

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112223\
 Data File : VY016464.D
 Acq On : 22 Nov 2023 15:57
 Operator : SY/MD
 Sample : 05507-01RE
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-11202023RE

Quant Time: Nov 23 04:07:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

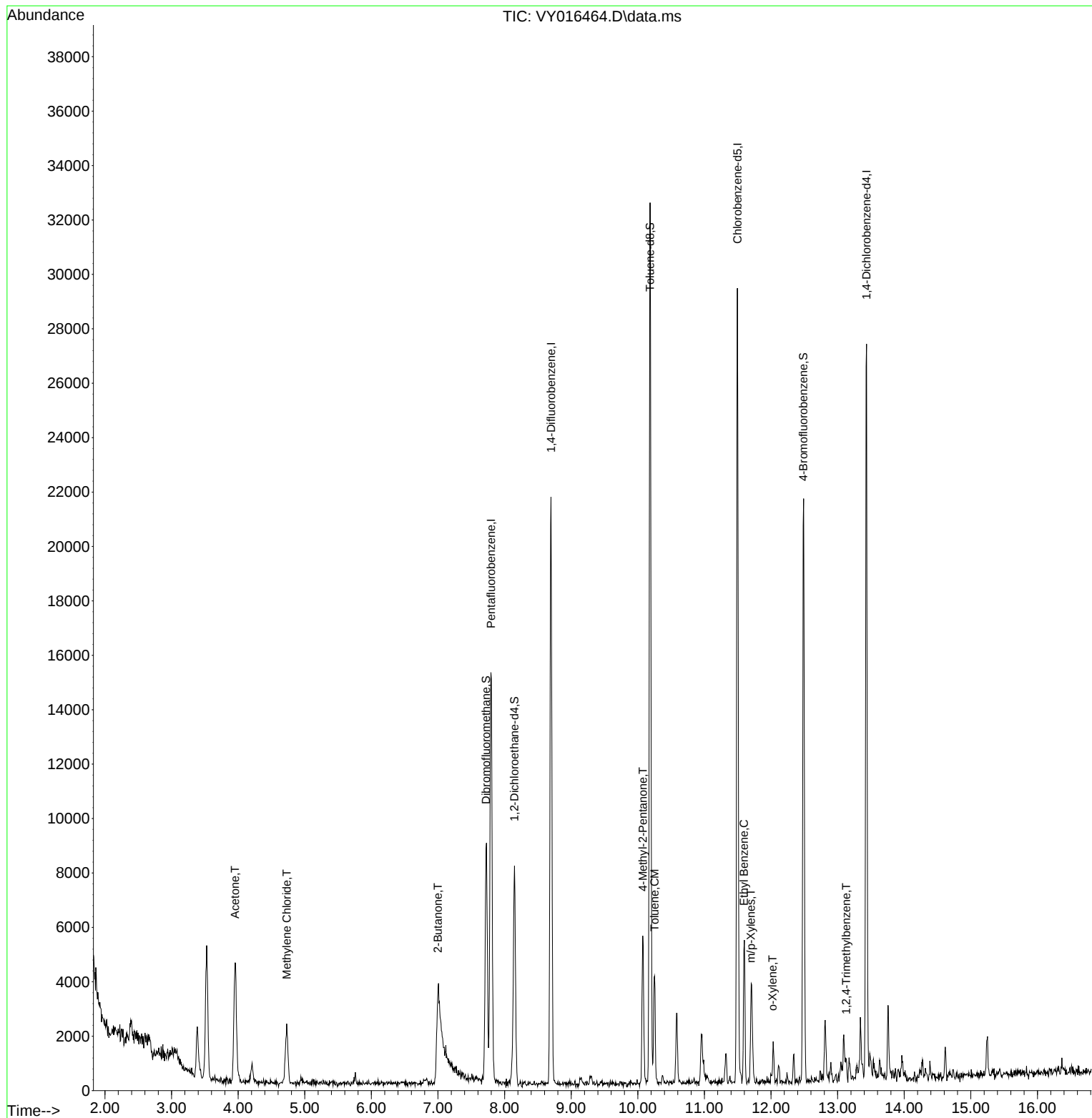
Internal Standards						
1) Pentafluorobenzene	7.795	168	12896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	19883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	17432	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	7491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	6293	53.392	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.780%	
35) Dibromofluoromethane	7.722	113	6401	56.672	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.340%	
50) Toluene-d8	10.185	98	22849	49.886	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.780%	
62) 4-Bromofluorobenzene	12.483	95	6669	44.830	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 89.660%	
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	7867	403.514	ug/l #	88
20) Methylene Chloride	4.728	84	1755	9.955	ug/l #	91
25) 2-Butanone	6.996	43	2533	74.176	ug/l #	87
51) 4-Methyl-2-Pentanone	10.075	43	3742	48.310	ug/l	91
52) Toluene	10.252	92	1997	5.733	ug/l	92
67) Ethyl Benzene	11.593	91	3971	5.933	ug/l #	84
68) m/p-Xylenes	11.697	106	1191	4.691	ug/l	99
69) o-Xylene	12.026	106	441	1.871	ug/l	98
84) 1,2,4-Trimethylbenzene	13.129	105	697	1.447	ug/l	94

