

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111220\
 Data File : VW017178.D
 Acq On : 12 Nov 2020 12:36
 Operator : SY/VA
 Sample : L4693-15
 Misc : 5.64G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E1

Manual Integrations
 APPROVED

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 11/18/2020 10:51:05 AM

Quant Time: Nov 13 04:36:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 13 04:11:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	506384	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	415409	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175711	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123657	19.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.56%
7) Chloroethane-d5	2.90	69	103188	20.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.96%
10) 1,1-Dichloroethene-d2	4.02	63	191928	16.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.28%
20) 2-Butanone-d5	7.09	46	36597	25.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	51.32%
24) Chloroform-d	7.65	84	233601	19.76	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.04%
26) 1,2-Dichloroethane-d4	8.31	65	112944	19.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.88%
29) Benzene-d6	8.28	84	473347	22.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.52%
33) 1,2-Dichloropropane-d6	9.28	67	122536	20.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	83.76%
37) Toluene-d8	10.33	98	436679	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.56%
38) trans-1,3-Dichloropropene-	10.58	79	49785	18.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	75.48%
39) 2-Hexanone-d5	10.93	63	27519	26.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	53.90%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	82139	16.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	64.48%
61) 1,2-Dichlorobenzene-d4	13.86	152	125047	20.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.80%

Target Compounds

					Ovalue
5) Vinyl chloride	2.37	62	6120	0.905 ug/L #	45
12) 1,1-Dichloroethene	4.04	96	50947	8.106 ug/L #	51
13) Acetone	4.15	43	6061	6.346 ug/L	93
14) Carbon disulfide	4.39	76	15233	0.891 ug/L	95
16) Methylene chloride	4.92	84	9909	1.451 ug/L	90
17) Methyl tert-butyl Ether	5.43	73	3473m	0.453 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	53021	7.708 ug/L	98
34) Benzene	8.32	78	652538	29.915 ug/L	100
35) Trichloroethene	9.09	95	3107169	508.509 ug/L	98
44) Toluene	10.39	91	10876	0.453 ug/L	99
47) Tetrachloroethene	10.88	164	17317201m	3141.181 ug/L	

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

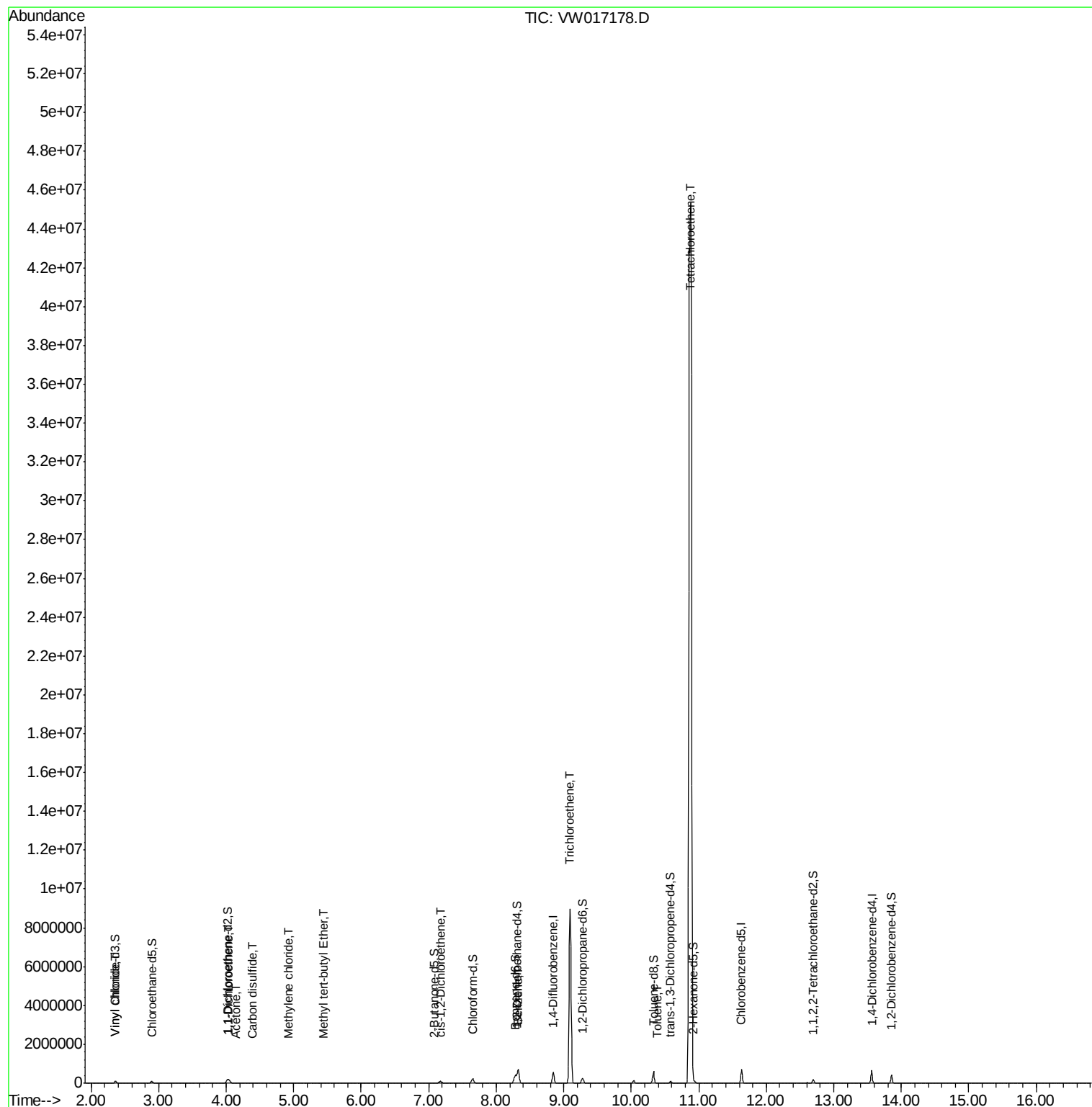
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW111220\
Data File : VW017178.D
Acq On : 12 Nov 2020 12:36
Operator : SY/VA
Sample : L4693-15
Misc : 5.64G/10ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

