

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 :

Quant Time: Aug 14 22:21:55 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

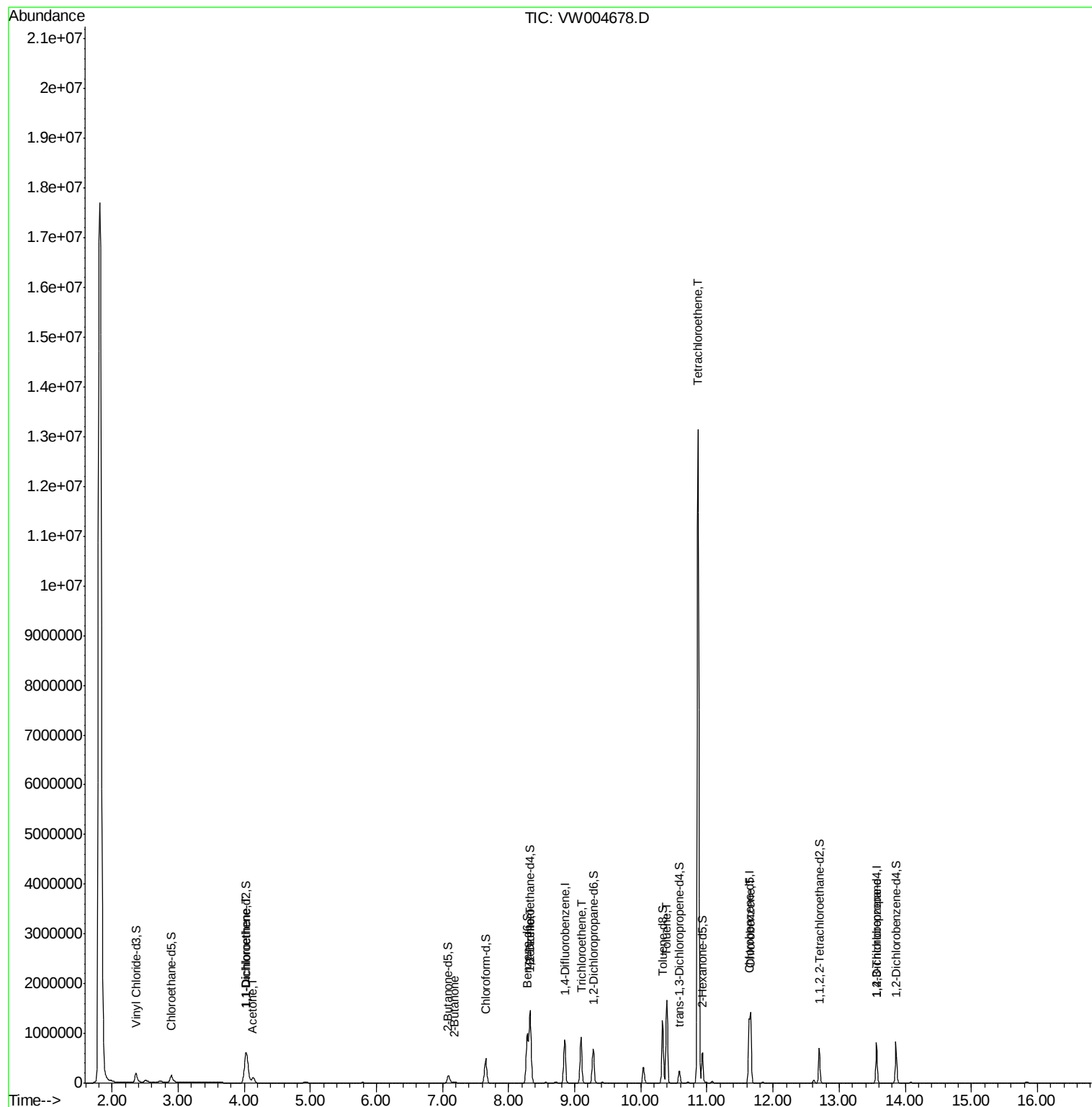
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	4.04	96	289783	26.465	ug/L	96
13) Acetone	4.13	43	165797	57.452	ug/L	98
21) 2-Butanone	7.18	43	23303	5.774	ug/L	98
34) Benzene	8.33	78	1271213	29.819	ug/L	100
35) Trichloroethene	9.10	95	340174	31.709	ug/L	99
44) Toluene	10.39	91	1241543	28.761	ug/L	99
47) Tetrachloroethene	10.87	164	3078094	345.832	ug/L	98
52) Chlorobenzene	11.66	112	736197	25.543	ug/L	99
59) 1,2,3-Trichloropropane	13.57	75	25379	3.058	ug/L	90

