

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081518\
 Data File : VW004678.D
 Acq On : 14 Aug 2018 21:46
 Operator : SY/AP
 Sample : J4450-10MS
 Misc : 3.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAB08MS

Quant Time: Aug 16 01:17:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM081418S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Aug 14 12:36:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	731274	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	669715	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	220475	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	295434	25.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.68%
7) Chloroethane-d5	2.90	69	232987	25.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.72%
10) 1,1-Dichloroethene-d2	4.02	63	556188	26.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	104.64%
20) 2-Butanone-d5	7.09	46	242206	77.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	154.02%#
24) Chloroform-d	7.65	84	517063	26.38	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.52%
26) 1,2-Dichloroethane-d4	8.31	65	316878	30.52	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.08%
29) Benzene-d6	8.28	84	1021968	27.21	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.84%
33) 1,2-Dichloropropane-d6	9.28	67	340262	29.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.68%
37) Toluene-d8	10.33	98	831981	24.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.76%
38) trans-1,3-Dichloropropene-	10.58	79	137804	29.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	116.36%
39) 2-Hexanone-d5	10.93	63	214469	91.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	183.98%#
48) 1,1,2,2-Tetrachloroethane-	12.70	84	361353	33.02	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	132.08%#
61) 1,2-Dichlorobenzene-d4	13.86	152	232013	27.74	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	110.96%

Target Compounds

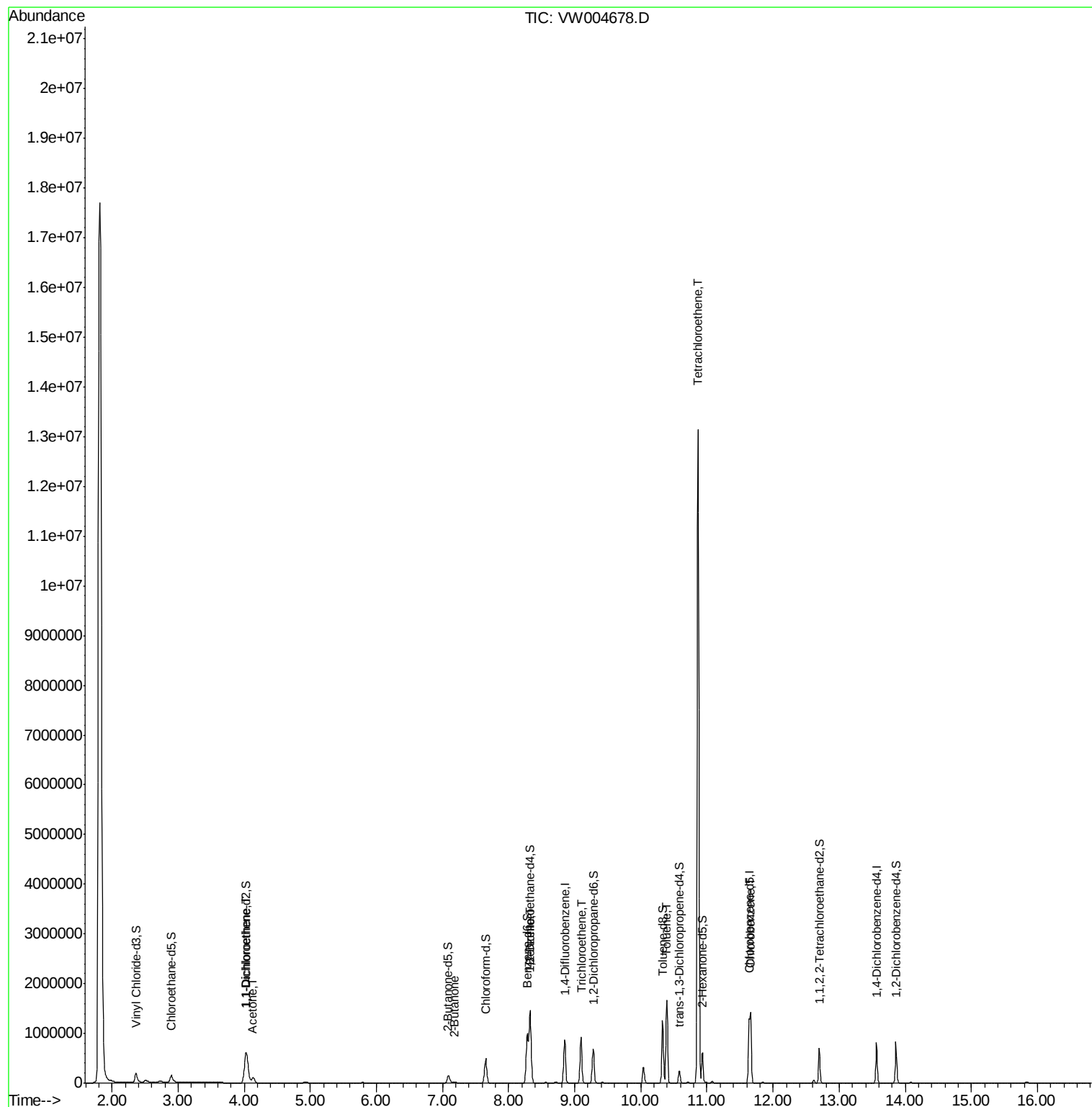
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	289783	26.46	ug/L	96
13) Acetone	4.13	43	165797	57.45	ug/L	98
21) 2-Butanone	7.18	43	23303	5.77	ug/L	98
34) Benzene	8.33	78	1271213	29.82	ug/L	100
35) Trichloroethene	9.10	95	340174	31.71	ug/L	99
44) Toluene	10.39	91	1241543	28.76	ug/L	99
47) Tetrachloroethene	10.87	164	3078094	345.83	ug/L	98
52) Chlorobenzene	11.66	112	736197	25.54	ug/L	99

