

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022720\
 Data File : VW015069.D
 Acq On : 27 Feb 2020 17:40
 Operator : SY/VA
 Sample : L1686-02
 Misc : 5.43G/10ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAW01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:30:01 PM

Quant Time: Feb 28 04:48:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Feb 28 03:59:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	578840	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	551849	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	191275	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	337322	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.20%
7) Chloroethane-d5	2.89	69	251243	24.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.28%
10) 1,1-Dichloroethene-d2	4.02	63	426218m	18.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.68%
20) 2-Butanone-d5	7.07	46	168953	69.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	139.62%#
24) Chloroform-d	7.65	84	525730	27.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.56%
26) 1,2-Dichloroethane-d4	8.31	65	326001	30.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.56%
29) Benzene-d6	8.27	84	1037708	27.36	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.44%
33) 1,2-Dichloropropane-d6	9.27	67	368446	29.02	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.08%
37) Toluene-d8	10.32	98	856080	27.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.24%
38) trans-1,3-Dichloropropene-	10.57	79	132944	28.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.32%
39) 2-Hexanone-d5	10.92	63	119380	71.02	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	142.04%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	265504	32.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	129.48%#
61) 1,2-Dichlorobenzene-d4	13.85	152	229000	32.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	130.72%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.36	62	101230	6.910	ug/L	92
13) Acetone	4.12	43	20238	7.070	ug/L	96
18) trans-1,2-Dichloroethene	5.42	96	34597	3.868	ug/L	94
22) cis-1,2-Dichloroethene	7.17	96	1934560	212.541	ug/L	93
35) Trichloroethene	9.09	95	279739	28.171	ug/L	99
44) Toluene	10.38	91	15828	0.397	ug/L	97
47) Tetrachloroethene	10.86	164	4502	0.703	ug/L	91

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

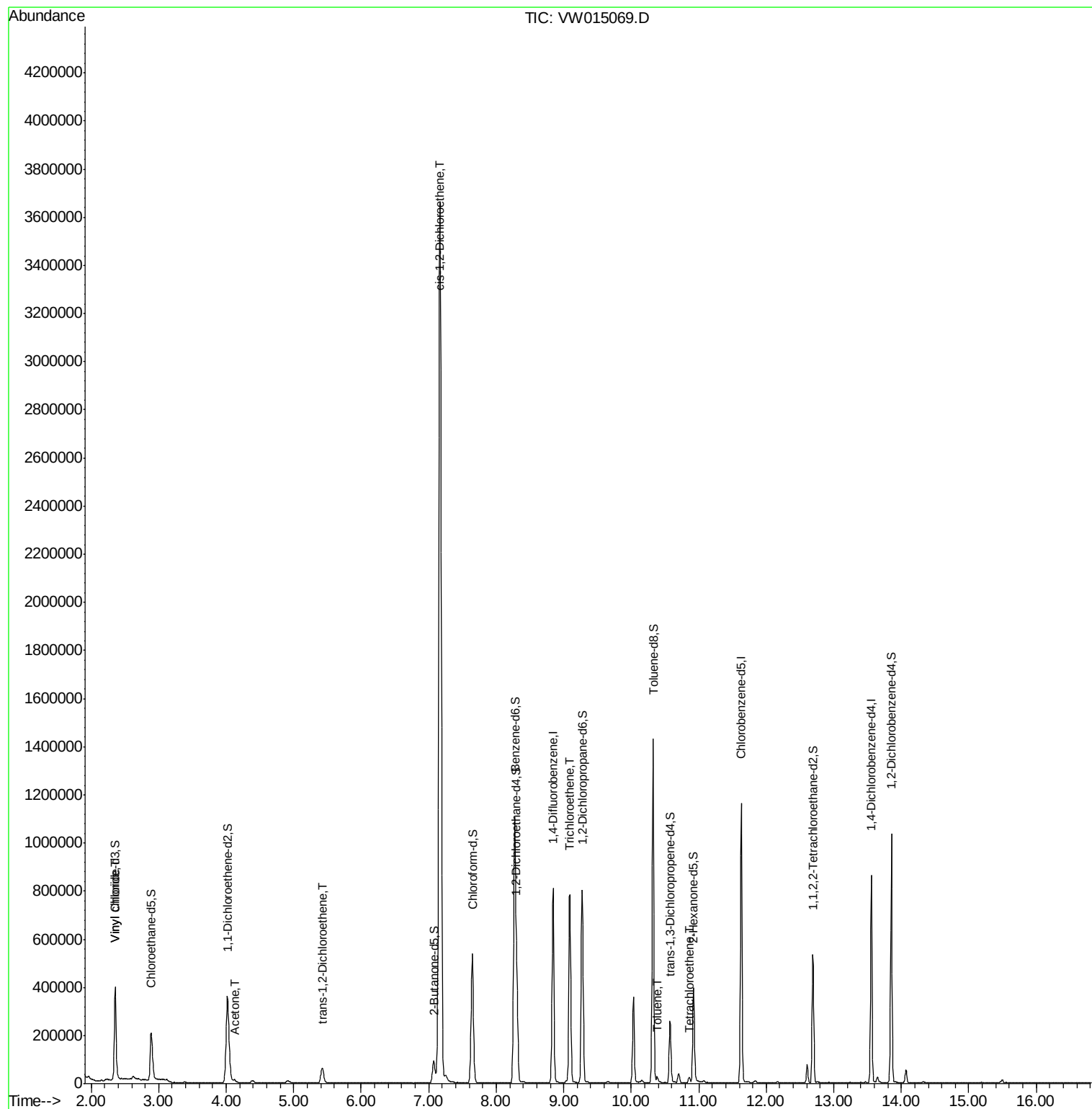
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022720\
Data File : VW015069.D
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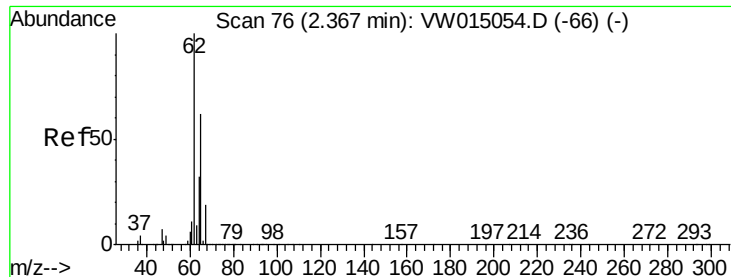
Instrument :
MSVOA_W
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 28 03:59:49 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 6.910 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015069.D

