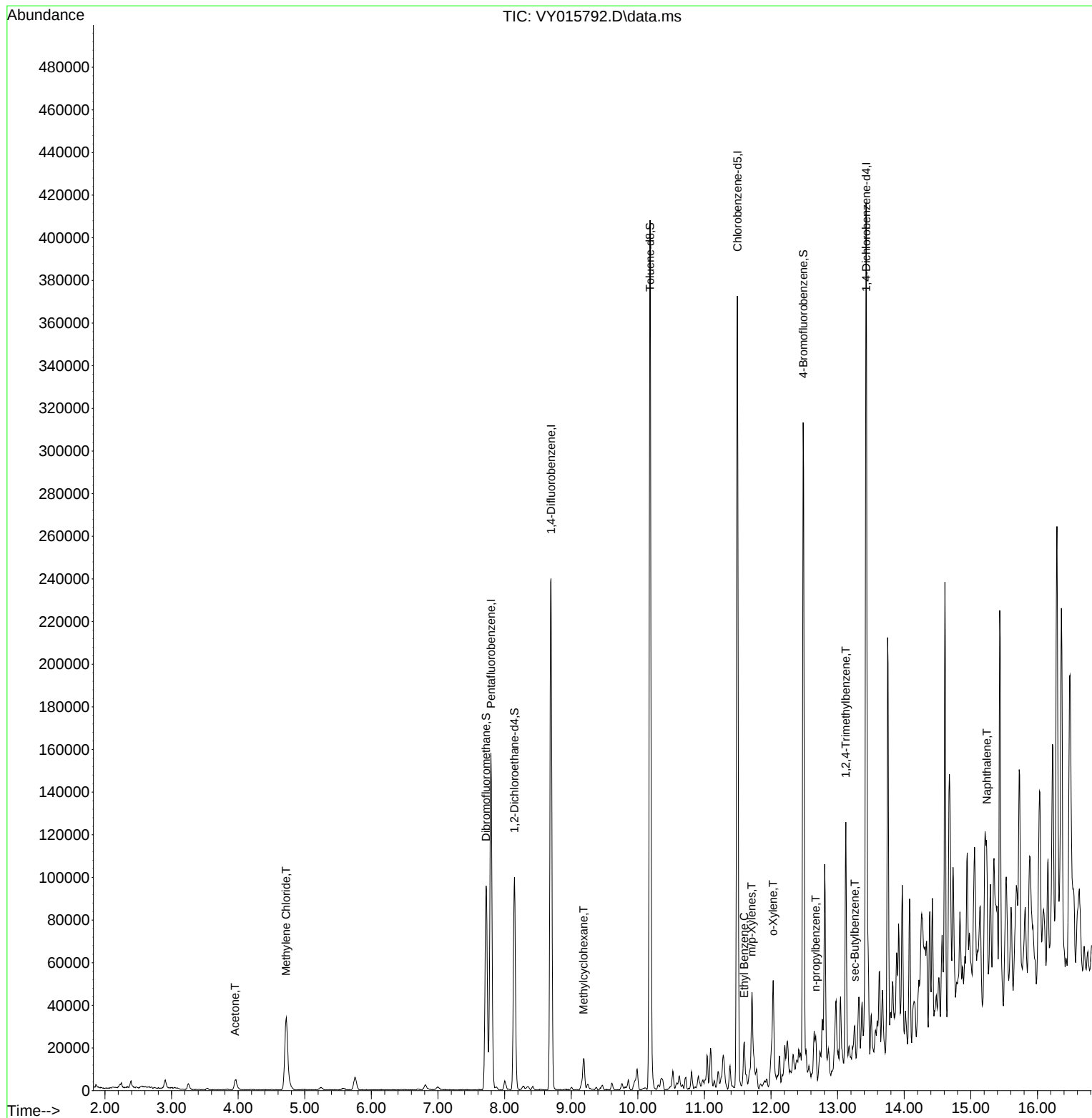
Internal Standards						
1) Pentafluorobenzene	7.795	168	119849	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	211668	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	202568	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	97030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	76987	58.382	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.760%	
35) Dibromofluoromethane	7.721	113	68931	54.409	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.820%	
50) Toluene-d8	10.184	98	256548	59.723	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 119.440%	
62) 4-Bromofluorobenzene	12.483	95	88314	52.389	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.780%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	8910	12.626	ug/l	97
20) Methylene Chloride	4.716	84	25589	12.973	ug/l #	87
39) Methylcyclohexane	9.185	83	6119	2.953	ug/l	98
67) Ethyl Benzene	11.599	91	13599	1.760	ug/l	99
68) m/p-Xylenes	11.709	106	6040	2.056	ug/l	96
69) o-Xylene	12.032	106	11416	3.963	ug/l	97
78) n-propylbenzene	12.672	91	14428	1.632	ug/l	97
84) 1,2,4-Trimethylbenzene	13.123	105	57184	9.379	ug/l	99
85) sec-Butylbenzene	13.257	105	9234	1.156	ug/l	89
95) Naphthalene	15.238	128	48891	9.102	ug/l	97

