

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\
 Data File : VW016834.D
 Acq On : 07 Oct 2020 15:14
 Operator : SY/VA
 Sample : L4284-04
 Misc : 5.30G/10ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3W1

Manual Integrations
 APPROVED

MMDadoda
 10/12/2020 1:55:26 PM

Quant Time: Oct 08 09:17:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 08:32:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	374647	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	337054	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	154597	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	175842	47.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	190.32%#
7) Chloroethane-d5	2.89	69	143288	46.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	184.88%#
10) 1,1-Dichloroethene-d2	4.03	63	253026	32.24	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	128.96%#
20) 2-Butanone-d5	7.09	46	68721	82.09	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	164.18%#
24) Chloroform-d	7.65	84	346277	43.80	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	175.20%#
26) 1,2-Dichloroethane-d4	8.31	65	177149	46.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	185.60%#
29) Benzene-d6	8.27	84	726323	47.45	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	189.80%#
33) 1,2-Dichloropropane-d6	9.27	67	194125	47.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	188.76%#
37) Toluene-d8	10.32	98	686618	47.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	190.12%#
38) trans-1,3-Dichloropropene-	10.58	79	79030	43.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	174.24%#
39) 2-Hexanone-d5	10.93	63	58533	92.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	184.00%#
48) 1,1,2,2-Tetrachloroethane-	12.69	84	148373	44.65	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	178.60%#
61) 1,2-Dichlorobenzene-d4	13.85	152	240248	49.00	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	196.00%#

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.17	43	4622	7.296	ug/L	76
16) Methylene chloride	4.92	84	13292	2.571	ug/L	93
17) Methyl tert-butyl Ether	5.43	73	2758m	0.509	ug/L	
22) cis-1,2-Dichloroethene	7.18	96	1987	0.385	ug/L	82
35) Trichloroethene	9.09	95	165426	32.311	ug/L	99
47) Tetrachloroethene	10.87	164	2272377	478.732	ug/L	96

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

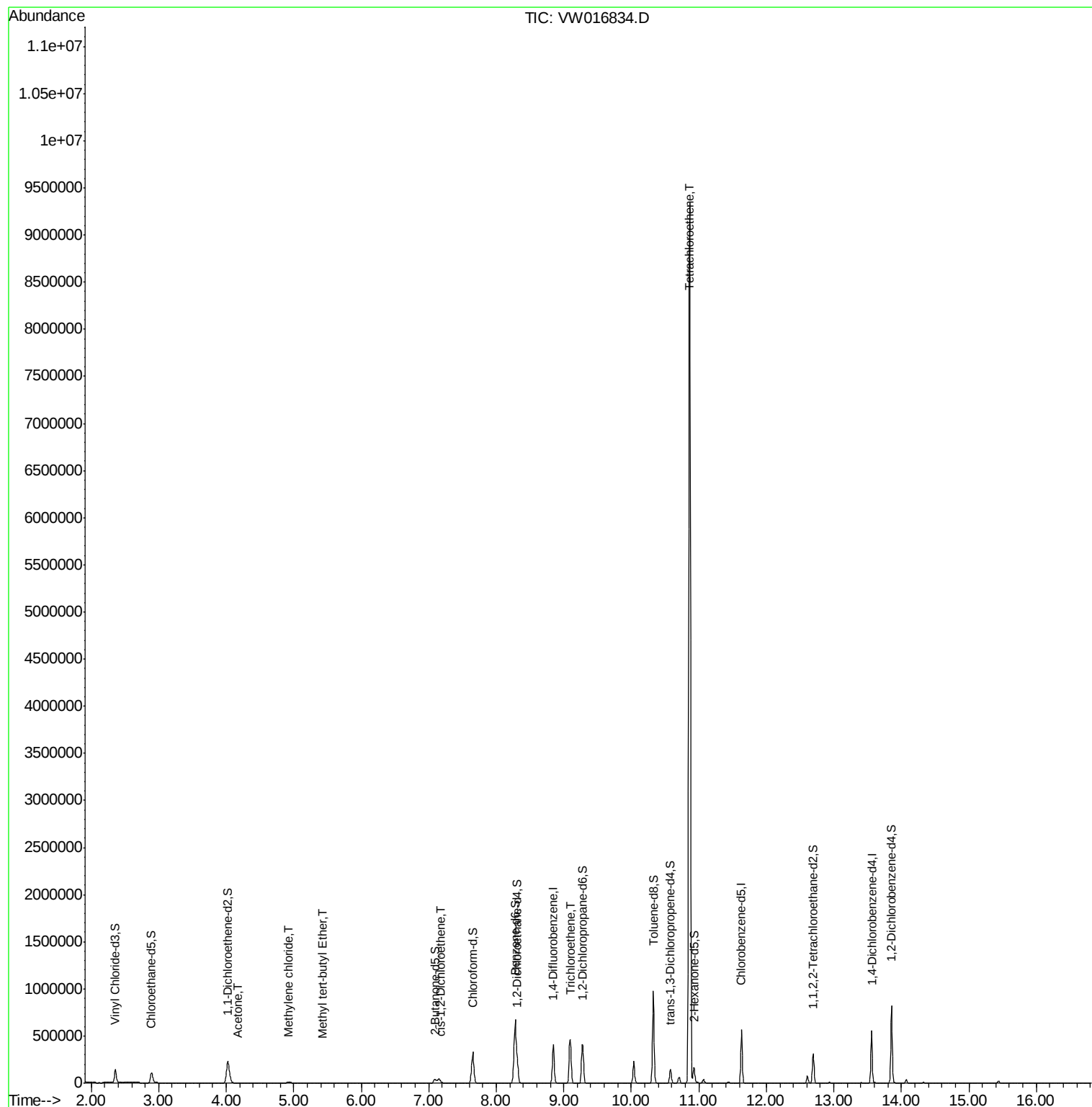
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100820\
Data File : VW016834.D
Acq On : 07 Oct 2020 15:14
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ALS Vial : 14 Sample Multiplier: 1

