

Data File : VR025456.D
Acq On : 12 Jul 2018 17:33
Operator : SY/MD
Sample : J3960-02MS
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
C0AF9MS

Quant Time: Jul 13 01:20:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR070518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 13 00:37:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	739788	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	597524	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	201826	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	105223	5.16	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.20%
7) Chloroethane-d5	2.62	69	86728	4.99	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	3.63	63	310743	5.03	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.60%
20) 2-Butanone-d5	6.59	46	305949	48.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	7.20	84	471883	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	7.89	65	178520	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	7.86	84	1025635	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	8.90	67	289510	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	9.97	98	872457	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
43) trans-1,3-Dichloropropene-	10.24	79	74879	4.87	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.40%
46) 2-Hexanone-d5	10.59	63	267153	53.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.56%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	120839	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	188867	5.67	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.40%

Target Compounds

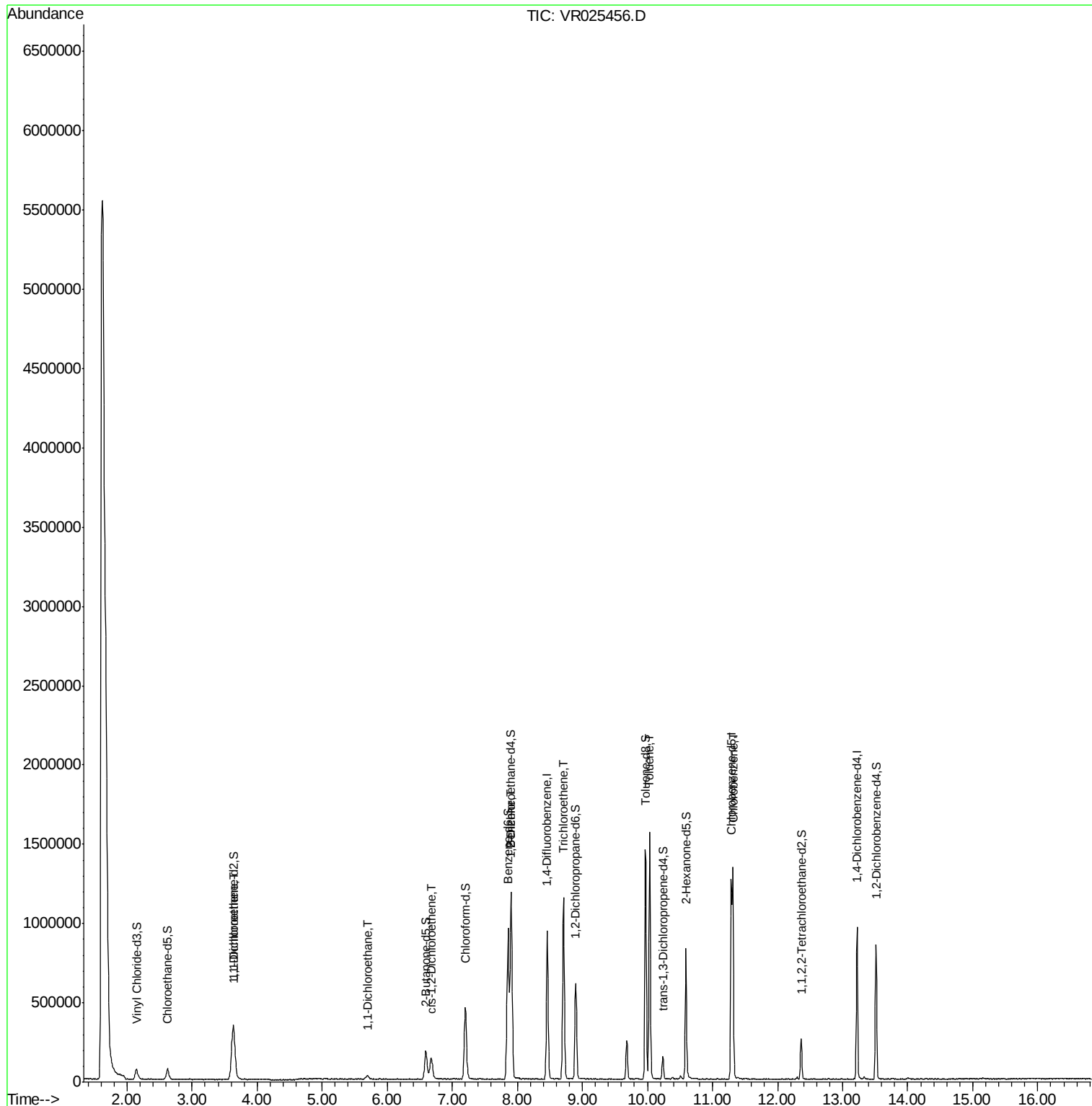
					Qvalue
12) 1,1-Dichloroethene	3.65	96	109803	4.965 ug/L	96
19) 1,1-Dichloroethane	5.70	63	34299	0.363 ug/L #	90
22) cis-1,2-Dichloroethene	6.67	96	80808	1.600 ug/L #	90
33) Benzene	7.91	78	1051732	5.106 ug/L	100
34) Trichloroethene	8.71	95	411819	7.854 ug/L	99
42) Toluene	10.03	91	1064193	5.313 ug/L	99
51) Chlorobenzene	11.31	112	605846	4.968 ug/L	98

