

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110620\
 Data File : VW017108.D
 Acq On : 06 Nov 2020 18:11
 Operator : SY/VA
 Sample : L4659-06
 Misc : 5.64G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG4A8

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 11:55:02 AM

Quant Time: Nov 07 06:14:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Nov 07 04:26:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	520224	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	431821	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	162725	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	152955	23.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.36%
7) Chloroethane-d5	2.90	69	119152	23.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.40%
10) 1,1-Dichloroethene-d2	4.03	63	208722	17.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.24%
20) 2-Butanone-d5	7.09	46	45175	30.83	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	61.66%
24) Chloroform-d	7.65	84	273371	22.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	8.31	65	129344	21.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.68%
29) Benzene-d6	8.28	84	557014	25.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.32%
33) 1,2-Dichloropropane-d6	9.28	67	149093	24.51	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.04%
37) Toluene-d8	10.33	98	519366	25.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.20%
38) trans-1,3-Dichloropropene-	10.59	79	57191	20.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.44%
39) 2-Hexanone-d5	10.93	63	33725	31.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.54%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	98927	18.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.68%
61) 1,2-Dichlorobenzene-d4	13.85	152	141271	24.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.56%

Target Compounds

					Ovalue
5) Vinyl chloride	2.37	62	2161	0.311 ug/L #	1
12) 1,1-Dichloroethene	4.04	96	15568	2.411 ug/L #	1
13) Acetone	4.14	43	10429	10.630 ug/L	93
14) Carbon disulfide	4.39	76	6060	0.345 ug/L	99
16) Methylene chloride	4.92	84	24159	3.445 ug/L	94
22) cis-1,2-Dichloroethene	7.18	96	14886	2.106 ug/L	95
34) Benzene	8.33	78	401275	17.697 ug/L	100
35) Trichloroethene	9.10	95	1739911	273.926 ug/L	99
44) Toluene	10.39	91	8992	0.360 ug/L	93
47) Tetrachloroethene	10.87	164	19896679m	3471.907 ug/L	

