

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022620\
 Data File : VW015045.D
 Acq On : 26 Feb 2020 15:43
 Operator : SY/VA
 Sample : L1686-01
 Misc : 5.90G/10ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GAW00

Manual Integrations
 APPROVED

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 2/27/2020 3:37:25 PM

Quant Time: Feb 27 03:29:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 27 02:01:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	689696	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	634603	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	233067	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	378236	21.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.68%
7) Chloroethane-d5	2.89	69	269351	21.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.64%
10) 1,1-Dichloroethene-d2	4.02	63	463944m	17.28	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.12%
20) 2-Butanone-d5	7.07	46	129236	44.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.64%
24) Chloroform-d	7.65	84	518234	22.87	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.48%
26) 1,2-Dichloroethane-d4	8.31	65	293126	23.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.48%
29) Benzene-d6	8.27	84	1048027	24.03	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.12%
33) 1,2-Dichloropropane-d6	9.27	67	348527	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.48%
37) Toluene-d8	10.32	98	872527	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.96%
38) trans-1,3-Dichloropropene-	10.57	79	124966	23.16	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.64%
39) 2-Hexanone-d5	10.92	63	105636	54.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.30%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	214597	22.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.00%
61) 1,2-Dichlorobenzene-d4	13.85	152	223890	26.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	4.12	43	39675	11.633	ug/L	97
16) Methylene chloride	4.92	84	34147	2.675	ug/L	93
18) trans-1,2-Dichloroethene	5.43	96	7763	0.728	ug/L	92
22) cis-1,2-Dichloroethene	7.17	96	205286	18.929	ug/L	97
34) Benzene	8.32	78	36056	0.764	ug/L	100
35) Trichloroethene	9.09	95	11616647	1017.295	ug/L	98
44) Toluene	10.38	91	917002	20.002	ug/L	99
46) 1,1,2-Trichloroethane	10.79	97	11886	1.611	ug/L	96
47) Tetrachloroethene	10.86	164	12267385	1666.846	ug/L	94

