

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082318\
 Data File : VW004911.D
 Acq On : 23 Aug 2018 22:35
 Operator : SY/AP
 Sample : J4628-06MS
 Misc : 6.78G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Aug 24 07:19:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM082218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 07:12:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	551193	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	528590	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	191303	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	247180	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.92%
7) Chloroethane-d5	2.89	69	189298	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
10) 1,1-Dichloroethene-d2	4.03	63	313393	23.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	94.24%
20) 2-Butanone-d5	7.09	46	106171	50.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.14%
24) Chloroform-d	7.66	84	303703	24.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.28%
26) 1,2-Dichloroethane-d4	8.31	65	181449	27.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.16%
29) Benzene-d6	8.28	84	672211	24.72	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.88%
33) 1,2-Dichloropropane-d6	9.28	67	212914	26.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.60%
37) Toluene-d8	10.33	98	666769	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.60%
38) trans-1,3-Dichloropropene-	10.59	79	75107	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.40%
39) 2-Hexanone-d5	10.93	63	92188	46.58	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.16%
48) 1,1,2,2-Tetrachloroethane-	12.70	84	213144	26.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.20%
61) 1,2-Dichlorobenzene-d4	13.86	152	191858	24.97	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.88%

Target Compounds

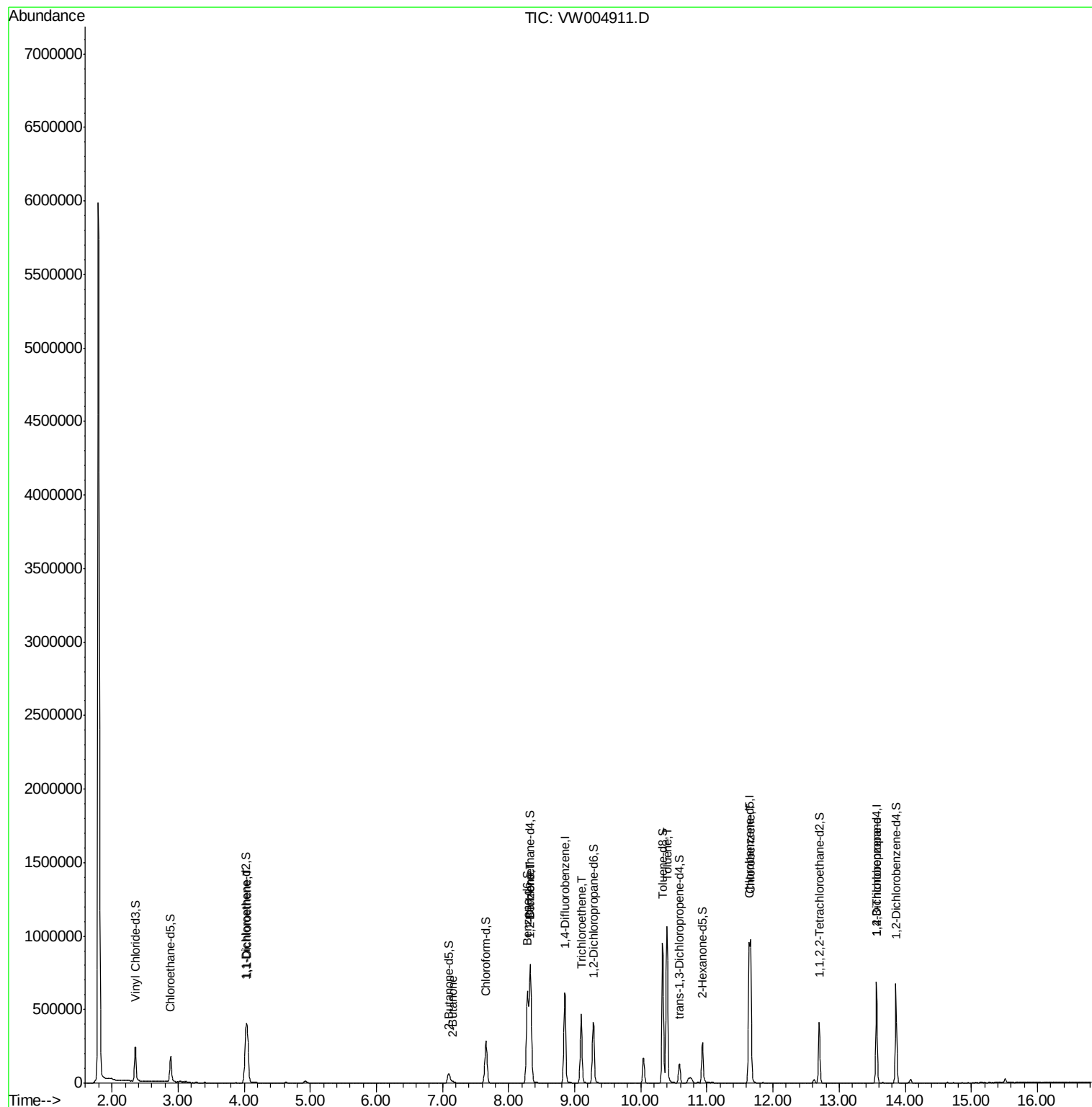
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	152389	23.747	ug/L	88
21) 2-Butanone	7.16	43	6417	2.537	ug/L #	46
34) Benzene	8.34	78	720436	23.904	ug/L	100
35) Trichloroethene	9.10	95	167728	22.380	ug/L	99
44) Toluene	10.40	91	827628	22.866	ug/L	99
52) Chlorobenzene	11.66	112	503132	20.926	ug/L	99
59) 1,2,3-Trichloropropane	13.56	75	20898	3.288	ug/L	91