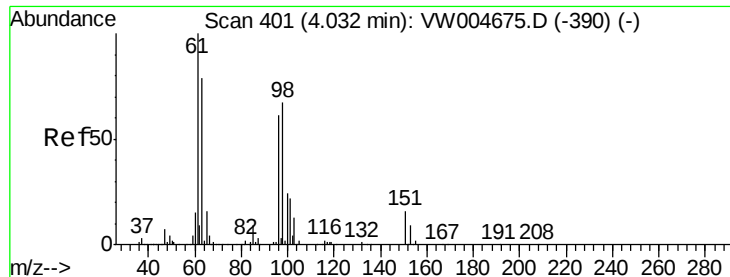
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 26.46 ug/L

RT: 4.04 min Scan# 402

Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_W

ClientSampleId :

GAB08MS

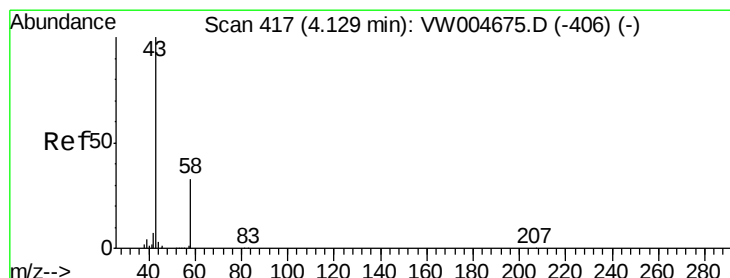
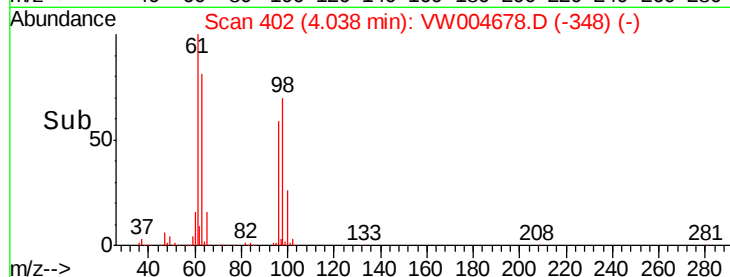
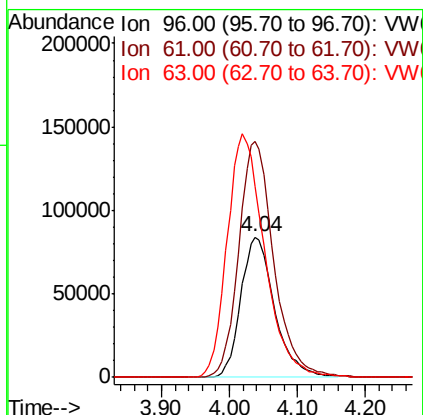
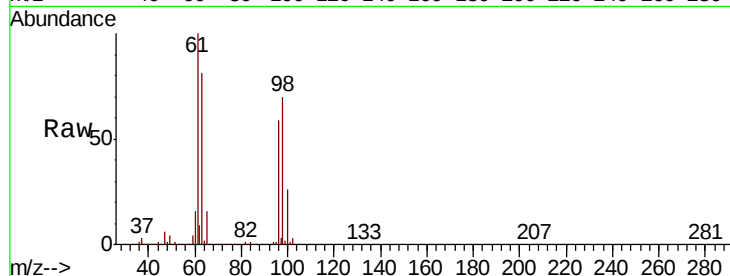
Tot Ion: 96 Resp: 289783

Ion Ratio Lower Upper

96 100

61 169.0 118.9 220.7

63 136.2 88.9 165.1



#13

Acetone

Concen: 57.45 ug/L

RT: 4.13 min Scan# 417

Delta R.T. -0.01 min

Lab File: VW004678.D

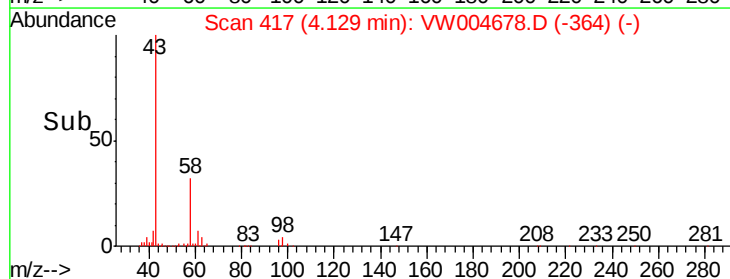
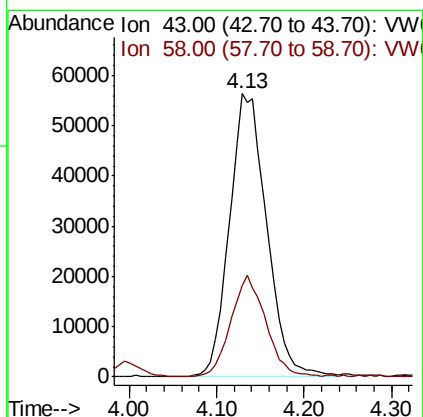
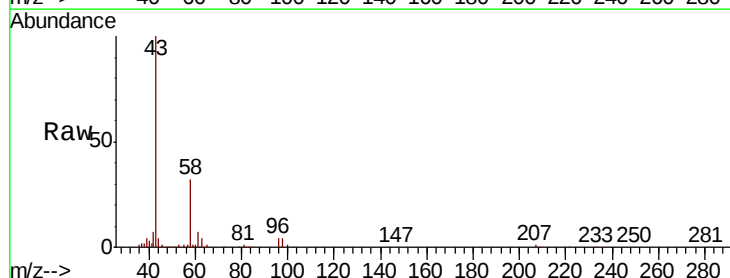
Acq: 14 Aug 2018 21:46