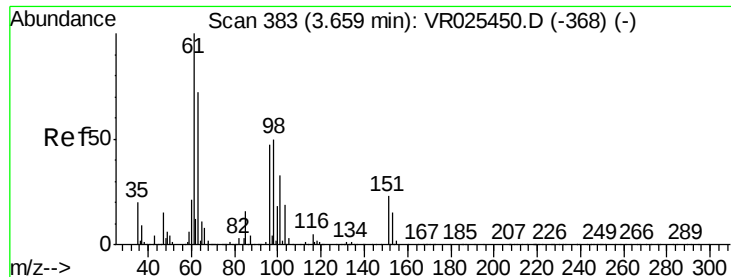
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.965 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

C0AF9MS

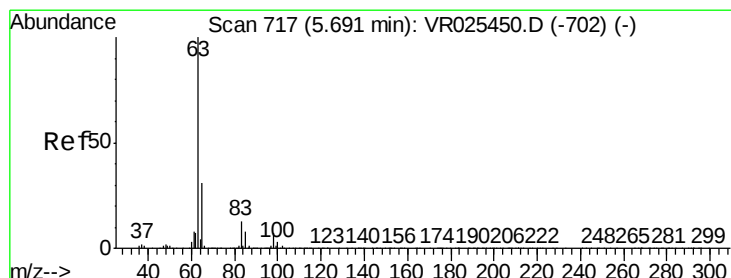
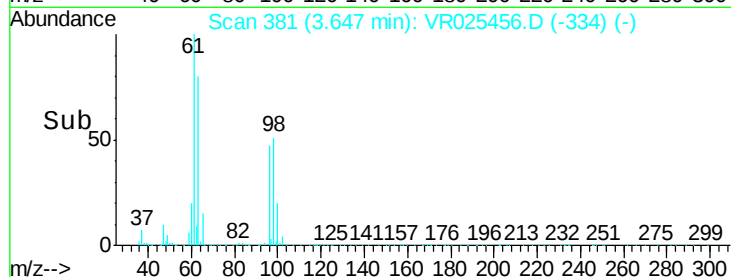
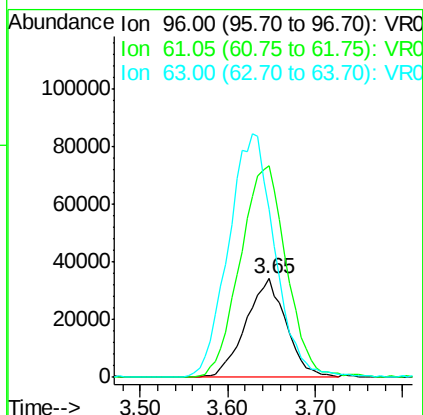
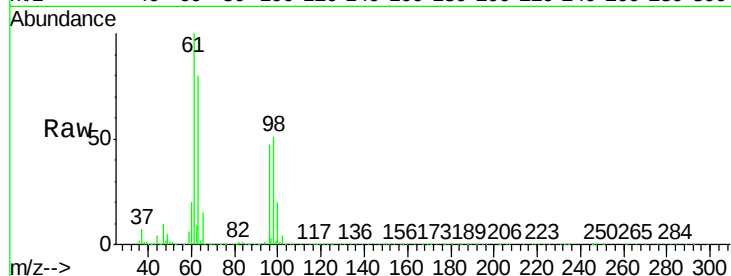
Tgt Ion: 96 Resp: 109803