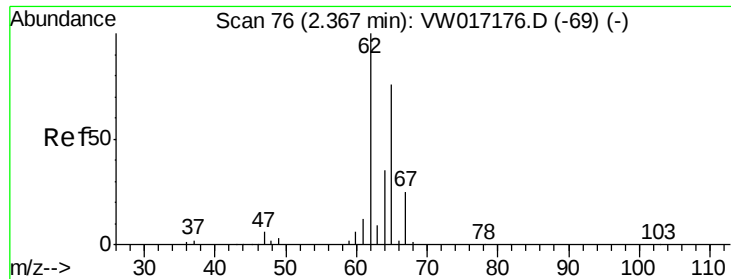
Instrument :
MSVOA_W
ClientSampleId :
BG4E1

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Quant Time: Nov 13 04:36:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 13 04:11:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.905 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampled :

BG4E1

Tot Ion: 62 Resp: 6120

Ion Ratio Lower Upper

62 100

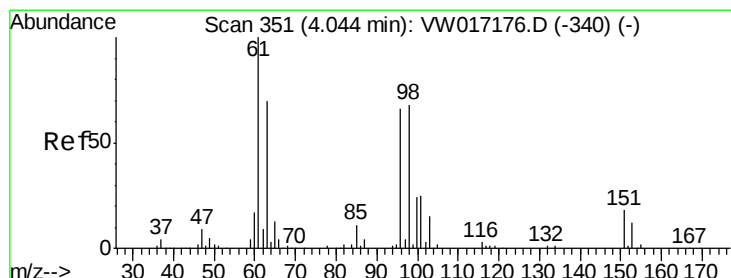
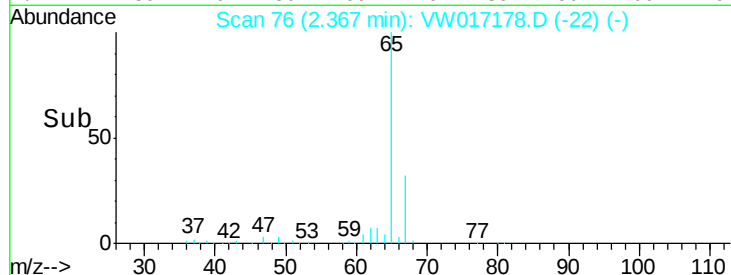
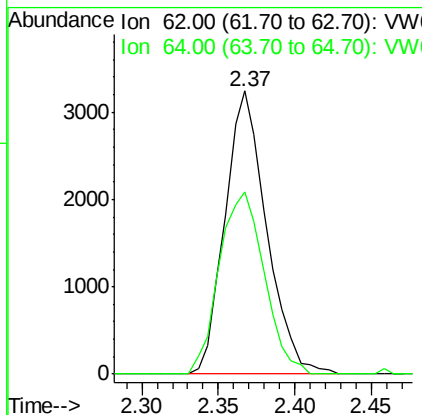
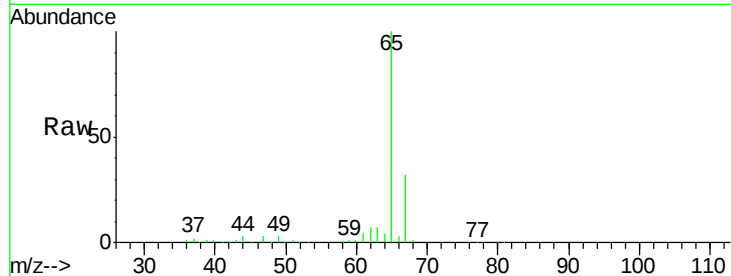
64 64.5 23.3 43.3#

