

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102020\
 Data File : VW016947.D
 Acq On : 20 Oct 2020 11:51
 Operator : SY/VA
 Sample : L4471-01
 Misc : 5.55G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG3Y9

Manual Integrations
 APPROVED

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 10/26/2020 1:35:32 PM

1:35:32 PM

Quant Time: Oct 21 22:37:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 20 22:43:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	597385	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	512331	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	250092	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	122088	20.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.88%
7) Chloroethane-d5	2.89	69	111575	22.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.28%
10) 1,1-Dichloroethene-d2	4.02	63	196943	15.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.96%
20) 2-Butanone-d5	7.09	46	61273	45.90	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.80%
24) Chloroform-d	7.65	84	307141	24.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	97.48%
26) 1,2-Dichloroethane-d4	8.31	65	150337	24.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.76%
29) Benzene-d6	8.27	84	601707	25.86	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.44%
33) 1,2-Dichloropropane-d6	9.27	67	172150	27.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.12%
37) Toluene-d8	10.32	98	556013	25.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.28%
38) trans-1,3-Dichloropropene-	10.58	79	68170	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.88%
39) 2-Hexanone-d5	10.93	63	50795	52.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.06%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	130933	25.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.68%
61) 1,2-Dichlorobenzene-d4	13.86	152	211597	26.67	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.68%

Target Compounds

					Ovalue	
13) Acetone	4.14	43	2558m	2.532	ug/L	
16) Methylene chloride	4.92	84	13522m	1.640	ug/L	
17) Methyl tert-butyl Ether	5.42	73	2153m	0.249	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	2719	0.330	ug/L	91
34) Benzene	8.32	78	10144	0.369	ug/L	100
35) Trichloroethene	9.09	95	158071	20.311	ug/L	99
47) Tetrachloroethene	10.87	164	3248555	450.247	ug/L	94