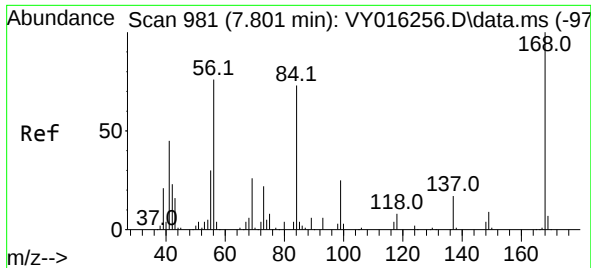
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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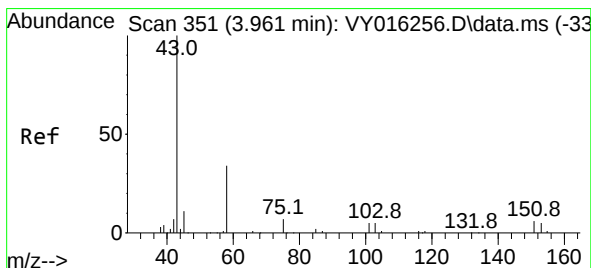
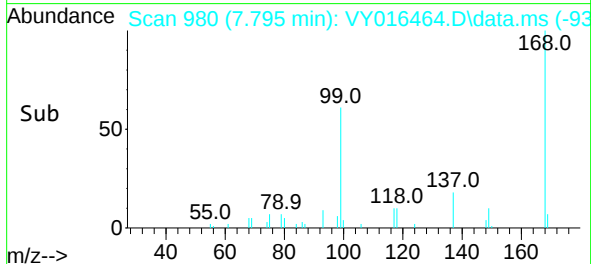
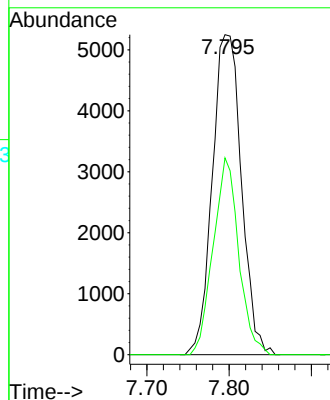
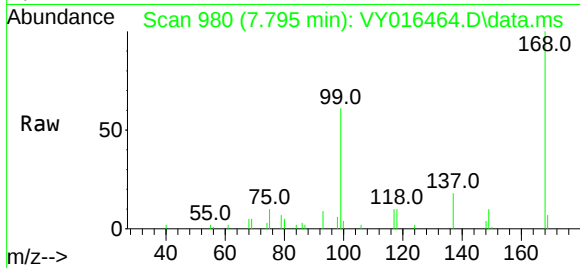




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

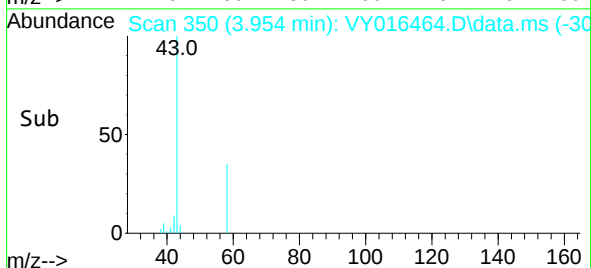
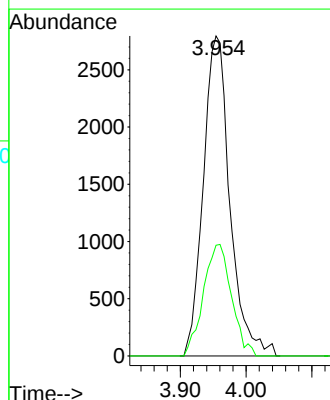
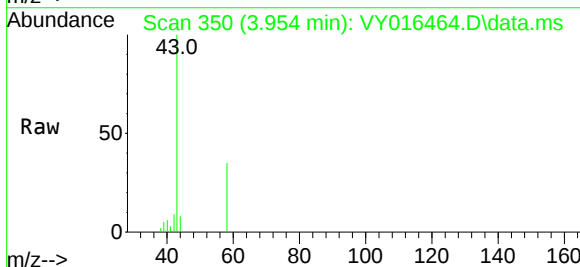
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-11202023RE

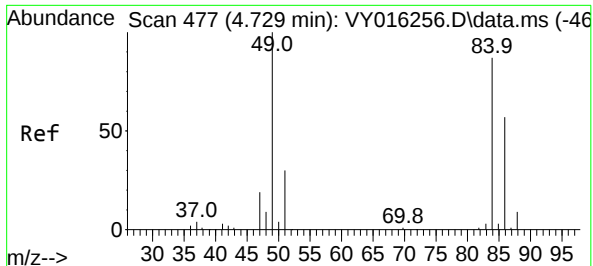
Tgt Ion:168 Resp: 12896
Ion Ratio Lower Upper
168 100
99 61.5 43.4 65.0



#16
Acetone
Concen: 403.514 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion: 43 Resp: 7867
Ion Ratio Lower Upper
43 100
58 34.6 22.7 34.1#





#20

Methylene Chloride

Concen: 9.955 ug/l

RT: 4.728 min Scan# 41

Delta R.T. -0.001 min

Lab File: VY016464.D

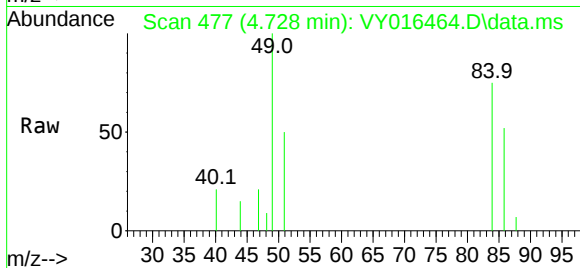
Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-11202023RE