Acq: 27 Feb 2020 17:40

Instrument :

MSVOA_W

ClientSampled :

GAW01

Tot Ion: 62 Resp: 101230

Ion Ratio Lower Upper

62 100

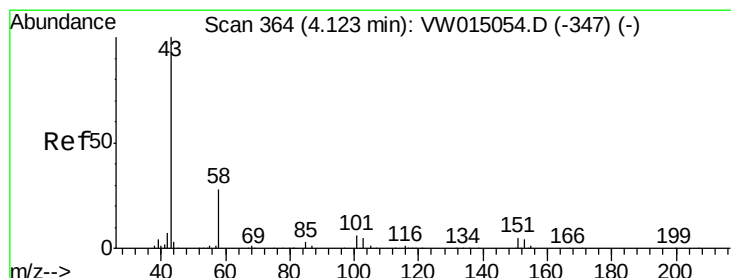
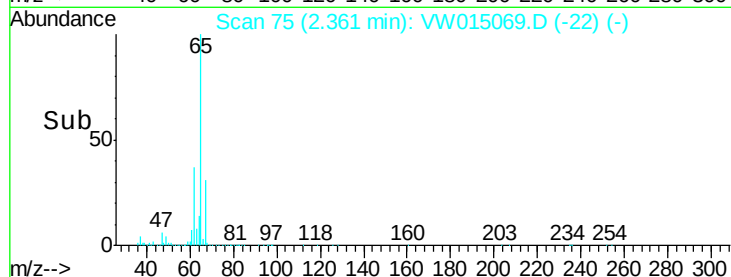
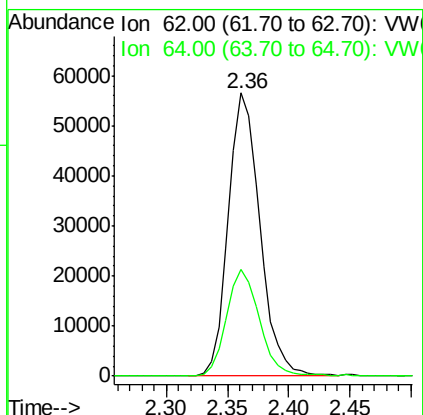
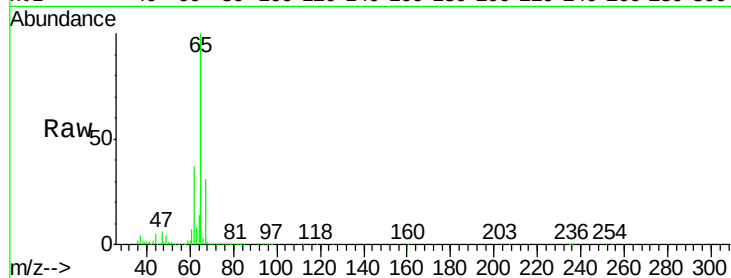
64 37.6 23.0 42.8

