

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011923\
 Data File : VY012274.D
 Acq On : 19 Jan 2023 18:31
 Operator : KP/MD
 Sample : 01190-07
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PE-6

Quant Time: Jan 20 03:25:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

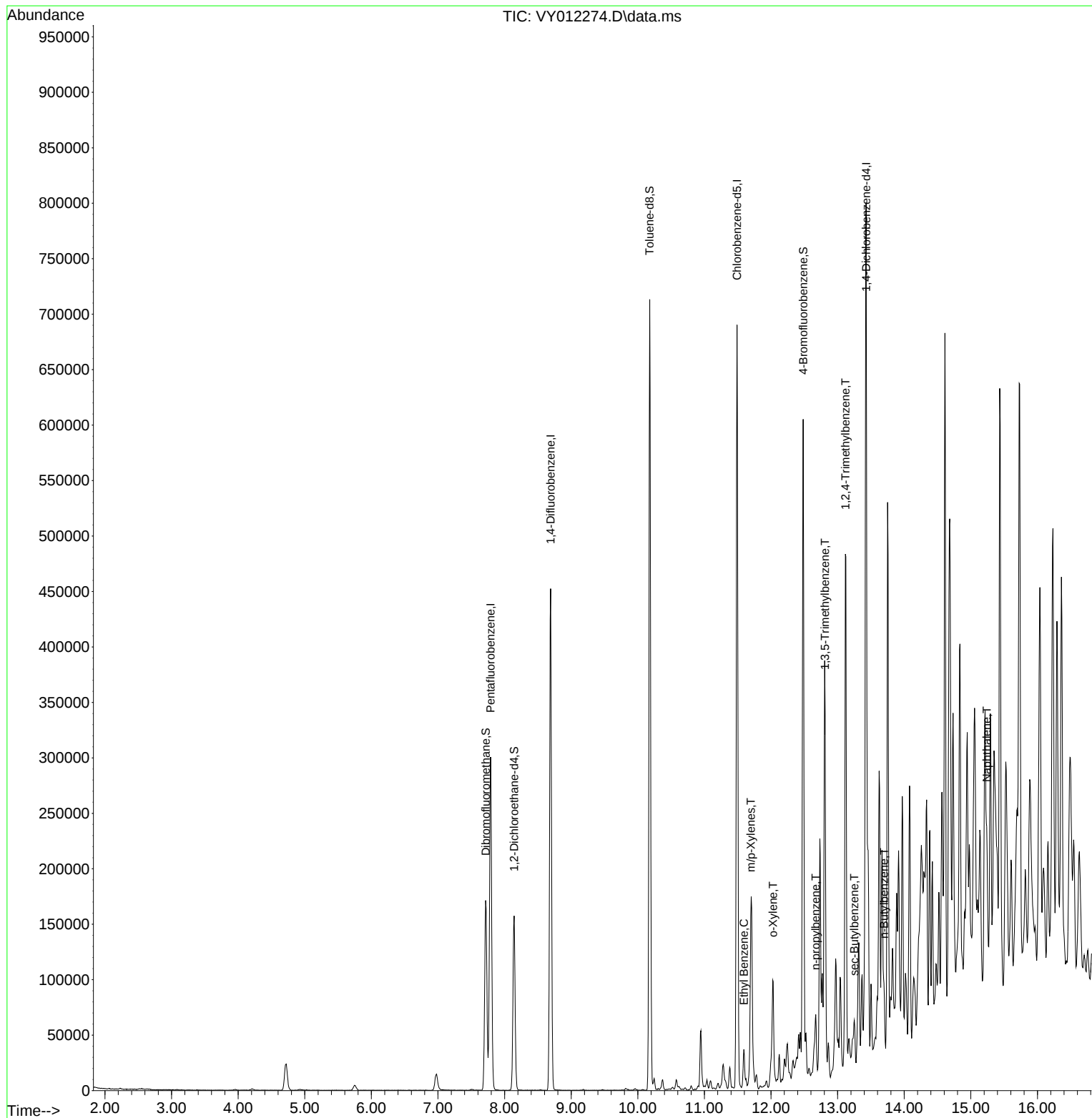
Internal Standards						
1) Pentafluorobenzene	7.789	168	239864	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	401852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	393811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	195112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129331	66.334	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.660%	
35) Dibromofluoromethane	7.716	113	119592	56.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.400%	
50) Toluene-d8	10.179	98	472848	65.478	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 130.960%	
62) 4-Bromofluorobenzene	12.483	95	175964	58.663	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.320%	
Target Compounds						
					Qvalue	
67) Ethyl Benzene	11.593	91	22905	1.591	ug/l	97
68) m/p-Xylenes	11.697	106	41171	7.231	ug/l	100
69) o-Xylene	12.032	106	24661	4.535	ug/l	97
78) n-propylbenzene	12.672	91	37536	2.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	61270	5.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	255422	21.176	ug/l	100
85) sec-Butylbenzene	13.251	105	18267	1.204	ug/l	80
89) n-Butylbenzene	13.696	91	26313	2.290	ug/l #	76
95) Naphthalene	15.239	128	75736	9.967	ug/l #	94