Tgt Ion: 84 Resp: 1755

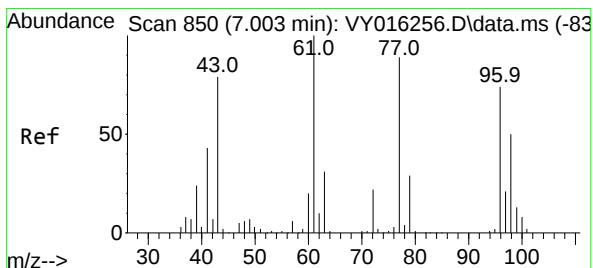
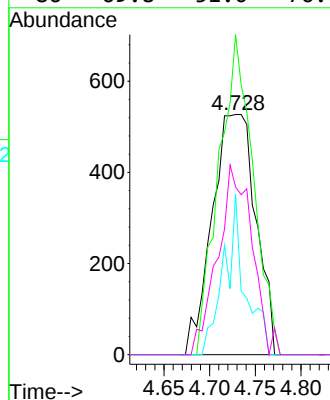
Ion Ratio Lower Upper

84 100

49 133.2 106.9 160.3

51 66.8 33.2 49.8#

86 69.8 51.0 76.6



#25

2-Butanone

Concen: 74.176 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY016464.D

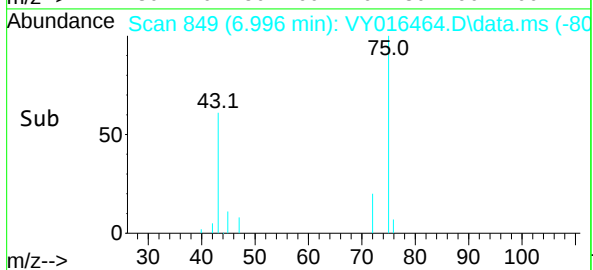
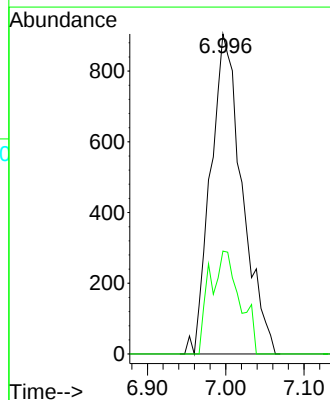
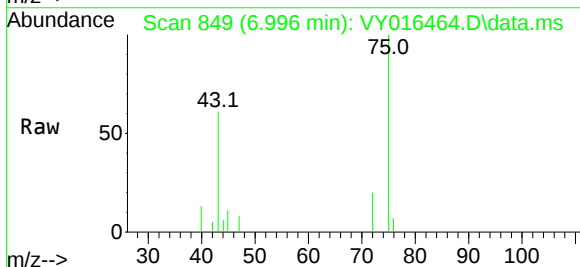
Acq: 22 Nov 2023 15:57

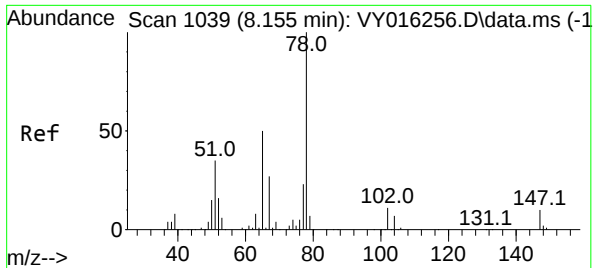
Tgt Ion: 43 Resp: 2533

Ion Ratio Lower Upper

43 100

72 32.2 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 53.392 ug/l

RT: 8.149 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

ClientSampleId :

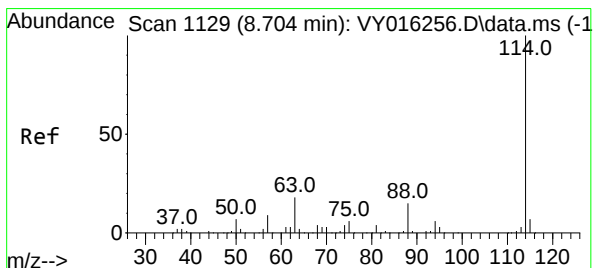
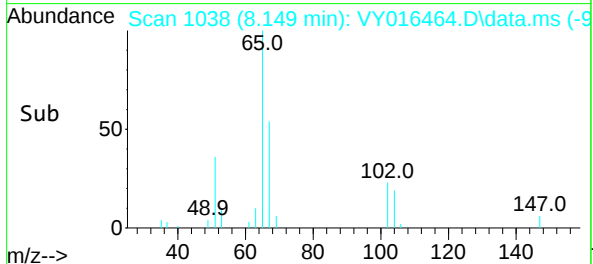
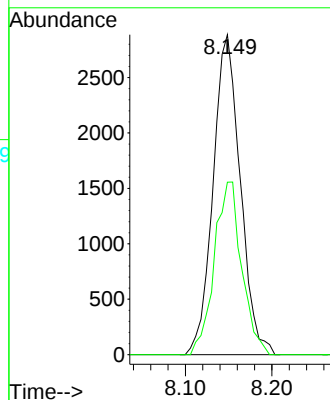
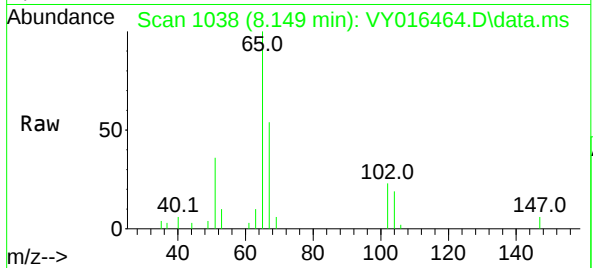
SU-04-11202023RE