Ion Ratio Lower Upper

96 100

61 214.0 155.0 287.9

63 170.8 122.3 227.1



#19

1,1-Dichloroethane

Concen: 0.363 ug/L

RT: 5.70 min Scan# 718

Delta R.T. 0.01 min

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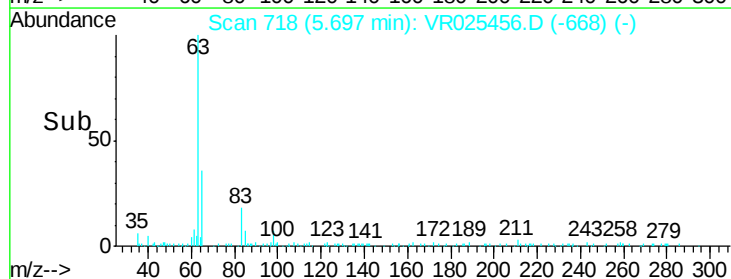
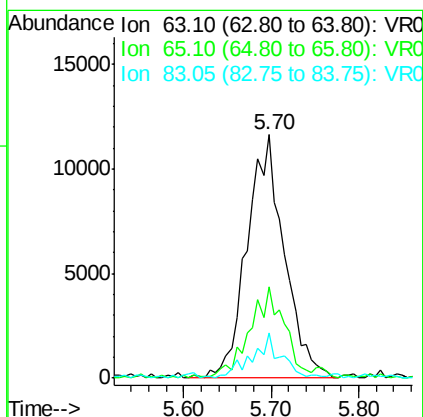
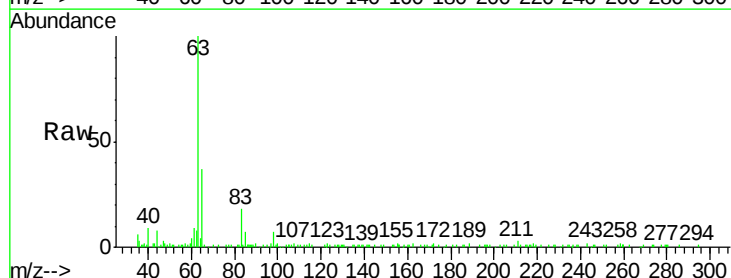
Tgt Ion: 63 Resp: 34299