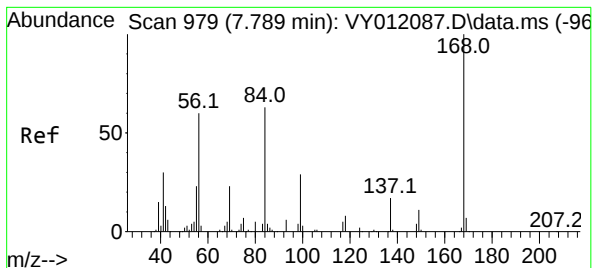
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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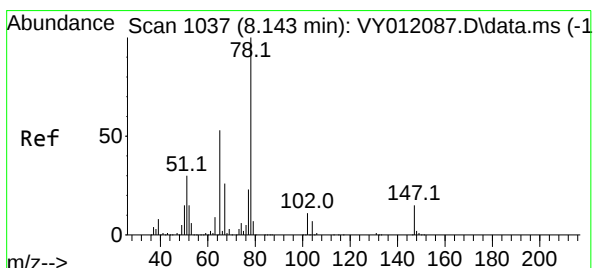
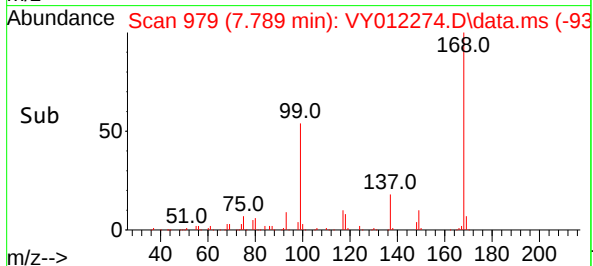
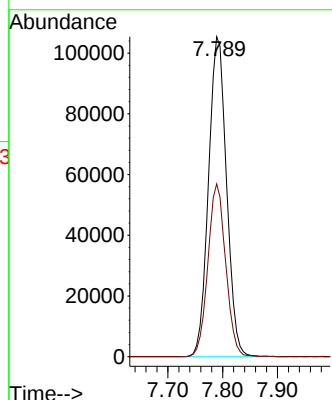
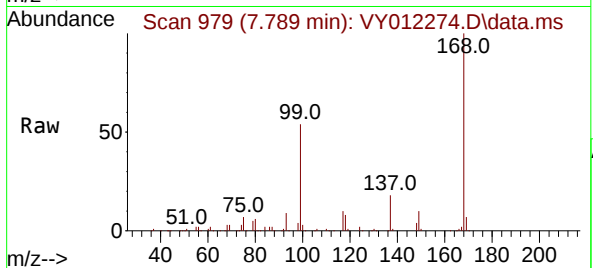




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

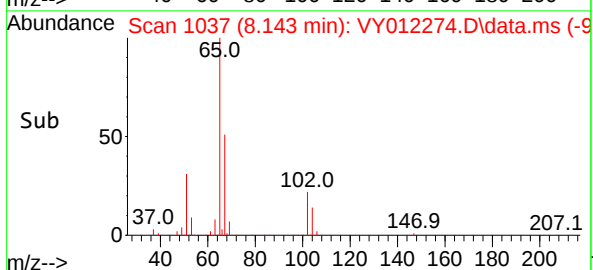
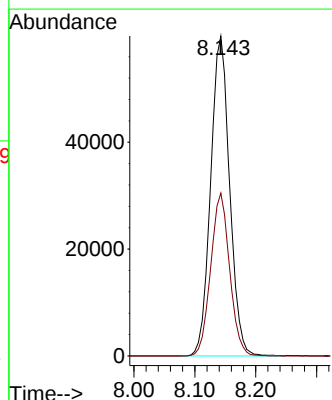
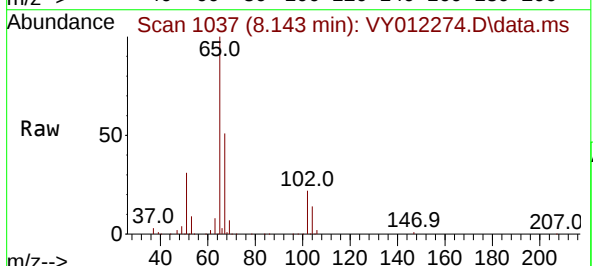
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

Tgt Ion:168 Resp: 239864
Ion Ratio Lower Upper
168 100
99 54.0 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 66.334 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 65 Resp: 129331
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

PE-6

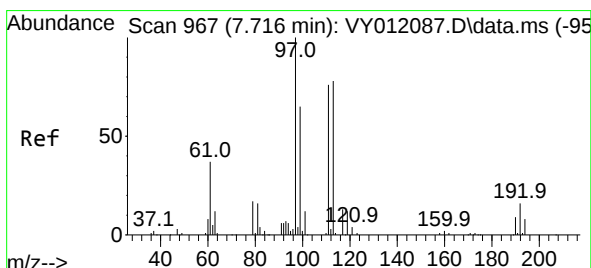
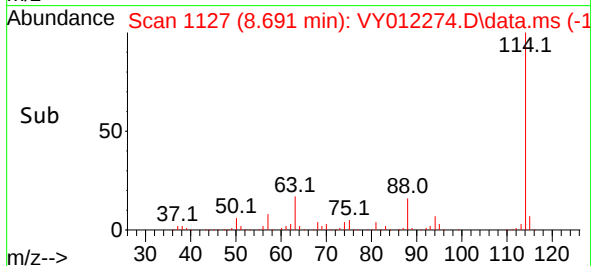
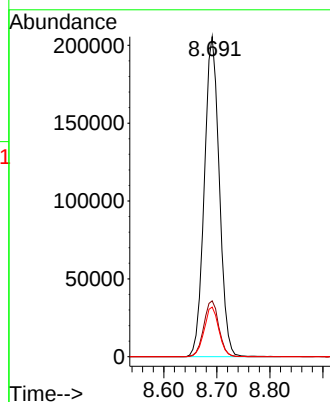
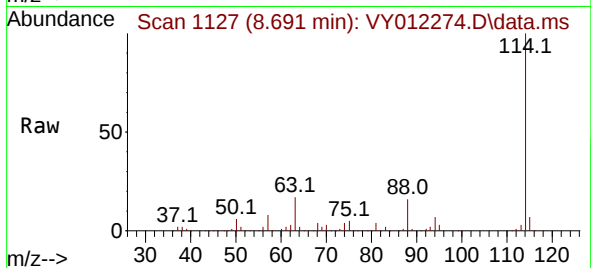
Tgt Ion:114 Resp: 401852