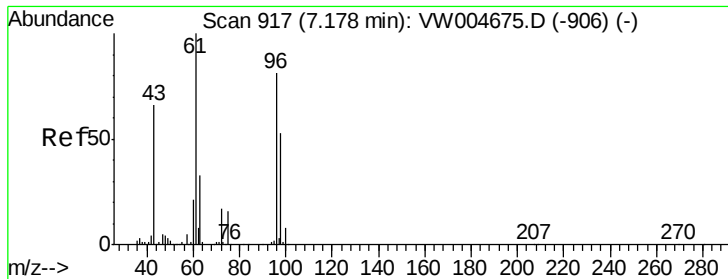
Tgt Ion: 43 Resp: 165797

Ion Ratio Lower Upper

43 100

58 33.6 0.0 69.4





#21

2-Butanone

Concen: 5.77 ug/L

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_W

ClientSampleId :

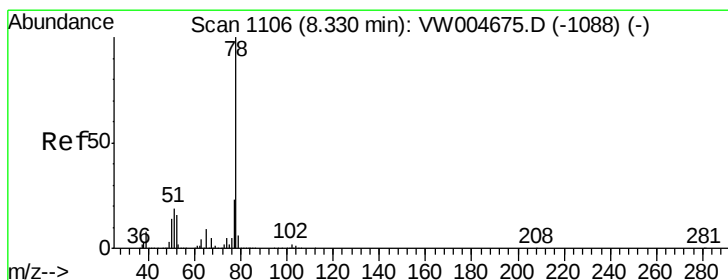
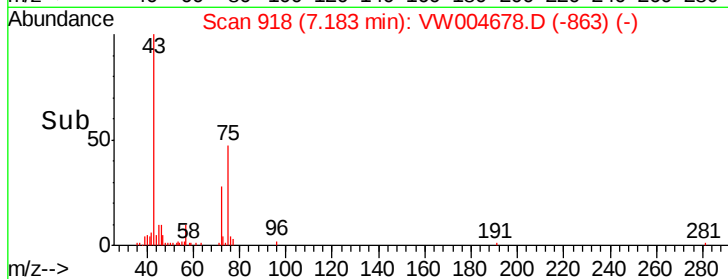
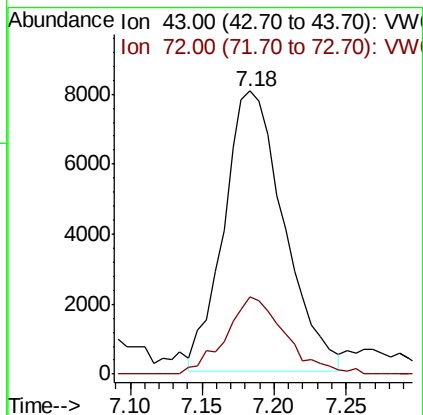
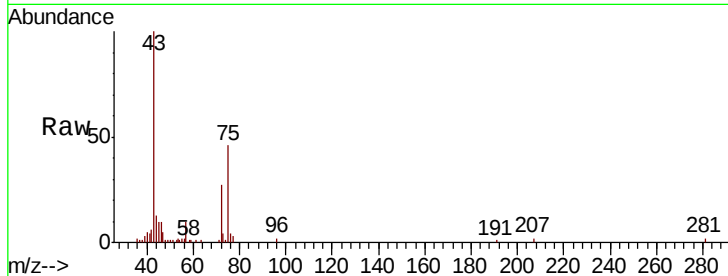
GAB08MS