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

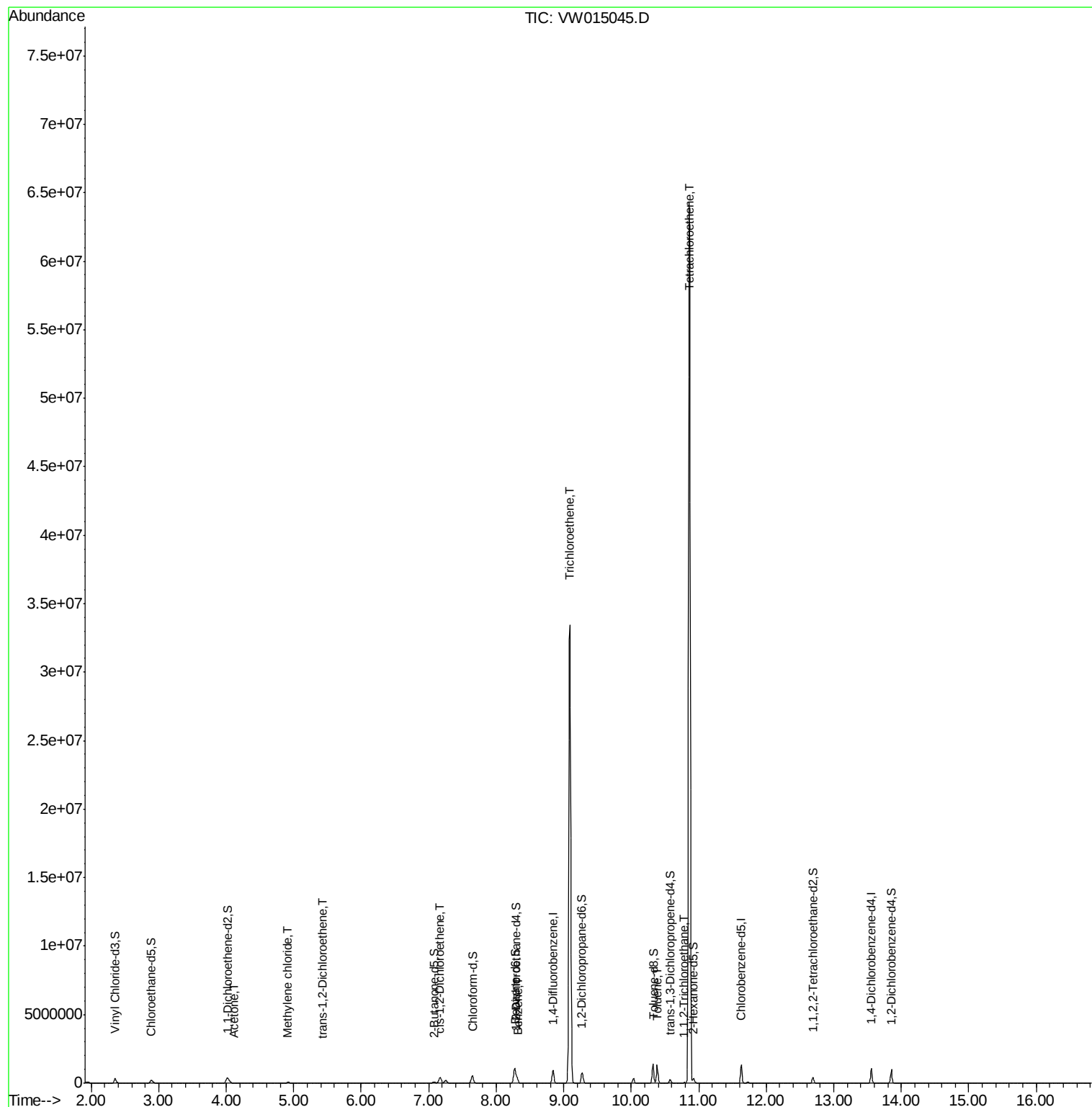
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022620\
Data File : VW015045.D
Acq On : 26 Feb 2020 15:43
Operator : SY/VA
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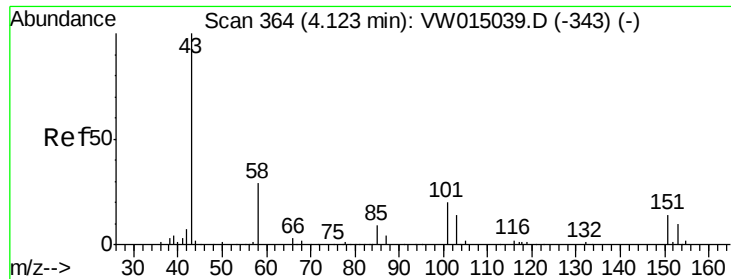
Instrument :
MSVOA_W
ClientSampleId :
GAW00

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Quant Time: Feb 27 03:29:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM022420S.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 27 02:01:40 2020
Response via : Initial Calibration





#13

Acetone

Concen: 11.633 ug/L

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

ClientSampleId :