Manual Integrations

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#13

Acetone

Concen: 7.070 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015069.D

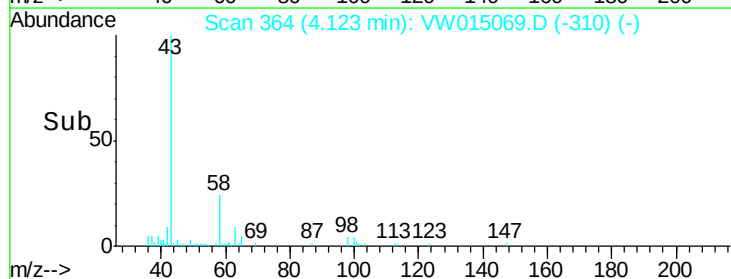
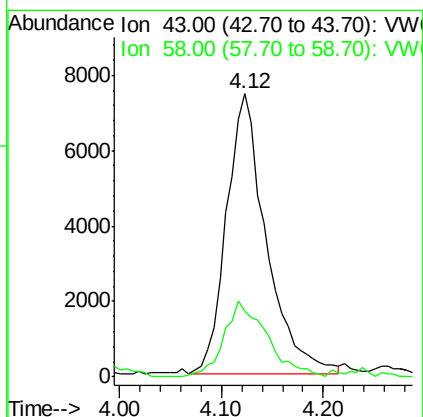
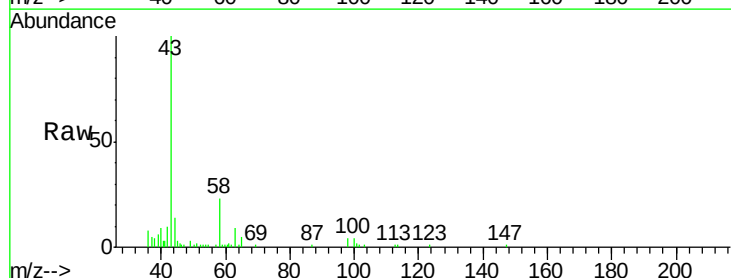
Acq: 27 Feb 2020 17:40

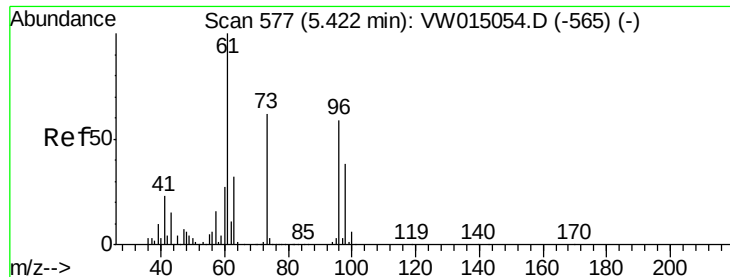
Tgt Ion: 43 Resp: 20238

Ion Ratio Lower Upper

43 100

58 29.3 0.0 54.0





#18

trans-1,2-Dichloroethene

Concen: 3.868 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW015069.D

Acq: 27 Feb 2020 17:40

Instrument :