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

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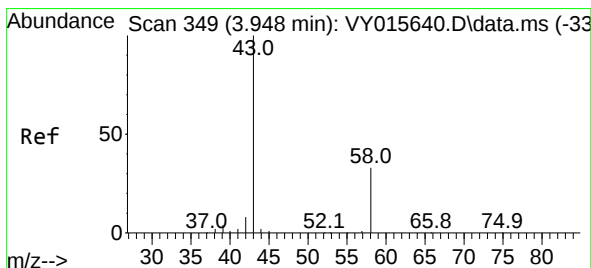
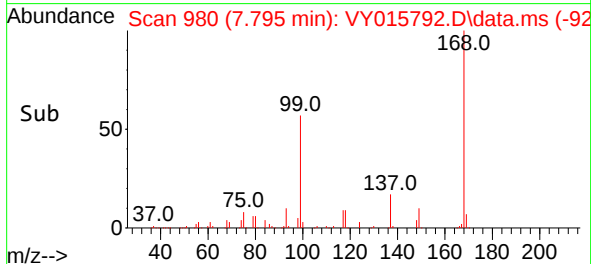
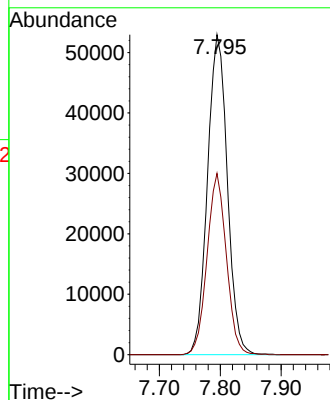
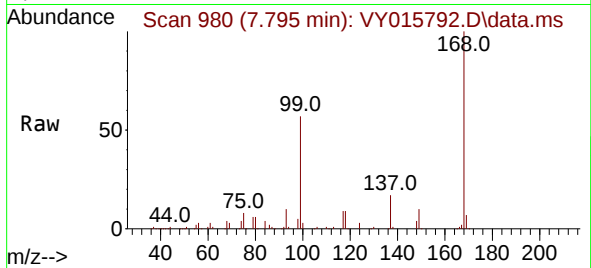




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

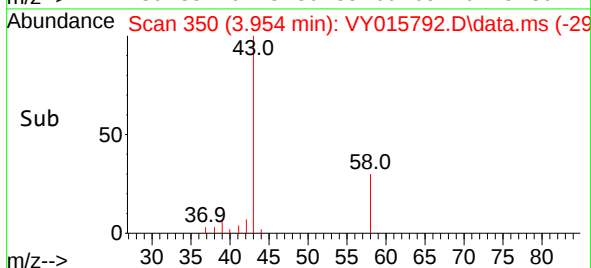
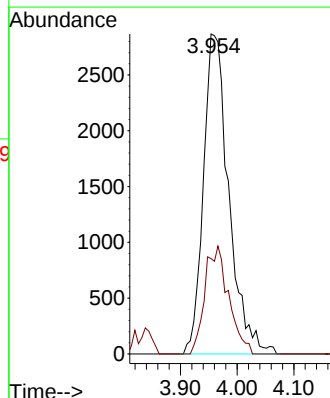
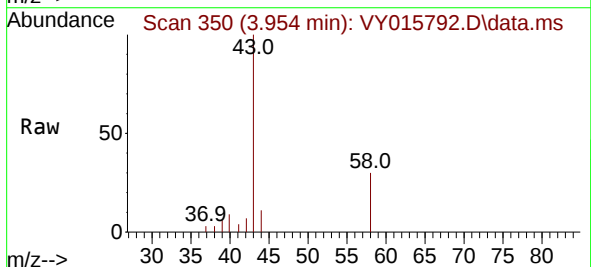
Instrument :
MSVOA_Y
ClientSampleId :
PP-20230928-B4A-13-15

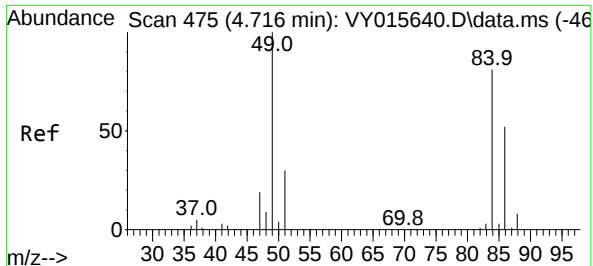
Tgt Ion:168 Resp: 119849
Ion Ratio Lower Upper
168 100
99 56.6 43.4 65.0



#16
Acetone
Concen: 12.626 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion: 43 Resp: 8910
Ion Ratio Lower Upper
43 100
58 29.8 22.7 34.1

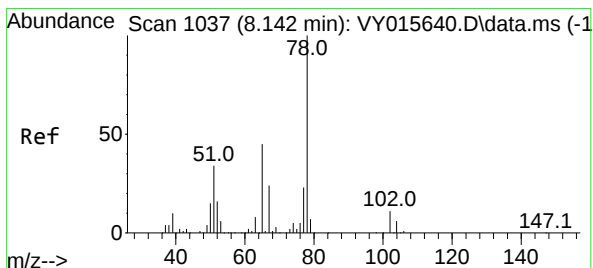
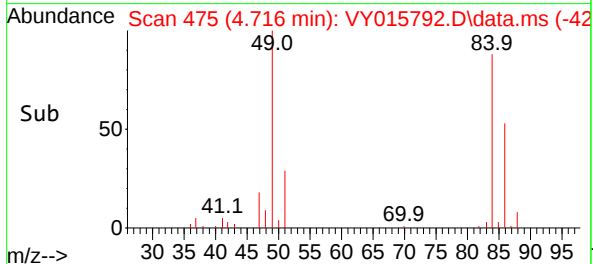
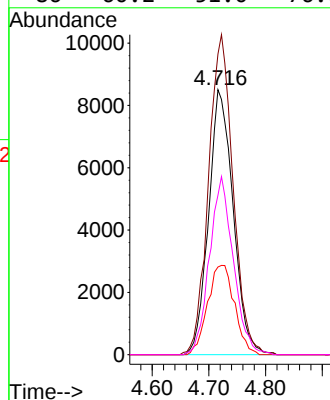
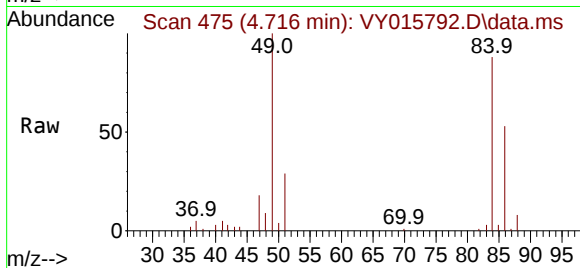