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

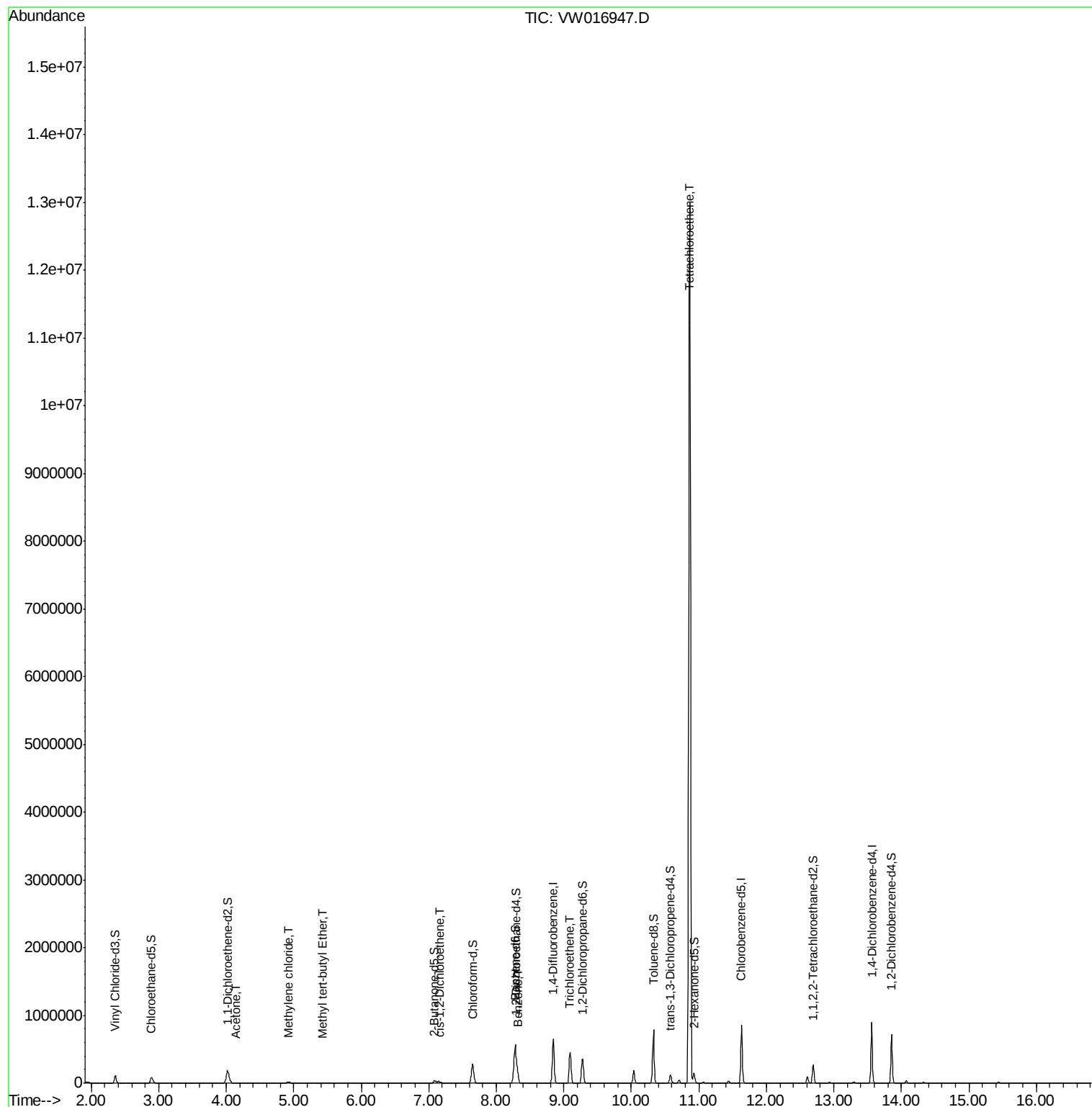
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW102020\
Data File : VW016947.D
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Operator : SY/VA
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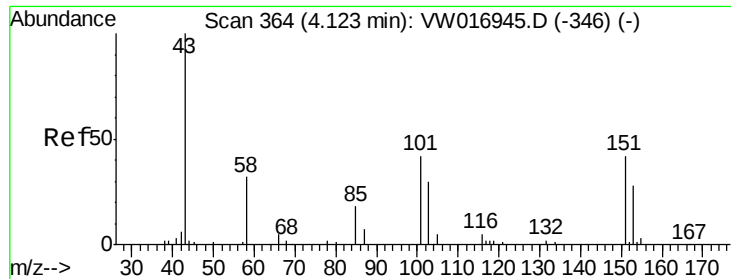
Instrument :
MSVOA_W
ClientSampleId :
BG3Y9

Manual Integrations
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Quant Time: Oct 21 22:37:07 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100720S.M
Quant Title : VOC Analysis
QLast Update : Tue Oct 20 22:43:28 2020
Response via : Initial Calibration





#13

Acetone

Concen: 2.532 ug/L m

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

Instrument :

MSVOA_W

ClientSampled :

BG3Y9

Tot Ion: 43 Resp: 2558

Ion Ratio Lower Upper

43 100

58 10.9 0.0 67.6

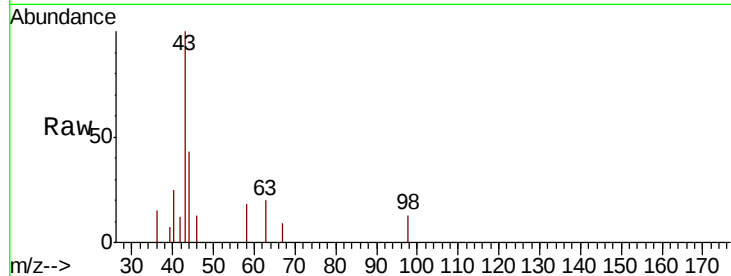
Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