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#12

1,1-Dichloroethene

Concen: 8.106 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

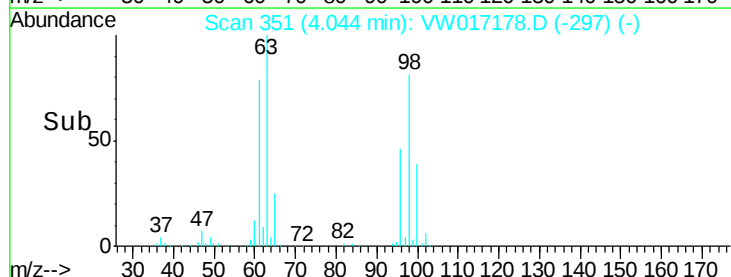
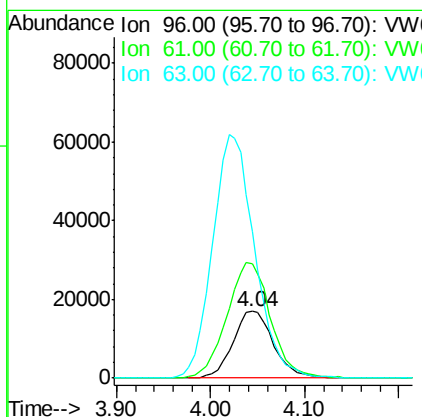
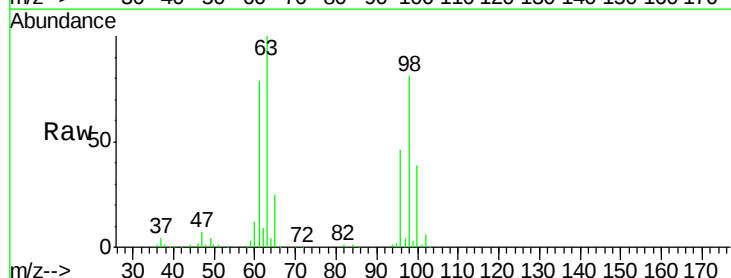
Tgt Ion: 96 Resp: 50947

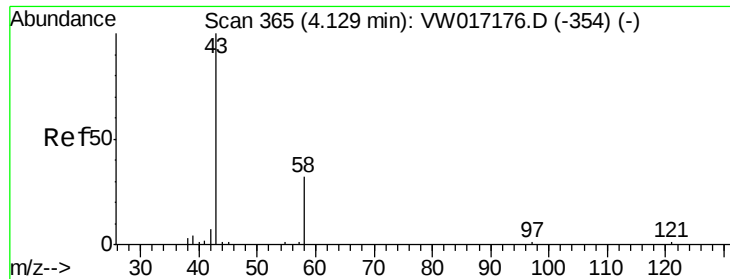
Ion Ratio Lower Upper

96 100

61 171.4 103.8 192.8

63 218.2 84.4 156.7#





#13

Acetone

Concen: 6.346 ug/L

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

ClientSampleId :