#20
Methylene Chloride
Concen: 12.973 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

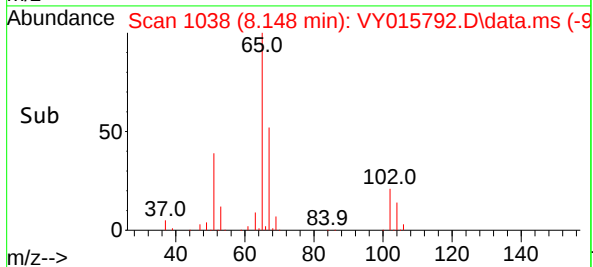
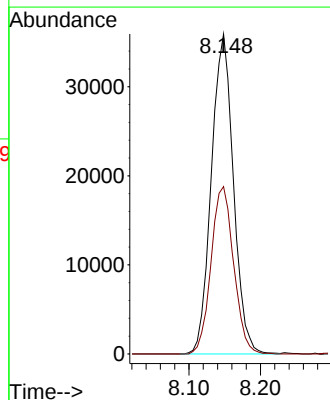
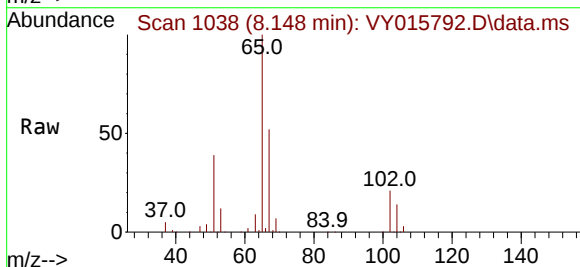
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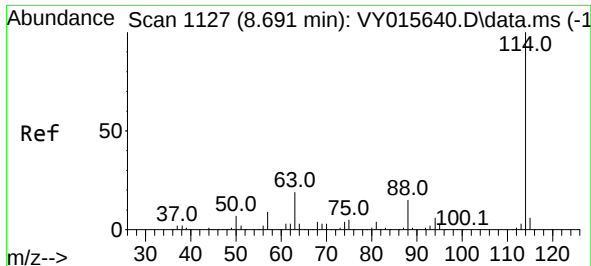
Tgt Ion:	84	Resp:	25589
Ion	Ratio	Lower	Upper
84	100		
49	113.5	106.9	160.3
51	33.1	33.2	49.8#
86	60.2	51.0	76.6



#33
1,2-Dichloroethane-d4
Concen: 58.382 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. 0.012 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion:	65	Resp:	76987
Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

MSVOA_Y

ClientSampleId :

PP-20230928-B4A-13-15

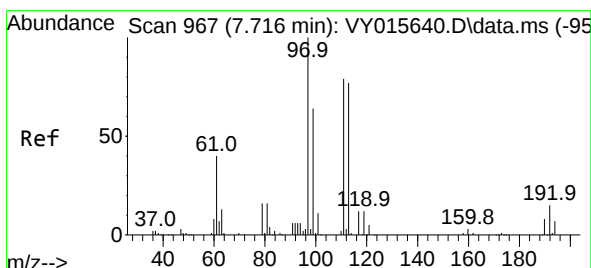
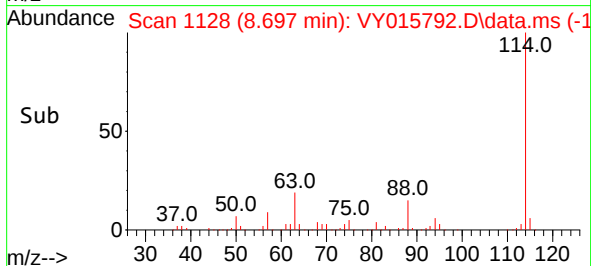
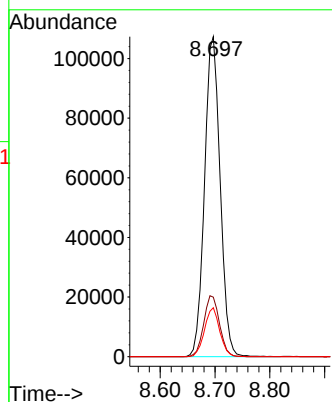
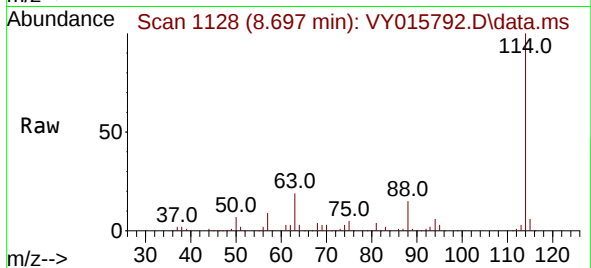
Tgt Ion:114 Resp: 211668