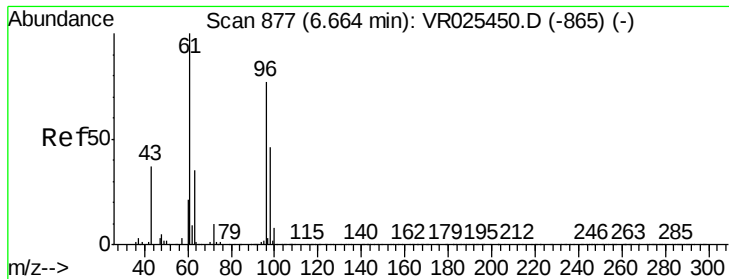
Ion Ratio Lower Upper

63 100

65 37.5 22.5 41.7

83 18.3 9.5 17.7#





#22

cis-1,2-Dichloroethene

Concen: 1.600 ug/L

RT: 6.67 min Scan# 878

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

C0AF9MS

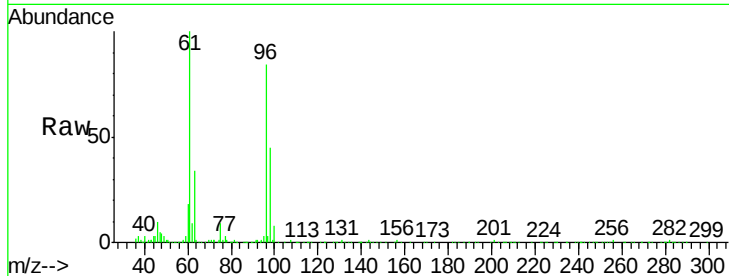
Tgt Ion: 96 Resp: 80808

Ion Ratio Lower Upper

96 100

61 118.8 91.0 169.0

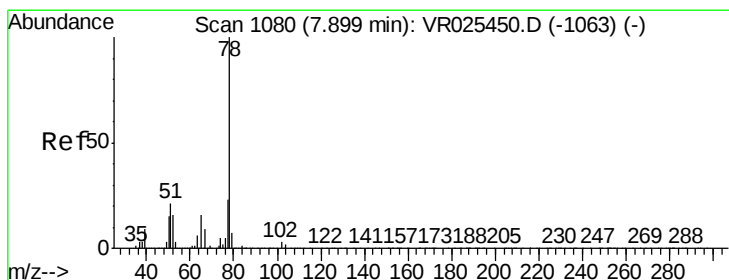
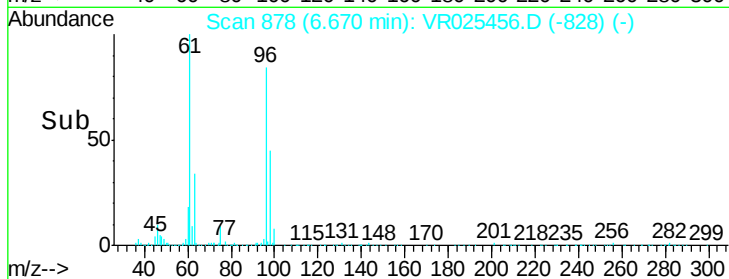
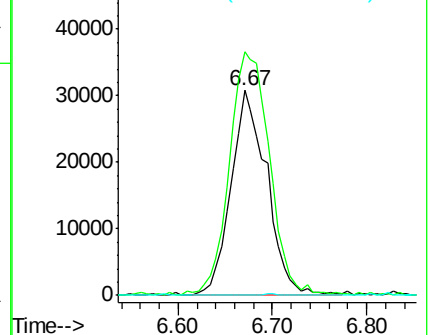
68 0.3 0.0 0.0#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0