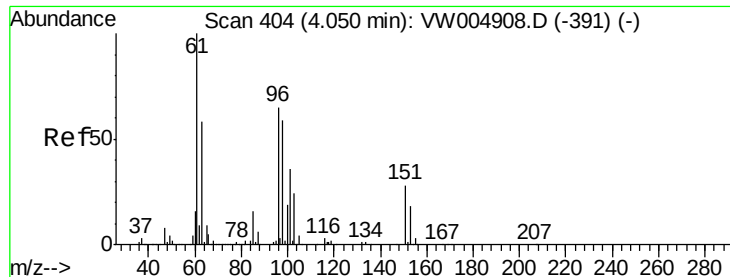
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 24 07:12:16 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 23.747 ug/L

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW004911.D

Acq: 23 Aug 2018 22:35

Instrument :

MSVOA_W

ClientSampled :

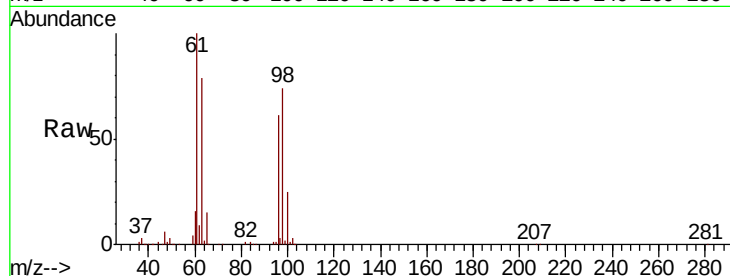
Tot Ion: 96 Resp: 152389

Ion Ratio Lower Upper

96 100

61 163.3 107.0 198.8

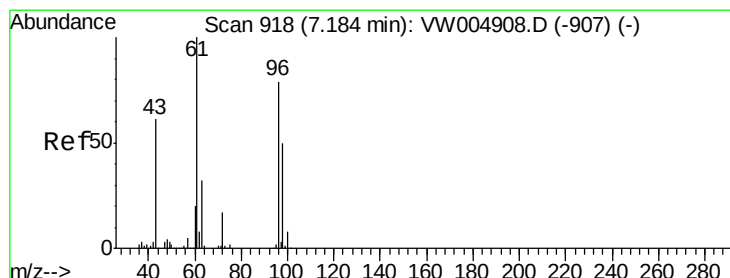
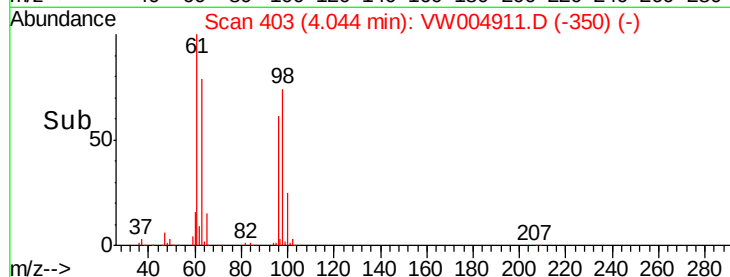