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

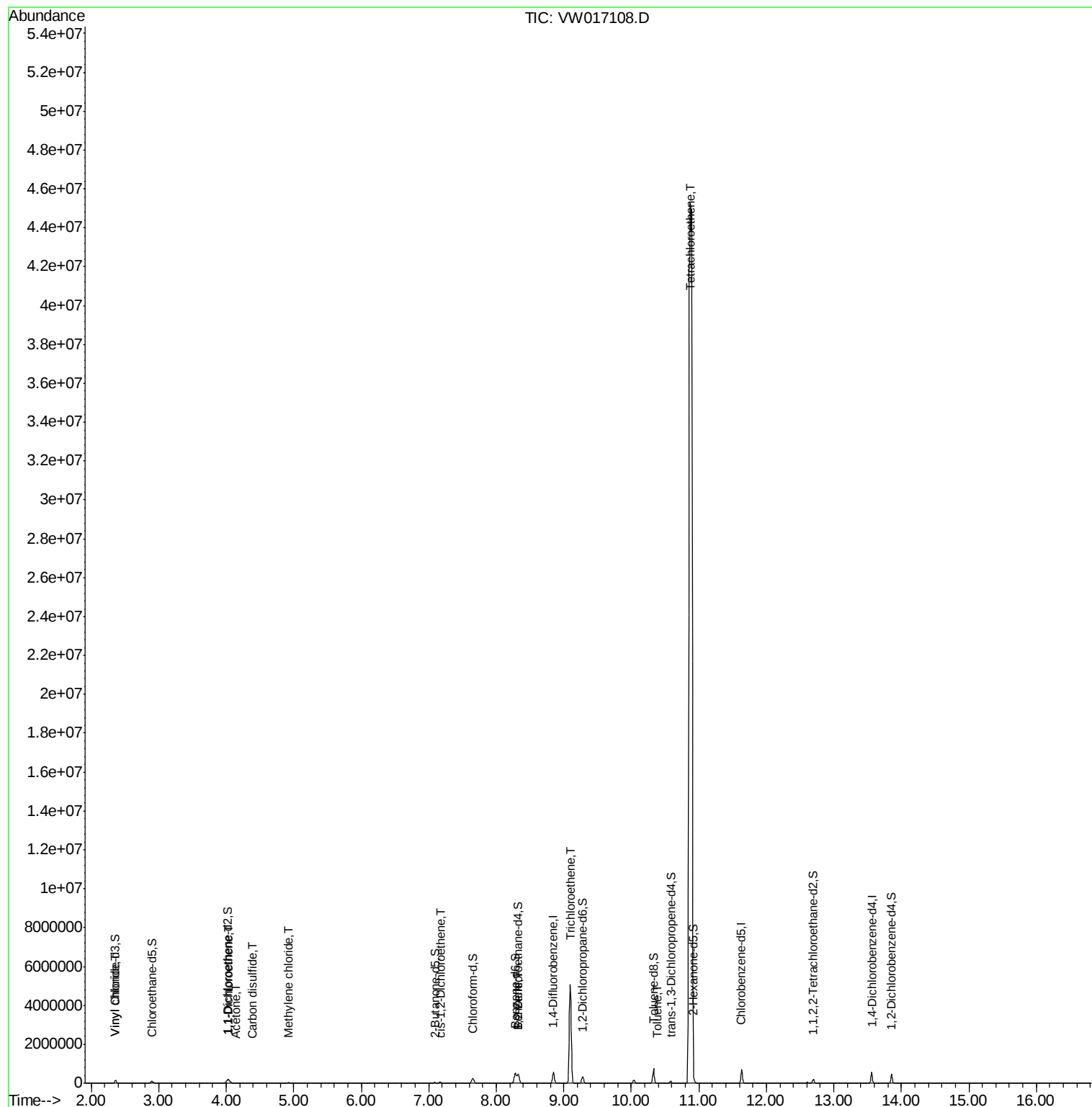
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW110620\
Data File : VW017108.D
Acq On : 06 Nov 2020 18:11
Operator : SY/VA
Sample : L4659-06
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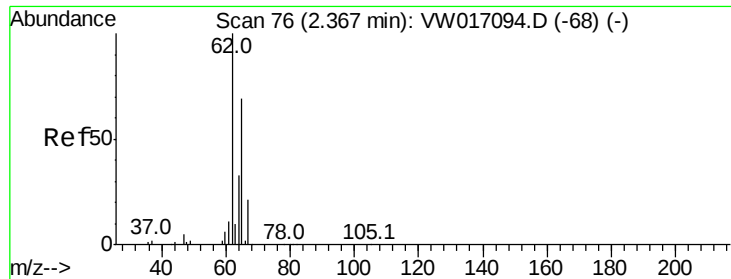
Instrument :
MSVOA_W
ClientSampleId :
BG4A8

Manual Integrations
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11/9/2020 11:55:02 AM

Quant Time: Nov 07 06:14:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110420S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 07 04:26:24 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.311 ug/L

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

ClientSampled :