800

600

400

200

0

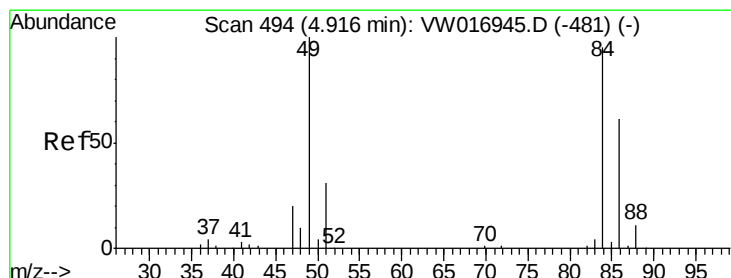
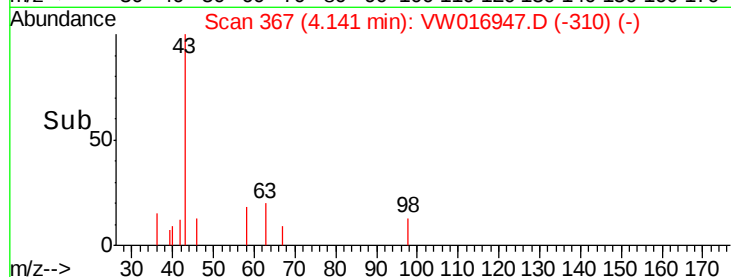
4.05

4.10

4.15

4.20

Time-->



#16

Methylene chloride

Concen: 1.640 ug/L m

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

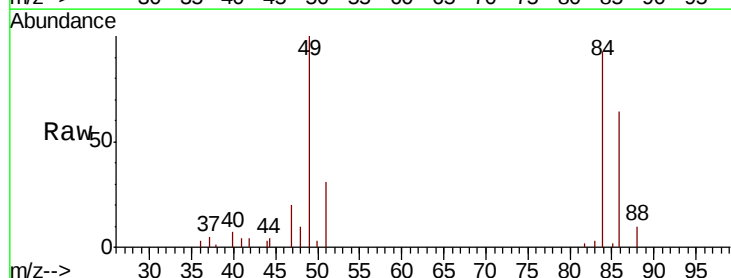
Tgt Ion: 84 Resp: 13522

Ion Ratio Lower Upper

84 100

49 107.0 73.1 135.8

86 68.4 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

5000

4000

3000

2000

1000

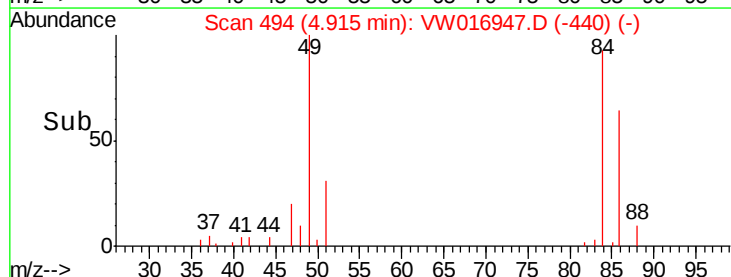
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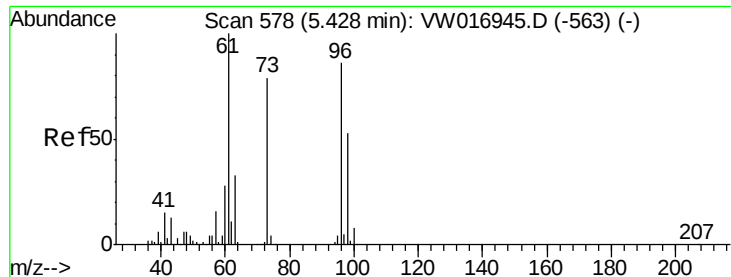
4.80

4.90

5.00

Time-->





#17
Methvl tert-butvl Ether
Concen: 0.249 ug/L m
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW016947.D
Acq: 20 Oct 2020 11:51