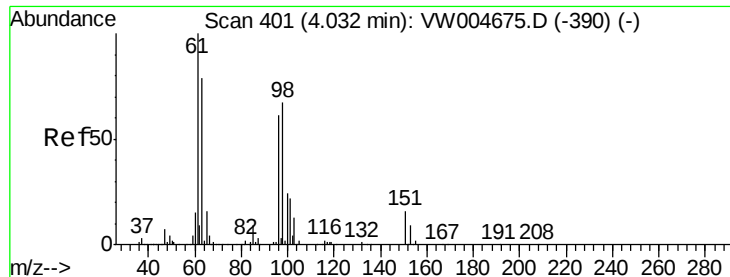
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Tue Aug 14 12:36:48 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 26.465 ug/L

RT: 4.04 min Scan# 402

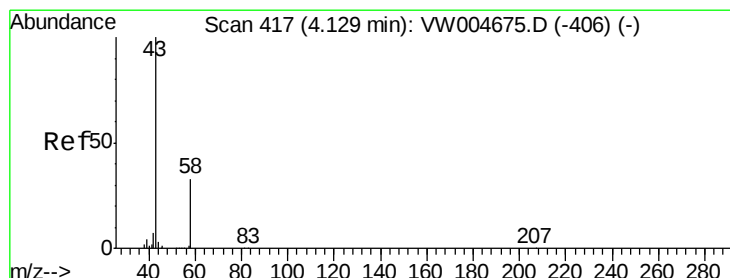
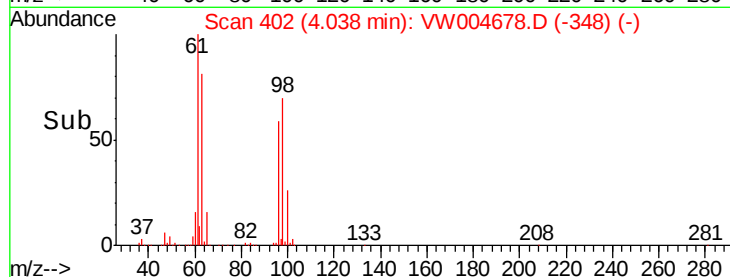
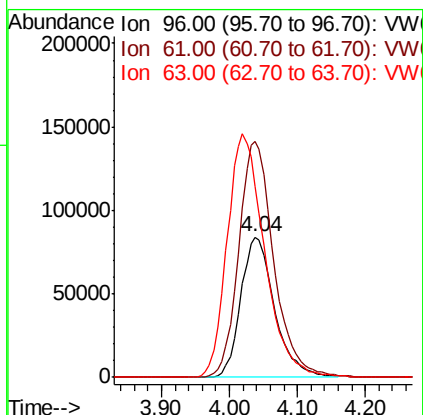
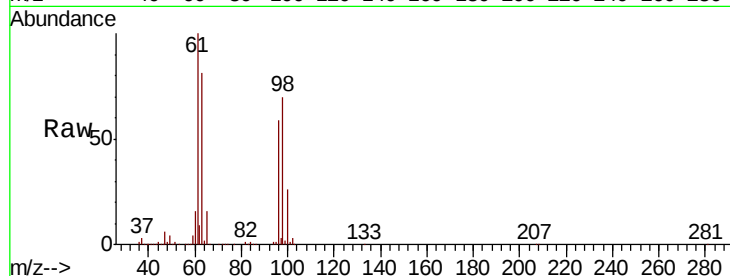
Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Instrument :
MSVOA_W
ClientSampleId :