Ion Ratio Lower Upper

114 100

63 17.5 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.204 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

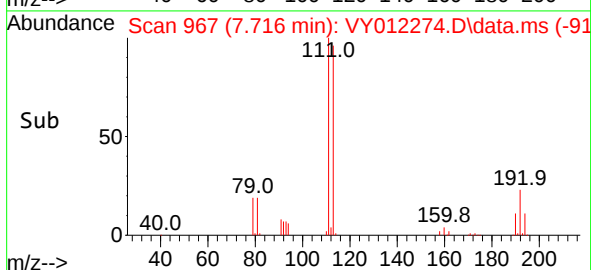
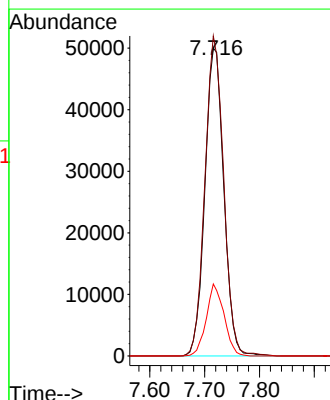
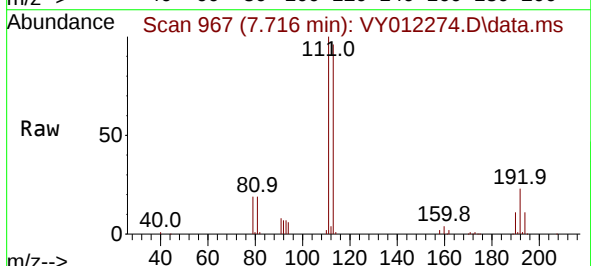
Tgt Ion:113 Resp: 119592

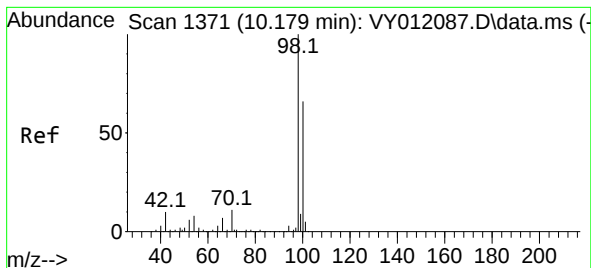
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 22.0 16.0 24.0





#50

Toluene-d8

Concen: 65.478 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

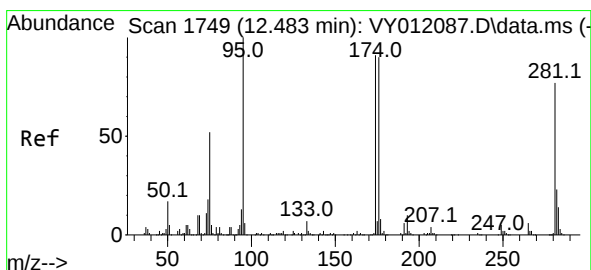
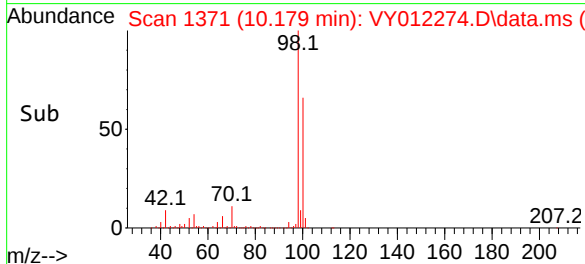
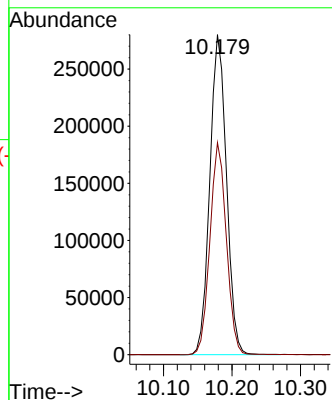
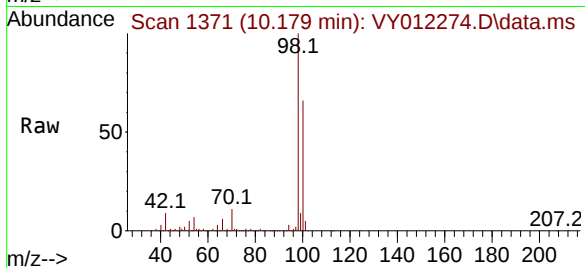
PE-6