#33

Benzene

Concen: 5.106 ug/L

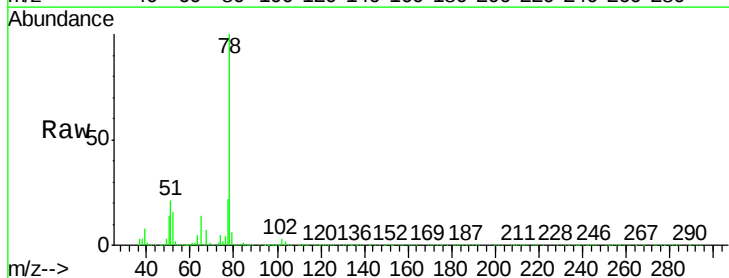
RT: 7.91 min Scan# 1081

Delta R.T. 0.01 min

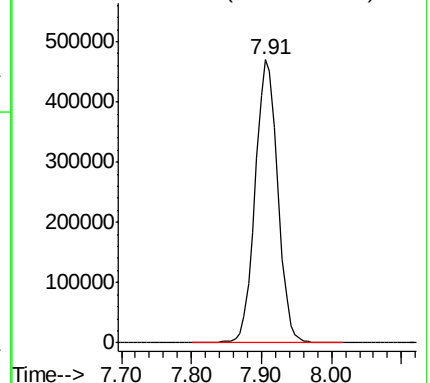
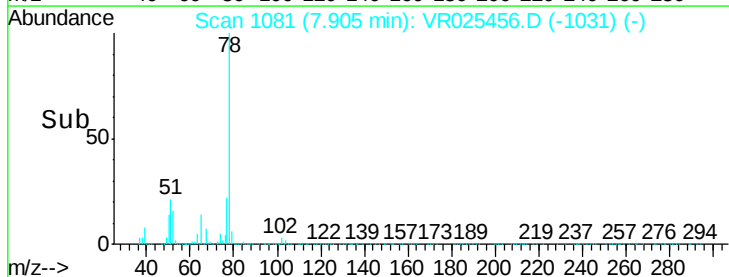
Lab File: VR025456.D

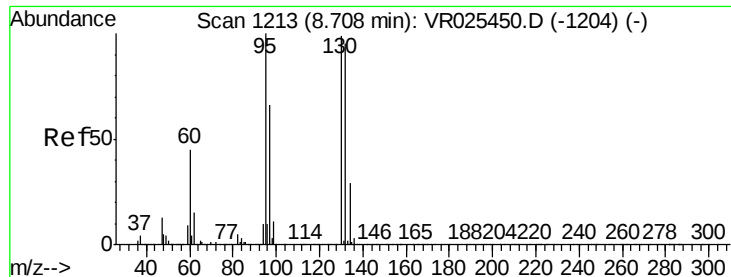
Acq: 12 Jul 2018 17:33

Tgt Ion: 78 Resp: 1051732



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 7.854 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025456.D

Acq: 12 Jul 2018 17:33

Instrument :

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ClientSampleId :