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.409 ug/l

RT: 7.721 min Scan# 968

Delta R.T. 0.005 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

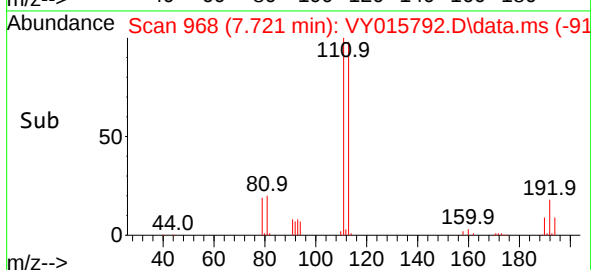
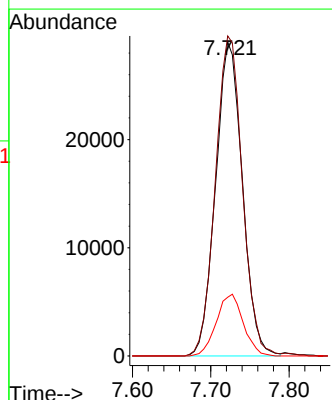
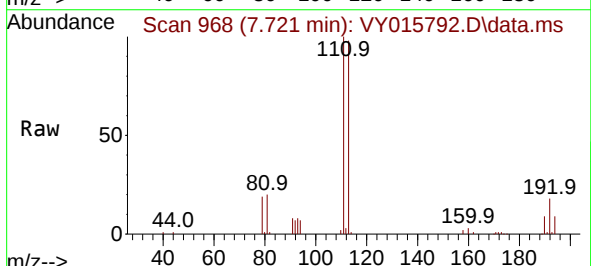
Tgt Ion:113 Resp: 68931

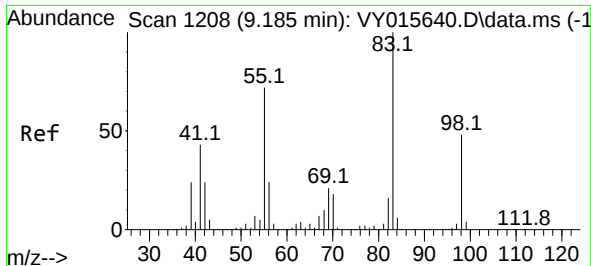
Ion Ratio Lower Upper

113 100

111 102.5 81.3 121.9

192 19.8 16.9 25.3





#39

Methylcyclohexane

Concen: 2.953 ug/l

RT: 9.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

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PP-20230928-B4A-13-15

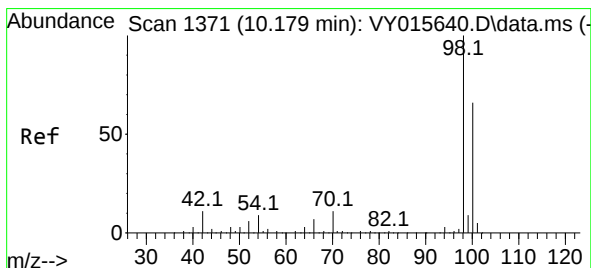
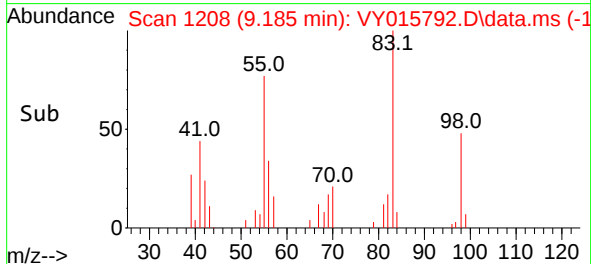
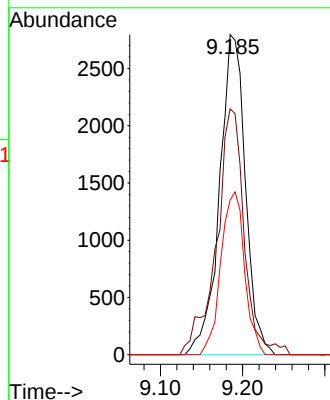
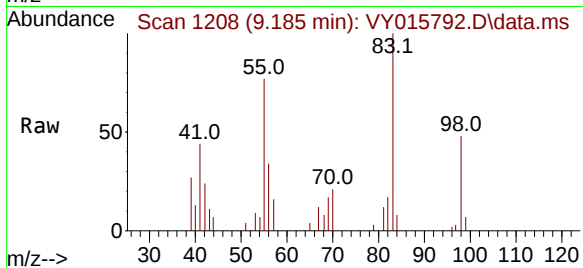
Tgt Ion: 83 Resp: 6119

Ion Ratio Lower Upper

83 100

55 76.8 63.0 94.4

98 48.4 37.4 56.2



#50

Toluene-d8

Concen: 59.723 ug/l

RT: 10.184 min Scan# 1372

Delta R.T. 0.005 min

Lab File: VY015792.D

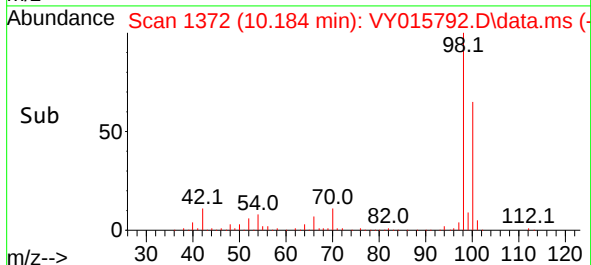
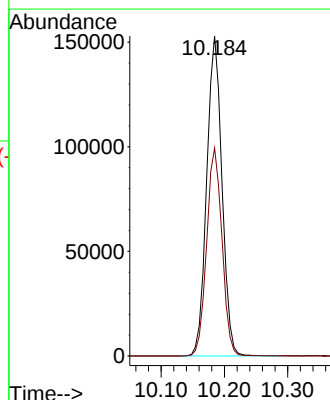
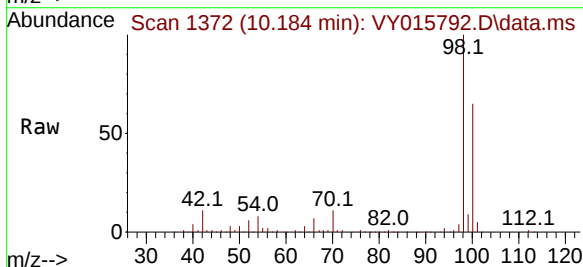
Acq: 02 Oct 2023 21:22

