

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015760.D
 Acq On : 29 Sep 2023 17:52
 Operator : SY/MD
 Sample : 04614-03
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AUD-1048

Quant Time: Sep 30 01:15:26 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)

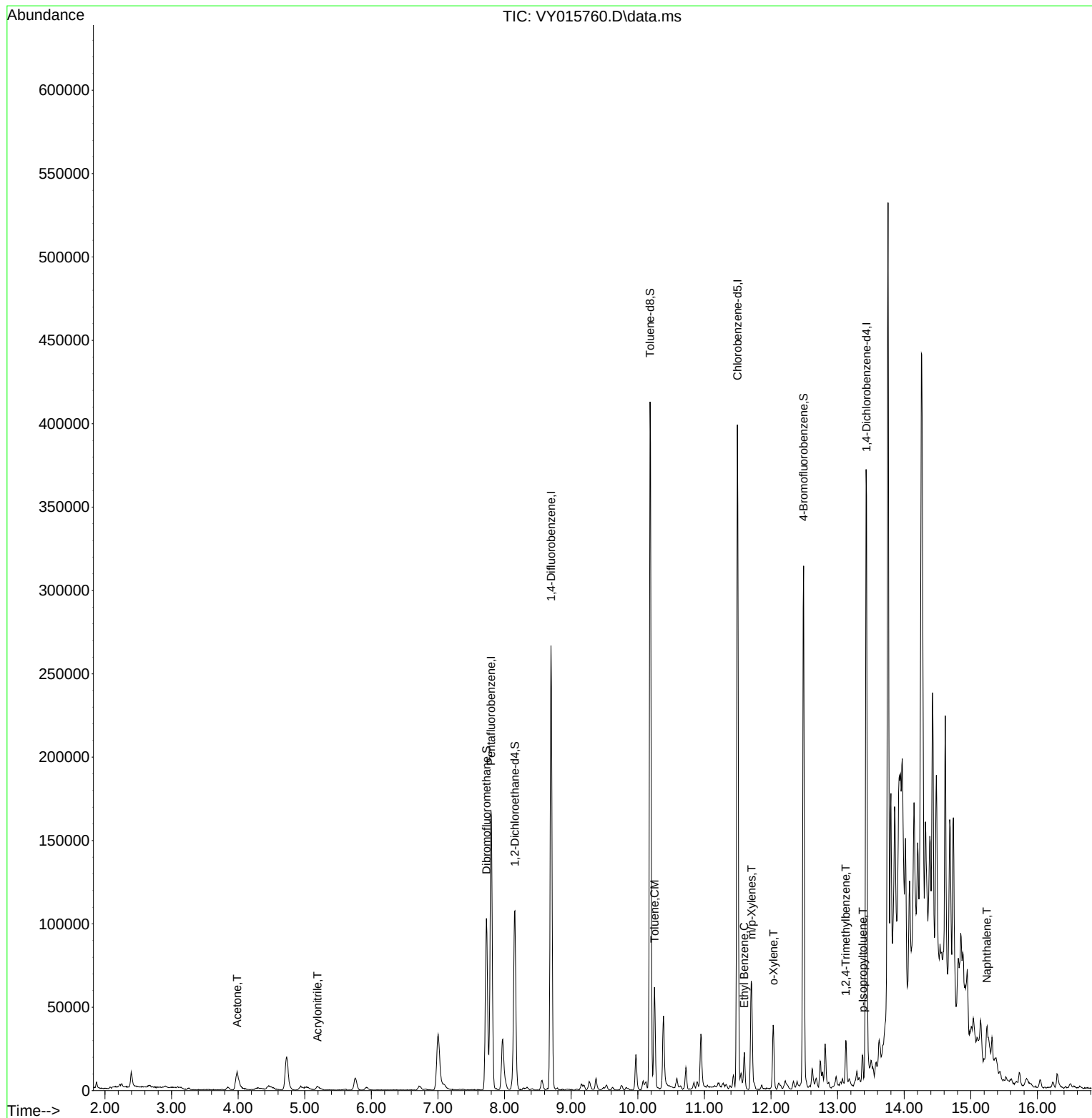
Internal Standards						
1) Pentafluorobenzene	7.795	168	129688	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	225174	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	209502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	94498	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	82767	58.004	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.000%	
35) Dibromofluoromethane	7.728	113	72945	54.124	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.240%	
50) Toluene-d8	10.185	98	266913	58.409	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 116.820%	
62) 4-Bromofluorobenzene	12.489	95	90800	50.633	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.260%	
Target Compounds						
					Qvalue	
15) Acrylonitrile	5.192	53	2836	4.384	ug/l	95
16) Acetone	3.985	43	25277	33.101	ug/l	96
52) Toluene	10.252	92	24693	6.303	ug/l	94
67) Ethyl Benzene	11.599	91	14117	1.766	ug/l	94
68) m/p-Xylenes	11.709	106	20151	6.633	ug/l	98
69) o-Xylene	12.038	106	6468	2.171	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	15298	2.576	ug/l	97
86) p-Isopropyltoluene	13.380	119	8395	1.292	ug/l	98
95) Naphthalene	15.239	128	20407	3.901	ug/l	99