Tot Ion: 43 Resp: 23303

Ion Ratio Lower Upper

43 100

72 26.9 14.1 42.2



#34

Benzene

Concen: 29.82 ug/L

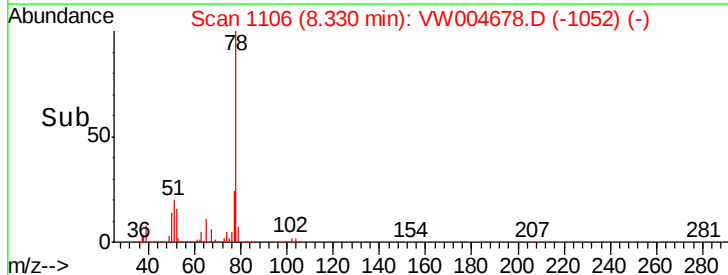
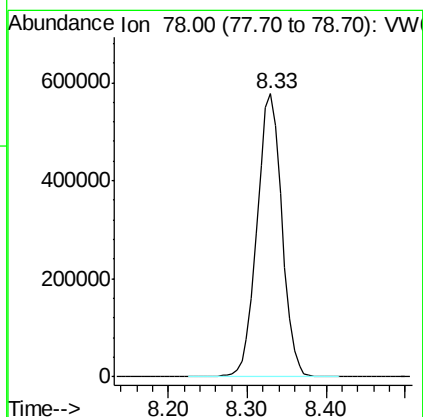
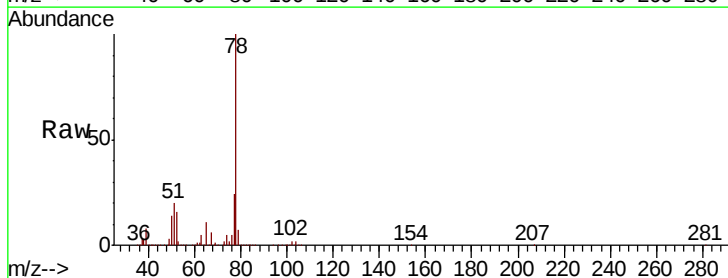
RT: 8.33 min Scan# 1106

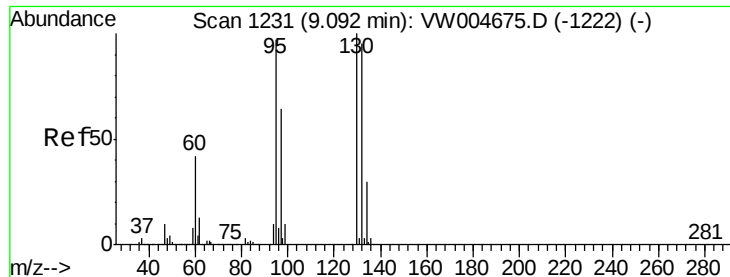
Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Tgt Ion: 78 Resp: 1271213





#35

Trichloroethene

Concen: 31.71 ug/L

RT: 9.10 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_W

ClientSampleId :

GAB08MS

Tot Ion: 95 Resp: 340174

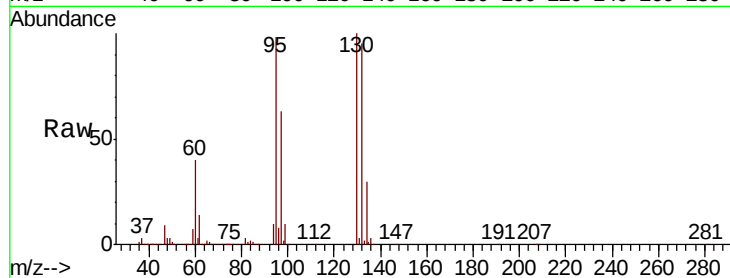
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.9