GAW00

Tot Ion: 43 Resp: 39675

Ion Ratio Lower Upper

43 100

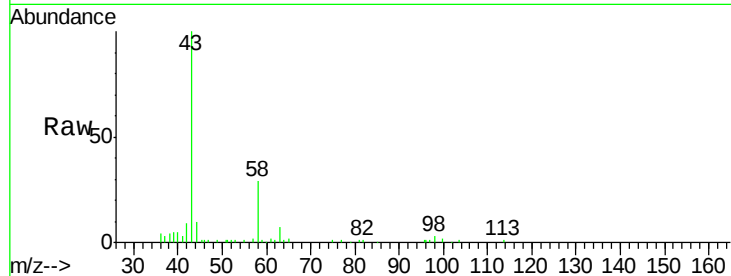
58 28.6 0.0 54.0

Manual Integrations

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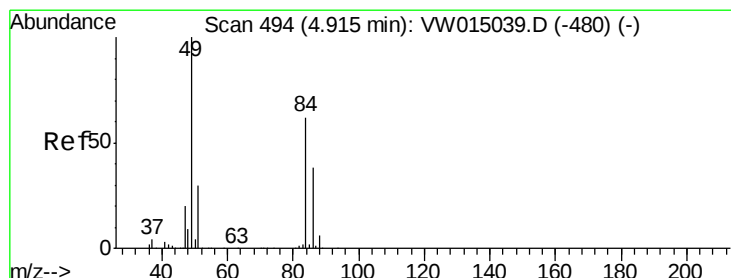
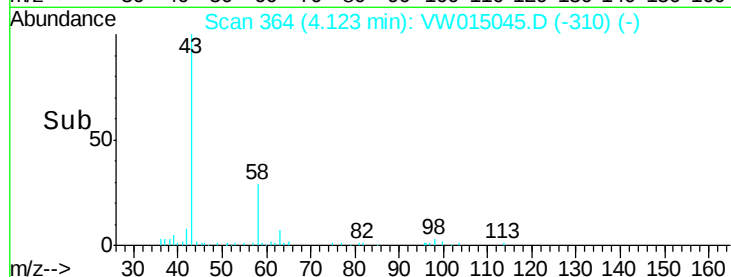
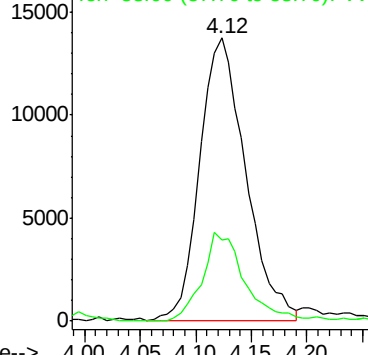
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#16

Methylene chloride

Concen: 2.675 ug/L

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

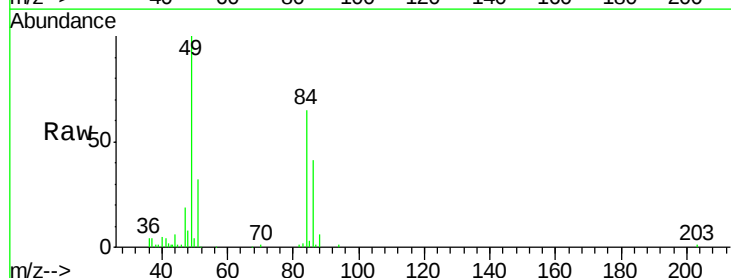
Tgt Ion: 84 Resp: 34147

Ion Ratio Lower Upper

84 100

49 153.5 115.6 214.8

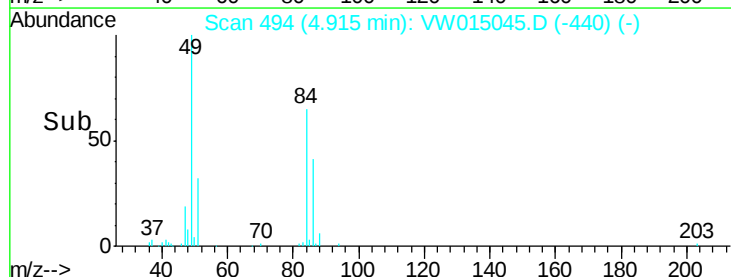
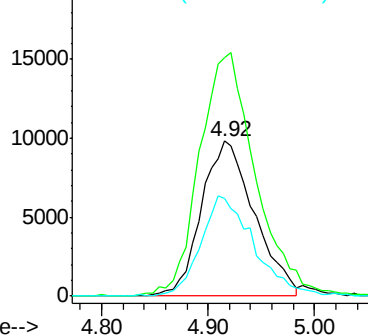
86 63.4 45.9 85.3