BG4A8

Tot Ion: 62 Resp: 2161

Ion Ratio Lower Upper

62 100

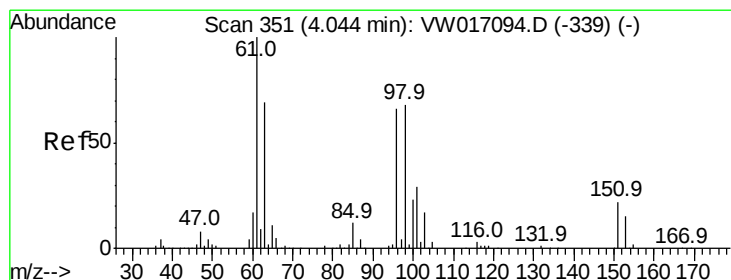
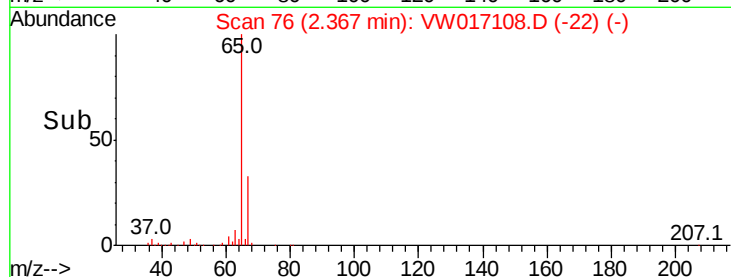
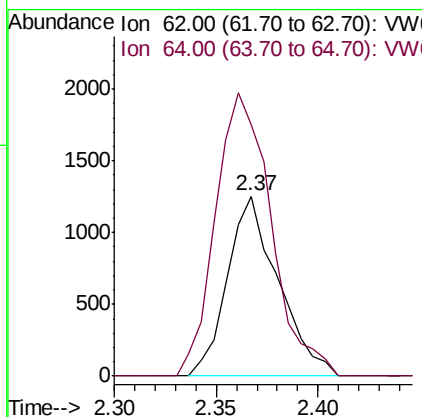
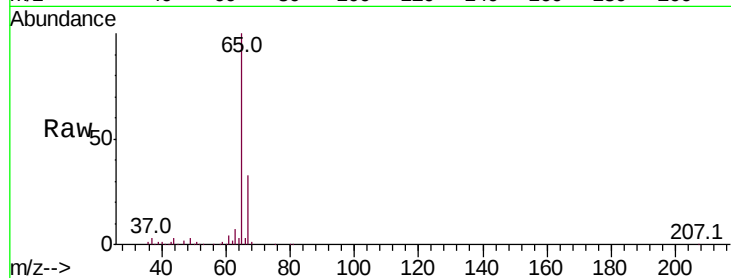
64 139.5 23.3 43.3#

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 2.411 ug/L

RT: 4.04 min Scan# 351

Delta R.T. -0.00 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

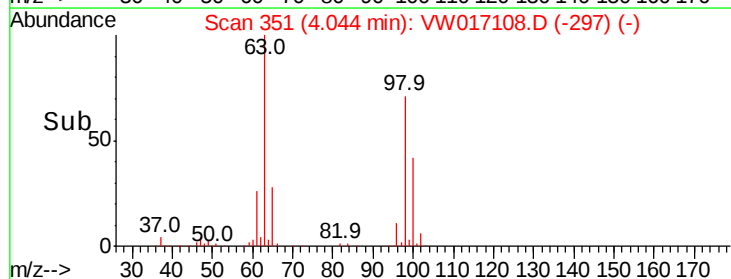
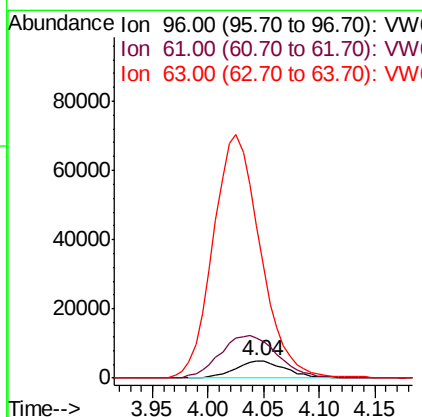
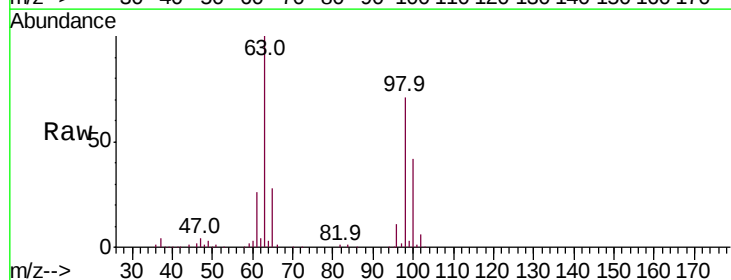
Tgt Ion: 96 Resp: 15568