Tgt Ion: 65 Resp: 6293

Ion Ratio Lower Upper

65 100

67 54.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VY016464.D

Acq: 22 Nov 2023 15:57

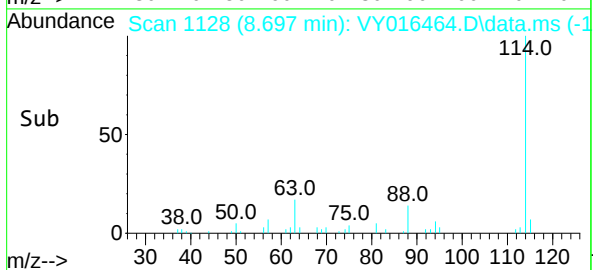
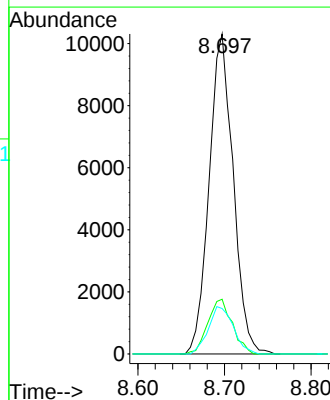
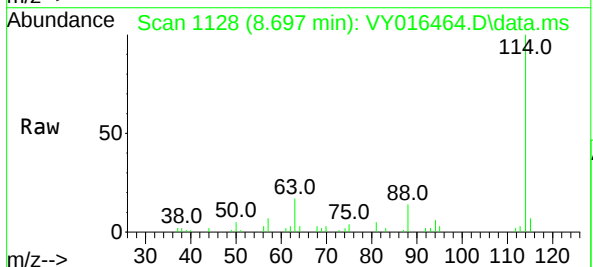
Tgt Ion: 114 Resp: 19883

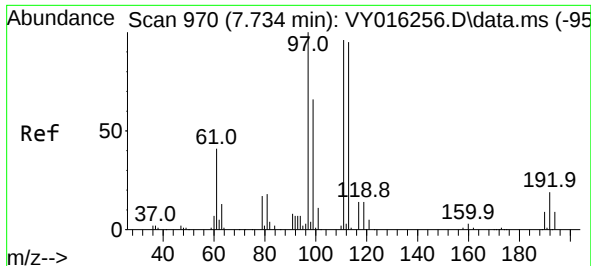
Ion Ratio Lower Upper

114 100

63 17.1 0.0 42.4

88 14.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 56.672 ug/l

RT: 7.722 min Scan# 91

Delta R.T. -0.012 min

Lab File: VY016464.D

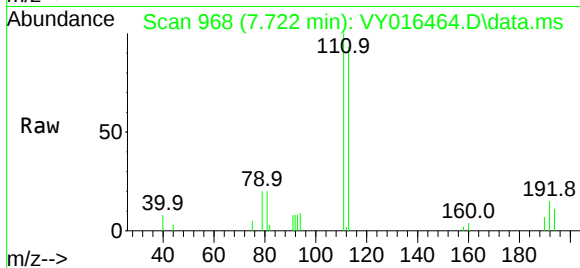
Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-11202023RE



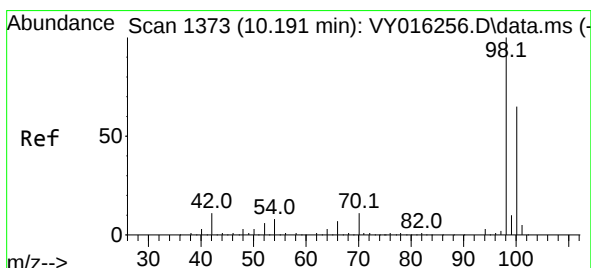
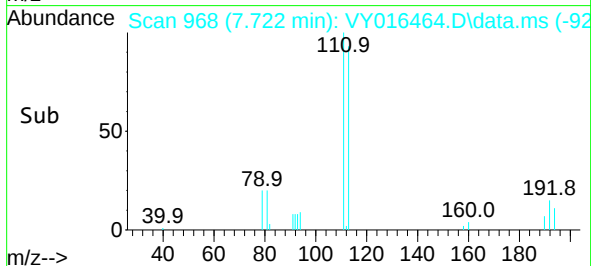
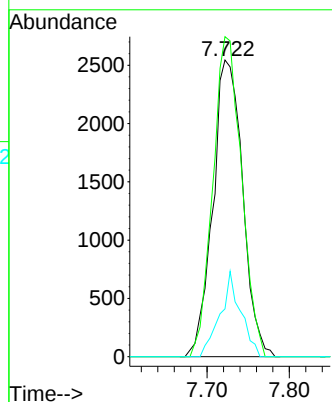
Tgt Ion:113 Resp: 6401