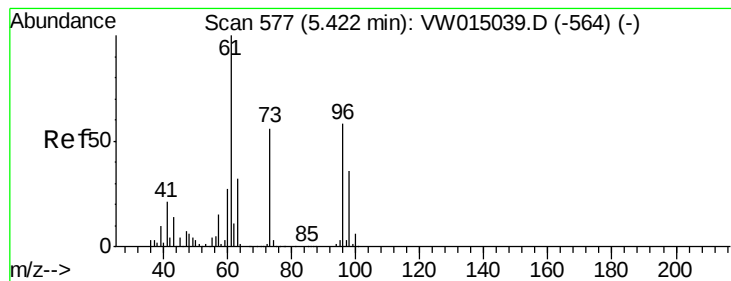


Abundance Ion 84.00 (83.70 to 84.70): VW

Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW





#18

trans-1,2-Dichloroethene

Concen: 0.728 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

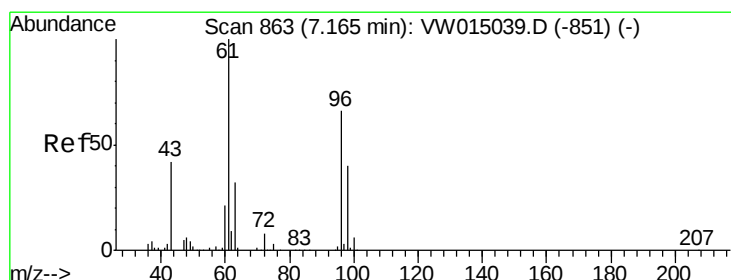
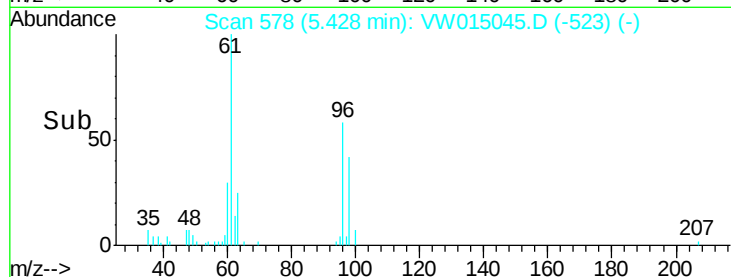
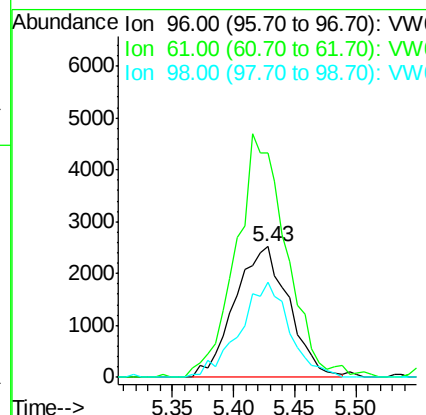
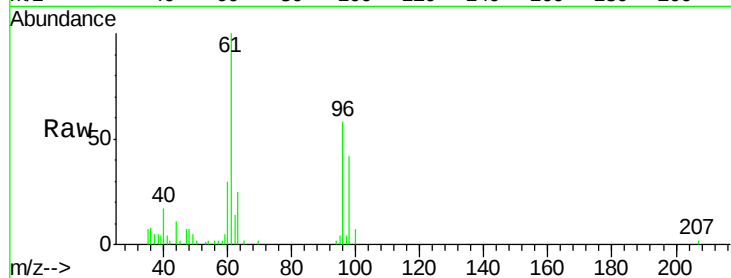
ClientSampled :

GAW00

Tot Ion:	96	Resp:	7763
Ion	Ratio	Lower	Upper
96	100		
61	172.2	115.1	213.8
98	72.8	44.0	81.6