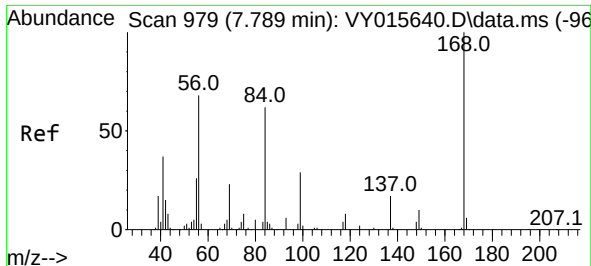
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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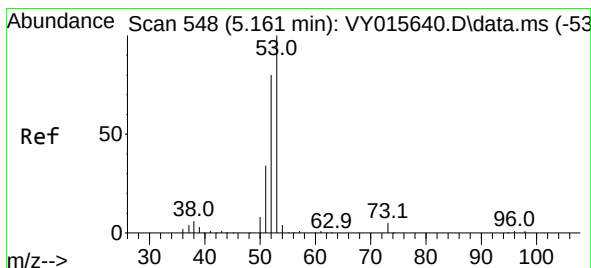
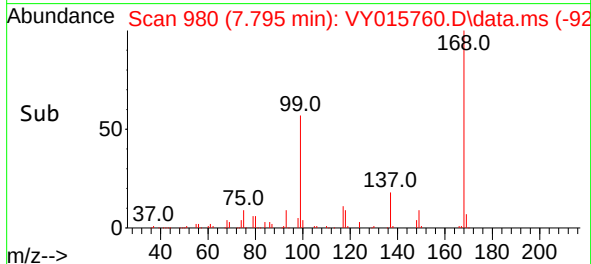
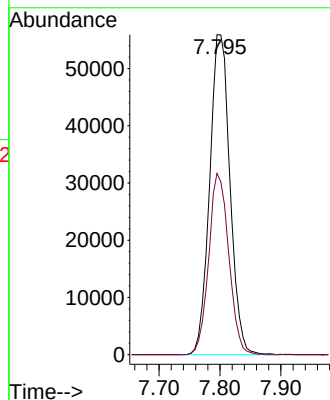
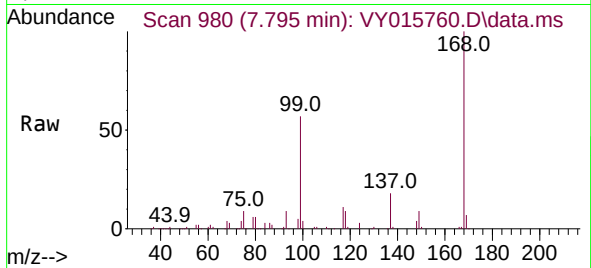




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015760.D
Acq: 29 Sep 2023 17:52

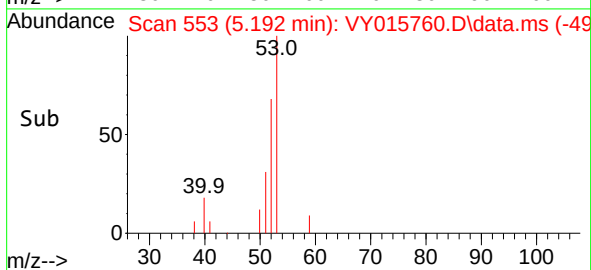
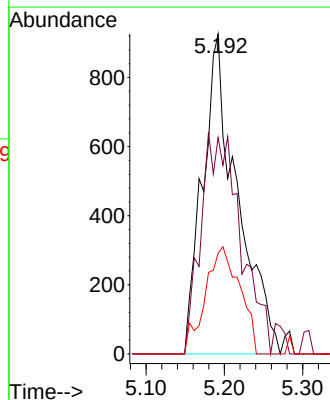
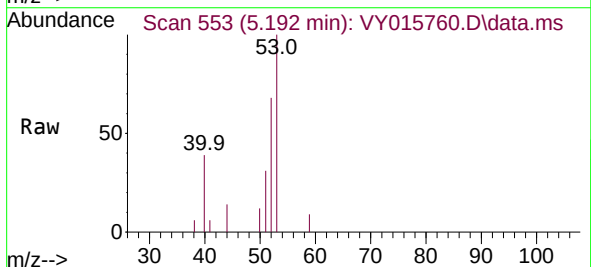
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1048

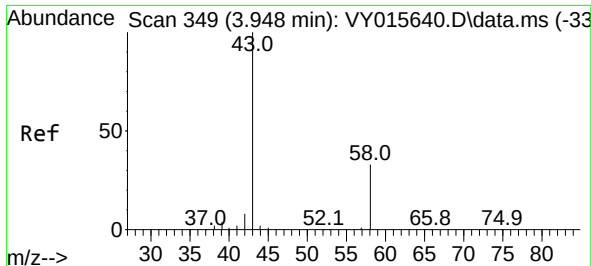
Tgt Ion:168 Resp: 129688
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#15
Acrylonitrile
Concen: 4.384 ug/l
RT: 5.192 min Scan# 553
Delta R.T. 0.031 min
Lab File: VY015760.D
Acq: 29 Sep 2023 17:52

Tgt Ion: 53 Resp: 2836
Ion Ratio Lower Upper
53 100
52 79.6 66.9 100.3
51 33.5 29.8 44.6