BG4E1

Tot Ion: 43 Resp: 6061

Ion Ratio Lower Upper

43 100

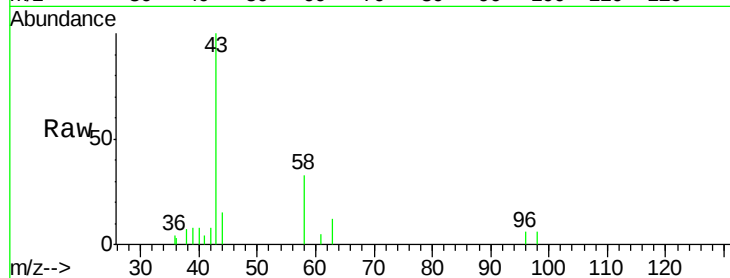
58 30.3 0.0 69.2

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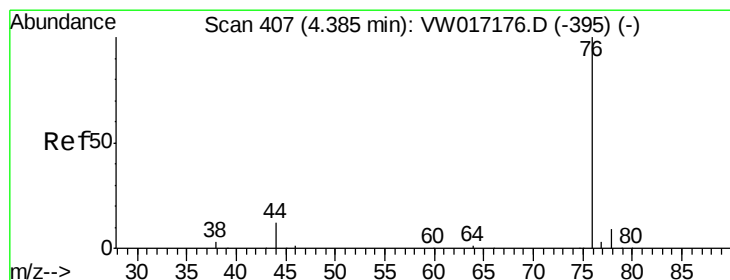
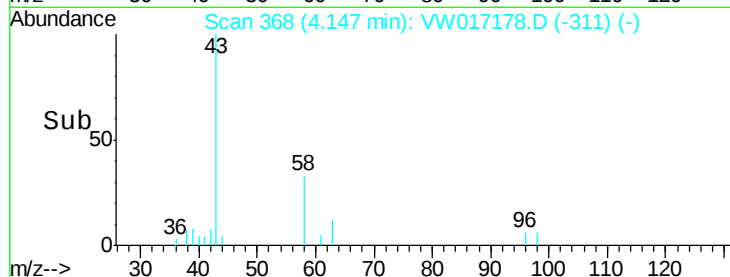
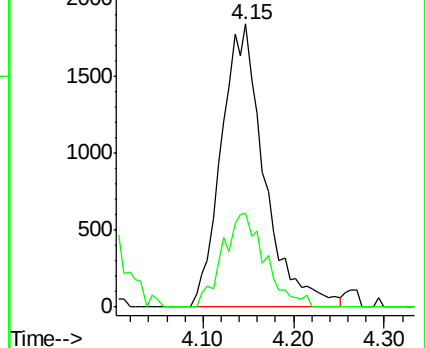
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.891 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017178.D

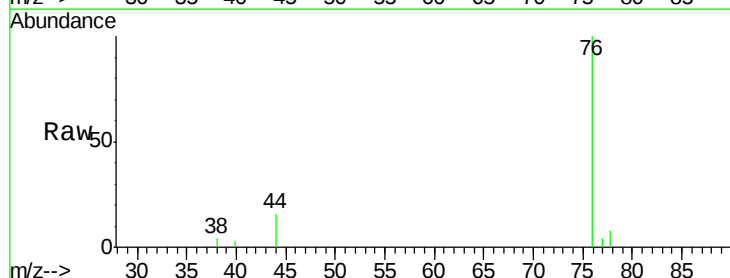
Acq: 12 Nov 2020 12:36

Tgt Ion: 76 Resp: 15233

Ion Ratio Lower Upper

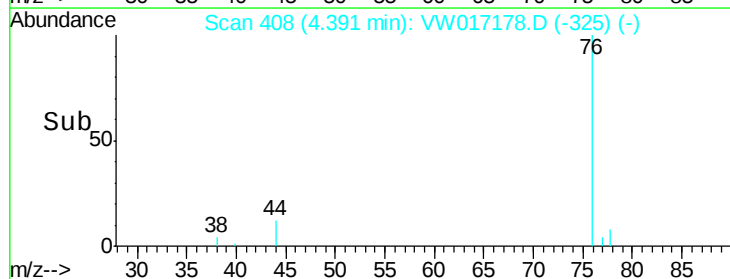
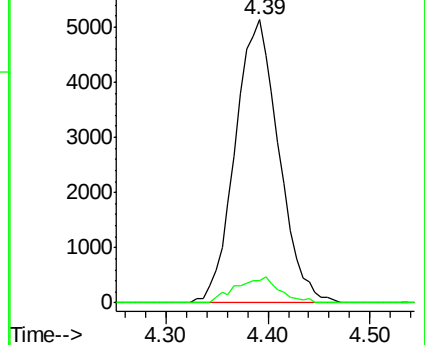
76 100

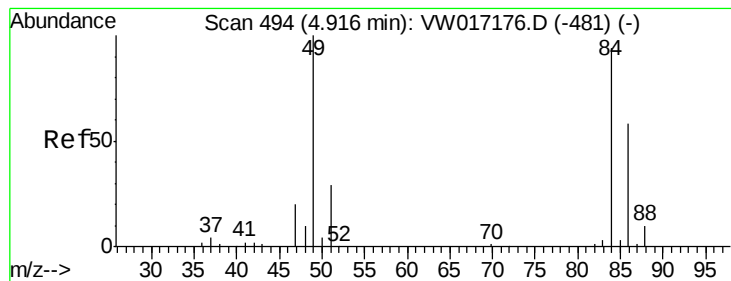
78 7.6 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#16