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#22

cis-1,2-Dichloroethene

Concen: 18.929 ug/L

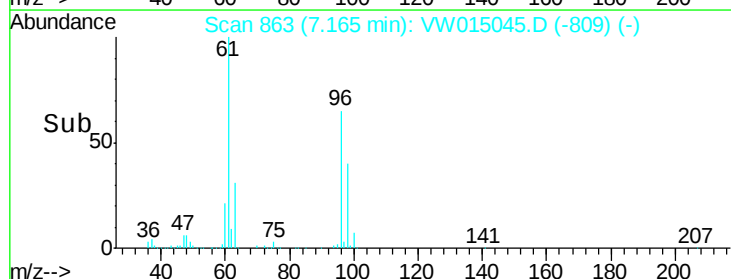
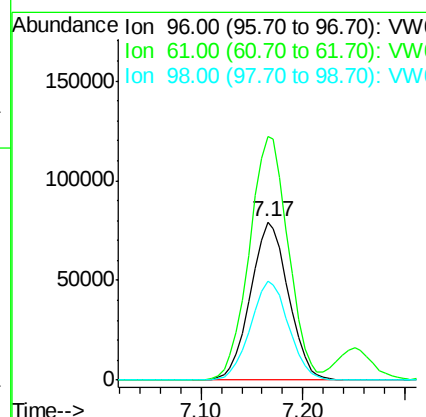
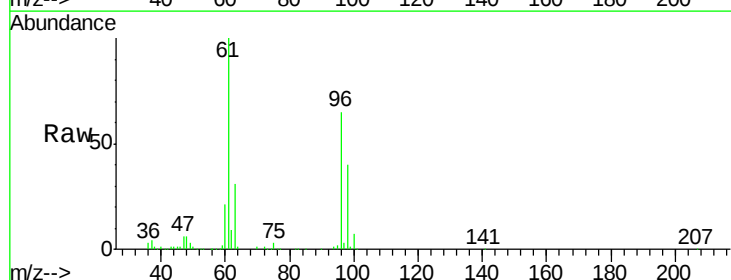
RT: 7.17 min Scan# 863

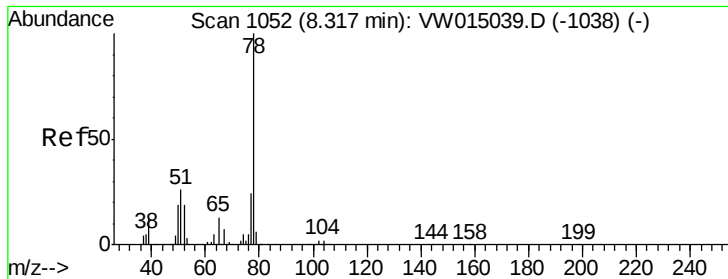
Delta R.T. 0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Tgt Ion:	96	Resp:	205286
Ion	Ratio	Lower	Upper
96	100		
61	154.2	105.2	195.4
98	62.4	42.6	79.2





#34

Benzene

Concen: 0.764 ug/L

RT: 8.32 min Scan# 1053

Delta R.T. 0.01 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

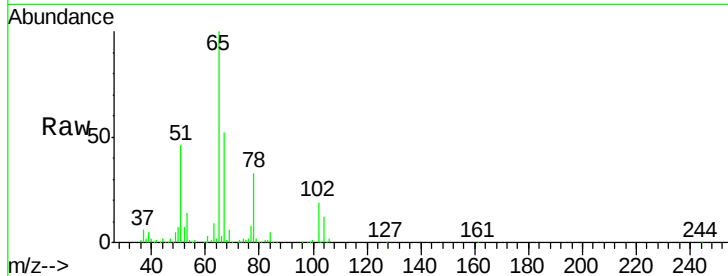
ClientSampleId :

GAW00

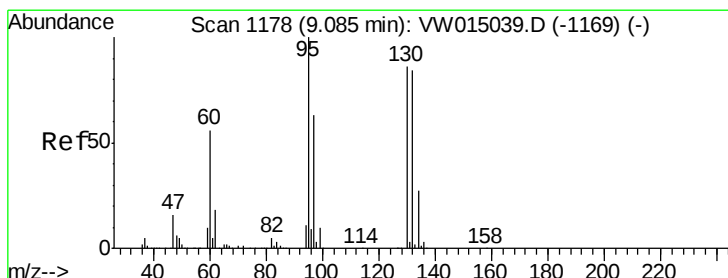
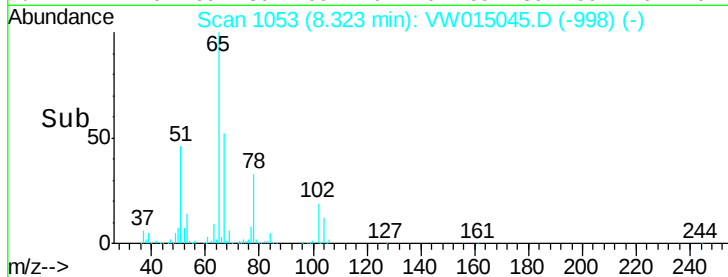
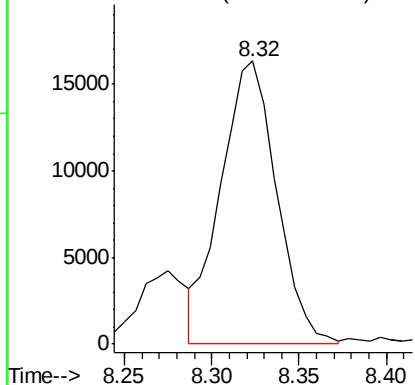
Tgt Ion: 78 Resp: 36056