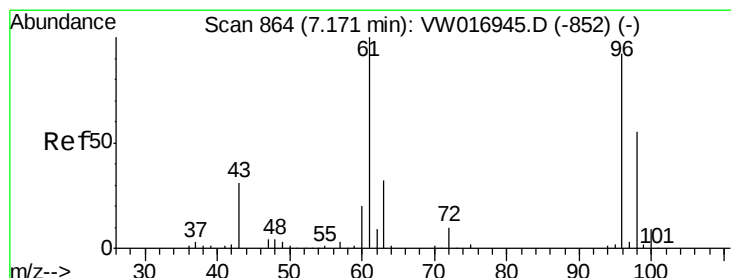
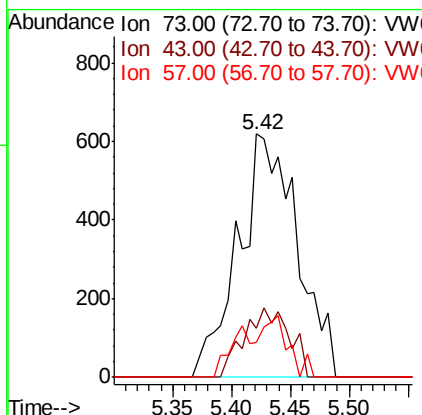
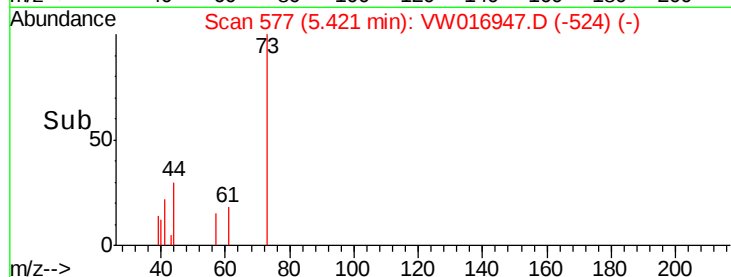
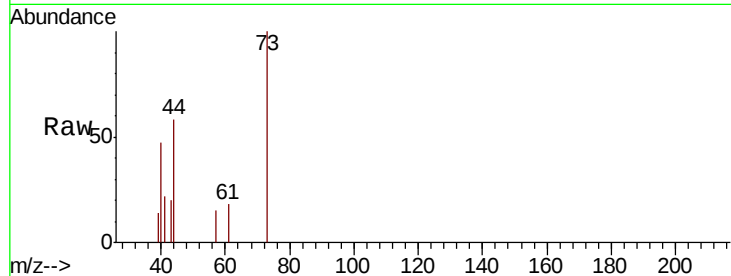
Instrument :
MSVOA_W
ClientSampleId :
BG3Y9

Tot Ion	Ratio	Lower	Upper
73	100		
43	13.6	15.0	22.4#
57	11.3	16.4	24.6#

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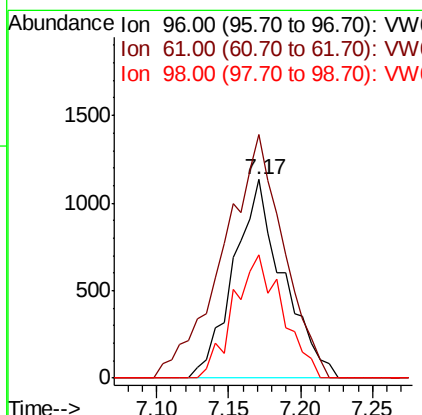
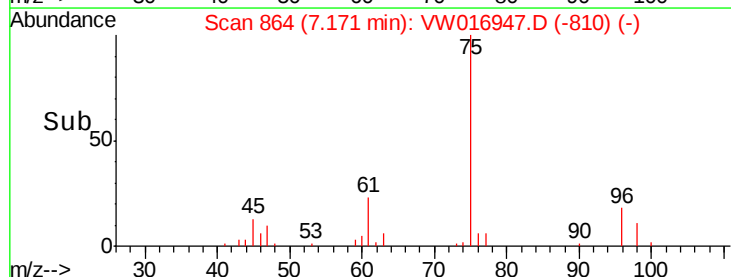
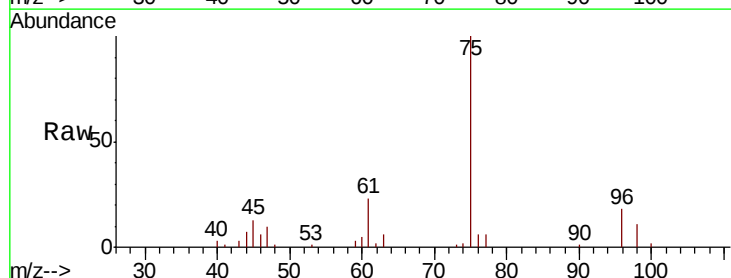
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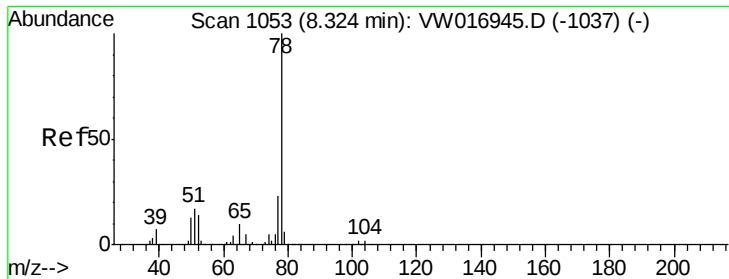
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#22
cis-1,2-Dichloroethene
Concen: 0.330 ug/L
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW016947.D
Acq: 20 Oct 2020 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.9	76.0	141.2
98	62.5	42.7	79.3