MSVOA_W

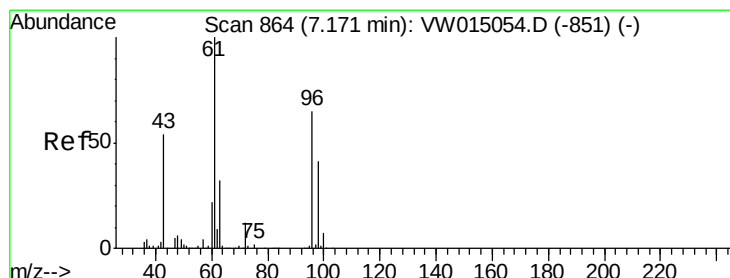
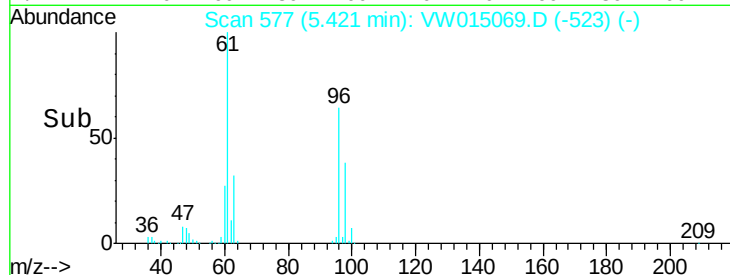
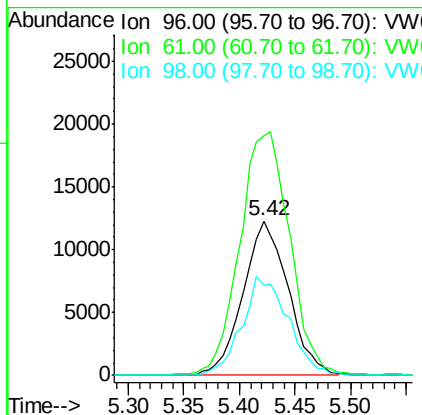
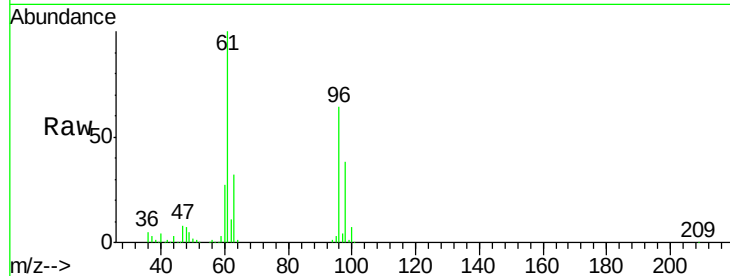
ClientSampled :

GAW01

Tot Ion:	96	Resp:	34597
Ion	Ratio	Lower	Upper
96	100		
61	155.6	115.1	213.8
98	58.6	44.0	81.6

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#22

cis-1,2-Dichloroethene

Concen: 212.541 ug/L

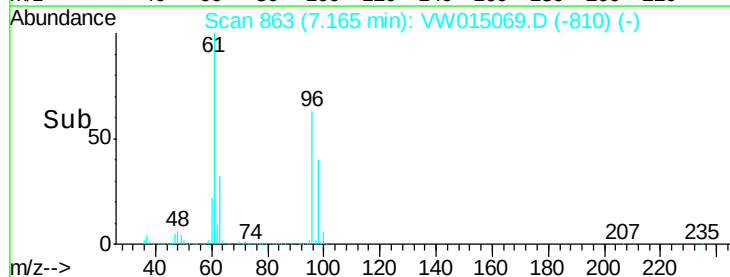
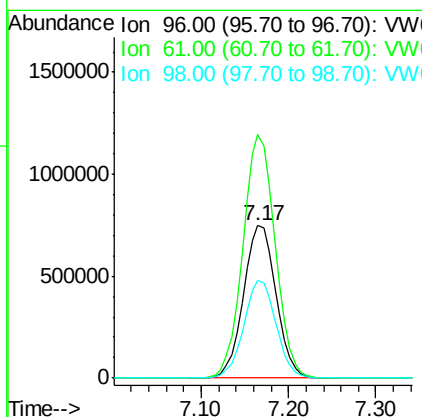
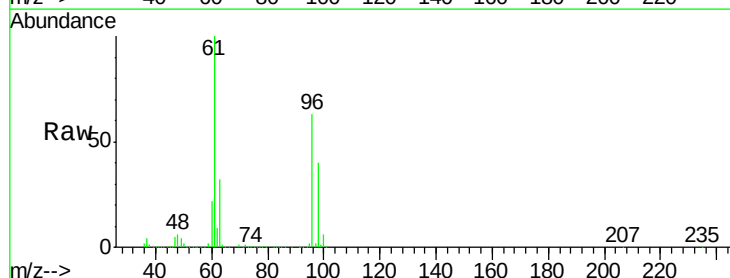
RT: 7.17 min Scan# 863