Tgt Ion: 98 Resp: 472848

Ion Ratio Lower Upper

98 100

100 65.3 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 58.663 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

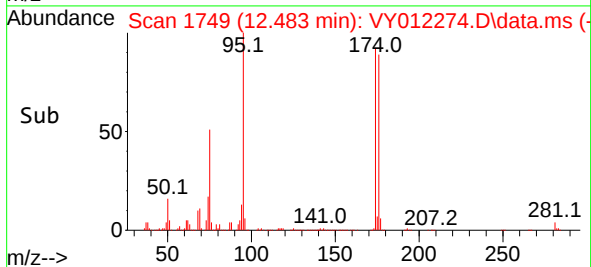
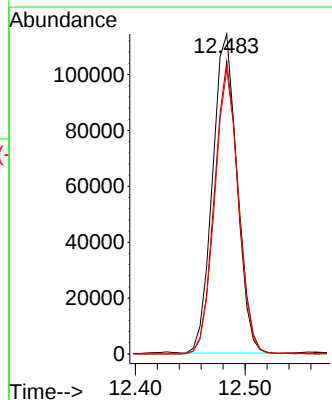
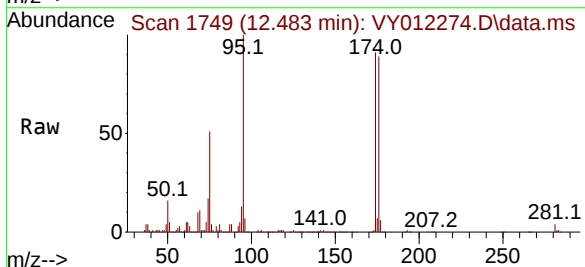
Tgt Ion: 95 Resp: 175964

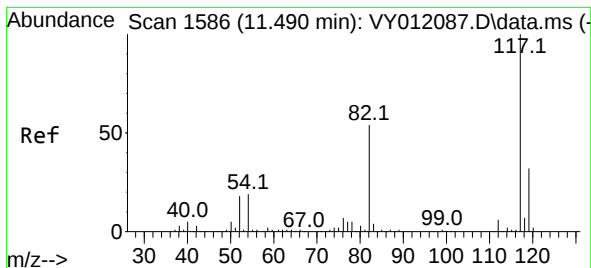
Ion Ratio Lower Upper

95 100

174 90.6 0.0 172.0

176 87.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

PE-6

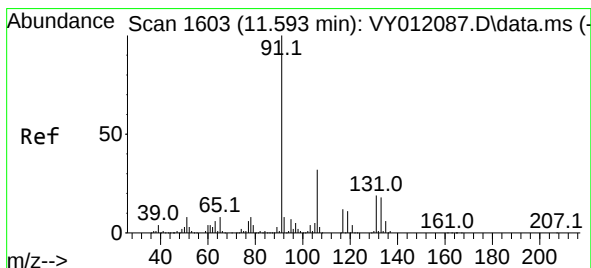
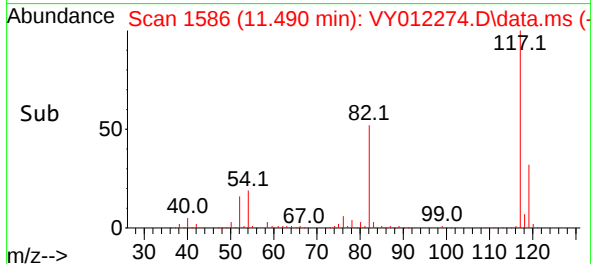
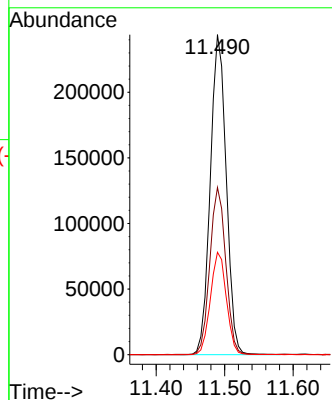
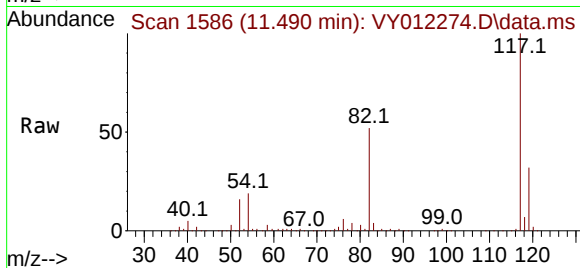
Tgt Ion:117 Resp: 393811