Ion Ratio Lower Upper

113 100

111 103.6 81.3 121.9

192 19.9 16.9 25.3



#50

Toluene-d8

Concen: 49.886 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. -0.006 min

Lab File: VY016464.D

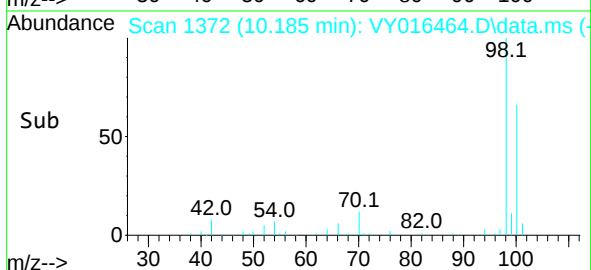
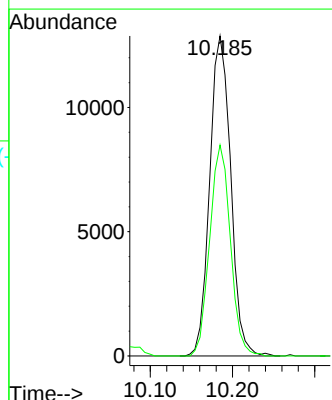
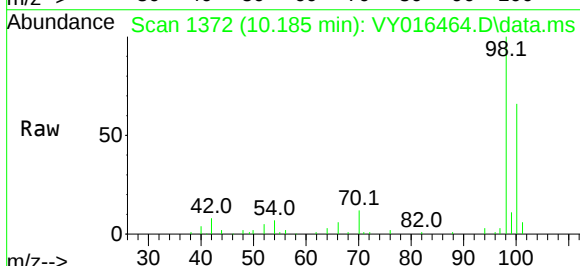
Acq: 22 Nov 2023 15:57

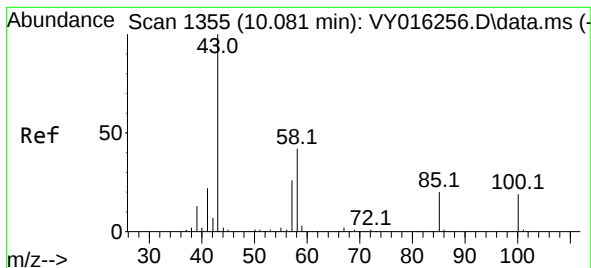
Tgt Ion: 98 Resp: 22849

Ion Ratio Lower Upper

98 100

100 65.0 50.1 75.1

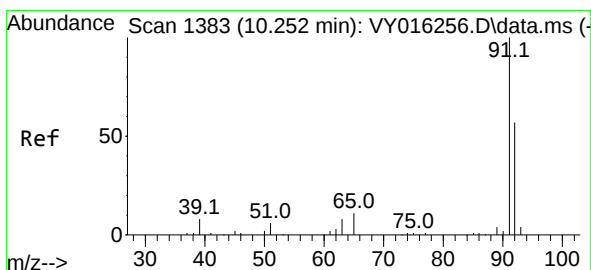
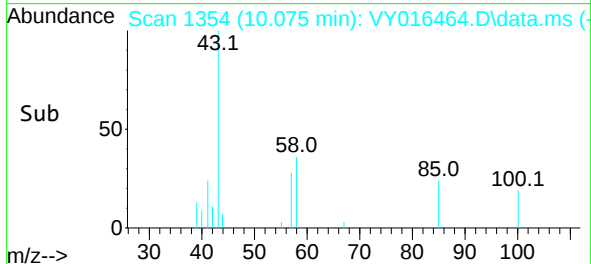
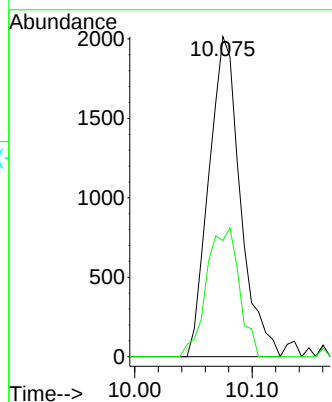
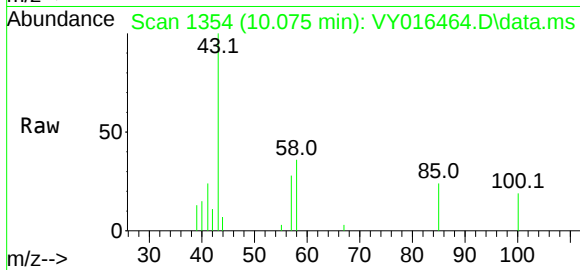




#51
4-Methyl-2-Pentanone
Concen: 48.310 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