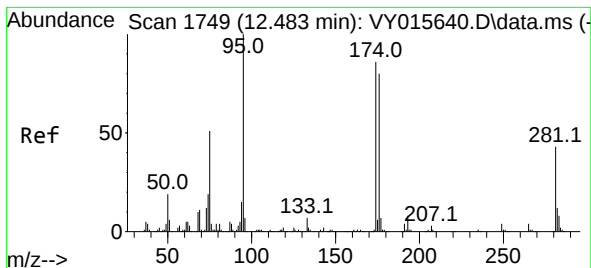
Tgt Ion: 98 Resp: 256548

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1

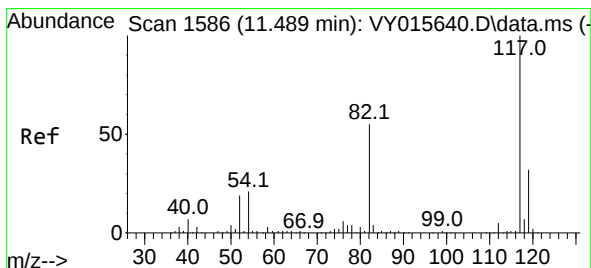
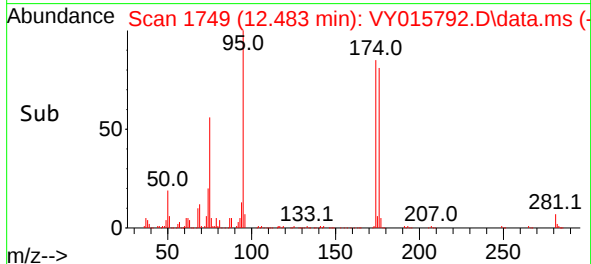
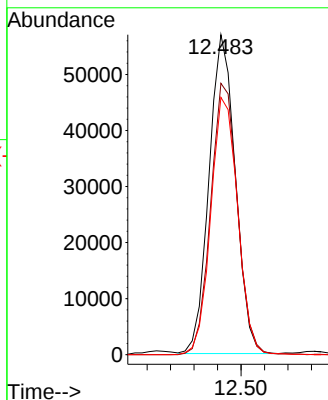
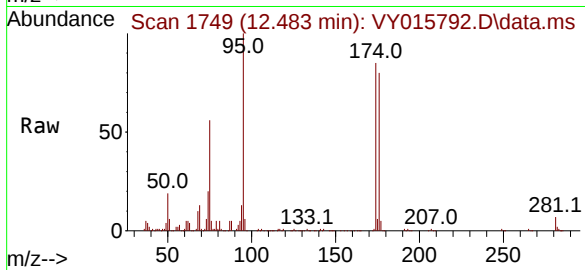




#62
4-Bromofluorobenzene
Concen: 52.389 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

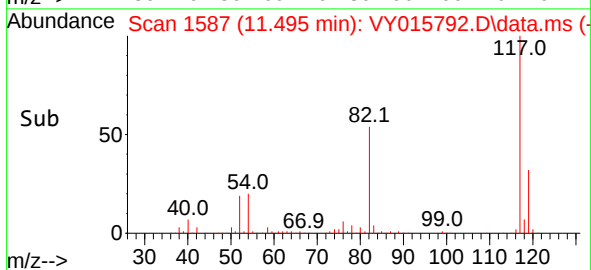
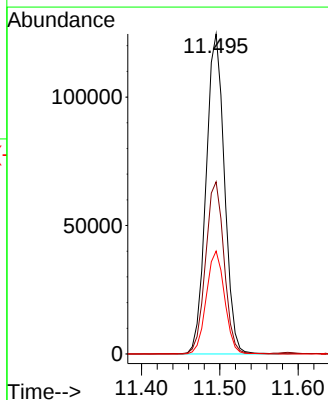
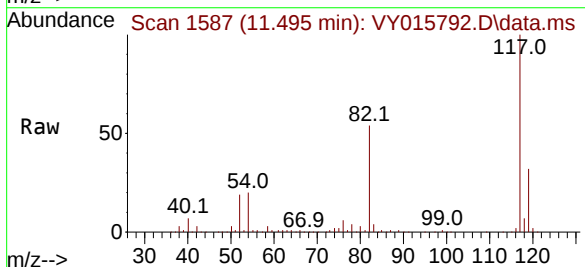
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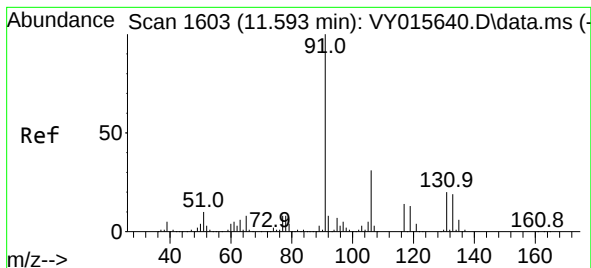
Tgt Ion:	95	Resp:	88314
Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	178.2
176	82.7	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY015792.D
Acq: 02 Oct 2023 21:22

Tgt Ion:	117	Resp:	202568
Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.4	65.0
119	32.2	26.3	39.5