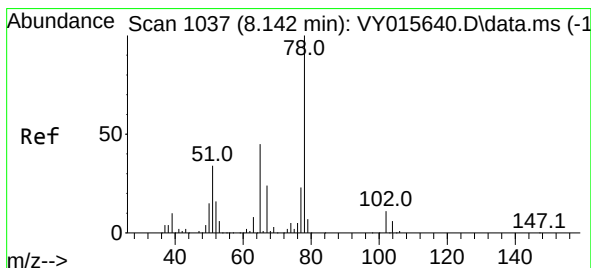
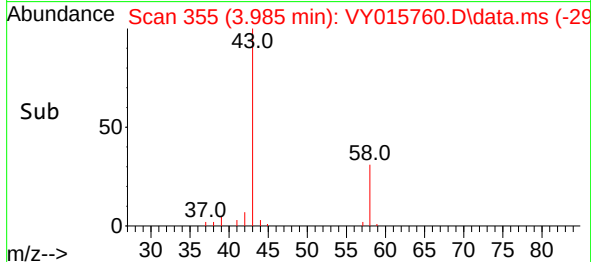
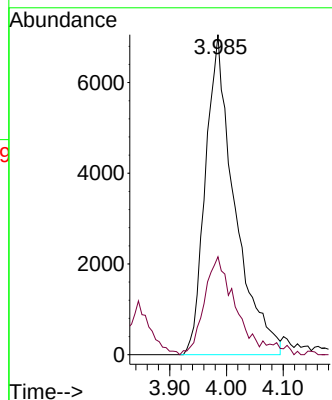
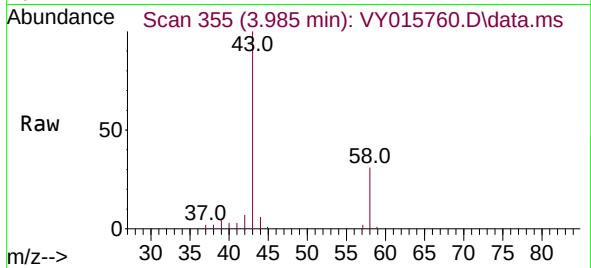




#16
Acetone
Concen: 33.101 ug/l
RT: 3.985 min Scan# 31
Delta R.T. 0.043 min
Lab File: VY015760.D
Acq: 29 Sep 2023 17:52

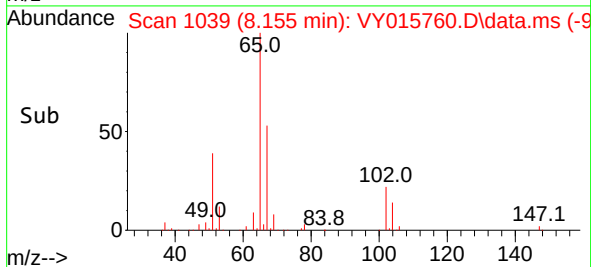
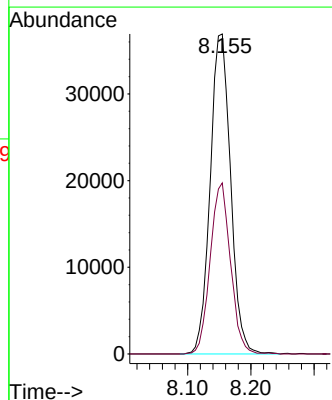
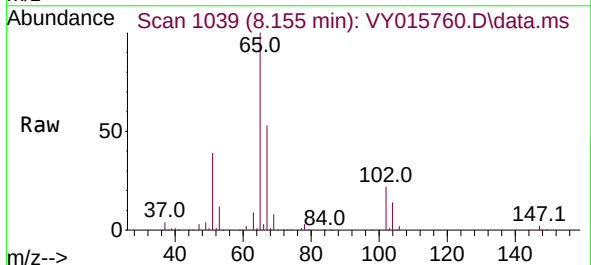
Instrument :
MSVOA_Y
ClientSampleId :
AUD-1048

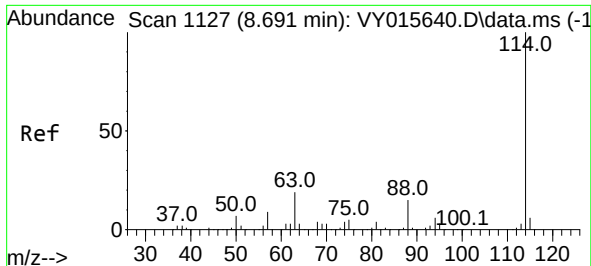
Tgt Ion: 43 Resp: 25277
Ion Ratio Lower Upper
43 100
58 30.6 22.7 34.1



#33
1,2-Dichloroethane-d4
Concen: 58.004 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.019 min
Lab File: VY015760.D
Acq: 29 Sep 2023 17:52

Tgt Ion: 65 Resp: 82767
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.012 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

Instrument :

MSVOA_Y

ClientSampleId :

AUD-1048

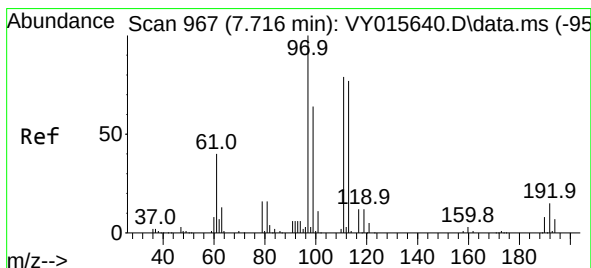
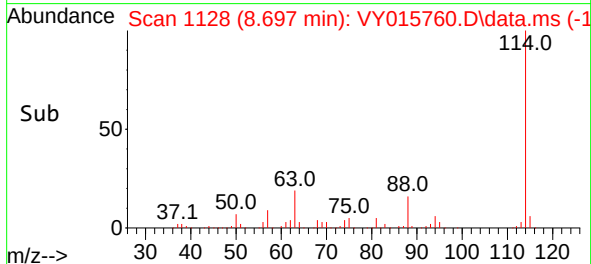
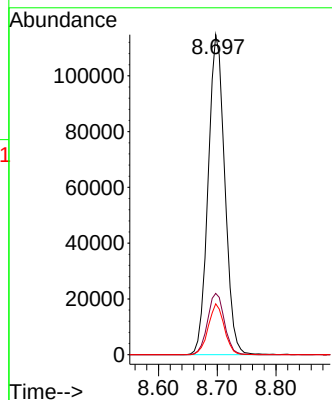
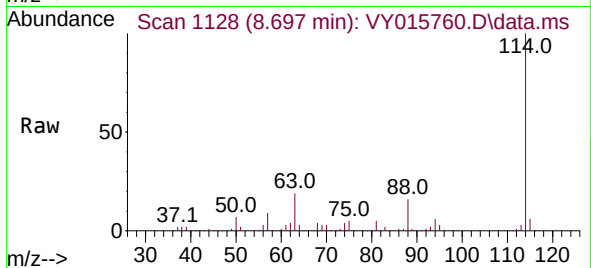
Tgt Ion:114 Resp: 225174