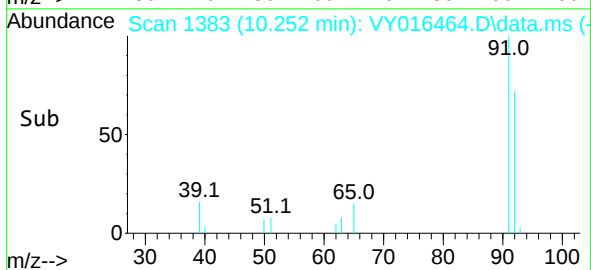
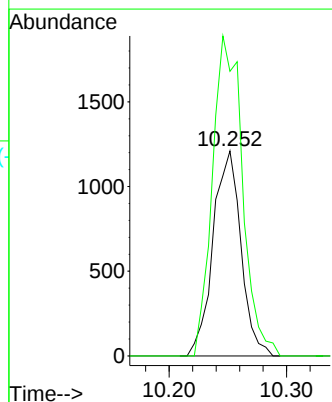
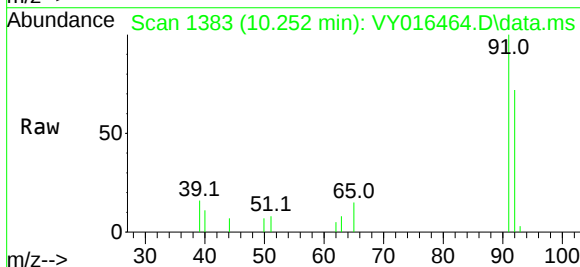
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ClientSampleId :
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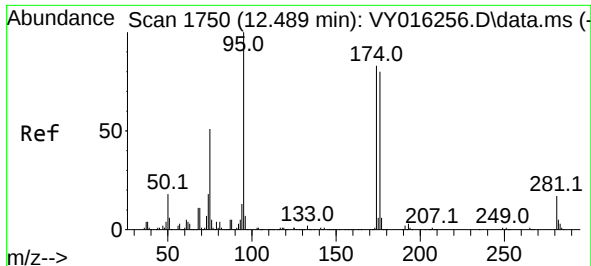
Tgt Ion: 43 Resp: 3742
Ion Ratio Lower Upper
43 100
58 41.6 29.0 43.6



#52
Toluene
Concen: 5.733 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion: 92 Resp: 1997
Ion Ratio Lower Upper
92 100
91 167.9 143.8 215.6

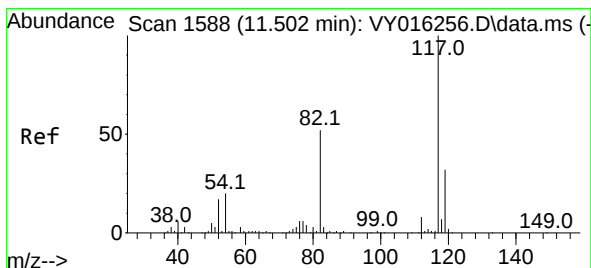
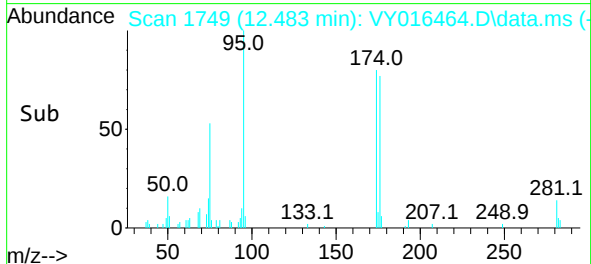
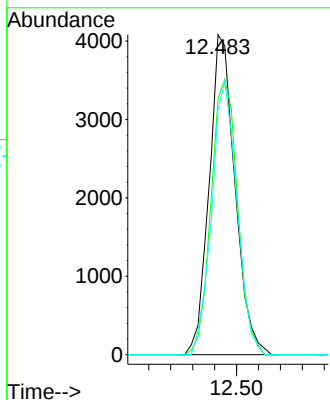
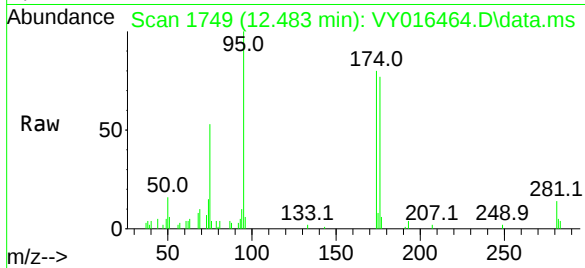




#62
4-Bromofluorobenzene
Concen: 44.830 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

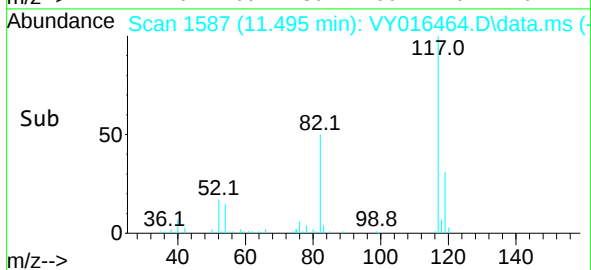
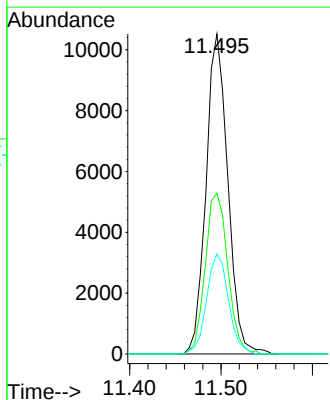
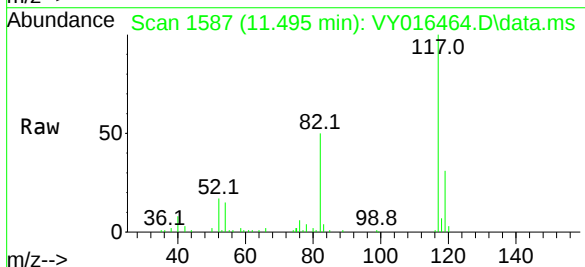
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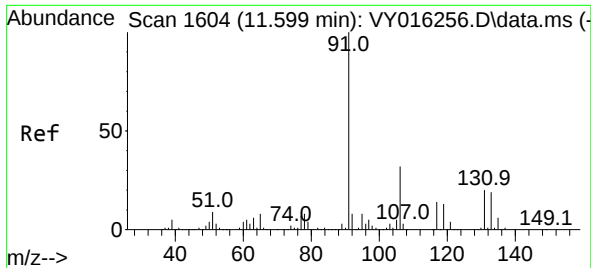
Tgt Ion:	95	Resp:	6669
Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	178.2
176	84.0	0.0	173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion:	117	Resp:	17432
Ion	Ratio	Lower	Upper
117	100		
82	50.2	43.4	65.0
119	31.2	26.3	39.5