Ion Ratio Lower Upper

117 100

82 52.1 44.8 67.2

119 32.0 25.4 38.2



#67

Ethyl Benzene

Concen: 1.591 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY012274.D

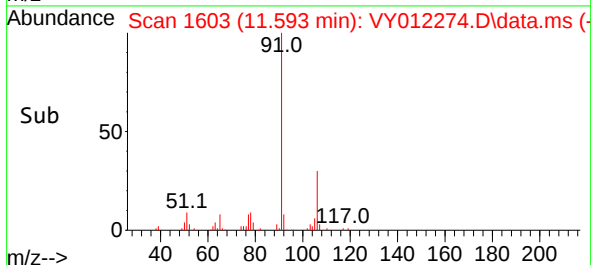
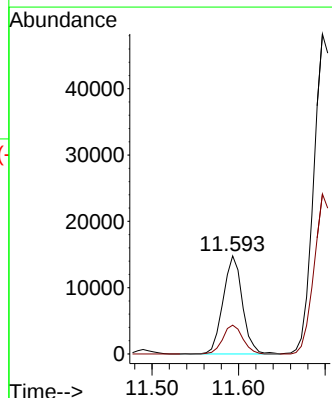
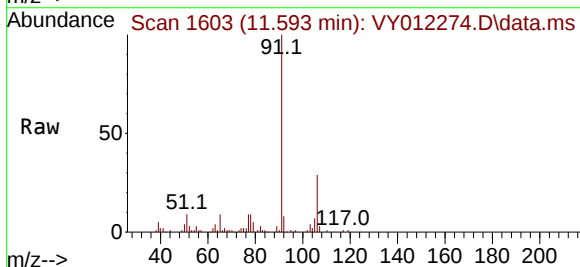
Acq: 19 Jan 2023 18:31

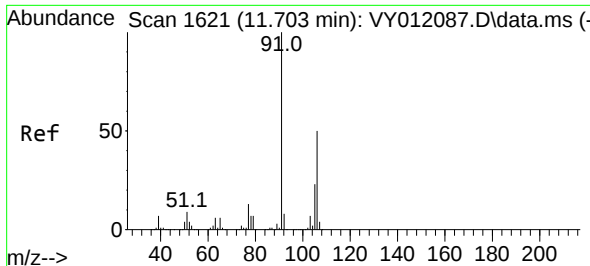
Tgt Ion: 91 Resp: 22905

Ion Ratio Lower Upper

91 100

106 29.4 25.0 37.4

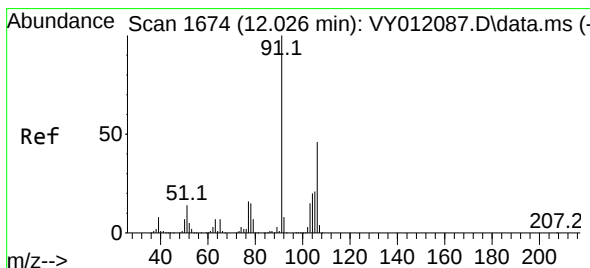
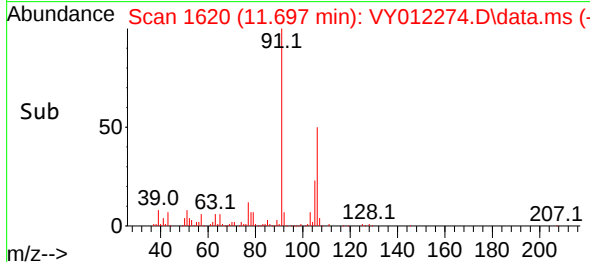
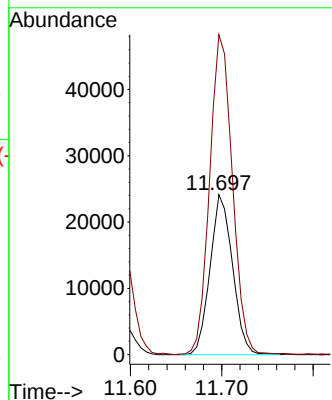
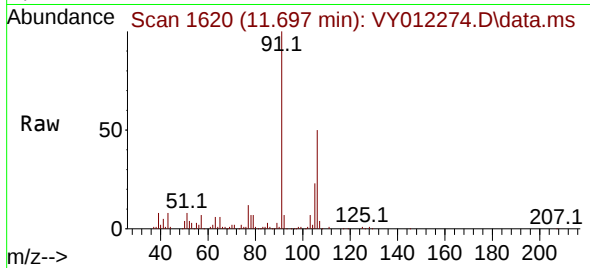




#68
m/p-Xylenes
Concen: 7.231 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

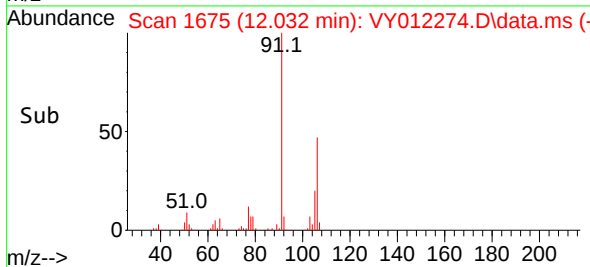
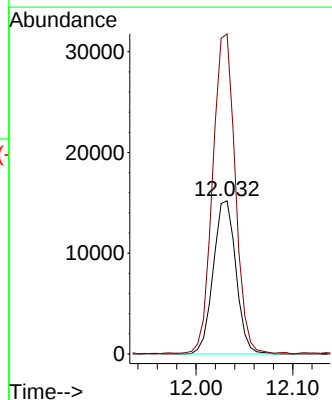
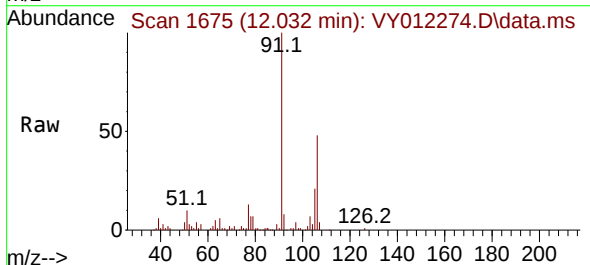
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