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.124 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.012 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

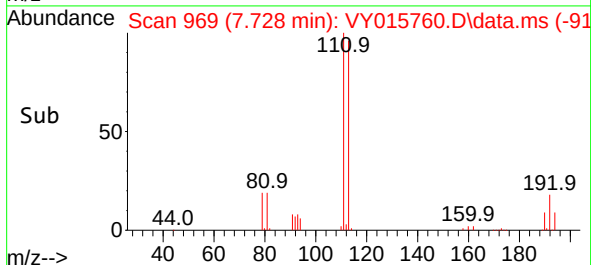
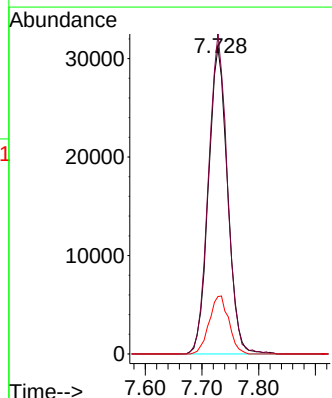
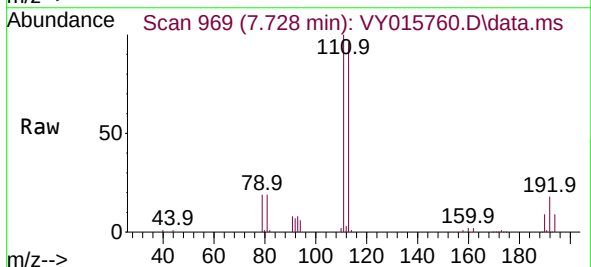
Tgt Ion:113 Resp: 72945

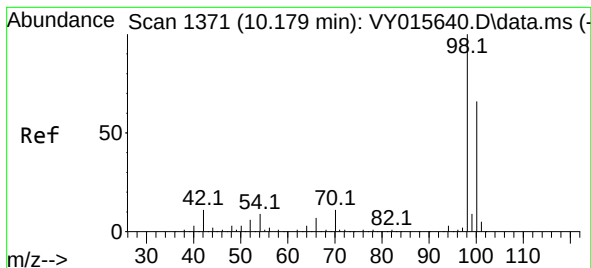
Ion Ratio Lower Upper

113 100

111 102.9 81.3 121.9

192 19.3 16.9 25.3





#50

Toluene-d8

Concen: 58.409 ug/l

RT: 10.185 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

Instrument :

MSVOA_Y

ClientSampleId :

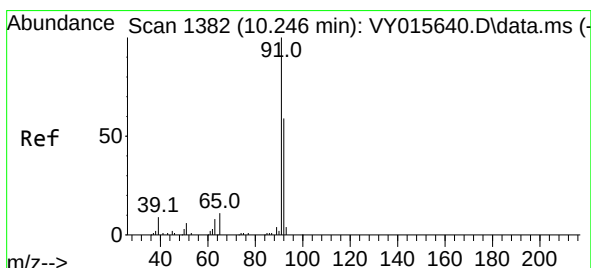
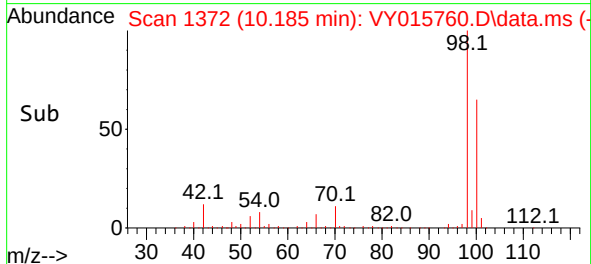
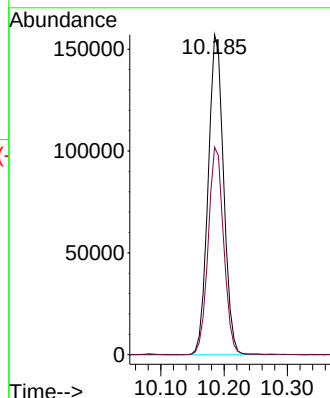
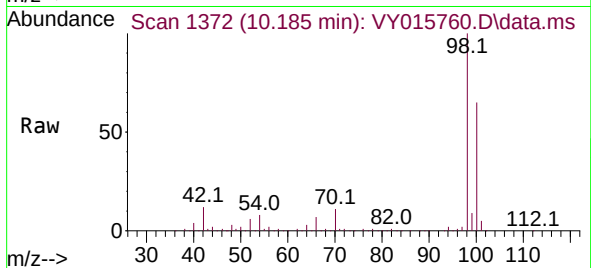
AUD-1048

