

Data File : VR025457.D
Acq On : 12 Jul 2018 18:07
Operator : SY/MD
Sample : J3960-03MSD
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
C0AF9MSD

Quant Time: Jul 13 01:23:37 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	735689	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	590772	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	197412	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	105465	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	2.62	69	88062	5.09	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	3.63	63	307606	5.01	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.20%
20) 2-Butanone-d5	6.59	46	300917	47.77	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.54%
24) Chloroform-d	7.20	84	468757	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	7.90	65	181679	4.73	ug/L	0.01
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	7.86	84	1016548	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.80%
36) 1,2-Dichloropropane-d6	8.90	67	291854	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	9.97	98	886320	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
43) trans-1,3-Dichloropropene-	10.24	79	73795	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	10.59	63	271395	55.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.52%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	118415	4.62	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	189634	5.82	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.40%

Target Compounds

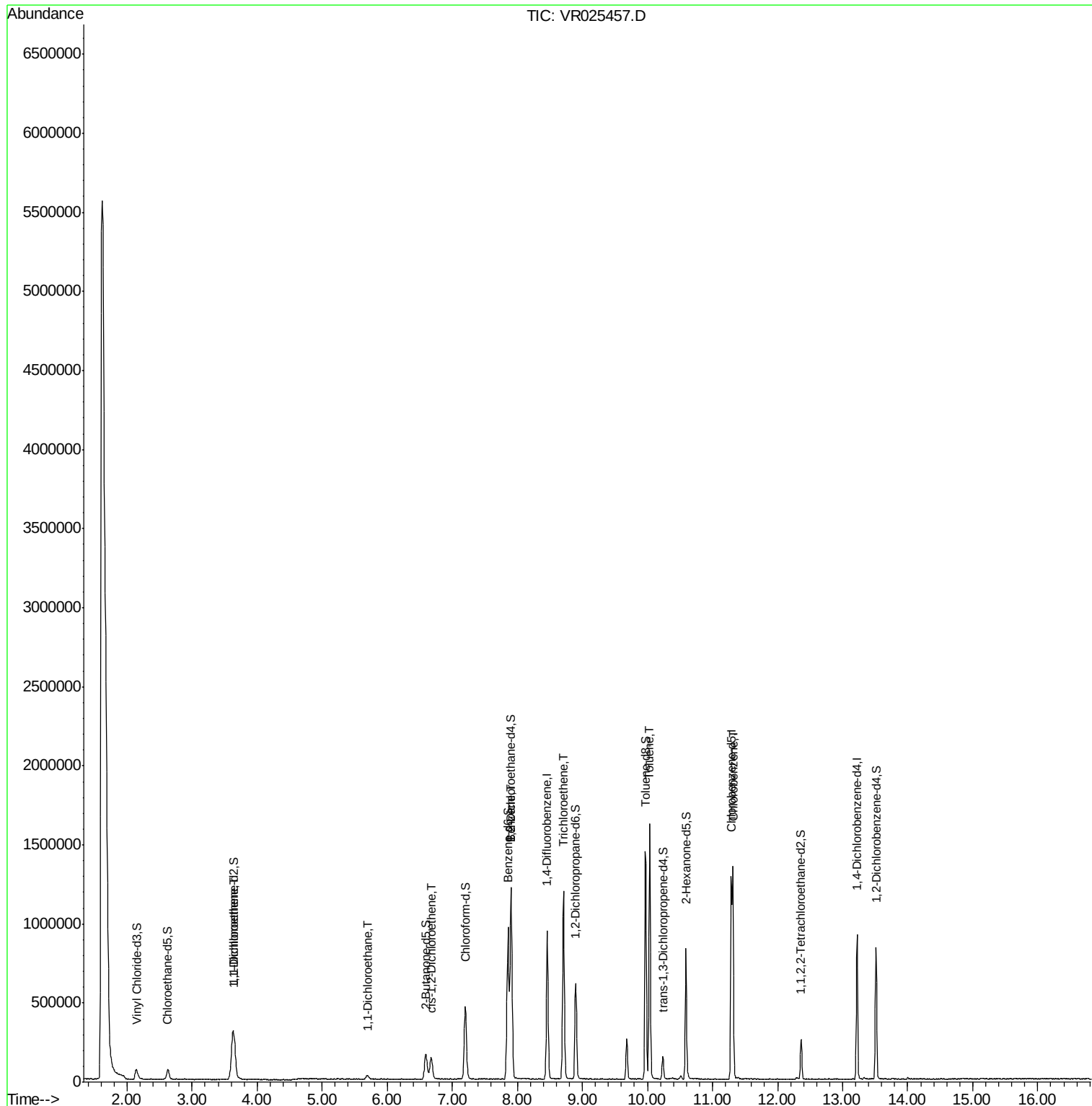
					Qvalue
12) 1,1-Dichloroethene	3.65	96	114895	5.224 ug/L	93
19) 1,1-Dichloroethane	5.69	63	35351	0.377 ug/L	93
22) cis-1,2-Dichloroethene	6.68	96	84695	1.687 ug/L #	80
33) Benzene	7.91	78	1057793	5.194 ug/L	100
34) Trichloroethene	8.71	95	418713	8.077 ug/L	98
42) Toluene	10.03	91	1090838	5.509 ug/L	98
51) Chlorobenzene	11.31	112	609896	5.058 ug/L	99