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Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 1017.295 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Tgt Ion: 95 Resp: 11616647

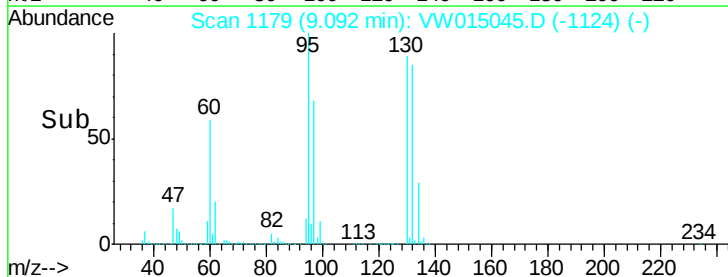
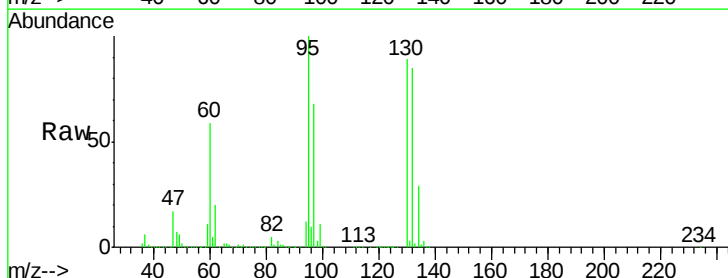
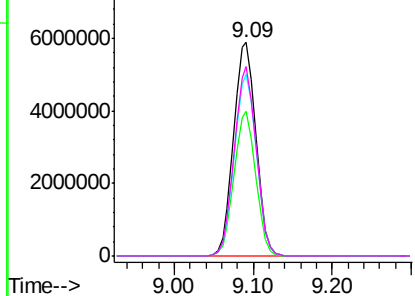
Ion	Ratio	Lower	Upper
95	100		
97	65.9	44.7	83.1
132	83.9	58.1	107.9
130	87.0	62.0	115.2

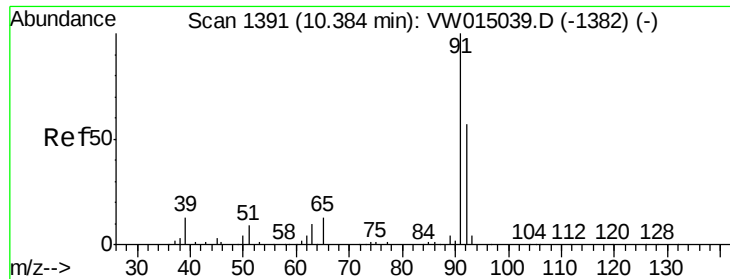
Abundance Ion 95.00 (94.70 to 95.70): VW

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: 20.002 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

ClientSampled :