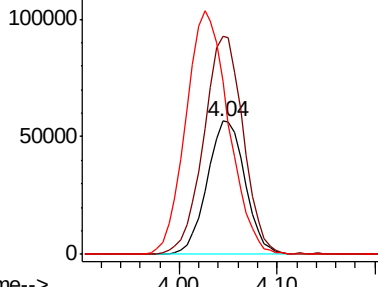
63 129.4 76.9 142.7



Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW



#21

2-Butanone

Concen: 2.537 ug/L

RT: 7.16 min Scan# 914

Delta R.T. -0.02 min

Lab File: VW004911.D

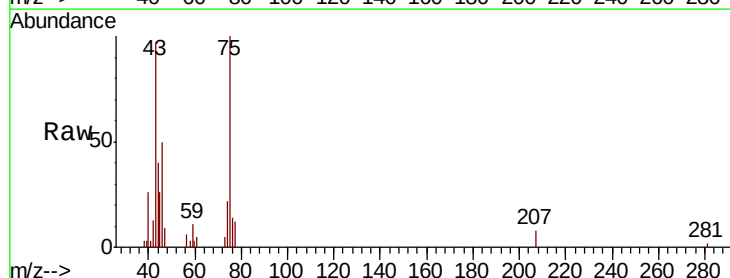
Acq: 23 Aug 2018 22:35

Tgt Ion: 43 Resp: 6417

Ion Ratio Lower Upper

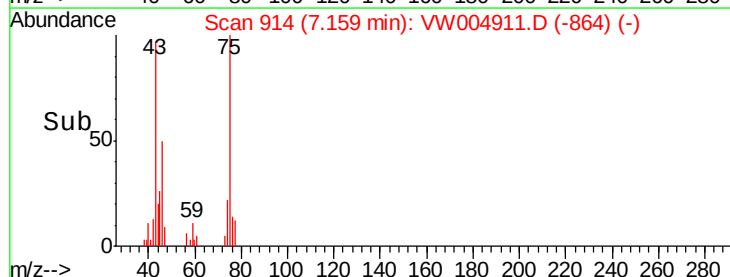
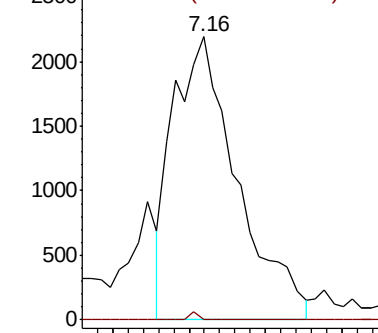
43 100

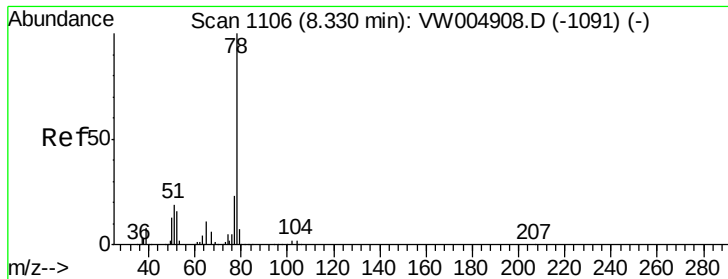
72 0.0 14.2 42.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#34