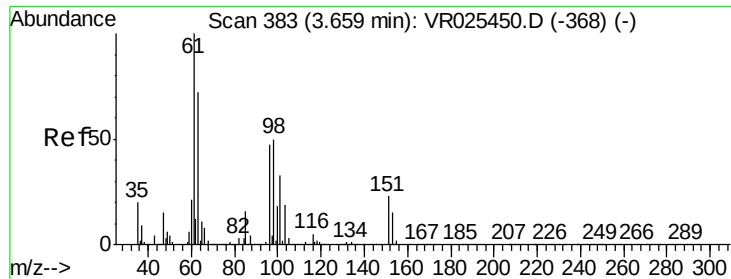
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 5.224 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

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Instrument :

MSVOA_R

ClientSampleId :

C0AF9MSD

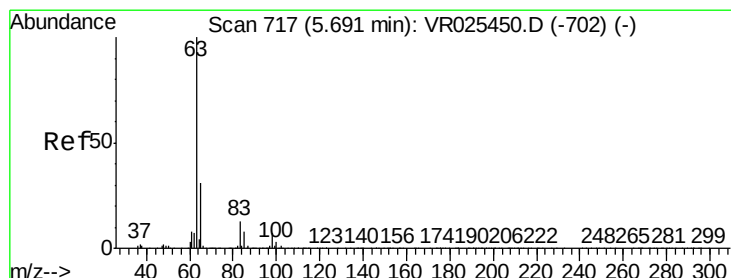
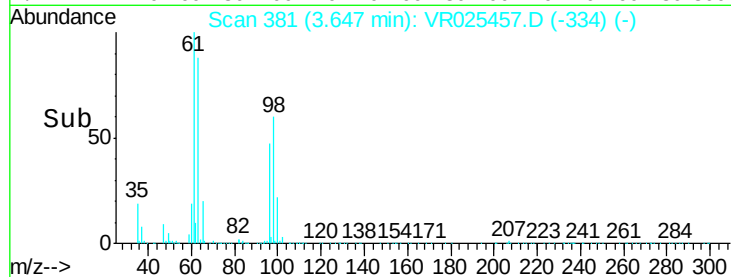
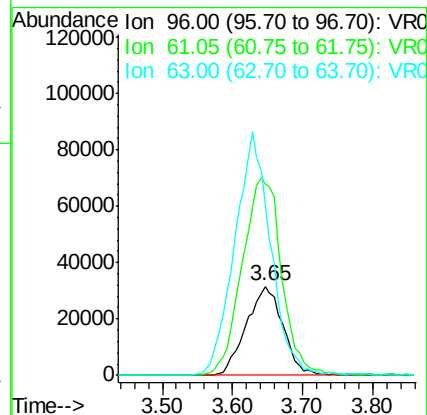
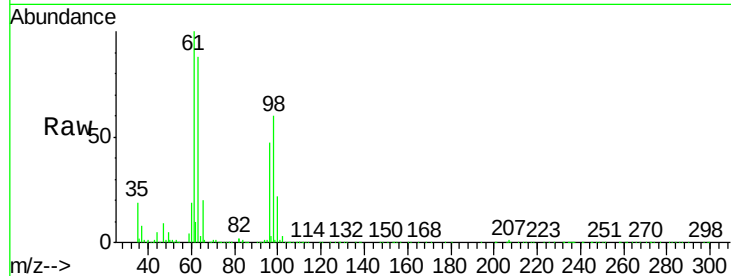
Tgt Ion: 96 Resp: 114895