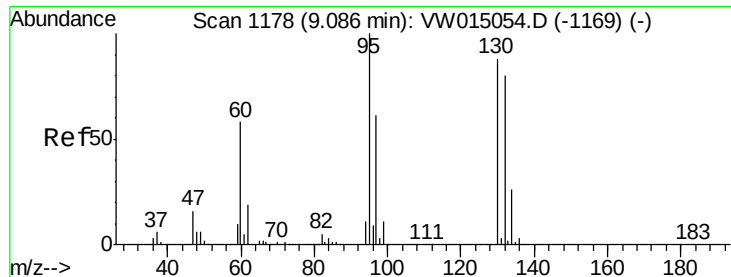
Delta R.T. -0.01 min

Lab File: VW015069.D

Acq: 27 Feb 2020 17:40

Tgt Ion:	96	Resp:	1934560
Ion	Ratio	Lower	Upper
96	100		
61	159.7	105.2	195.4
98	64.3	42.6	79.2





#35

Trichloroethene

Concen: 28.171 ug/L

RT: 9.09 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VW015069.D

Acq: 27 Feb 2020 17:40

Instrument :

MSVOA_W

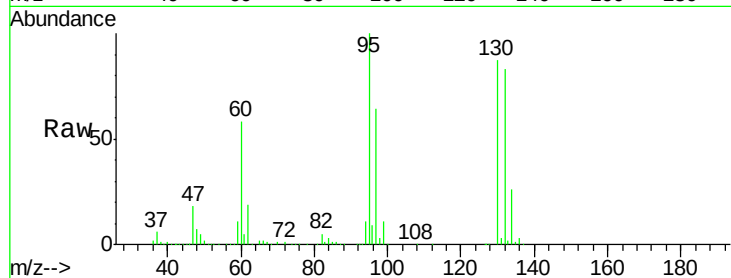
ClientSampled :

GAW01

Tot Ion	95	Resp	279739
Ion	Ratio	Lower	Upper
95	100		
97	64.3	44.7	83.1
132	84.2	58.1	107.9
130	88.0	62.0	115.2

Manual Integrations
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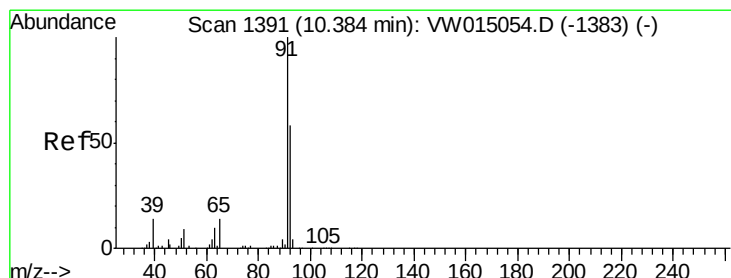
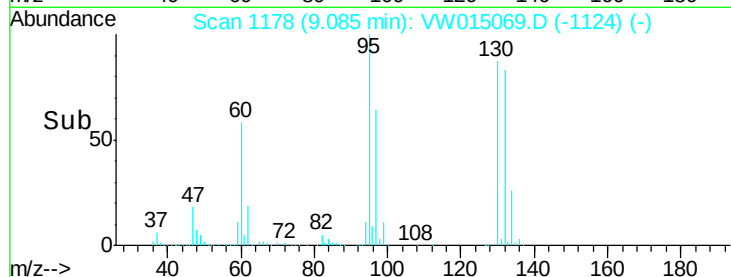
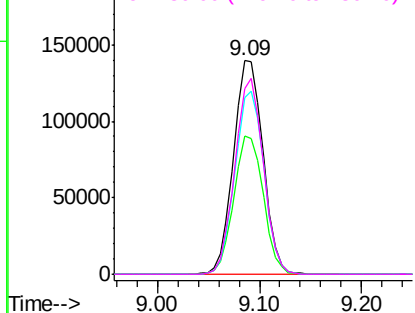
Abundance