Benzene

Concen: 23.904 ug/L

RT: 8.34 min Scan# 1107

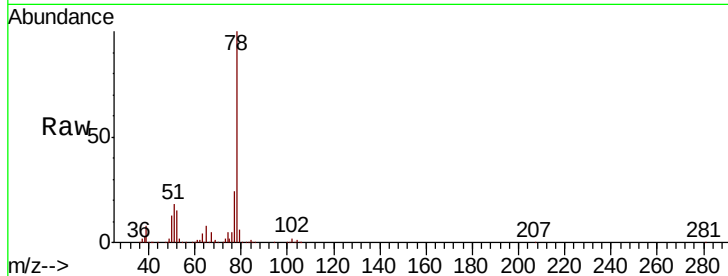
Delta R.T. 0.01 min

Lab File: VW004911.D

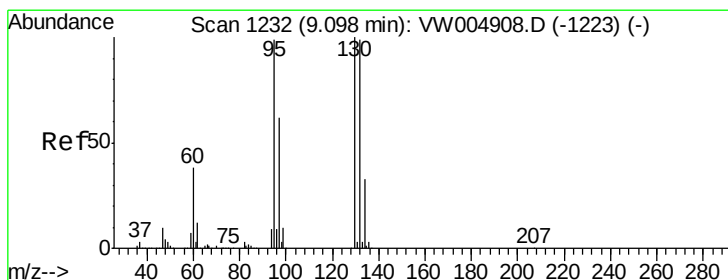
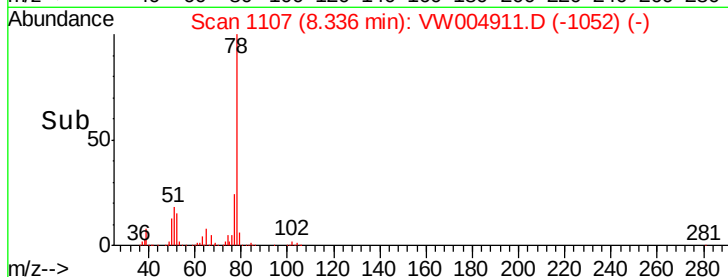
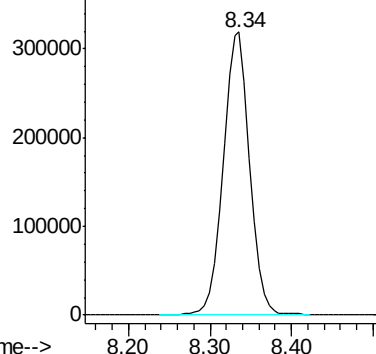
Acq: 23 Aug 2018 22:35

Instrument :
MSVOA_W
ClientSampled :

Tgt Ion: 78 Resp: 720436



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 22.380 ug/L

RT: 9.10 min Scan# 1232

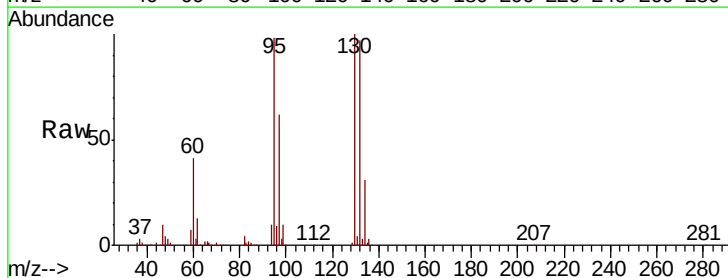
Delta R.T. 0.00 min

Lab File: VW004911.D

Acq: 23 Aug 2018 22:35

Tgt Ion: 95 Resp: 167728

Ion	Ratio	Lower	Upper
95	100		
97	64.3	45.9	85.3
132	100.4	69.2	128.4
130	102.6	72.7	135.1

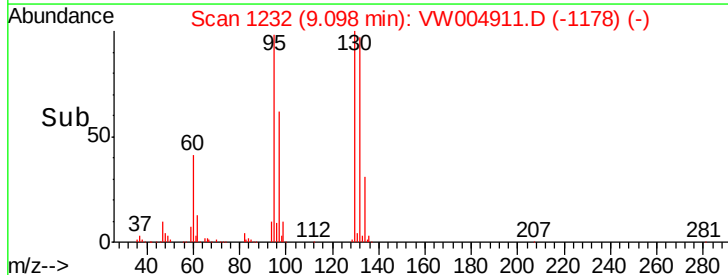
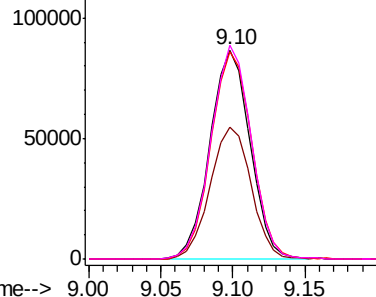