132 97.4 68.8 127.8

130 100.8 71.5 132.9

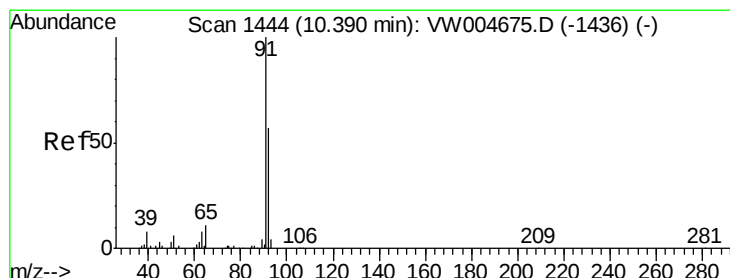
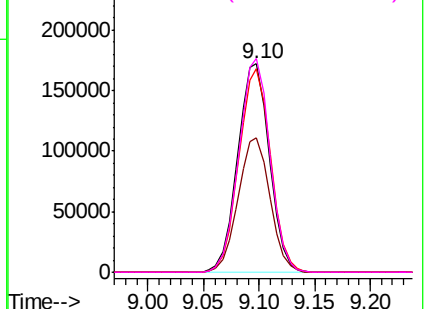
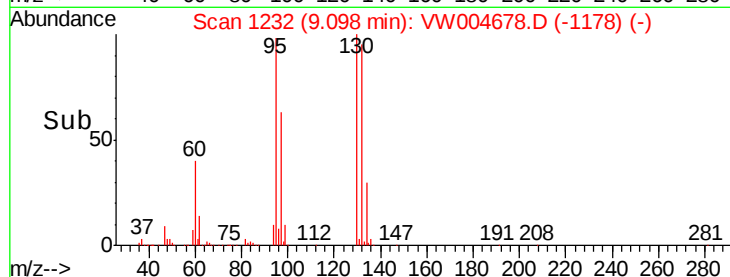


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 28.76 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004678.D

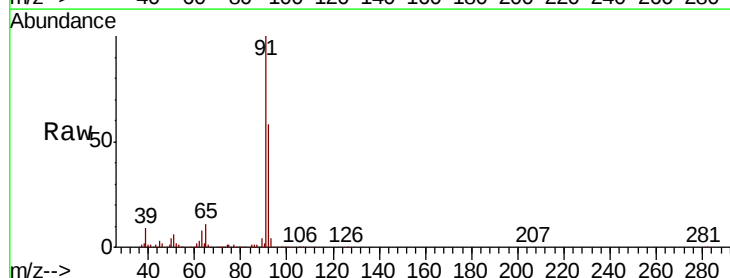
Acq: 14 Aug 2018 21:46

Tgt Ion: 91 Resp: 1241543

Ion Ratio Lower Upper

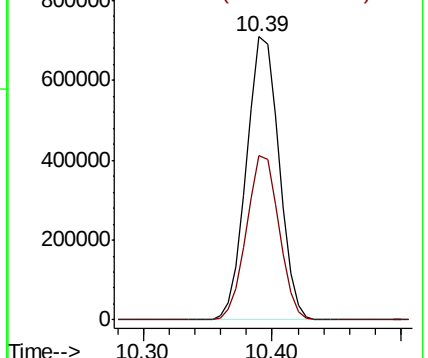
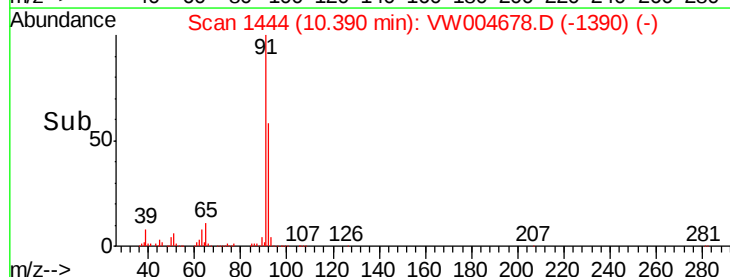
91 100

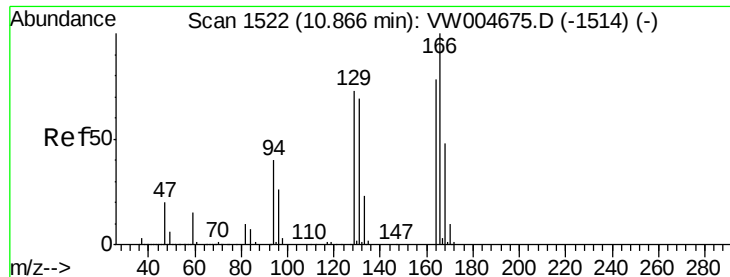
92 58.2 40.3 74.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 345.83 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_W