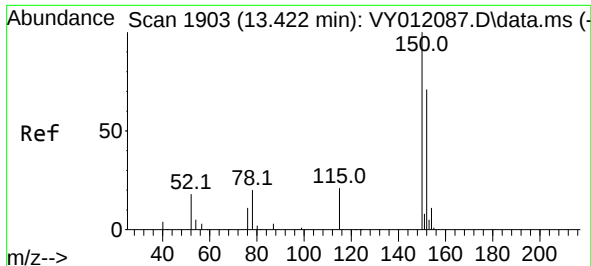
Tgt Ion:106 Resp: 41171
Ion Ratio Lower Upper
106 100
91 203.6 162.5 243.7



#69
o-Xylene
Concen: 4.535 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion:106 Resp: 24661
Ion Ratio Lower Upper
106 100
91 209.7 107.5 322.4

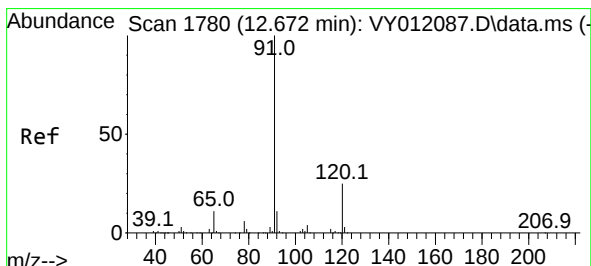
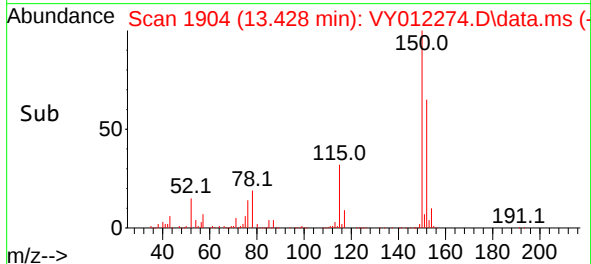
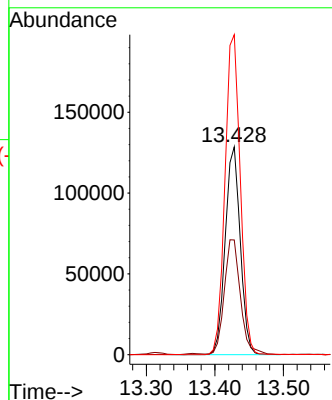
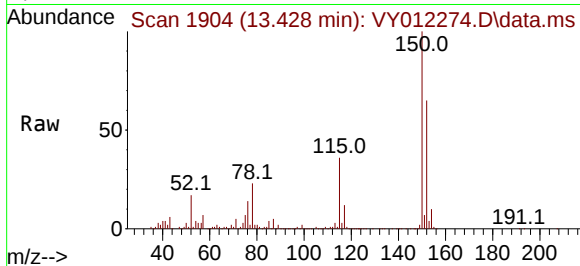




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

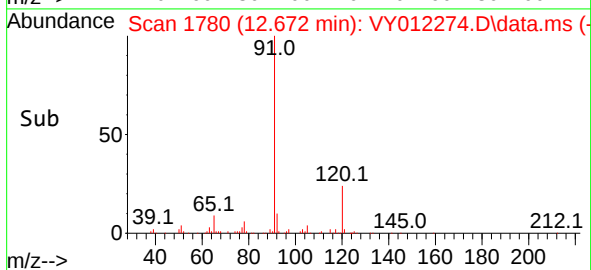
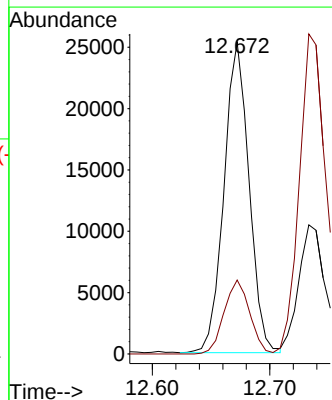
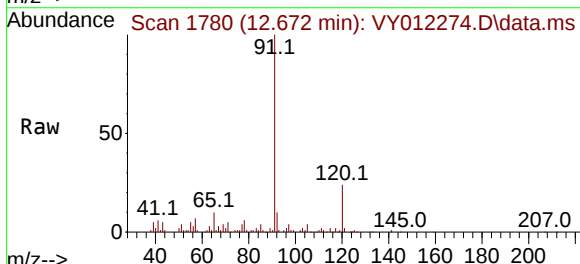
Instrument :
MSVOA_Y
ClientSampleId :
PE-6

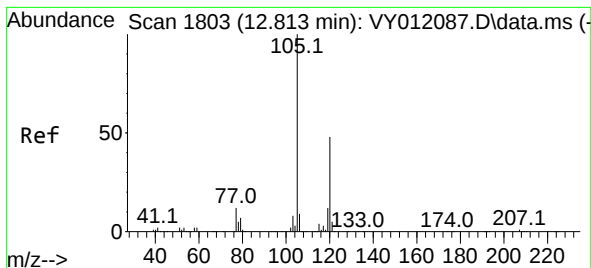
Tgt Ion:152 Resp: 195112
Ion Ratio Lower Upper
152 100
115 59.0 29.1 87.3
150 156.3 0.0 342.6