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: 57.452 ug/L

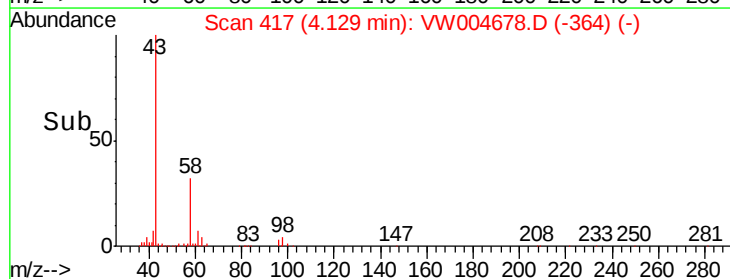
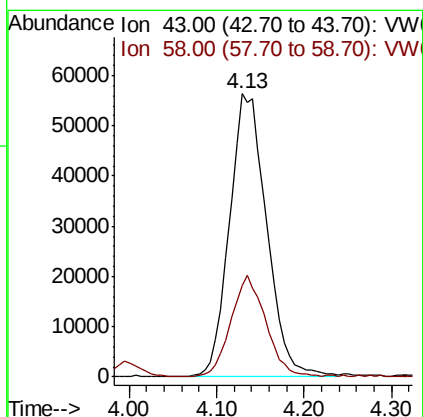
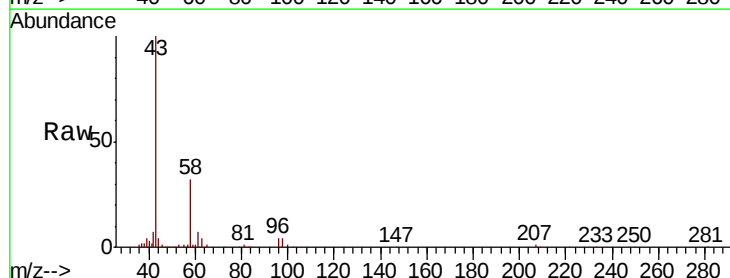
RT: 4.13 min Scan# 417