Ion Ratio Lower Upper

96 100

61 214.8 155.0 287.9

63 189.6 122.3 227.1



#19

1,1-Dichloroethane

Concen: 0.377 ug/L

RT: 5.69 min Scan# 717

Delta R.T. -0.00 min

Lab File: VR025457.D

Acq: 12 Jul 2018 18:07

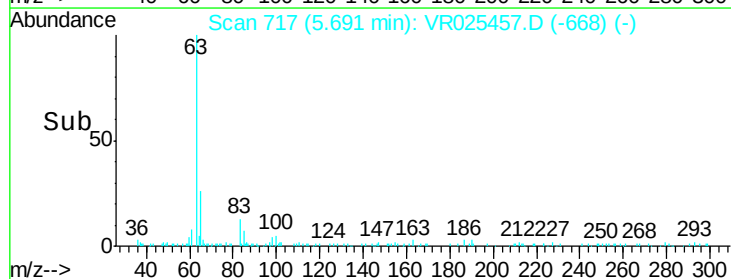
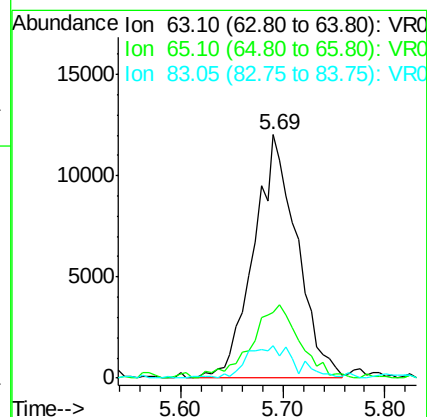
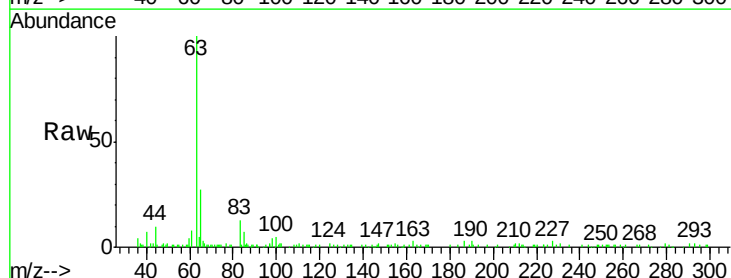
Tgt Ion: 63 Resp: 35351

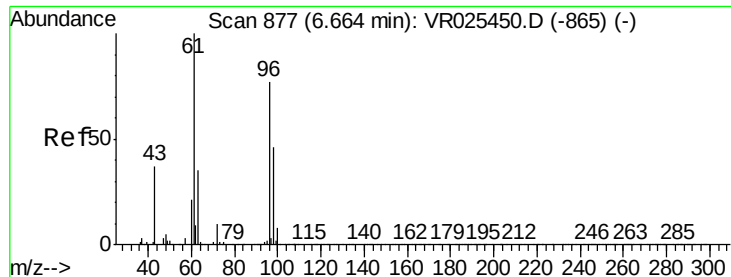
Ion Ratio Lower Upper

63 100

65 26.8 22.5 41.7

83 13.4 9.5 17.7





#22

cis-1,2-Dichloroethene

Concen: 1.687 ug/L

RT: 6.68 min Scan# 879

Delta R.T. 0.01 min

Lab File: VR025457.D

Acq: 12 Jul 2018 18:07

Instrument :

MSVOA_R

ClientSampleId :