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: 0.397 ug/L

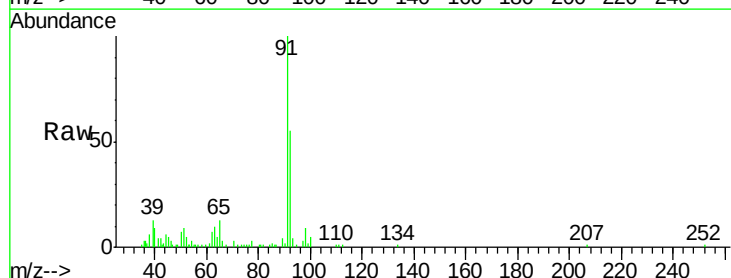
RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW015069.D

Acq: 27 Feb 2020 17:40

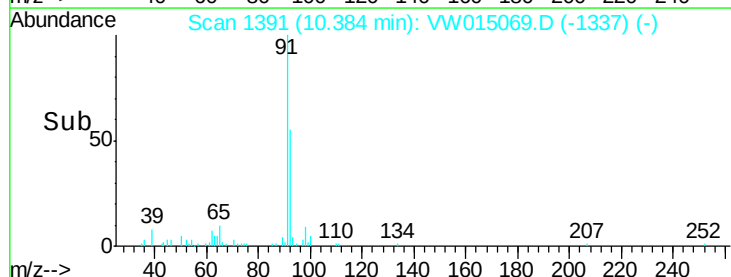
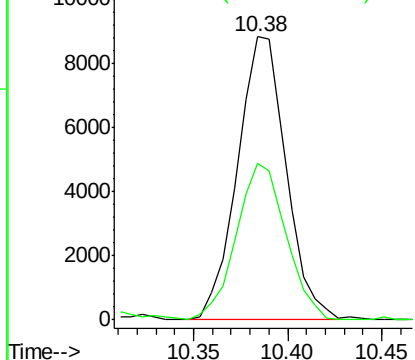
Tgt Ion	91	Resp	15828
Ion	Ratio	Lower	Upper
91	100		
92	55.3	40.5	75.1

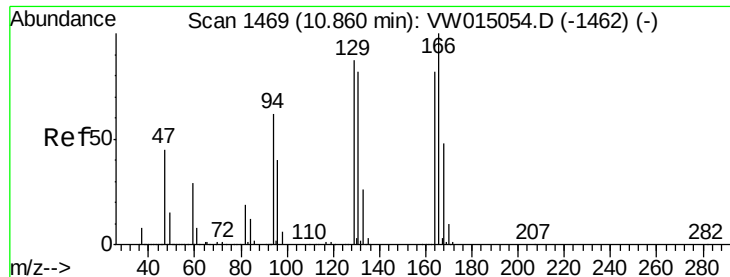


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW





#47

Tetrachloroethene

Concen: 0.703 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VW015069.D

Acq: 27 Feb 2020 17:40

Instrument :

MSVOA_W

ClientSampled :

GAW01

Tot Ion:164 Resp: 4502

Ion Ratio Lower Upper

164 100

129 105.6 71.7 133.1

131 108.7 70.1 130.3

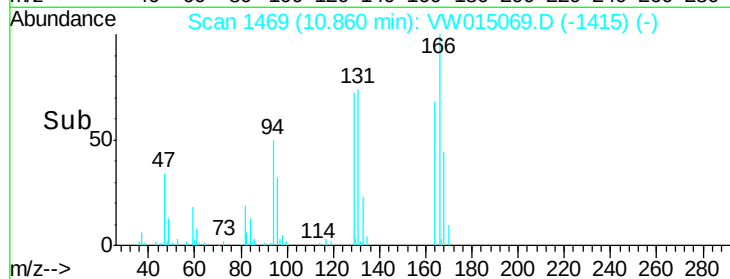
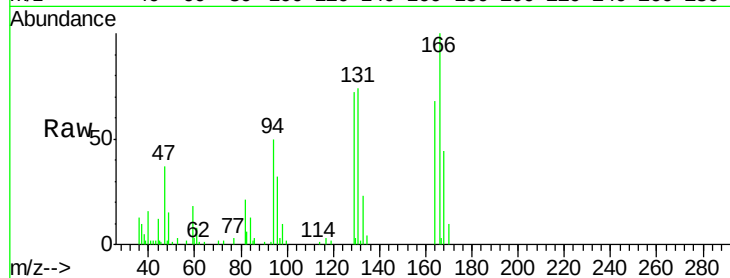
166 146.7 91.3 169.6

Manual Integrations

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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