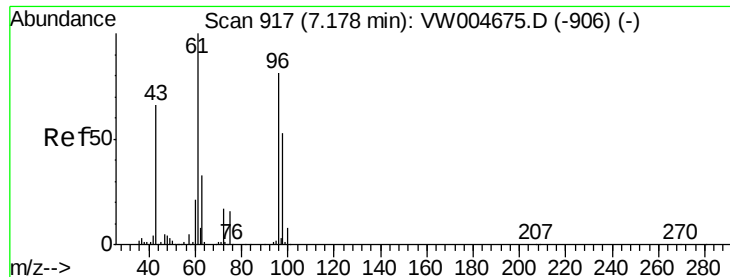
Delta R.T. -0.01 min

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

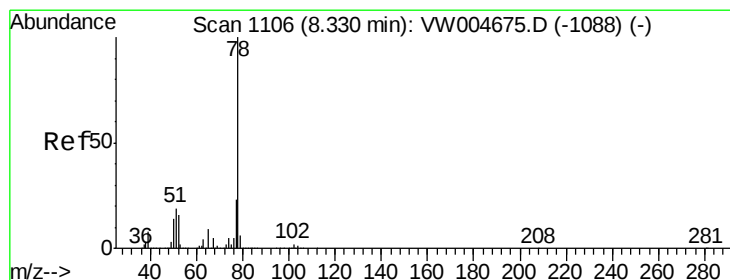
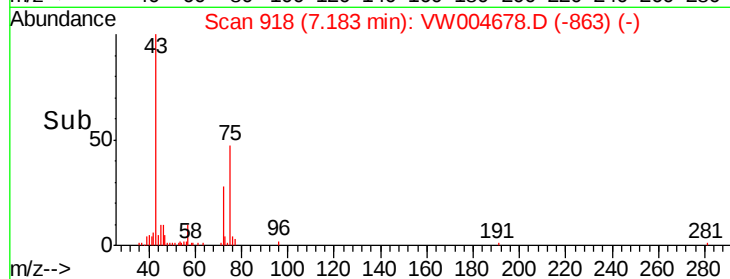
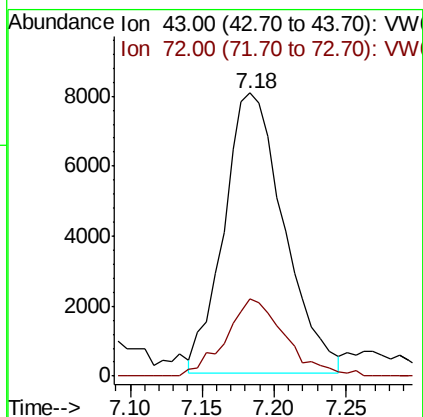
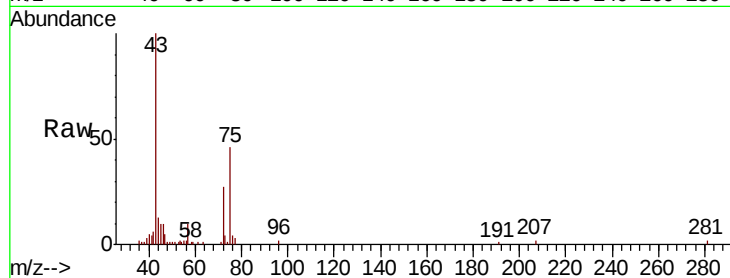




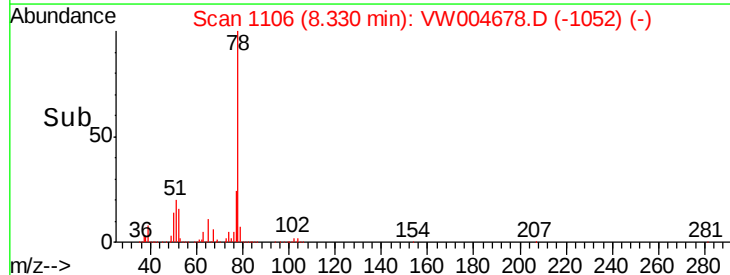
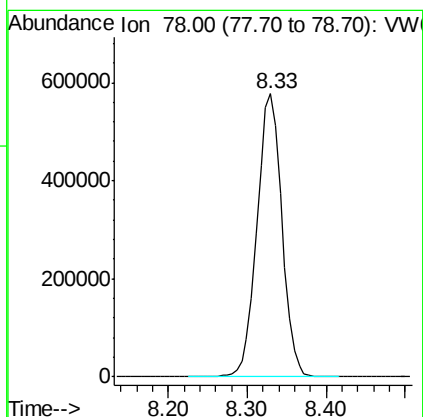
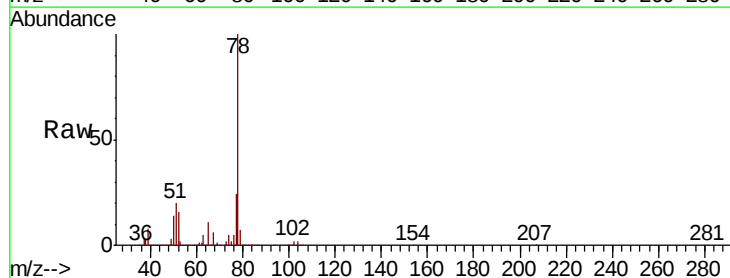
#21
2-Butanone
Concen: 5.774 ug/L
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW004678.D
Acq: 14 Aug 2018 21:46