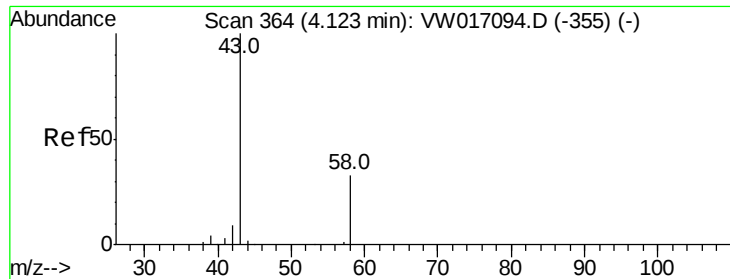
Ion Ratio Lower Upper

96 100

61 233.7 103.8 192.8#

63 898.7 84.4 156.7#





#13

Acetone

Concen: 10.630 ug/L

RT: 4.14 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

ClientSampleId :

BG4A8

Tot Ion: 43 Resp: 10429

Ion Ratio Lower Upper

43 100

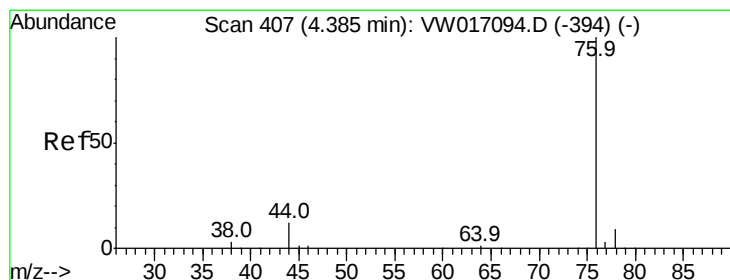
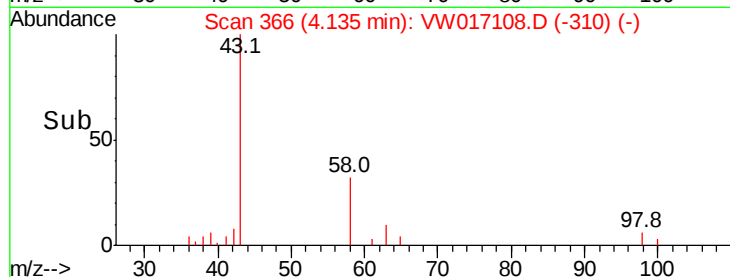
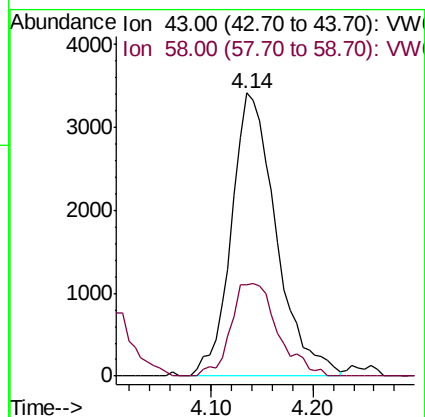
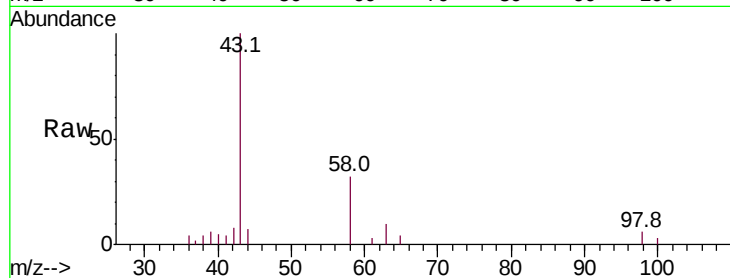
58 30.5 0.0 69.2