Tgt Ion: 98 Resp: 266913

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1



#52

Toluene

Concen: 6.303 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.012 min

Lab File: VY015760.D

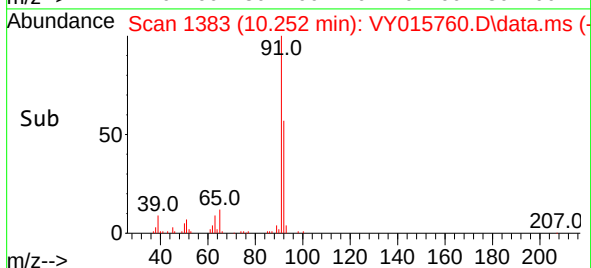
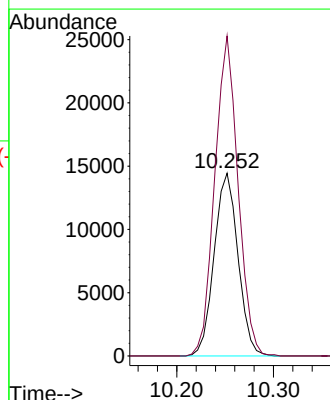
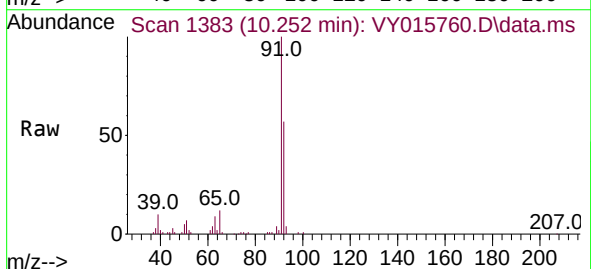
Acq: 29 Sep 2023 17:52

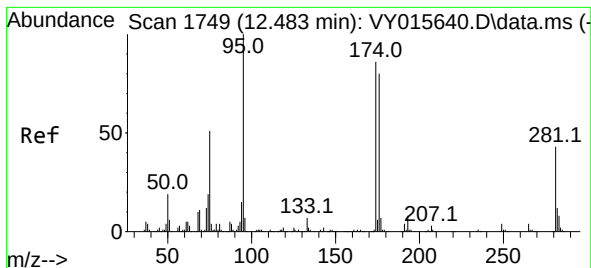
Tgt Ion: 92 Resp: 24693

Ion Ratio Lower Upper

92 100

91 171.0 143.8 215.6

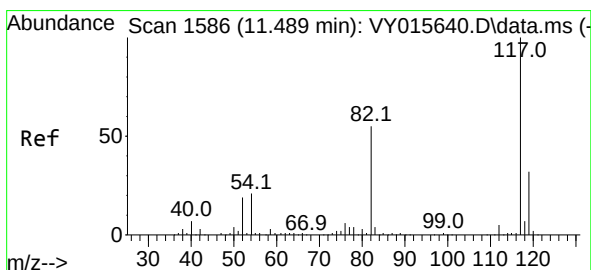
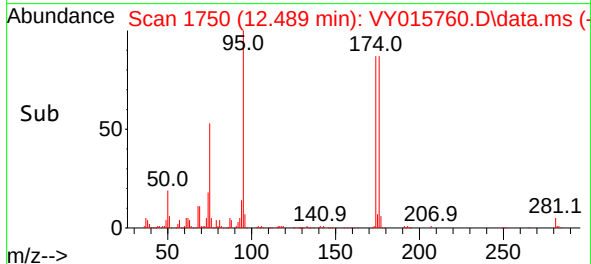
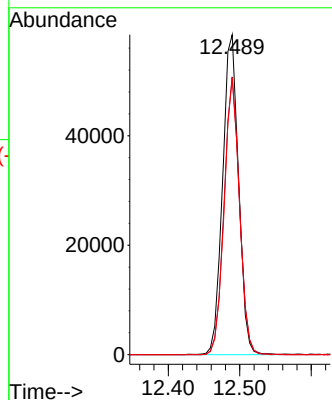
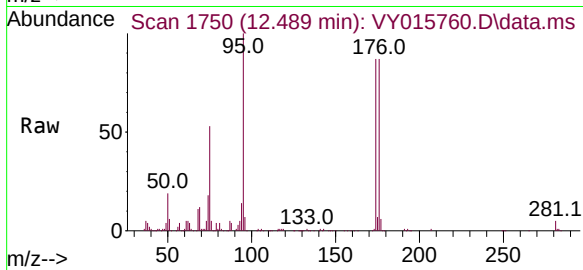




#62
4-Bromofluorobenzene
Concen: 50.633 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.012 min
Lab File: VY015760.D
Acq: 29 Sep 2023 17:52

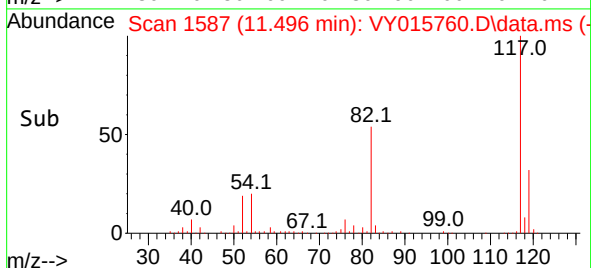
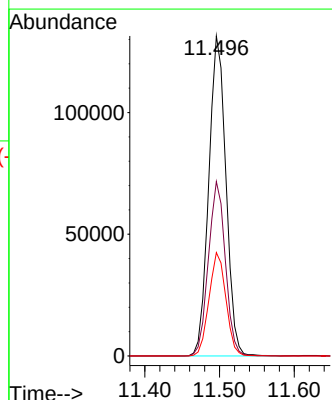
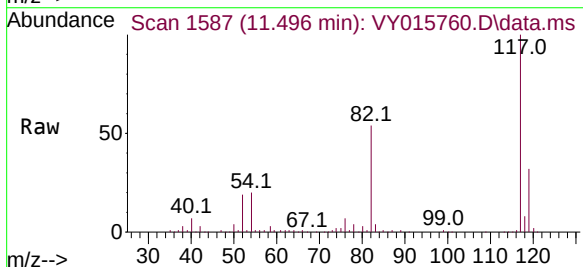
Instrument :
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AUD-1048