Methylene chloride

Concen: 1.451 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Instrument :

MSVOA_W

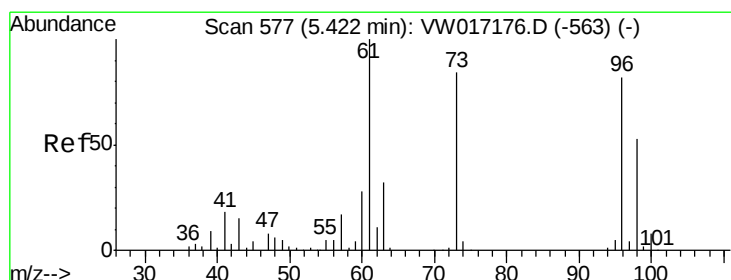
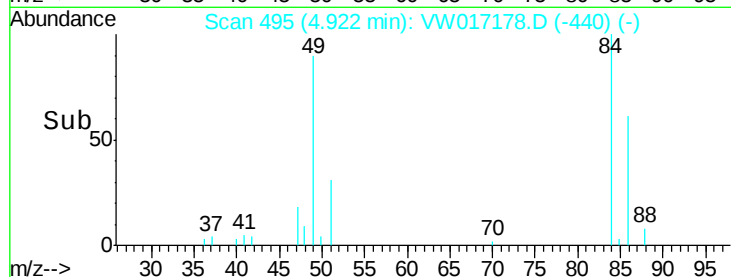
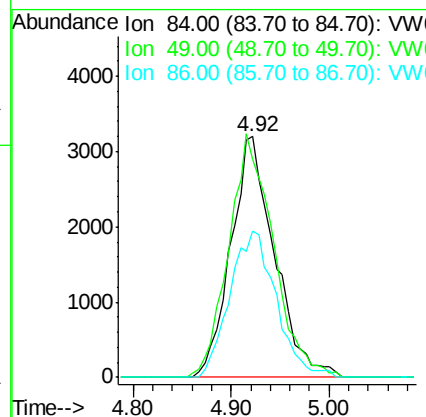
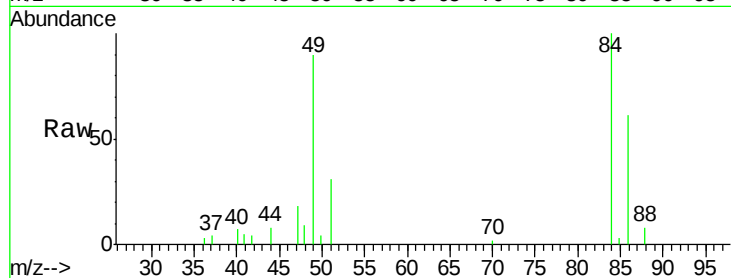
ClientSampleId :

BG4E1

Tot Ion:	84	Resp:	9909
Ion	Ratio	Lower	Upper
84	100		
49	90.4	72.3	134.3
86	60.9	45.1	83.7

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#17

Methyl tert-butyl Ether

Concen: 0.453 ug/L m

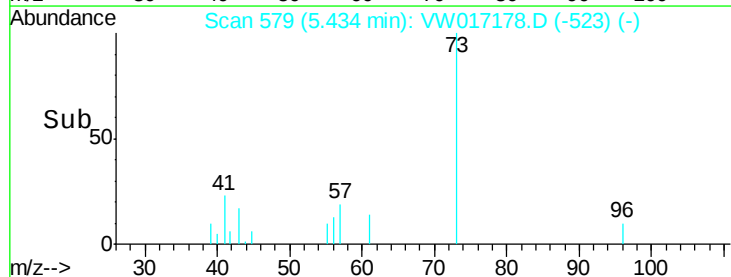
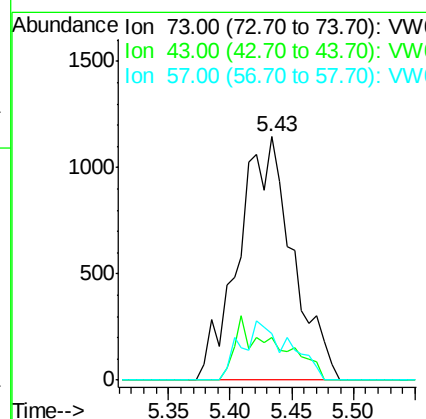
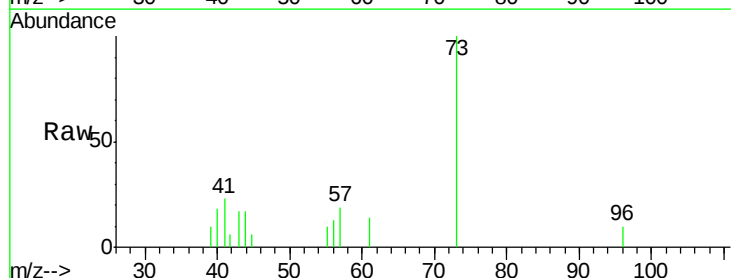
RT: 5.43 min Scan# 579