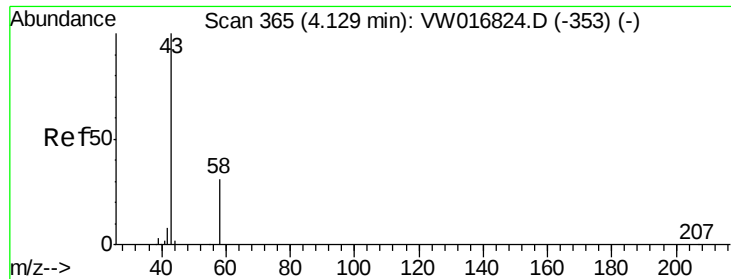
Instrument :
MSVOA_W
ClientSampleId :
BG3W1

Manual Integrations
APPROVED

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10/12/2020 1:55:26 PM

Quant Time: Oct 08 09:17:58 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 08 08:32:41 2020
Response via : Initial Calibration





#13

Acetone

Concen: 7.296 ug/L

RT: 4.17 min Scan# 371

Delta R.T. 0.04 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

Instrument :

MSVOA_W

ClientSampled :

BG3W1

Tot Ion: 43 Resp: 4622

Ion Ratio Lower Upper

43 100

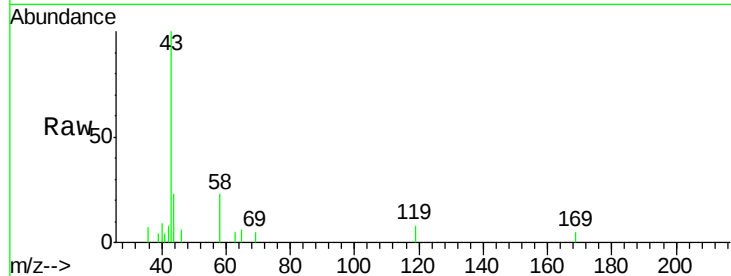
58 20.3 0.0 67.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.17