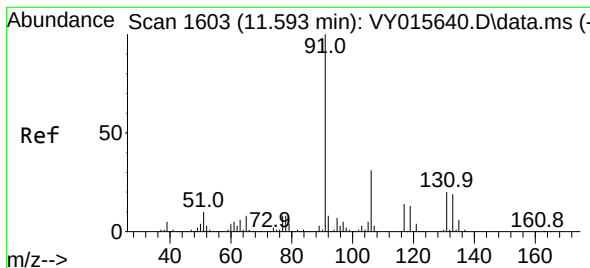
Tgt Ion: 95 Resp: 90800
Ion Ratio Lower Upper
95 100
174 83.7 0.0 178.2
176 82.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015760.D
Acq: 29 Sep 2023 17:52

Tgt Ion: 117 Resp: 209502
Ion Ratio Lower Upper
117 100
82 54.5 43.4 65.0
119 32.3 26.3 39.5





#67

Ethyl Benzene

Concen: 1.766 ug/l

RT: 11.599 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

Instrument :

MSVOA_Y

ClientSampleId :

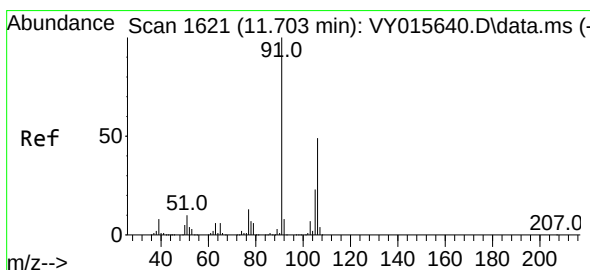
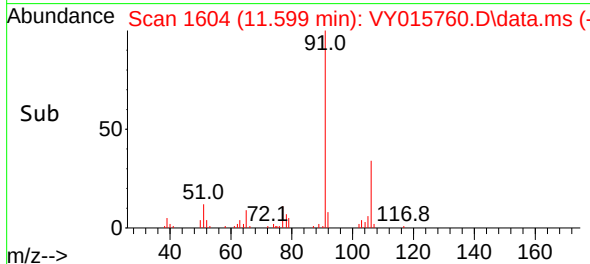
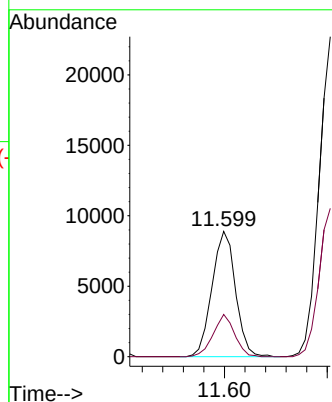
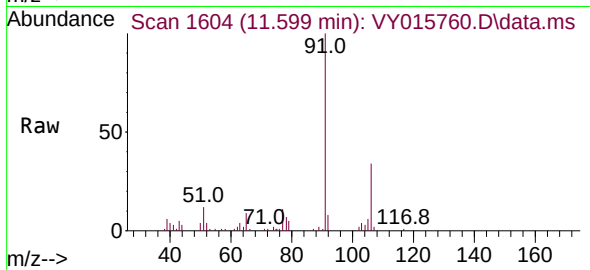
AUD-1048

Tgt Ion: 91 Resp: 14117

Ion Ratio Lower Upper

91 100

106 33.7 24.6 36.8



#68

m/p-Xylenes

Concen: 6.633 ug/l

RT: 11.709 min Scan# 1622

Delta R.T. 0.006 min

Lab File: VY015760.D

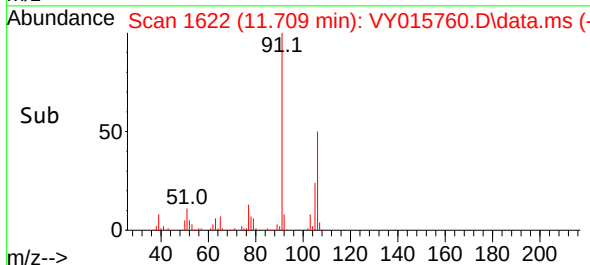
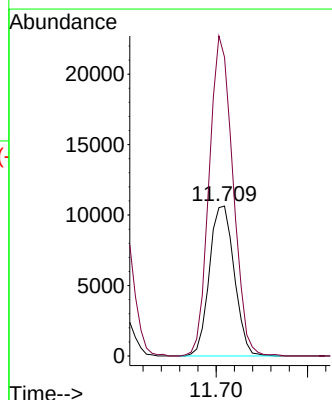
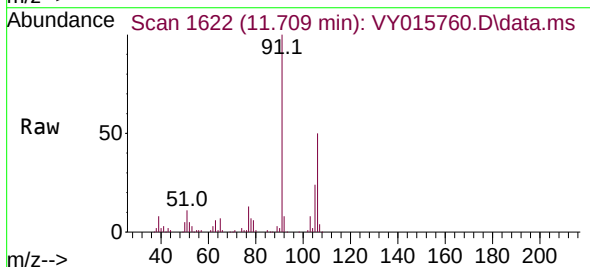
Acq: 29 Sep 2023 17:52