C0AF9MS

Tgt Ion: 95 Resp: 411819

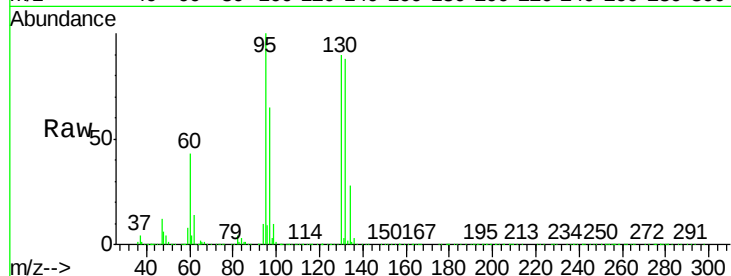
Ion Ratio Lower Upper

95 100

97 64.5 45.6 84.6

132 88.2 60.9 113.1

130 89.5 62.0 115.2

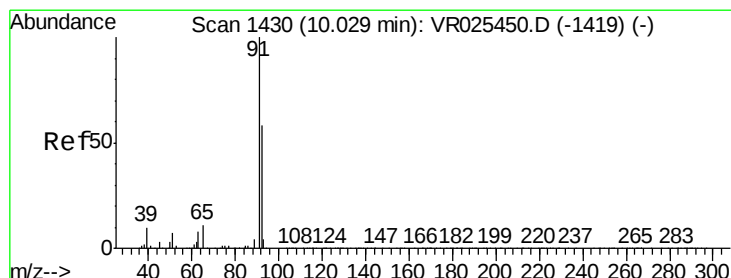
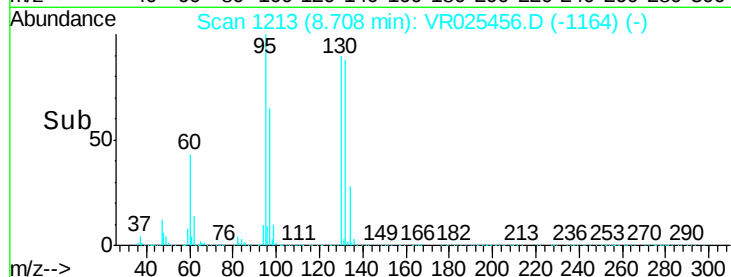
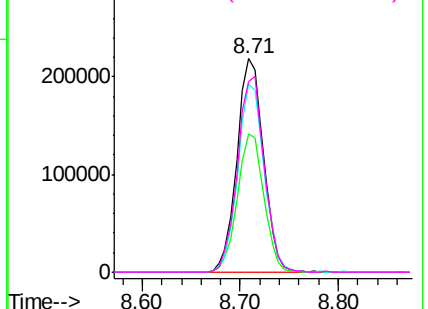


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#42

Toluene

Concen: 5.313 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.01 min

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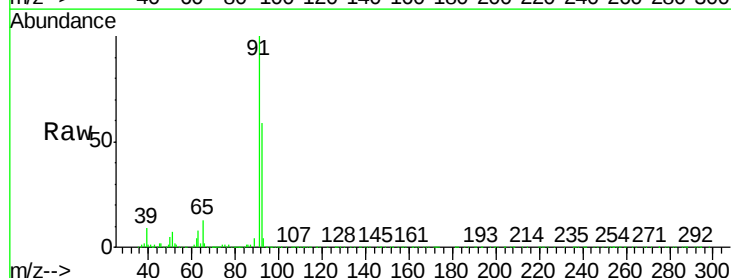
Acq: 12 Jul 2018 17:33

Tgt Ion: 91 Resp: 1064193

Ion Ratio Lower Upper

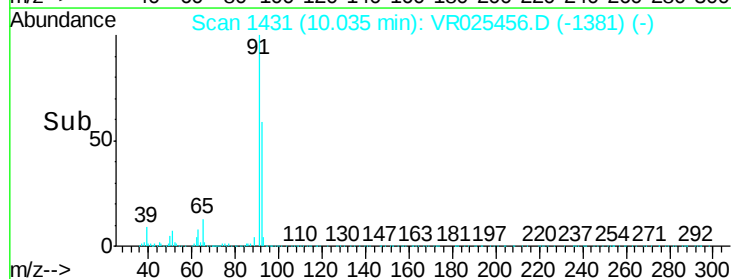
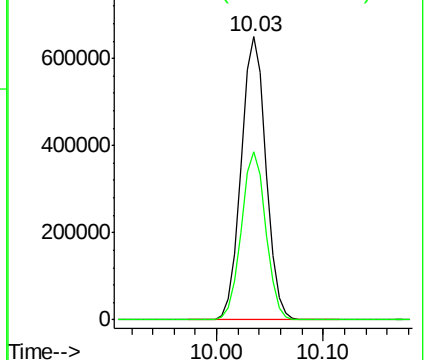
91 100

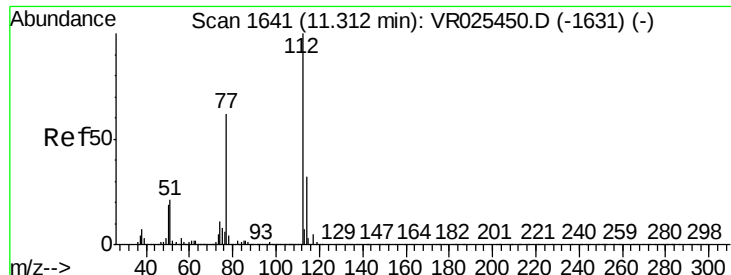
92 59.3 41.9 77.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0





#51
Chlorobenzene
Concen: 4.968 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025456.D
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Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	21.6	40.0
77	63.2	51.9	77.9