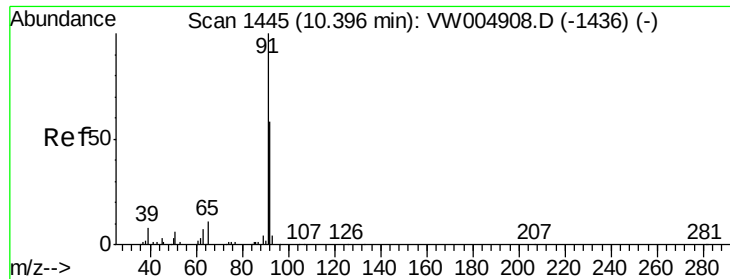
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 22.866 ug/L

RT: 10.40 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VW004911.D

Acq: 23 Aug 2018 22:35

Instrument :

MSVOA_W

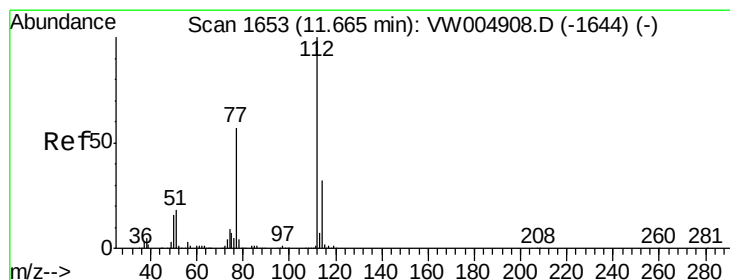
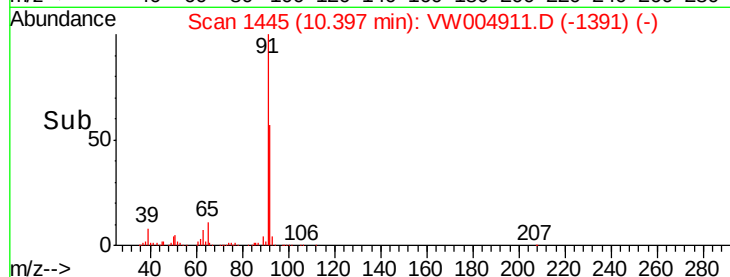
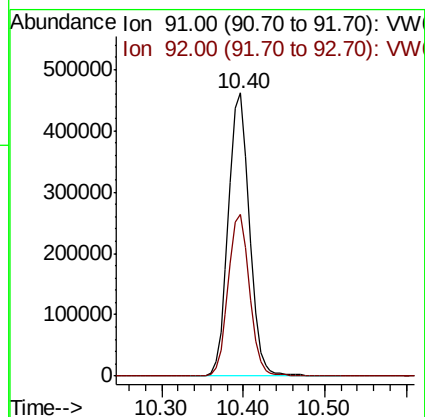
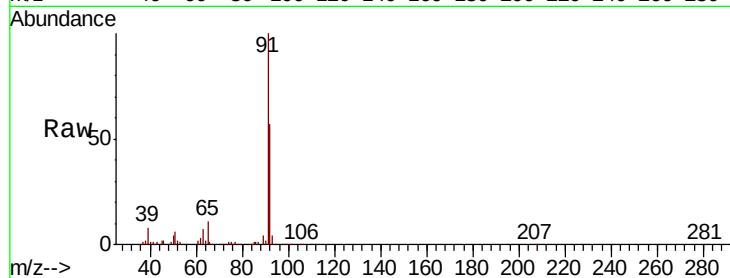
ClientSampled :