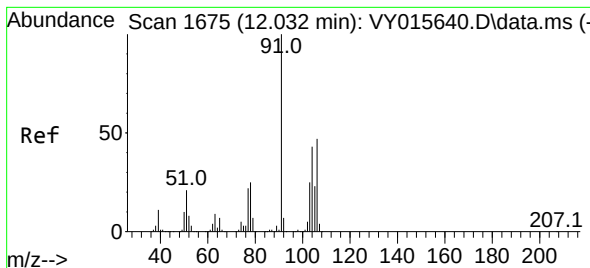
Tgt Ion:106 Resp: 20151

Ion Ratio Lower Upper

106 100

91 203.9 166.1 249.1





#69

o-Xylene

Concen: 2.171 ug/l

RT: 12.038 min Scan# 1

Delta R.T. 0.012 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

Instrument :

MSVOA_Y

ClientSampleId :

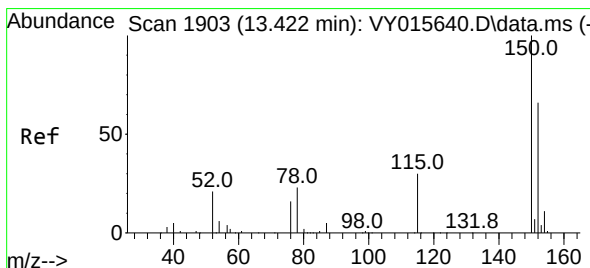
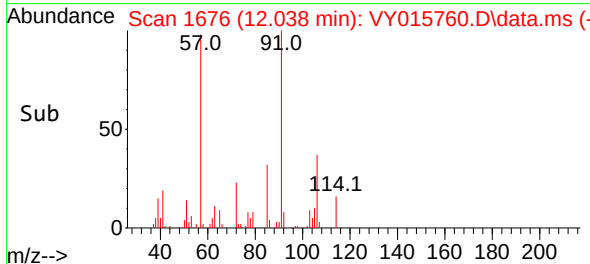
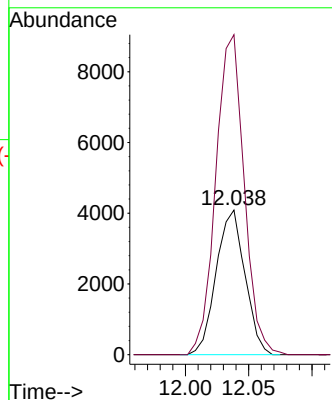
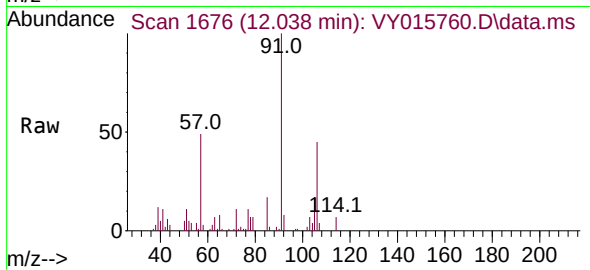
AUD-1048

Tgt Ion:106 Resp: 6468

Ion Ratio Lower Upper

106 100

91 217.7 108.1 324.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.012 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

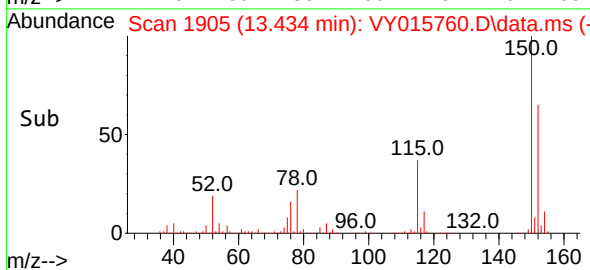
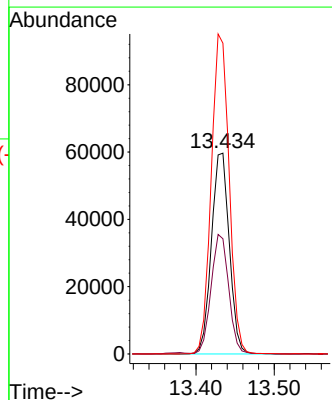
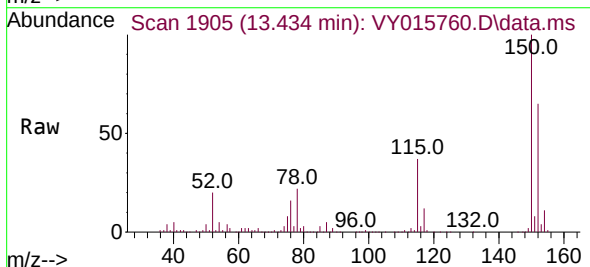
Tgt Ion:152 Resp: 94498

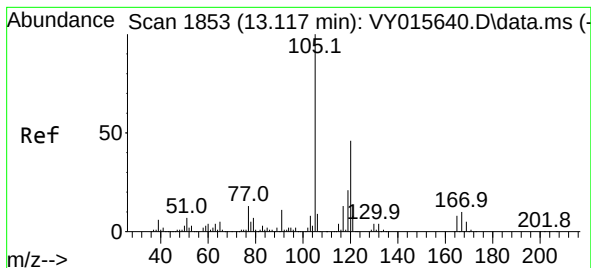
Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 159.4 0.0 348.8





#84

1,2,4-Trimethylbenzene

Concen: 2.576 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

Instrument :

MSVOA_Y

ClientSampleId :