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#14

Carbon disulfide

Concen: 0.345 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

Lab File: VW017108.D

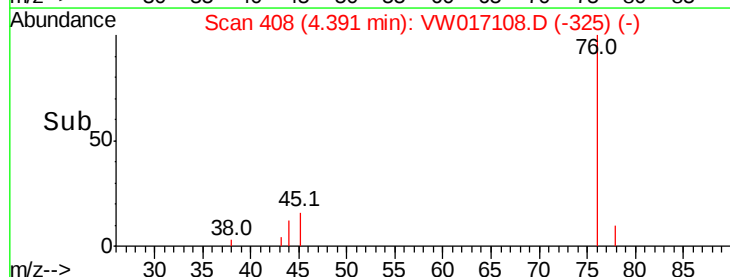
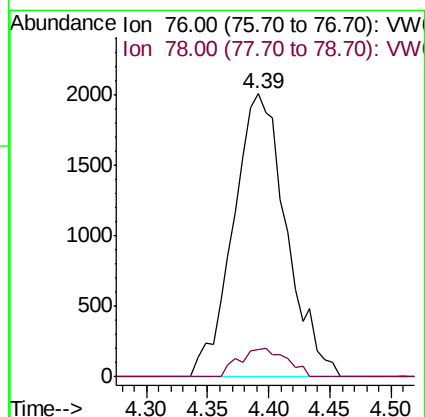
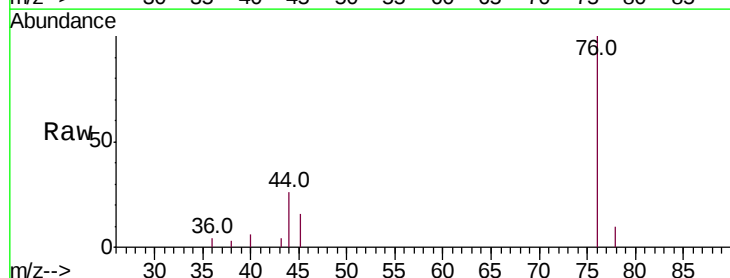
Acq: 06 Nov 2020 18:11

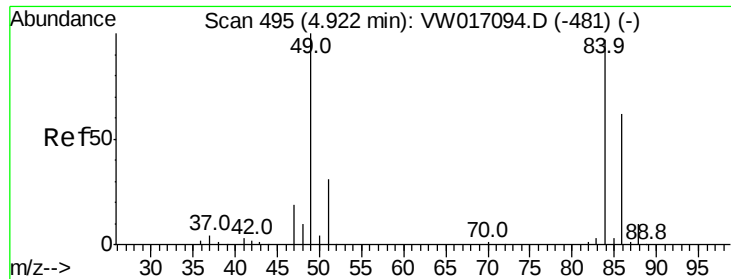
Tgt Ion: 76 Resp: 6060

Ion Ratio Lower Upper

76 100

78 9.9 7.6 11.4





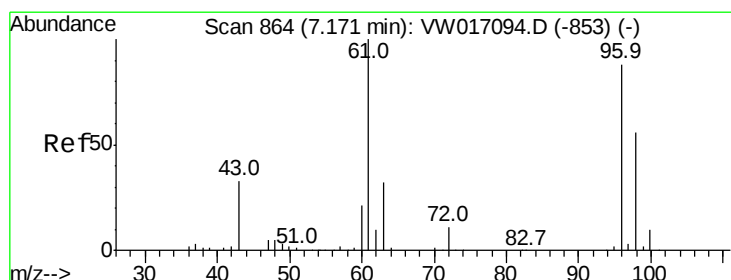
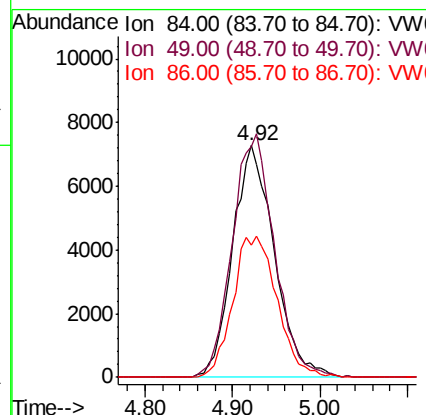
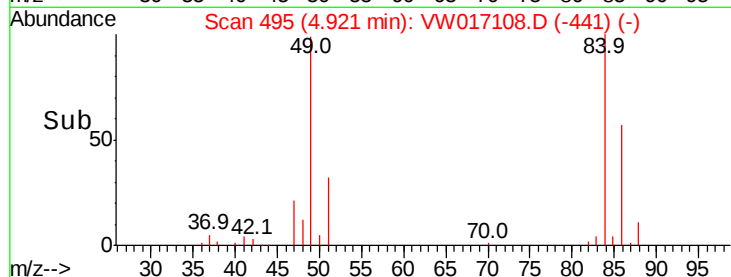
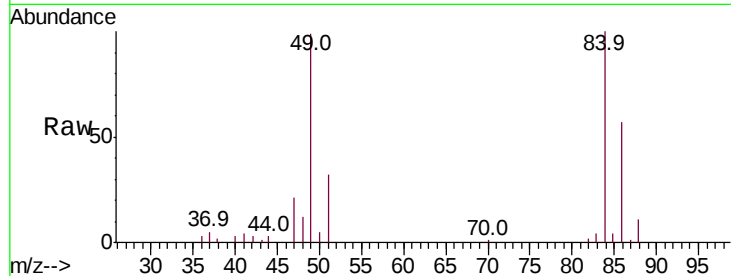
#16
Methylene chloride
Concen: 3.445 ug/L
RT: 4.92 min Scan# 495
Delta R.T. -0.00 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