Tot Ion: 91 Resp: 827628

Ion Ratio Lower Upper

91 100

92 57.2 40.6 75.4



#52

Chlorobenzene

Concen: 20.926 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VW004911.D

Acq: 23 Aug 2018 22:35

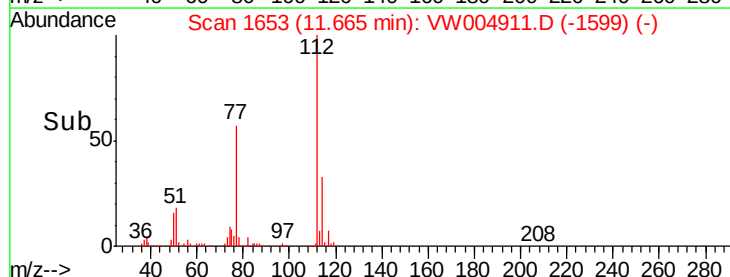
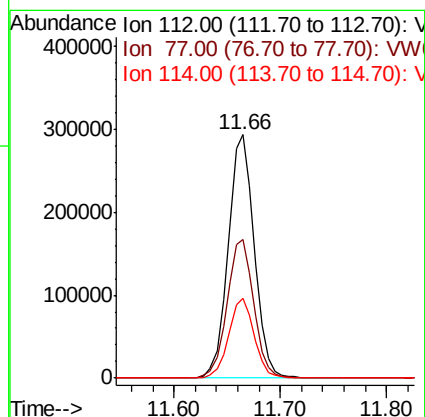
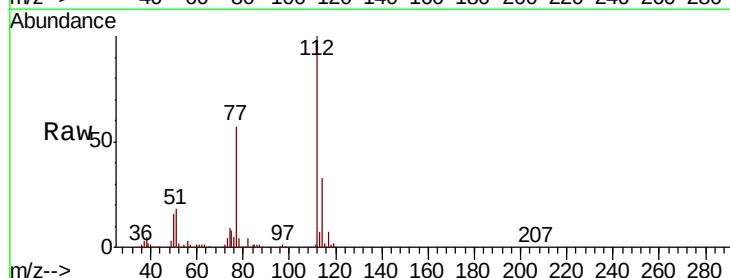
Tgt Ion: 112 Resp: 503132

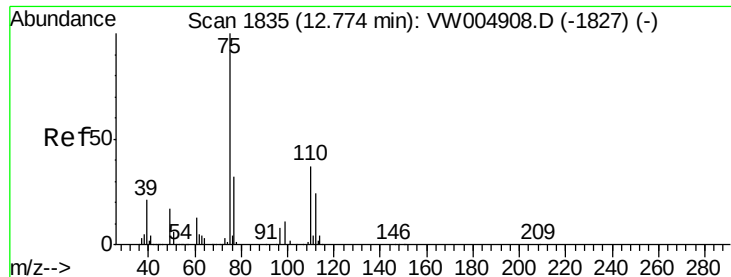
Ion Ratio Lower Upper

112 100

77 56.9 45.8 68.8

114 32.5 22.5 41.7





#59

1,2,3-Trichloropropane

Concen: 3.288 ug/L

RT: 13.56 min Scan# 1964

Delta R.T. 0.79 min

Lab File: VW004911.D

Acq: 23 Aug 2018 22:35

Instrument :

MSVOA_W

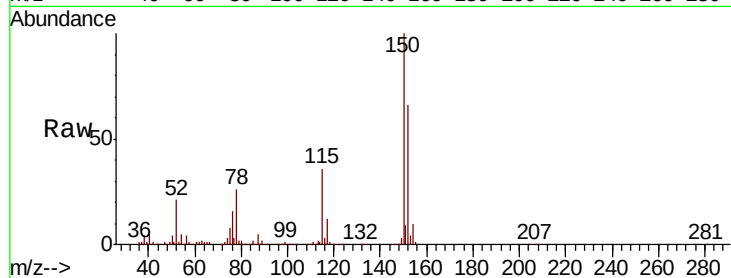
ClientSampleId :

Tot Ion: 75 Resp: 20898

Ion Ratio Lower Upper

75 100

77 36.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