ClientSampleId :

GAB08MS

Tot Ion:164 Resp: 3078094

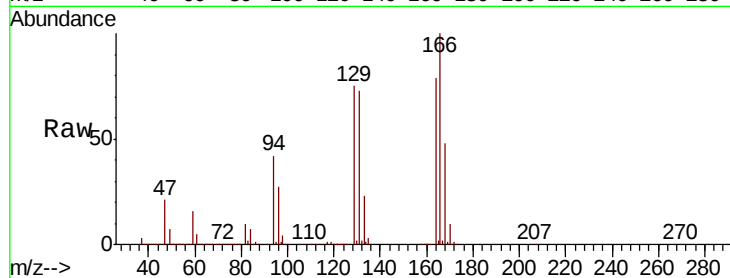
Ion Ratio Lower Upper

164 100

129 95.4 65.0 120.6

131 92.4 62.2 115.4

166 127.3 88.9 165.1

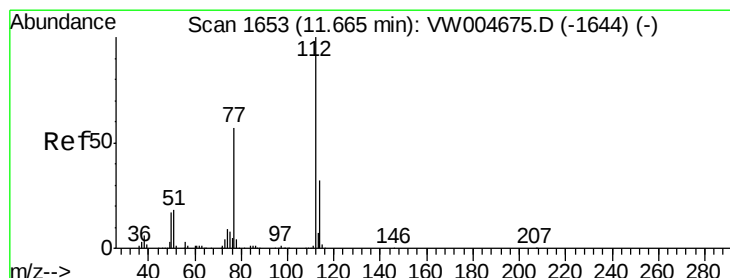
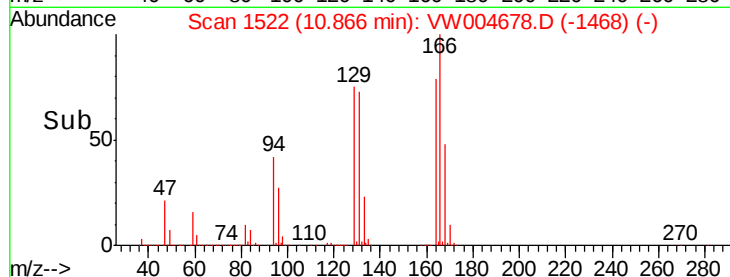
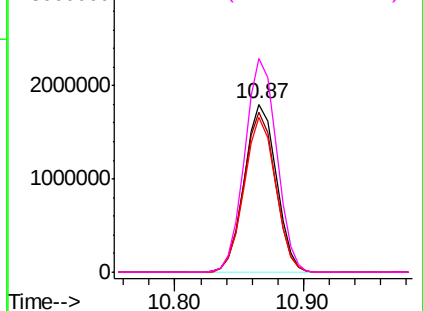


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#52

Chlorobenzene

Concen: 25.54 ug/L

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

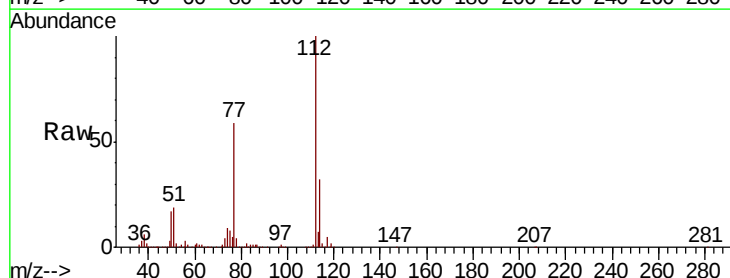
Tgt Ion:112 Resp: 736197

Ion Ratio Lower Upper

112 100

77 58.7 46.0 69.0

114 32.0 22.3 41.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V