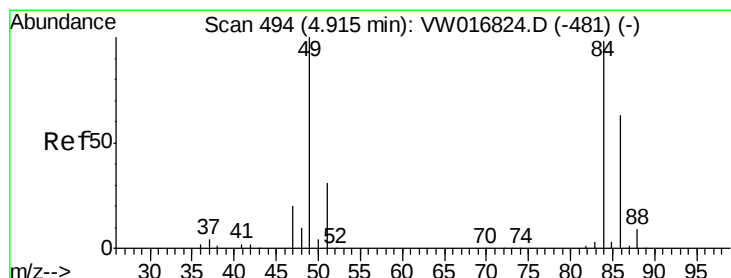
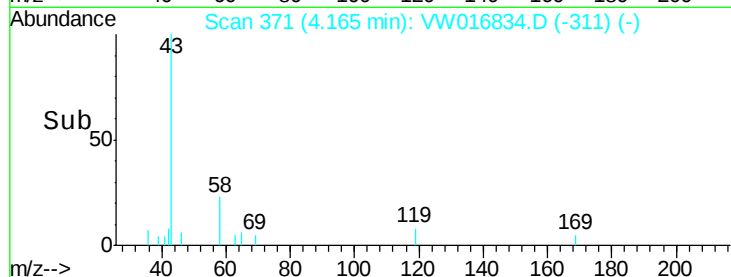
1500