C0AF9MSD

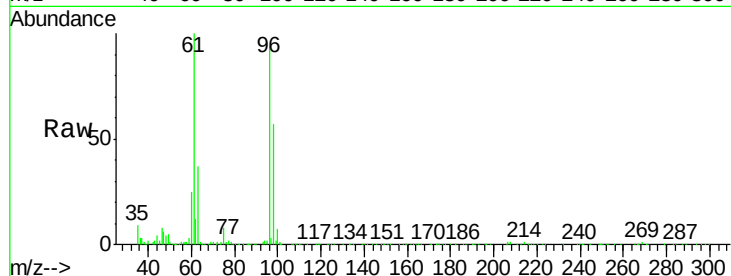
Tgt Ion: 96 Resp: 84695

Ion Ratio Lower Upper

96 100

61 106.9 91.0 169.0

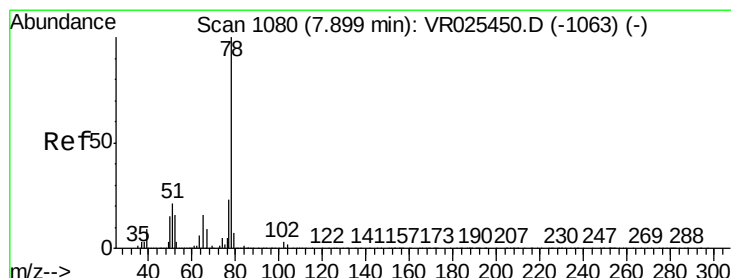
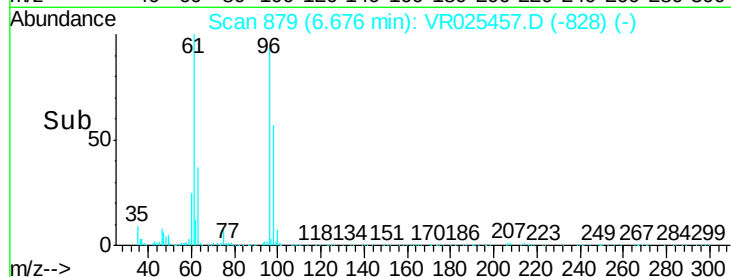
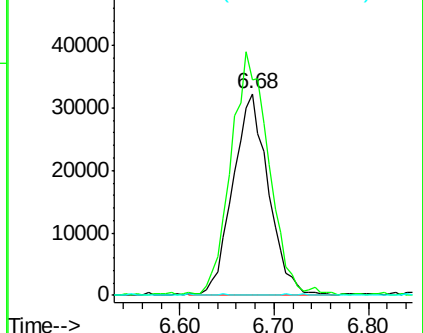
68 0.3 0.0 0.0#



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: 5.194 ug/L

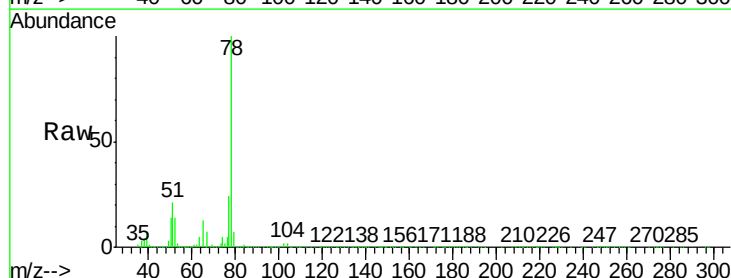
RT: 7.91 min Scan# 1081

Delta R.T. 0.01 min

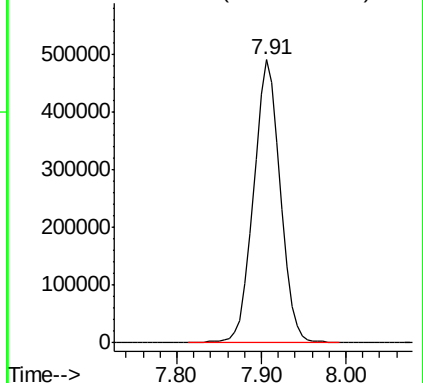
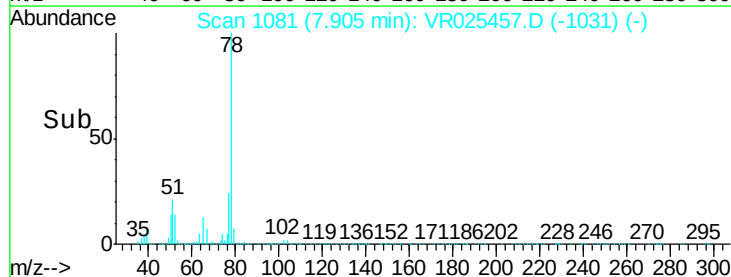
Lab File: VR025457.D