#67

Ethyl Benzene

Concen: 1.760 ug/l

RT: 11.599 min Scan# 1604

Delta R.T. 0.012 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

MSVOA_Y

ClientSampleId :

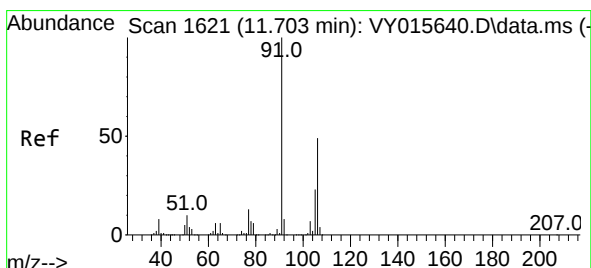
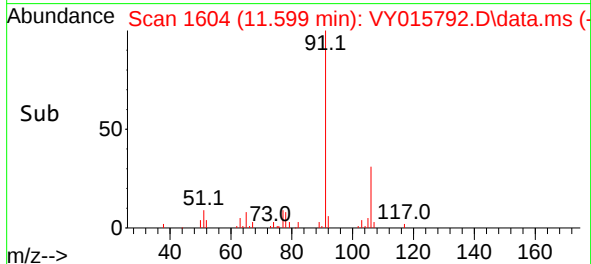
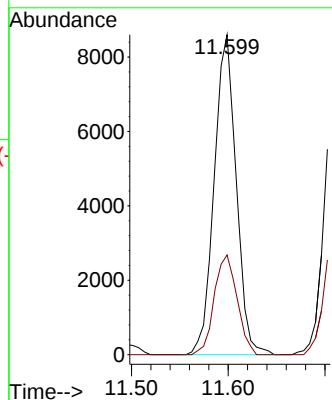
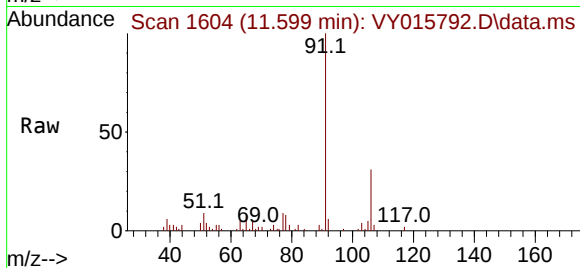
PP-20230928-B4A-13-15

Tgt Ion: 91 Resp: 13599

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



#68

m/p-Xylenes

Concen: 2.056 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY015792.D

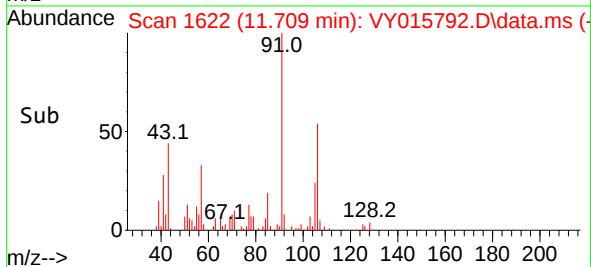
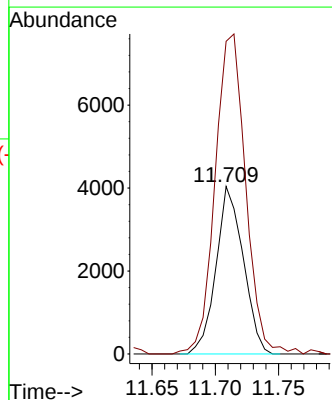
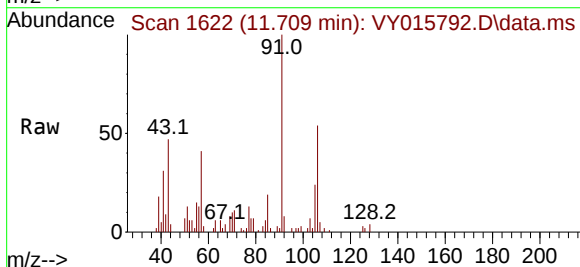
Acq: 02 Oct 2023 21:22

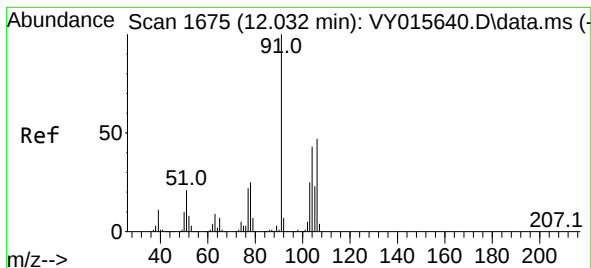
Tgt Ion:106 Resp: 6040

Ion Ratio Lower Upper

106 100

91 214.2 166.1 249.1





#69

o-Xylene

Concen: 3.963 ug/l

RT: 12.032 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

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ClientSampleId :