GAW00

Tot Ion: 91 Resp: 917002

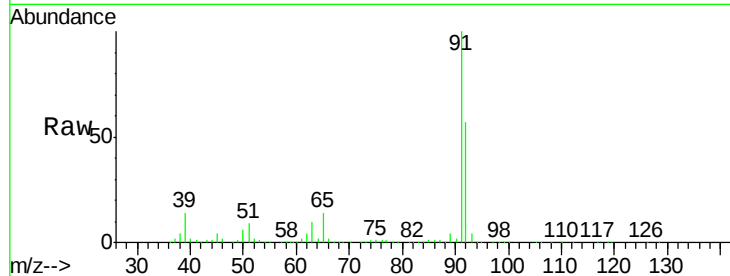
Ion Ratio Lower Upper

91 100

92 56.8 40.5 75.1

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.38

500000

400000

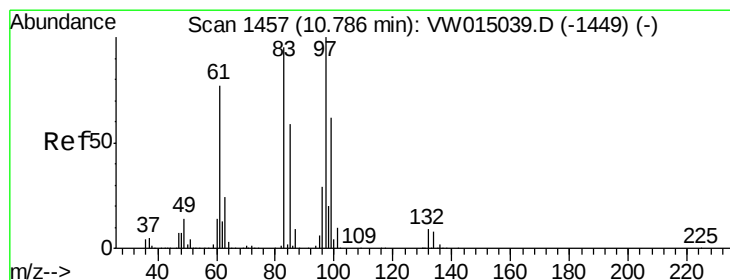
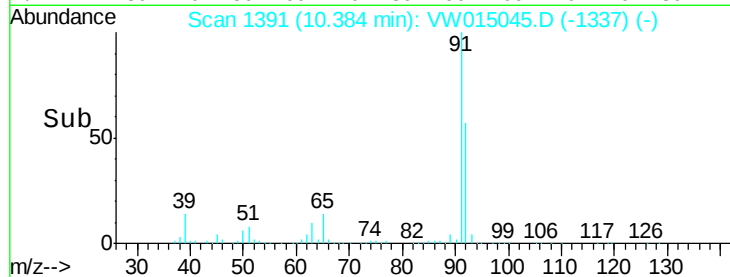
300000

200000

100000

0

Time-->



#46

1,1,2-Trichloroethane

Concen: 1.611 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Tgt Ion: 97 Resp: 11886

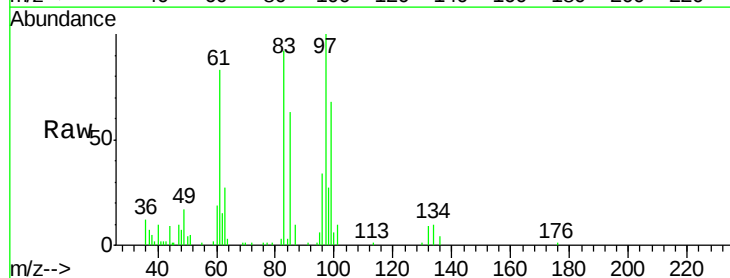
Ion Ratio Lower Upper

97 100

83 91.9 64.4 119.6

85 63.2 40.9 75.9

99 68.1 44.1 81.9



Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW

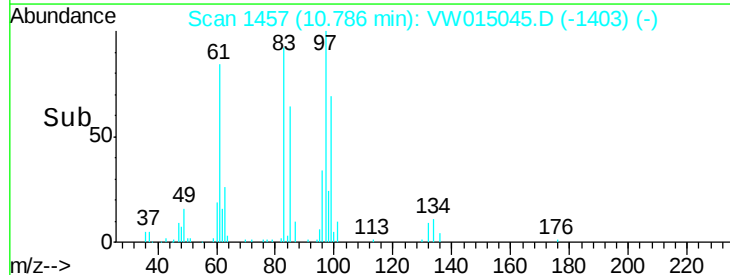
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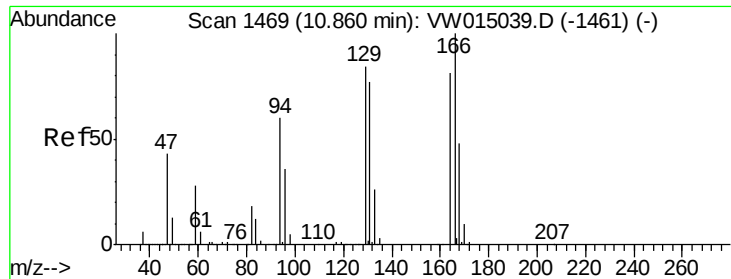
200000

100000

0

Time-->





#47

Tetrachloroethene

Concen: 1666.846 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW015045.D

Acq: 26 Feb 2020 15:43

Instrument :

MSVOA_W

ClientSampleId :

GAW00

Tot Ion:164 Resp:12267385

Ion Ratio Lower Upper

164 100

129 103.6 71.7 133.1

131 102.9 70.1 130.3

166 117.4 91.3 169.6

Manual Integrations

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