1000

500

0

Time--> 4.05 4.10 4.15 4.20 4.25



#16

Methylene chloride

Concen: 2.571 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

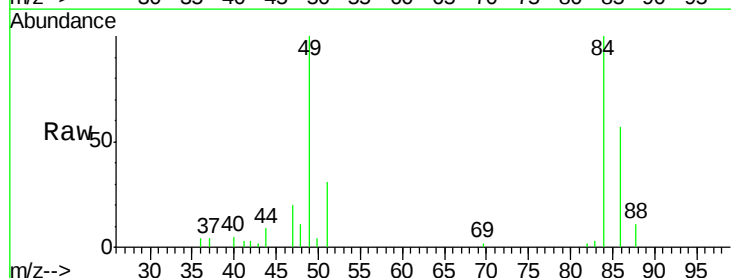
Tgt Ion: 84 Resp: 13292

Ion Ratio Lower Upper

84 100

49 99.9 73.1 135.8

86 56.8 46.0 85.4



Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW

4.92

5000

4000

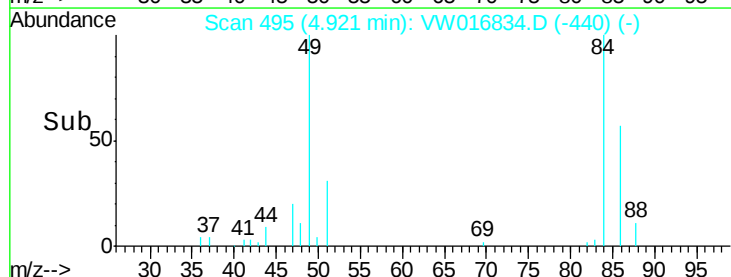
3000

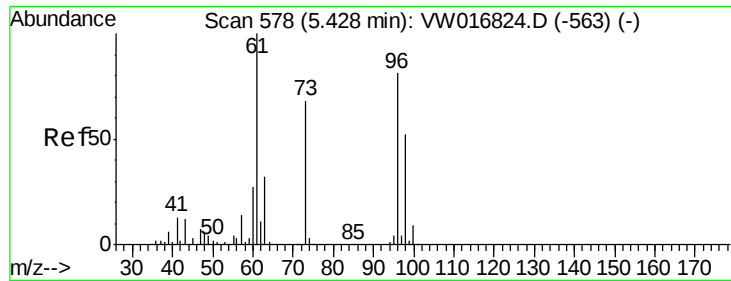
2000

1000

0

Time--> 4.80 4.90 5.00





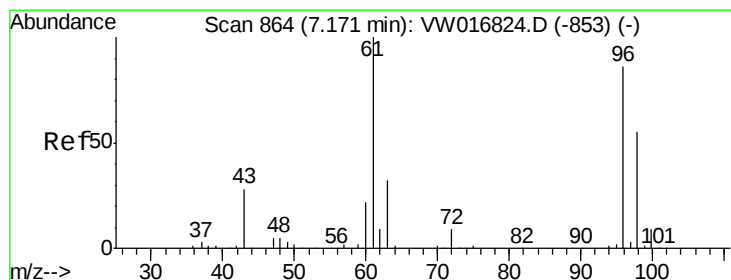
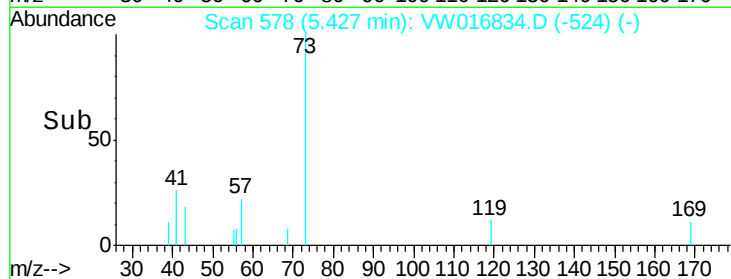
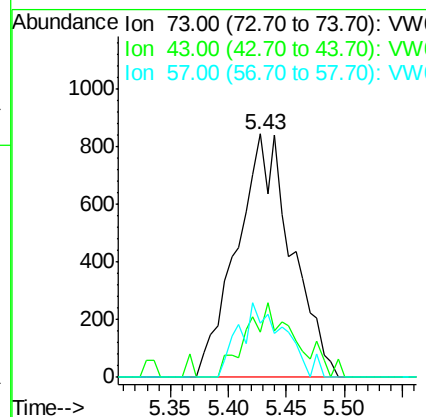
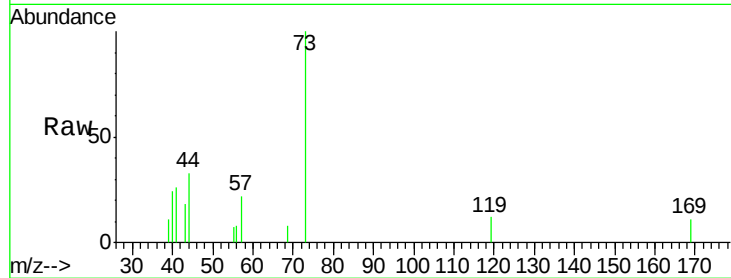
#17
Methvl tert-butvl Ether
Concen: 0.509 ug/L m
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW016834.D
Acq: 07 Oct 2020 15:14

Instrument :
MSVOA_W
ClientSampled :
BG3W1

Tot Ion	Ratio	Lower	Upper
73	100		
43	5.5	15.0	22.4#
57	0.0	16.4	24.6#

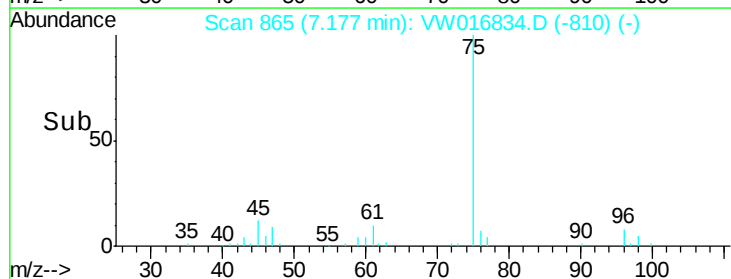
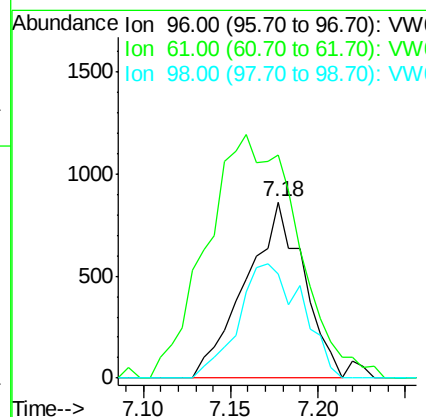
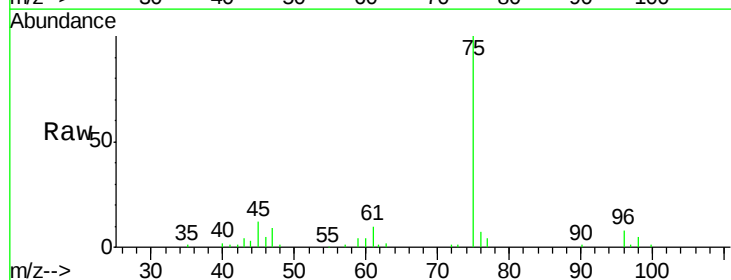
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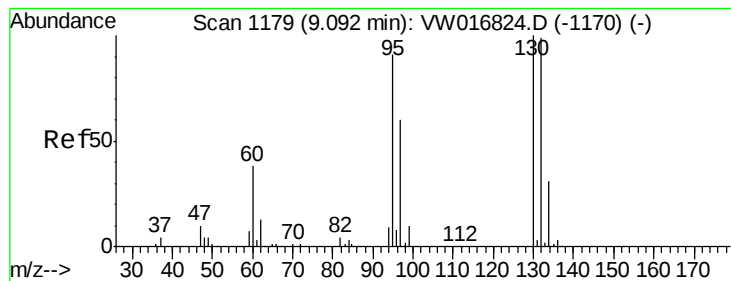
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#22
cis-1,2-Dichloroethene
Concen: 0.385 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW016834.D
Acq: 07 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.9	76.0	141.2
98	58.8	42.7	79.3