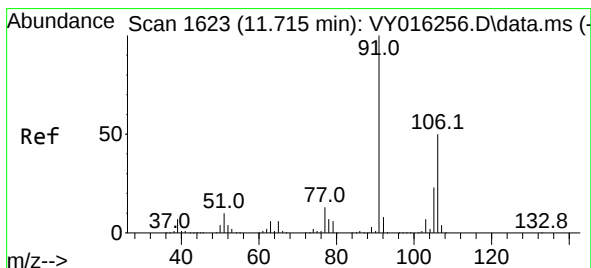
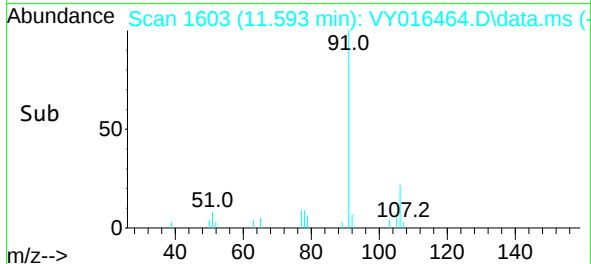
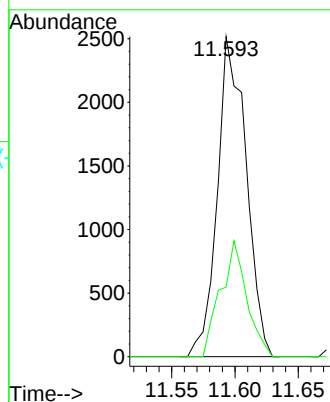
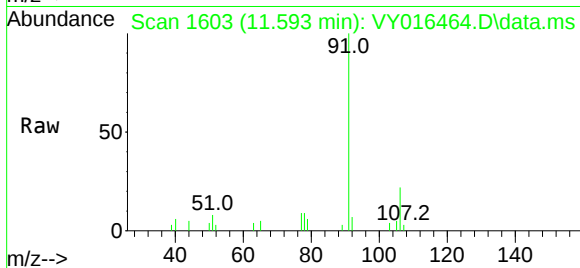




#67
Ethyl Benzene
Concen: 5.933 ug/l
RT: 11.593 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

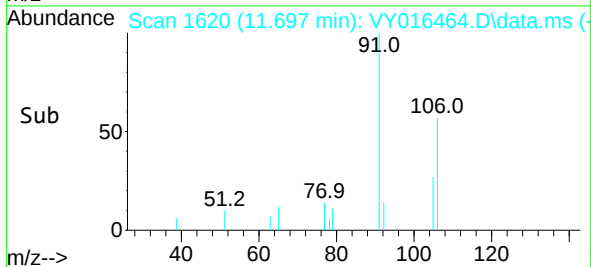
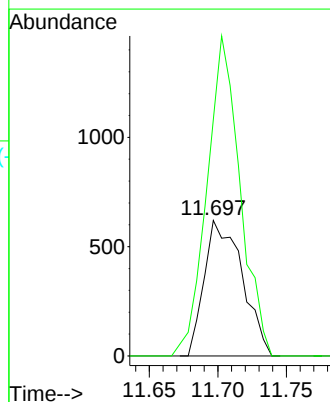
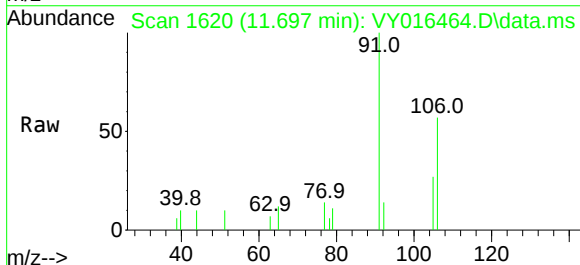
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-11202023RE

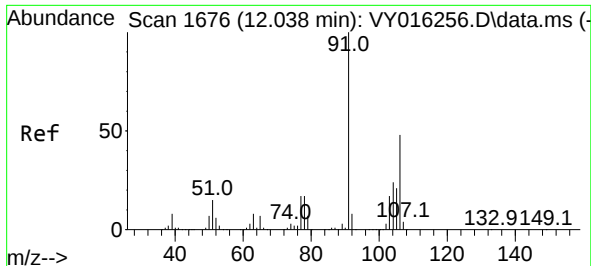
Tgt Ion: 91 Resp: 3971
Ion Ratio Lower Upper
91 100
106 21.8 24.6 36.8#



#68
m/p-Xylenes
Concen: 4.691 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.019 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion: 106 Resp: 1191
Ion Ratio Lower Upper
106 100
91 206.8 166.1 249.1