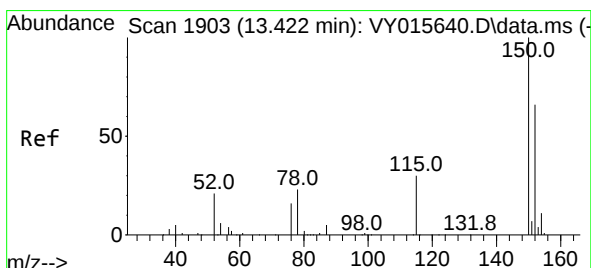
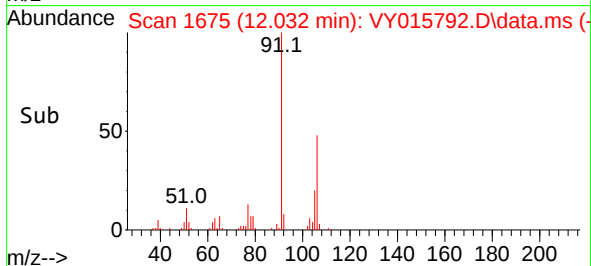
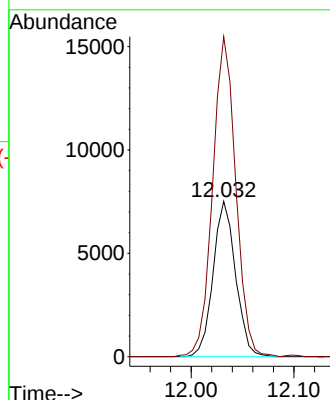
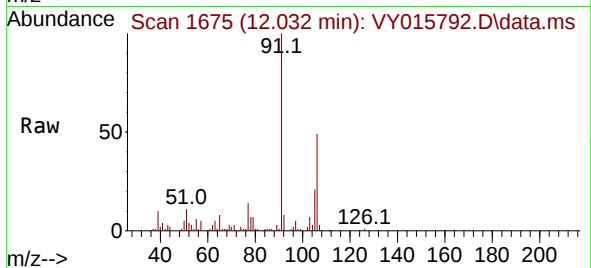
PP-20230928-B4A-13-15

Tgt Ion:106 Resp: 11416

Ion Ratio Lower Upper

106 100

91 211.9 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

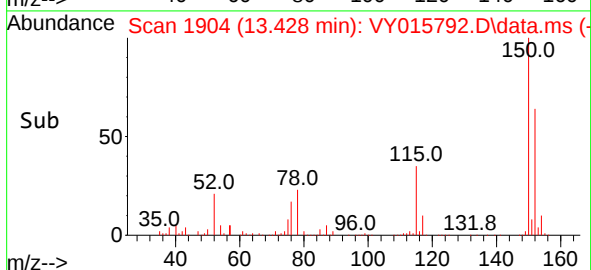
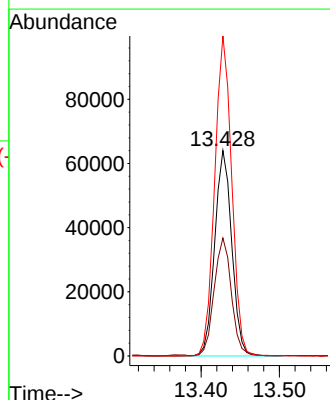
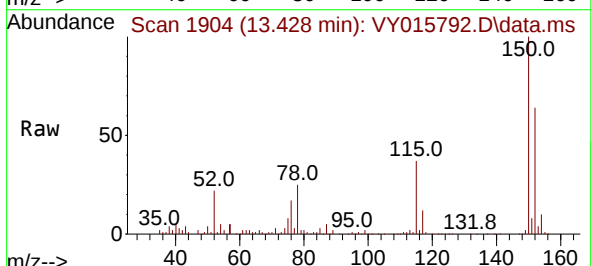
Tgt Ion:152 Resp: 97030

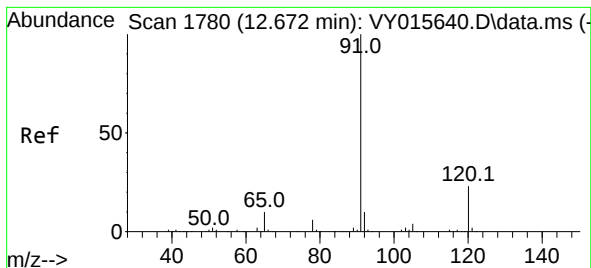
Ion Ratio Lower Upper

152 100

115 58.2 28.8 86.5

150 155.3 0.0 348.8





#78

n-propylbenzene

Concen: 1.632 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

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ClientSampleId :

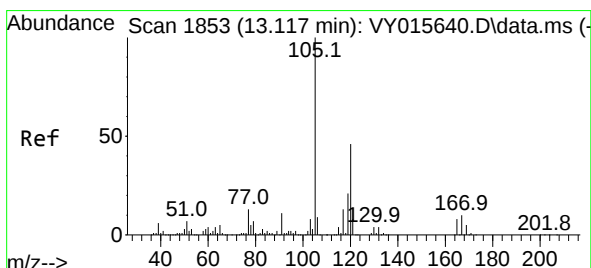
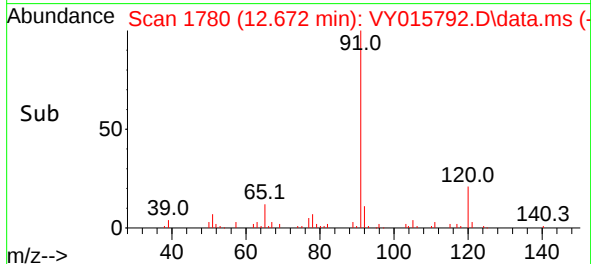
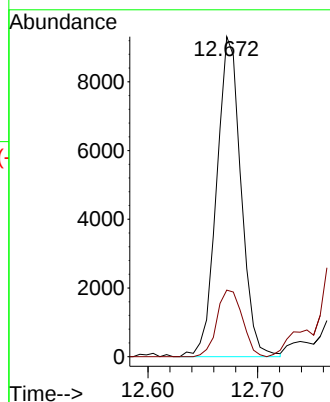
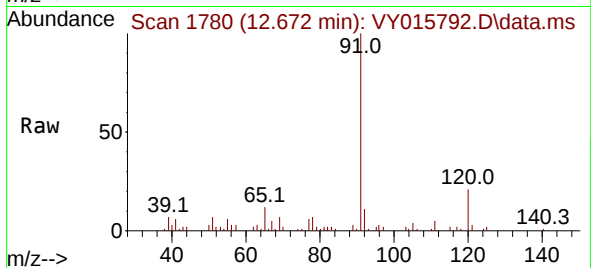
PP-20230928-B4A-13-15