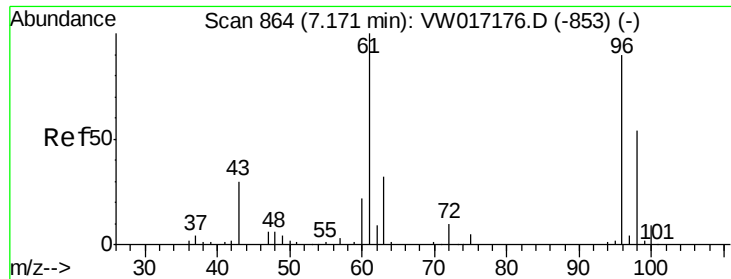
Delta R.T. 0.01 min

Lab File: VW017178.D

Acq: 12 Nov 2020 12:36

Tgt Ion:	73	Resp:	3473
Ion	Ratio	Lower	Upper
73	100		
43	9.0	14.5	21.7#
57	5.2	16.3	24.5#





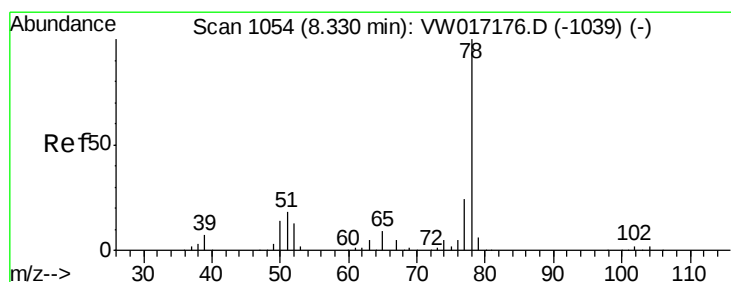
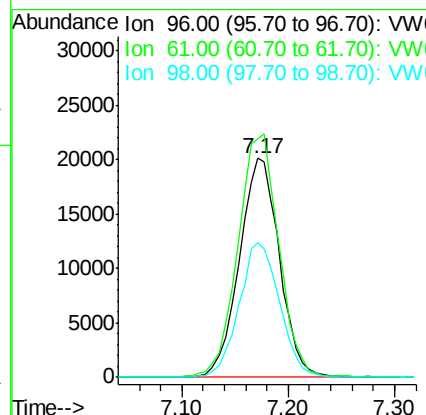
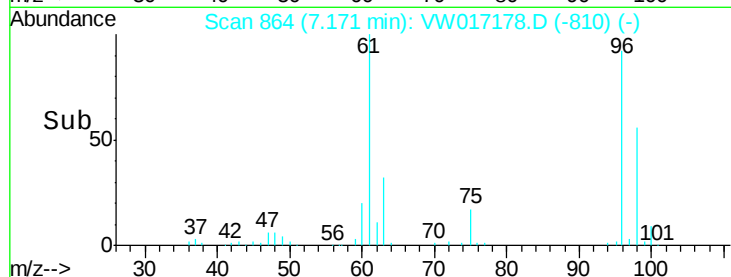
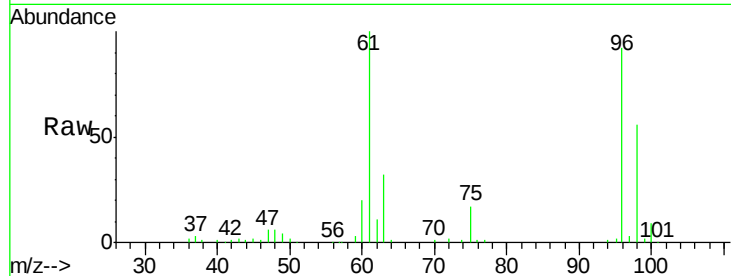
#22
 cis-1,2-Dichloroethene
 Concen: 7.708 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW017178.D
 Acq: 12 Nov 2020 12:36

Instrument :
 MSVOA_W
 ClientSampled :
 BG4E1

Tot Ion: 96 Resp: 53021
 Ion Ratio Lower Upper
 96 100
 61 109.0 77.4 143.8
 98 61.4 45.1 83.7