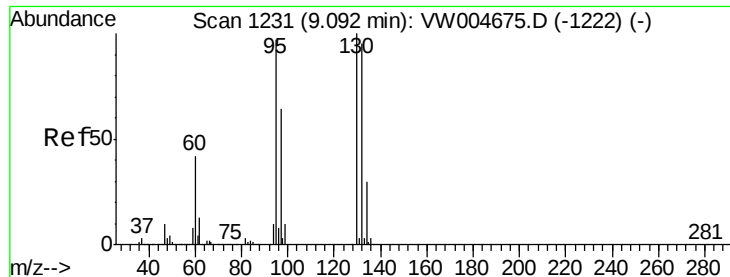
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 23303
Ion Ratio Lower Upper
43 100
72 26.9 14.1 42.2



#34
Benzene
Concen: 29.819 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: 31.709 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

ClientSampled :

Tot Ion: 95 Resp: 340174

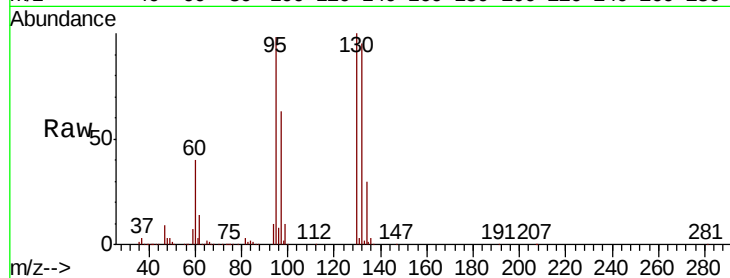
Ion Ratio Lower Upper

95 100

97 64.6 45.1 83.9

132 97.4 68.8 127.8

130 100.8 71.5 132.9

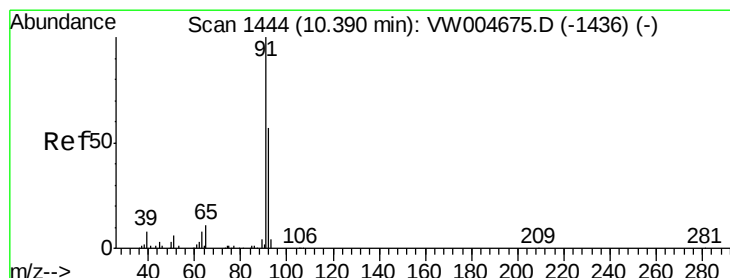
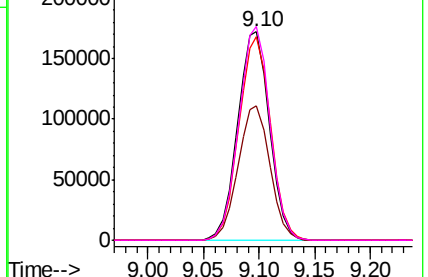
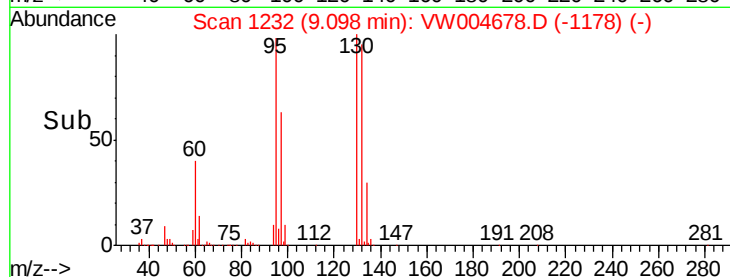