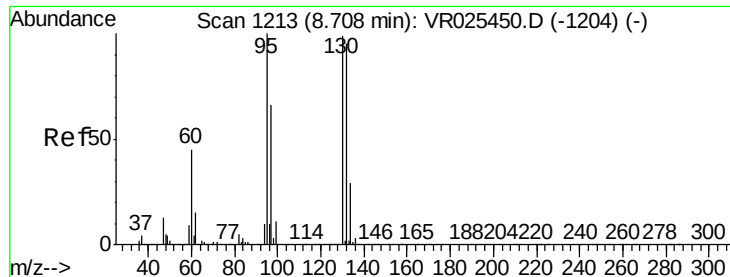
Acq: 12 Jul 2018 18:07

Tgt Ion: 78 Resp: 1057793



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 8.077 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.00 min

Lab File: VR025457.D

Acq: 12 Jul 2018 18:07

Instrument :

MSVOA_R

ClientSampleId :

C0AF9MSD

Tgt Ion: 95 Resp: 418713

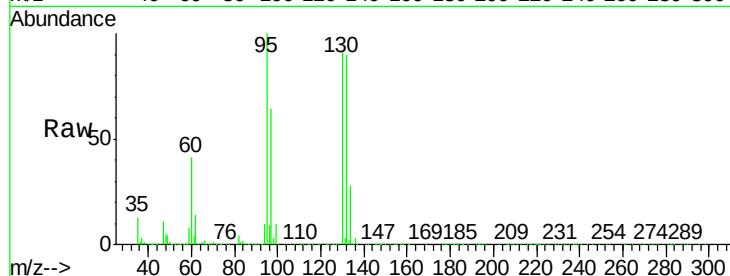
Ion Ratio Lower Upper

95 100

97 63.8 45.6 84.6

132 89.6 60.9 113.1

130 90.5 62.0 115.2

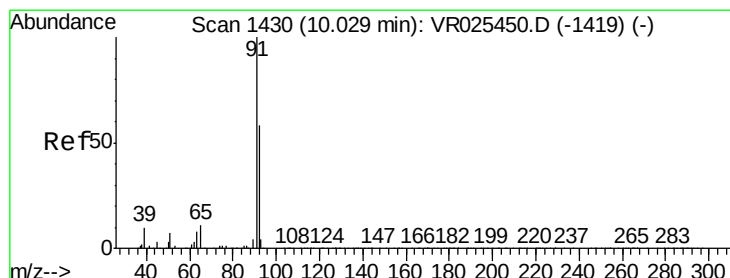
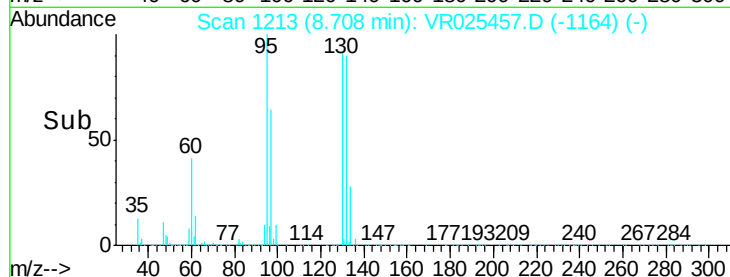
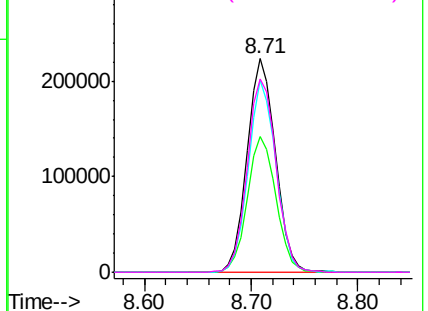