#34

Benzene

Concen: 0.369 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

Instrument :

MSVOA_W

ClientSampleId :

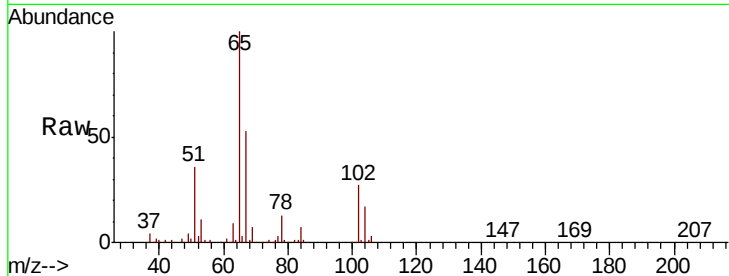
BG3Y9

Tgt Ion: 78 Resp: 10144

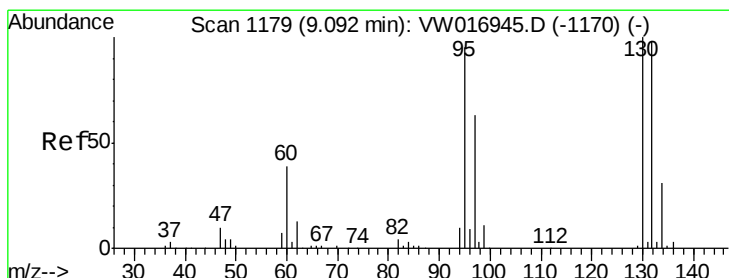
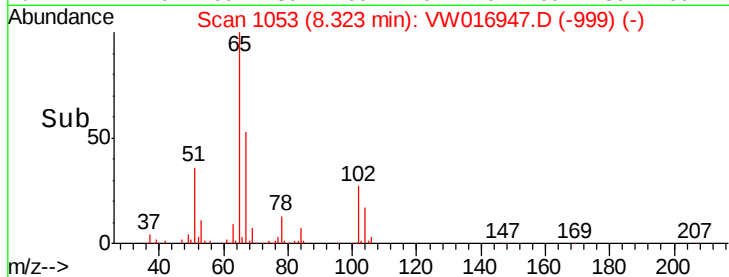
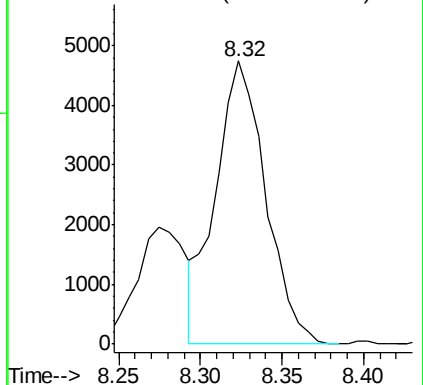
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Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 20.311 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW016947.D