#78
n-propylbenzene
Concen: 2.280 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Tgt Ion: 91 Resp: 37536
Ion Ratio Lower Upper
91 100
120 24.3 11.8 35.4





#80

1,3,5-Trimethylbenzene

Concen: 5.010 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.001 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

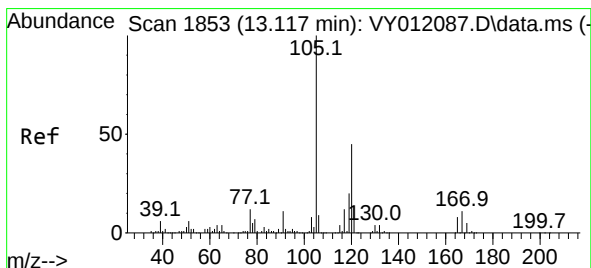
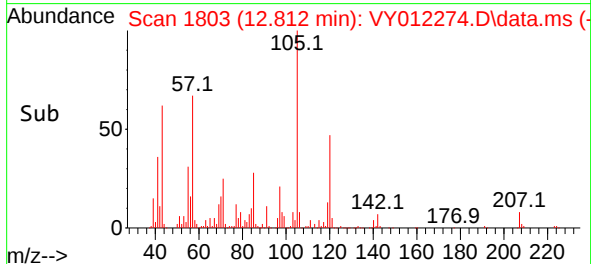
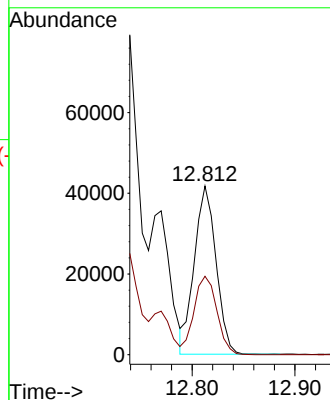
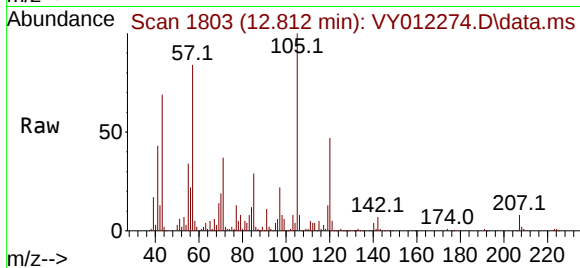
PE-6

Tgt Ion:105 Resp: 61270

Ion Ratio Lower Upper

105 100

120 49.2 24.2 72.6



#84

1,2,4-Trimethylbenzene

Concen: 21.176 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY012274.D

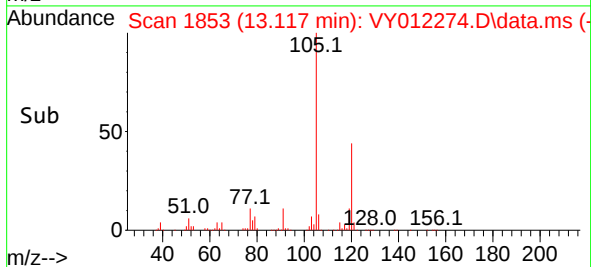
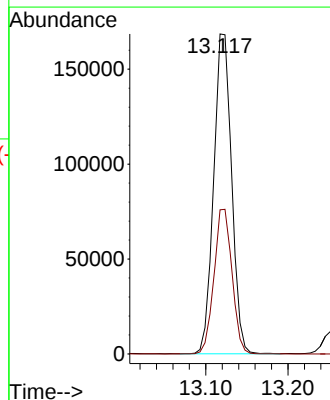
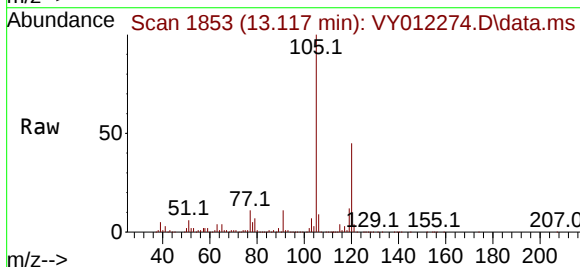
Acq: 19 Jan 2023 18:31

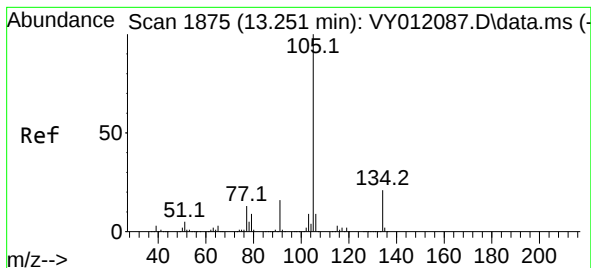
Tgt Ion:105 Resp: 255422

Ion Ratio Lower Upper

105 100

120 45.6 22.9 68.7





#85

sec-Butylbenzene

Concen: 1.204 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

Instrument :

MSVOA_Y

ClientSampleId :