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 5.509 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.01 min

Lab File: VR025457.D

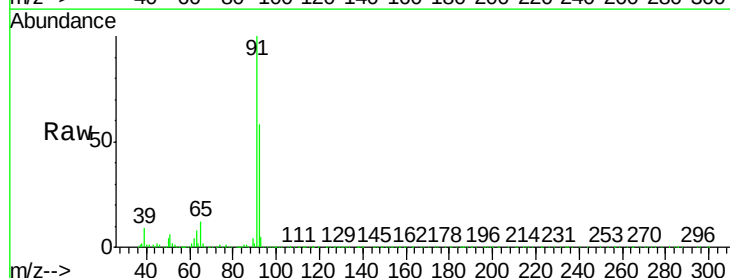
Acq: 12 Jul 2018 18:07

Tgt Ion: 91 Resp: 1090838

Ion Ratio Lower Upper

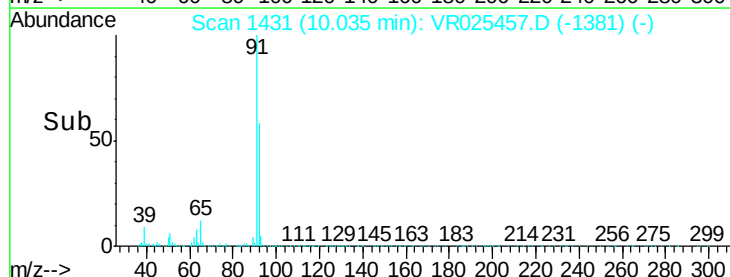
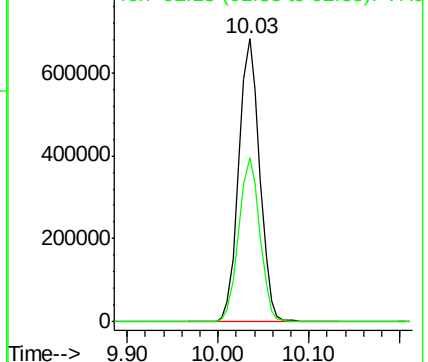
91 100

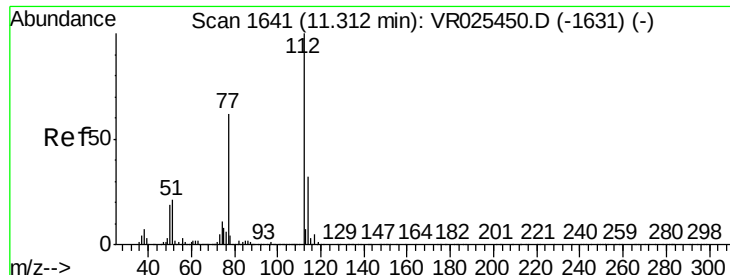
92 57.9 41.9 77.7



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0





#51

Chlorobenzene

Concen: 5.058 ug/L

RT: 11.31 min Scan# 1641

Delta R.T. -0.00 min

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Acq: 12 Jul 2018 18:07

Instrument :

MSVOA_R

ClientSampleId :

C0AF9MSD

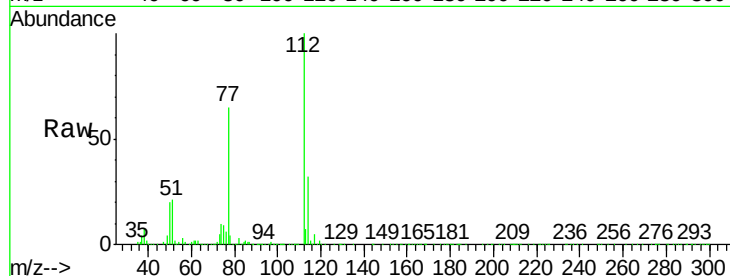
Tgt Ion:112 Resp: 609896

Ion Ratio Lower Upper

112 100

114 32.2 21.6 40.0

77 65.0 51.9 77.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0