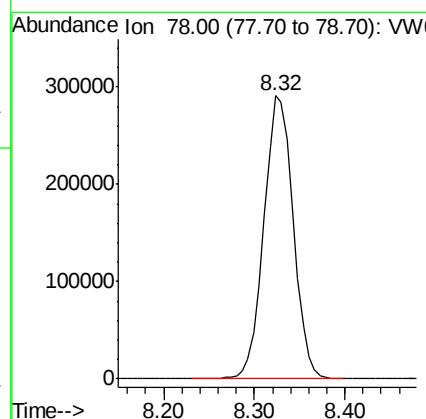
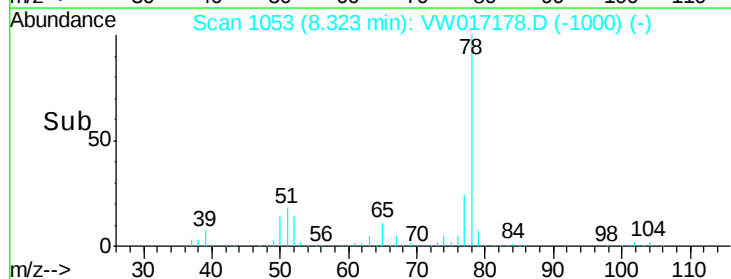
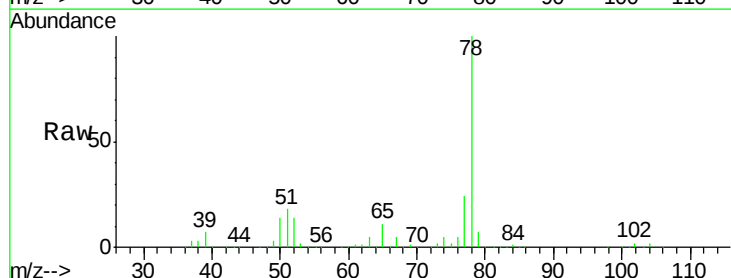
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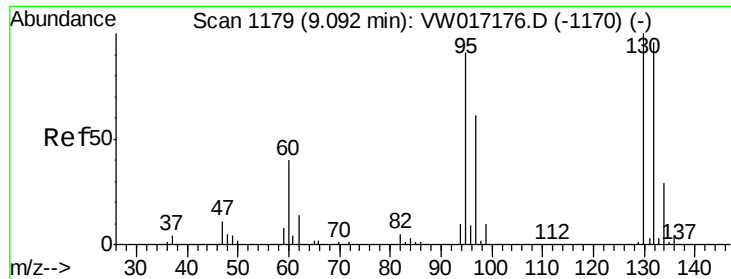
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#34
 Benzene
 Concen: 29.915 ug/L
 RT: 8.32 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VW017178.D
 Acq: 12 Nov 2020 12:36

Tgt Ion: 78 Resp: 652538





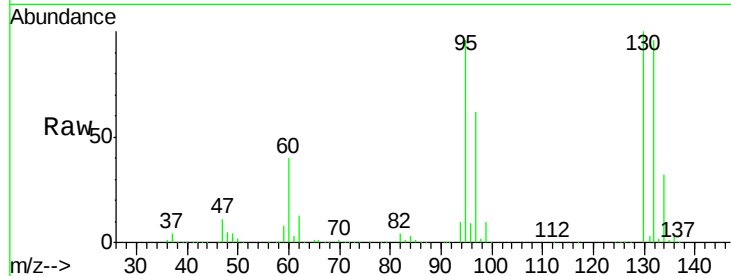
#35
 Trichloroethene
 Concen: 508.509 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW017178.D
 Acq: 12 Nov 2020 12:36