#35

Trichloroethene

Concen: 32.311 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

Instrument :

MSVOA_W

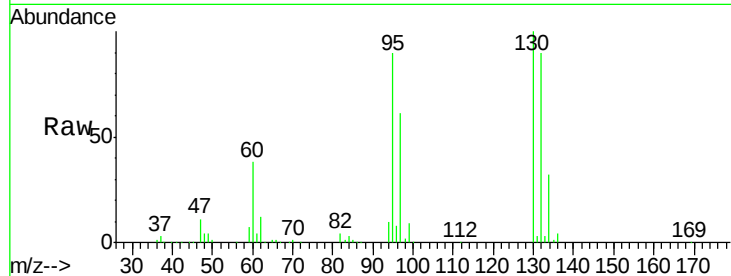
ClientSampled :

BG3W1

Tot Ion	95	Resp	165426
Ion Ratio	Lower	Upper	
95	100		
97	66.7	44.7	83.1
132	107.0	73.8	137.2
130	110.4	77.1	143.3

Manual Integrations
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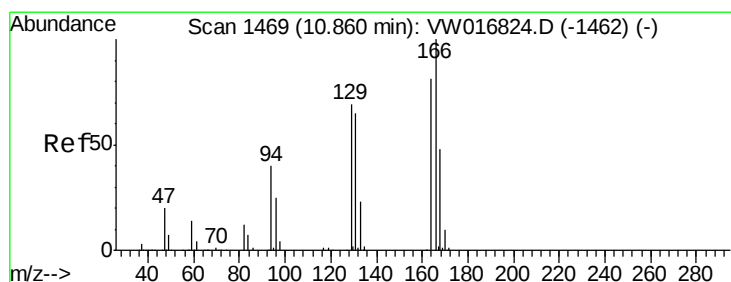
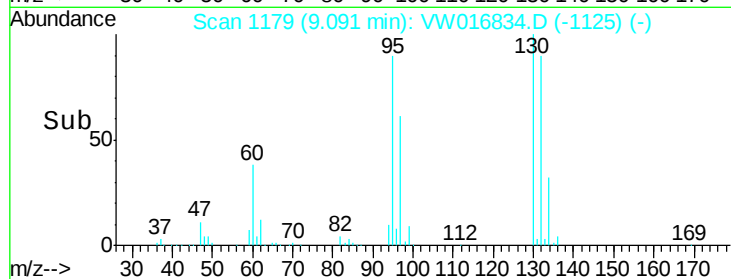
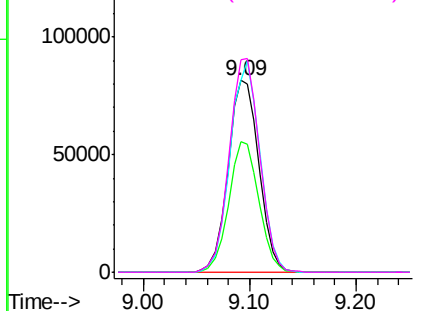


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW



#47

Tetrachloroethene

Concen: 478.732 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016834.D

Acq: 07 Oct 2020 15:14

Tgt Ion	164	Resp	2272377
Ion Ratio	Lower	Upper	
164	100		
129	93.0	61.7	114.7
131	90.6	59.7	110.9
166	128.8	88.3	164.1

Abundance Ion 164.00 (163.70 to 164.70): VW

Ion 129.00 (128.70 to 129.70): VW

Ion 131.00 (130.70 to 131.70): VW

Ion 166.00 (165.70 to 166.70): VW