Acq: 20 Oct 2020 11:51

Tgt Ion: 95 Resp: 158071

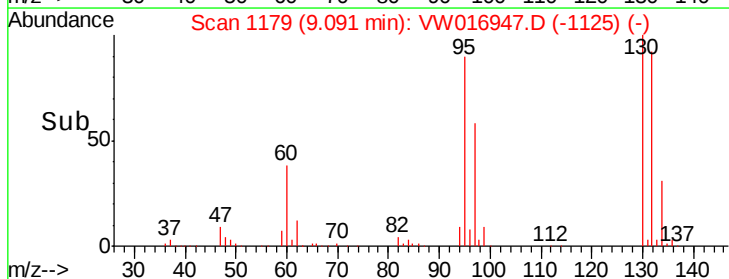
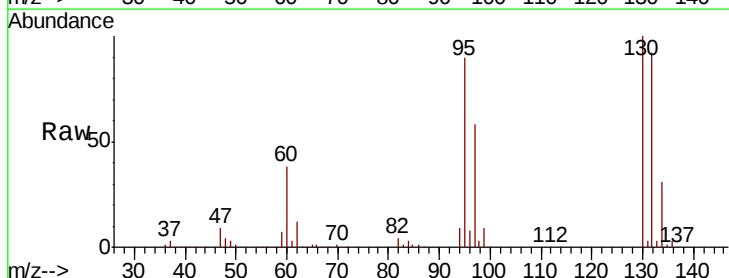
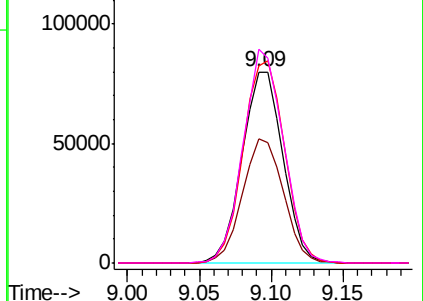
Ion	Ratio	Lower	Upper
95	100		
97	64.9	44.7	83.1
132	106.8	73.8	137.2
130	109.4	77.1	143.3

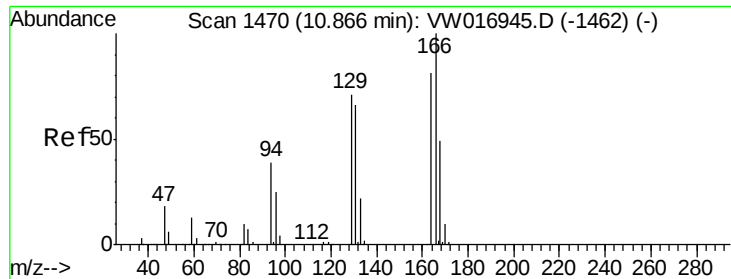
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

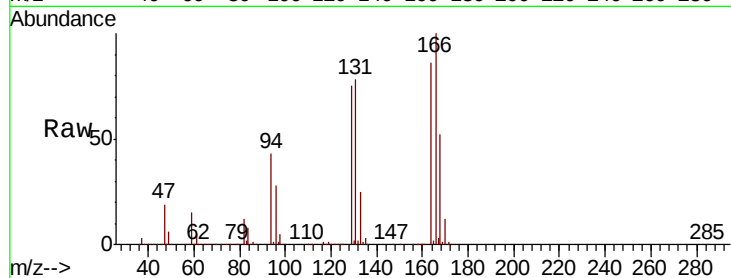
Ion 130.00 (129.70 to 130.70): V





#47
Tetrachloroethene
Concen: 450.247 ug/L
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW016947.D
Acq: 20 Oct 2020 11:51

Instrument :
MSVOA_W
ClientSampleId :
BG3Y9



Tot Ion:	164	Resp:	3248555
Ion	Ratio	Lower	Upper
164	100		
129	87.7	61.7	114.7
131	90.8	59.7	110.9
166	116.2	88.3	164.1

Manual Integrations
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