Abundance Ion 95.00 (94.70 to 95.70): VW

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: 28.761 ug/L

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004678.D

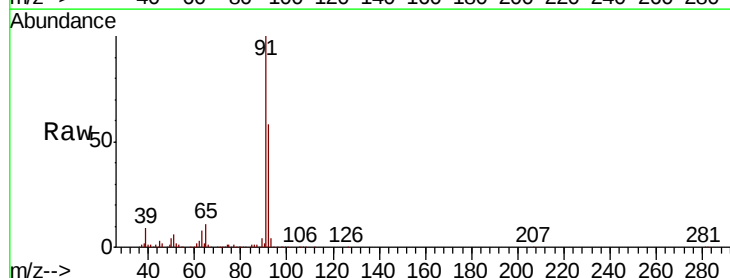
Acq: 14 Aug 2018 21:46

Tgt Ion: 91 Resp: 1241543

Ion Ratio Lower Upper

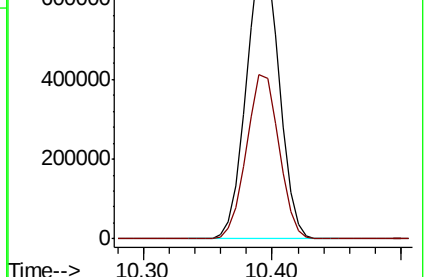
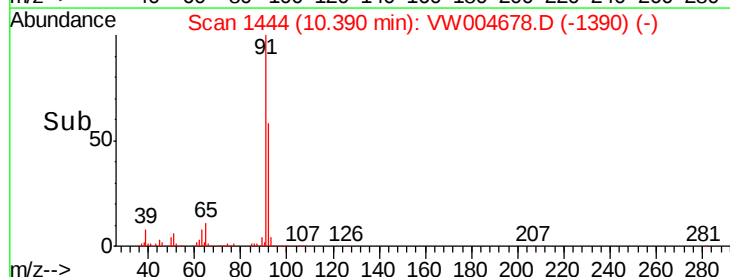
91 100

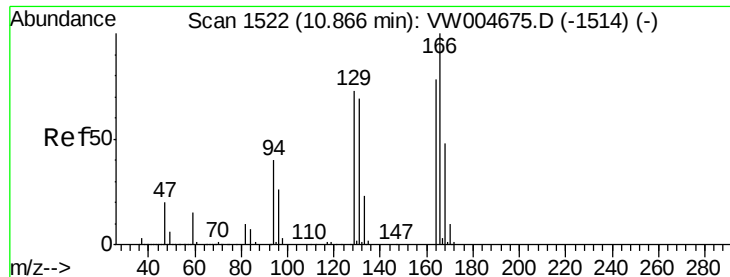
92 58.2 40.3 74.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 345.832 ug/L

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

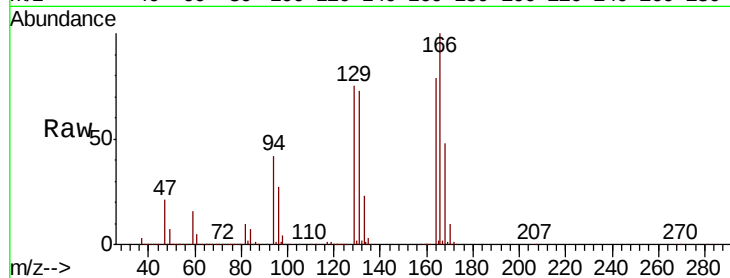
Instrument :

MSVOA_W

ClientSampleId :

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

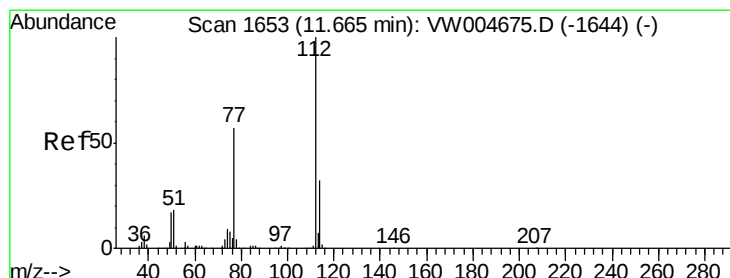
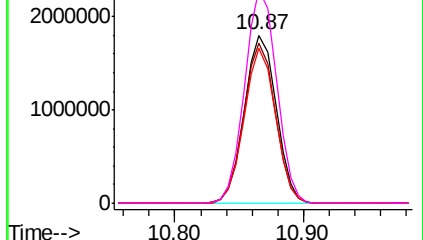
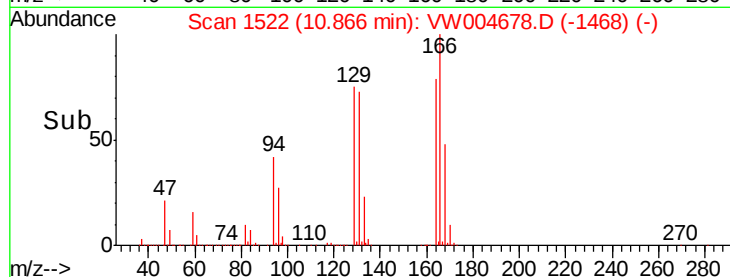