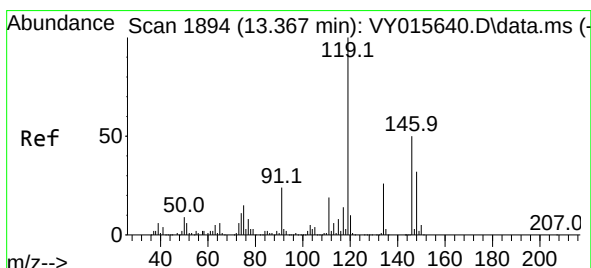
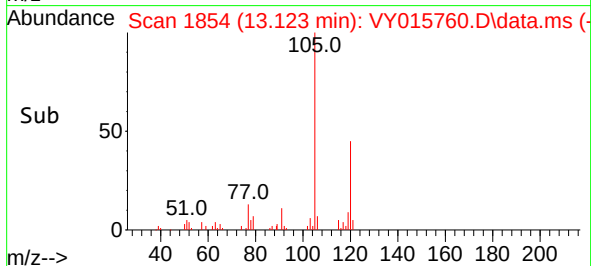
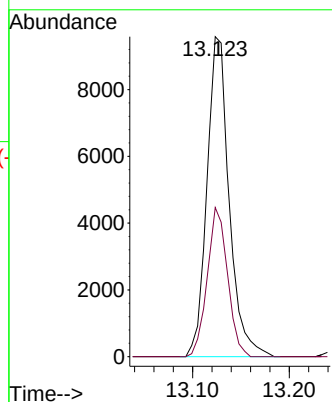
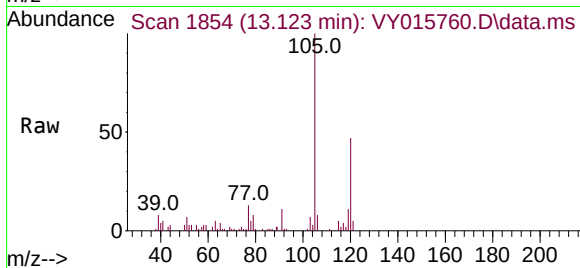
AUD-1048

Tgt Ion:105 Resp: 15298

Ion Ratio Lower Upper

105 100

120 42.6 22.2 66.6



#86

p-Isopropyltoluene

Concen: 1.292 ug/l

RT: 13.380 min Scan# 1896

Delta R.T. 0.012 min

Lab File: VY015760.D

Acq: 29 Sep 2023 17:52

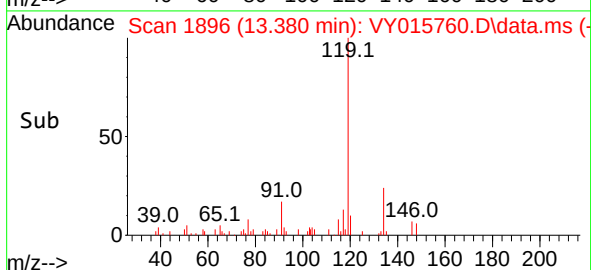
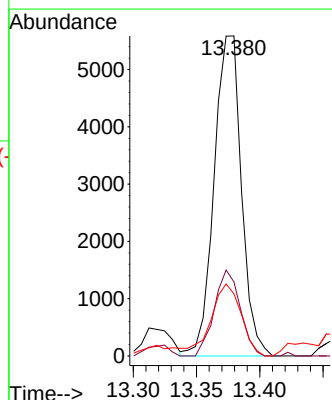
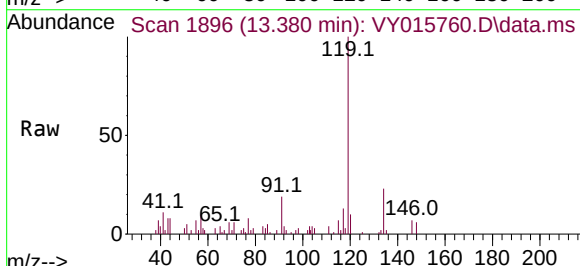
Tgt Ion:119 Resp: 8395

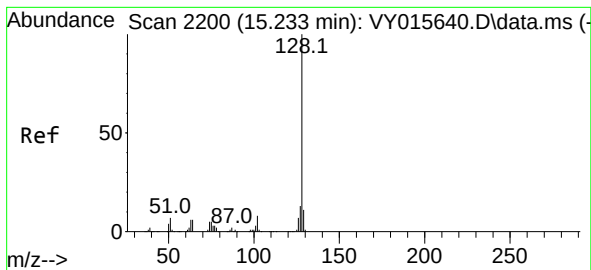
Ion Ratio Lower Upper

119 100

134 25.4 13.3 39.8

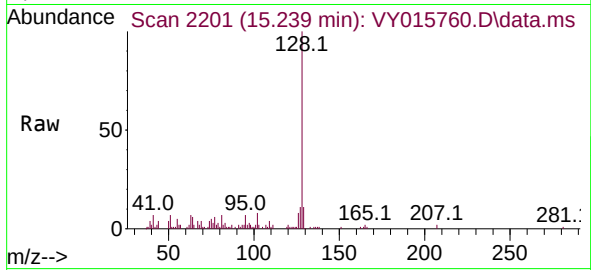
91 24.3 12.4 37.4





#95
Naphthalene
Concen: 3.901 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY015760.D
Acq: 29 Sep 2023 17:52

Instrument :
MSVOA_Y
ClientSampleId :
AUD-1048



Tgt Ion:	128	Resp:	20407
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.8	16.2
129	11.8	8.6	13.0