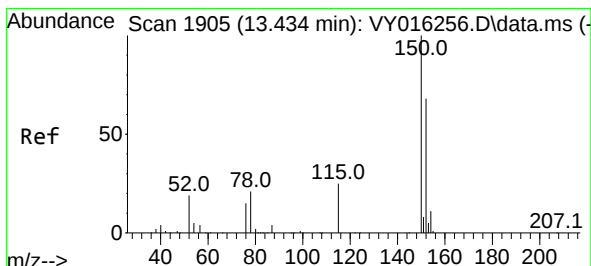
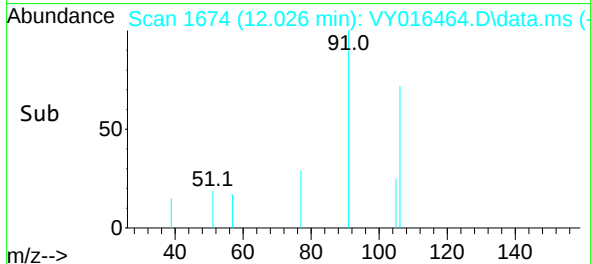
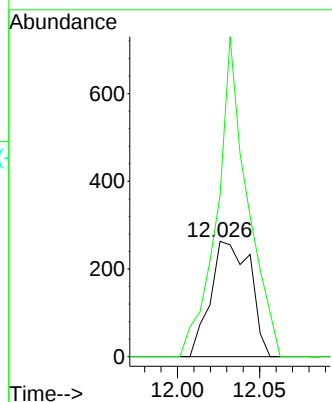
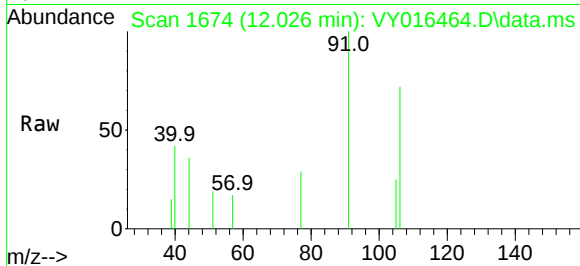




#69
o-Xylene
Concen: 1.871 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

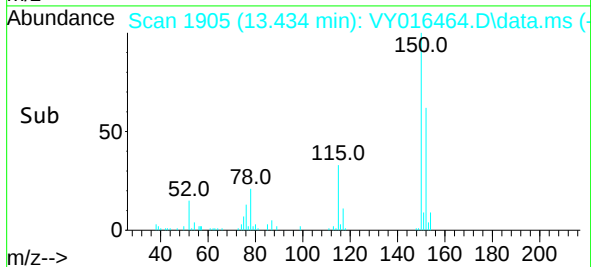
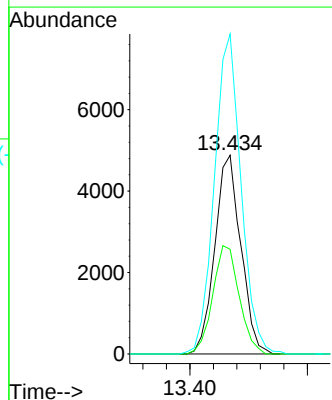
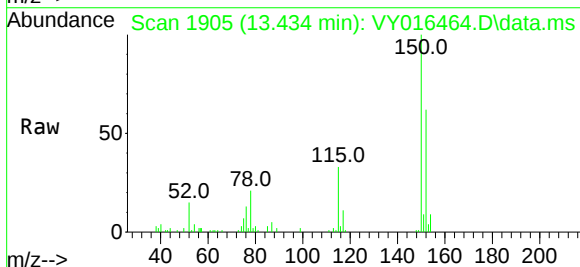
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-11202023RE

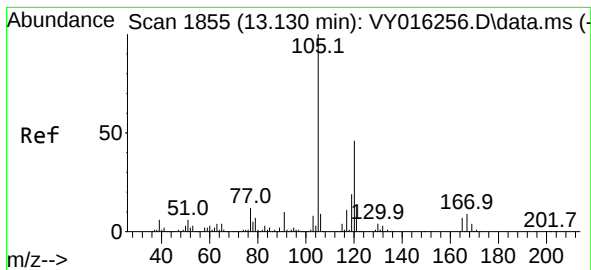
Tgt Ion:106 Resp: 441
Ion Ratio Lower Upper
106 100
91 212.9 108.1 324.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016464.D
Acq: 22 Nov 2023 15:57

Tgt Ion:152 Resp: 7491
Ion Ratio Lower Upper
152 100
115 55.4 28.8 86.5
150 165.1 0.0 348.8





#84

1,2,4-Trimethylbenzene

Concen: 1.447 ug/l

RT: 13.129 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016464.D

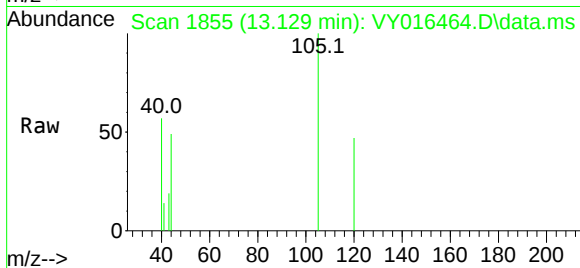
Acq: 22 Nov 2023 15:57

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-11202023RE



Tgt Ion:105 Resp: 697

Ion Ratio Lower Upper

105 100

120 48.5 22.2 66.6