Abundance Ion 164.00 (163.70 to 164.70): V

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: 25.543 ug/L

RT: 11.66 min Scan# 1653

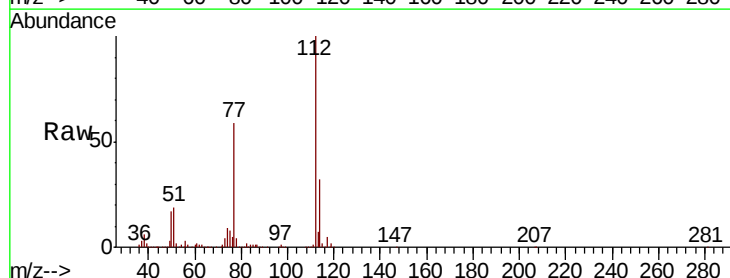
Delta R.T. -0.00 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Tgt Ion:112 Resp: 736197

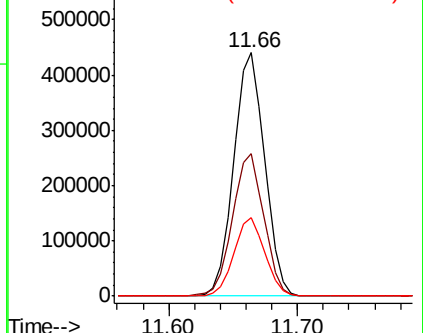
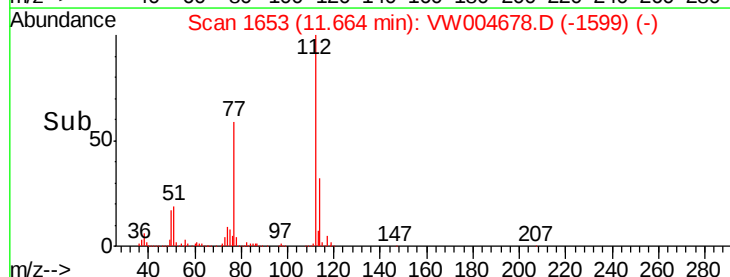
Ion	Ratio	Lower	Upper
112	100		
77	58.7	46.0	69.0
114	32.0	22.3	41.5

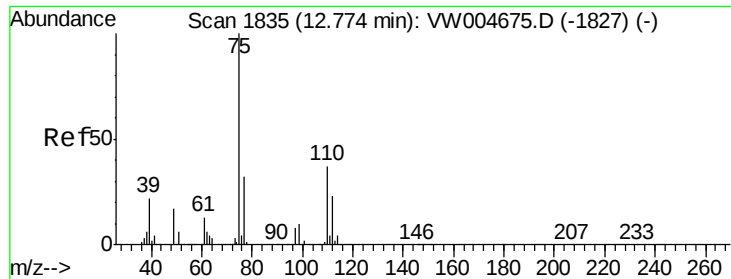


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VW

Ion 114.00 (113.70 to 114.70): V





#59

1,2,3-Trichloropropane

Concen: 3.058 ug/L

RT: 13.57 min Scan# 1965

Delta R.T. 0.79 min

Lab File: VW004678.D

Acq: 14 Aug 2018 21:46

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 75 Resp: 25379

Ion Ratio Lower Upper

75 100

77 37.9 25.8 38.6