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4E1

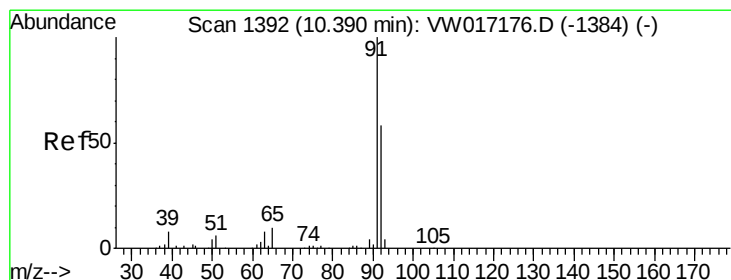
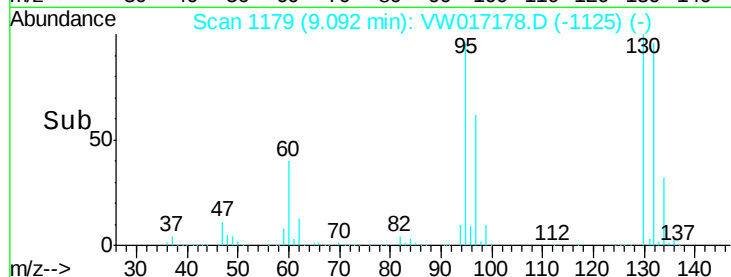
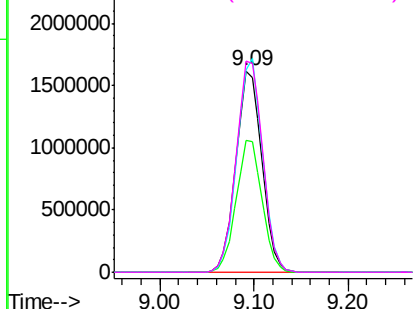
Tot Ion: 95 Resp: 3107169
 Ion Ratio Lower Upper
 95 100
 97 65.5 45.0 83.6
 132 105.0 73.7 136.9
 130 107.1 77.1 143.1

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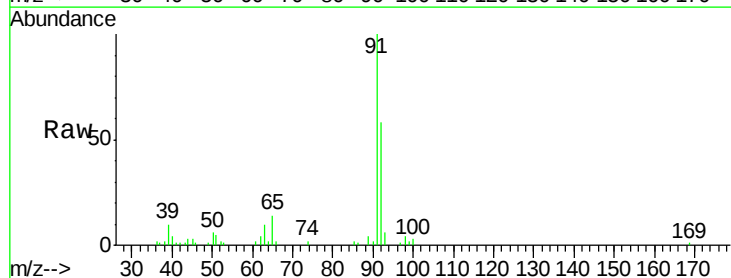


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

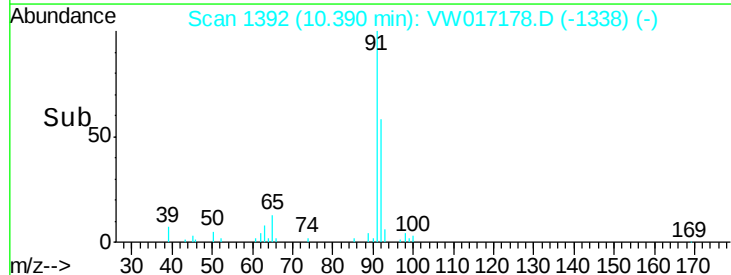
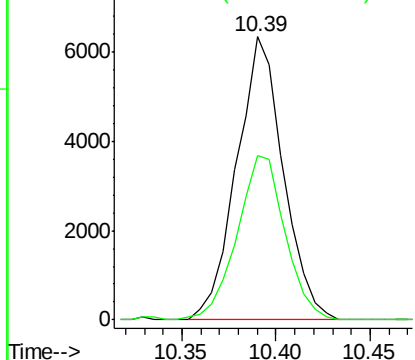


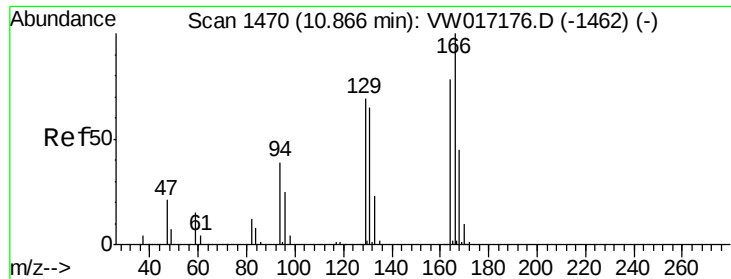
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 Toluene
 Concen: 0.453 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW017178.D
 Acq: 12 Nov 2020 12:36

Tgt Ion: 91 Resp: 10876
 Ion Ratio Lower Upper
 91 100
 92 58.1 41.4 76.8



Abundance Ion 91.00 (90.70 to 91.70): VW
 Ion 92.00 (91.70 to 92.70): VW





#47
Tetrachloroethene
Concen: 3141.181 ug/L m
RT: 10.88 min Scan# 1472
Delta R.T. 0.01 min
Lab File: VW017178.D
Acq: 12 Nov 2020 12:36

Instrument :
MSVOA_W
ClientSampleId :
BG4E1

Tot Ion:164 Resp:17317201
Ion Ratio Lower Upper
164 100
129 89.6 62.9 116.7
131 86.7 63.3 117.5
166 116.7 92.0 170.8

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