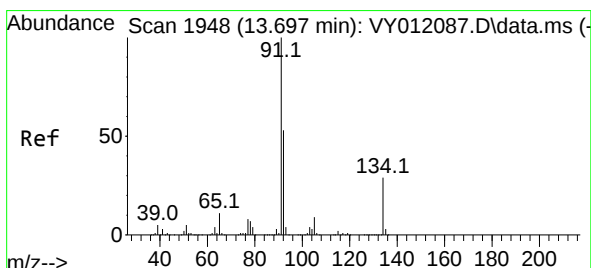
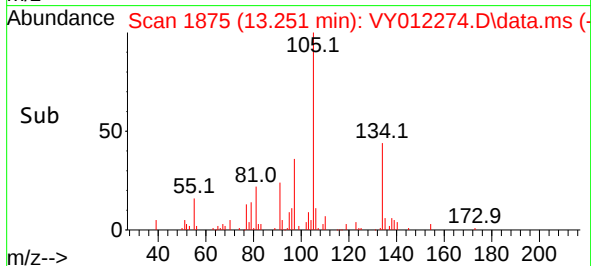
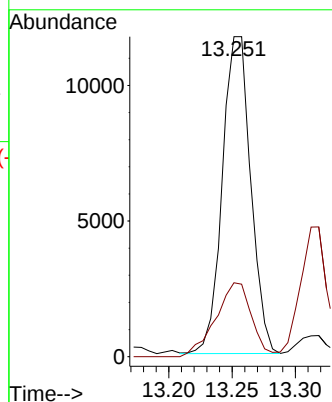
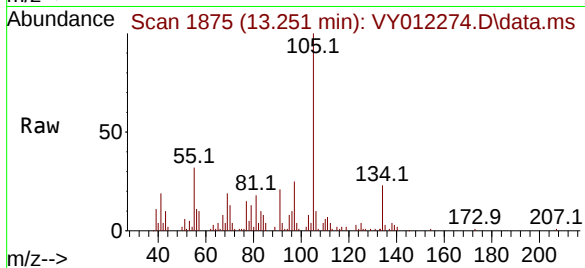
PE-6

Tgt Ion:105 Resp: 18267

Ion Ratio Lower Upper

105 100

134 29.3 10.1 30.3



#89

n-Butylbenzene

Concen: 2.290 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.001 min

Lab File: VY012274.D

Acq: 19 Jan 2023 18:31

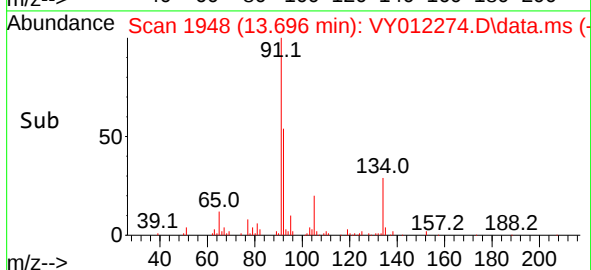
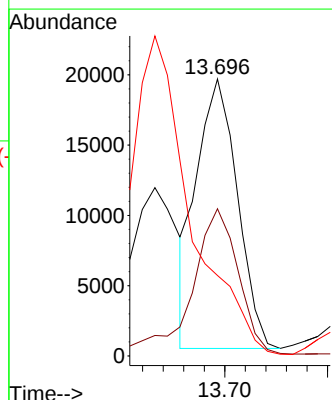
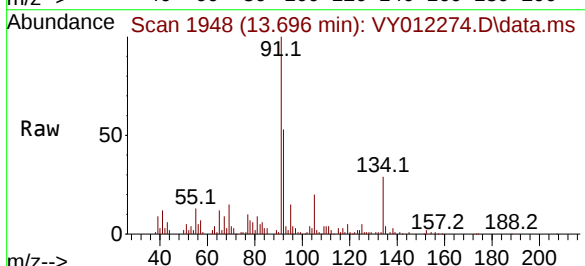
Tgt Ion: 91 Resp: 26313

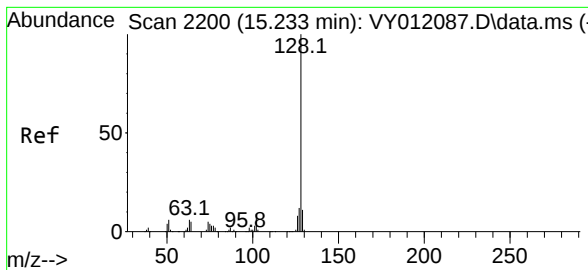
Ion Ratio Lower Upper

91 100

92 61.5 26.8 80.4

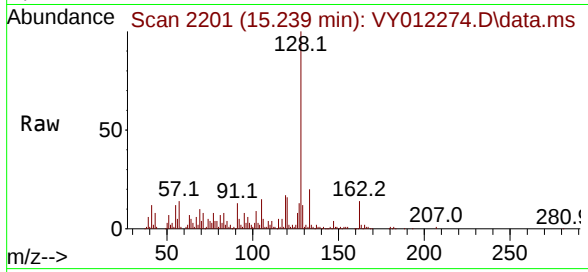
134 0.0 13.3 39.8#





#95
Naphthalene
Concen: 9.967 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY012274.D
Acq: 19 Jan 2023 18:31

Instrument :
MSVOA_Y
ClientSampleId :
PE-6



Tgt Ion:128 Resp: 75736
Ion Ratio Lower Upper
128 100
127 15.6 10.2 15.2#
129 12.8 8.8 13.2