Tgt Ion: 91 Resp: 14428

Ion Ratio Lower Upper

91 100

120 21.6 11.5 34.4



#84

1,2,4-Trimethylbenzene

Concen: 9.379 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015792.D

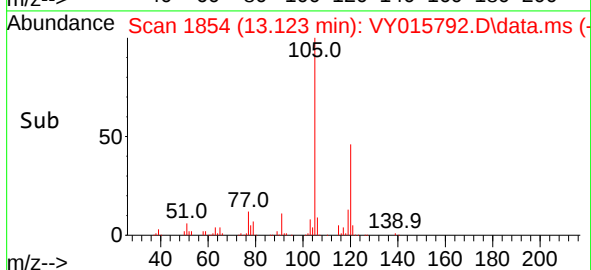
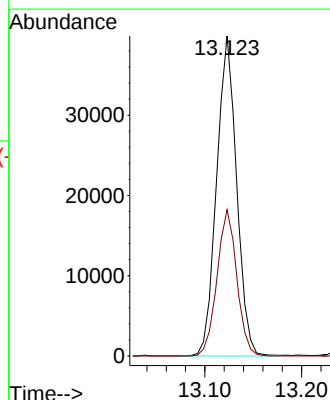
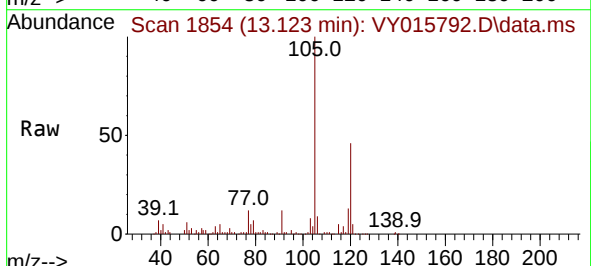
Acq: 02 Oct 2023 21:22

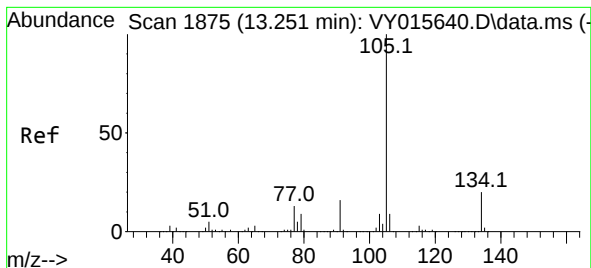
Tgt Ion: 105 Resp: 57184

Ion Ratio Lower Upper

105 100

120 45.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 1.156 ug/l

RT: 13.257 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Instrument :

MSVOA_Y

ClientSampleId :

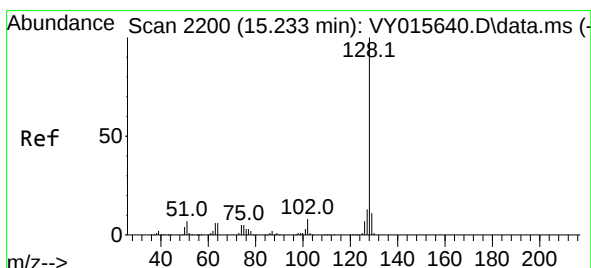
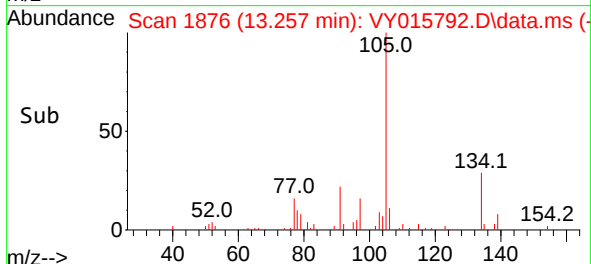
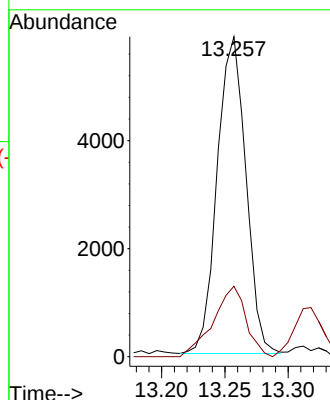
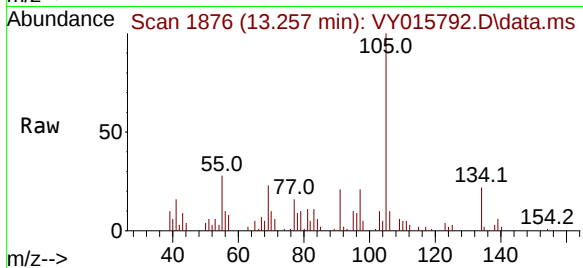
PP-20230928-B4A-13-15

Tgt Ion:105 Resp: 9234

Ion Ratio Lower Upper

105 100

134 25.3 10.2 30.6



#95

Naphthalene

Concen: 9.102 ug/l

RT: 15.238 min Scan# 2201

Delta R.T. 0.005 min

Lab File: VY015792.D

Acq: 02 Oct 2023 21:22

Tgt Ion:128 Resp: 48891

Ion Ratio Lower Upper

128 100

127 14.7 10.8 16.2

129 12.3 8.6 13.0