Instrument :
MSVOA_W
ClientSampled :
BG4A8

Tot Ion	Ratio	Lower	Upper
84	100		
49	99.4	72.3	134.3
86	56.9	45.1	83.7

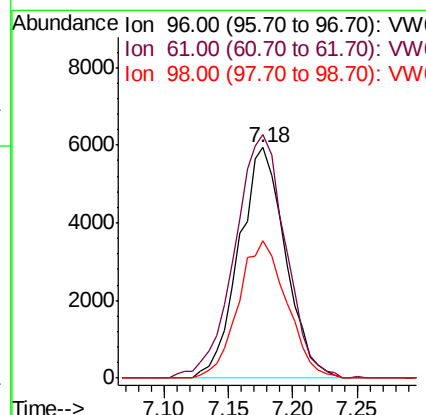
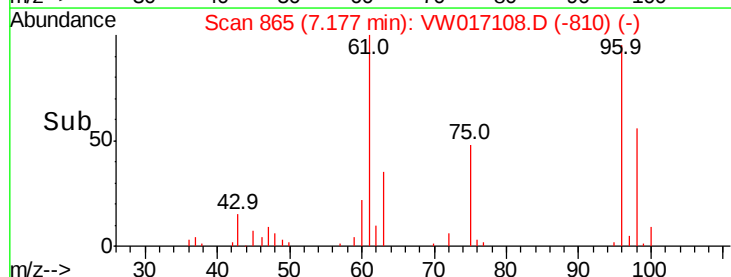
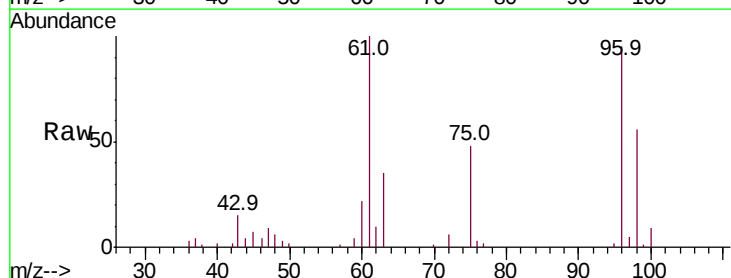
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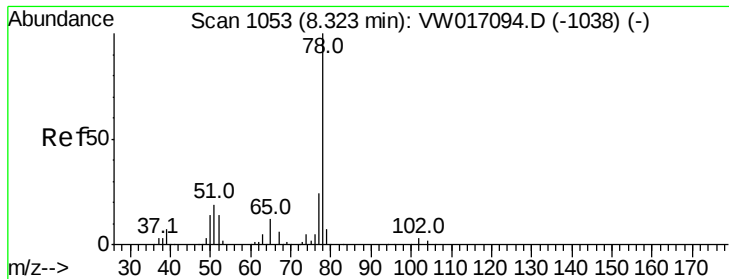
MMDadoda
11/9/2020 11:55:02 AM



#22
cis-1,2-Dichloroethene
Concen: 2.106 ug/L
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW017108.D
Acq: 06 Nov 2020 18:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	105.6	77.4	143.8
98	59.5	45.1	83.7





#34

Benzene

Concen: 17.697 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

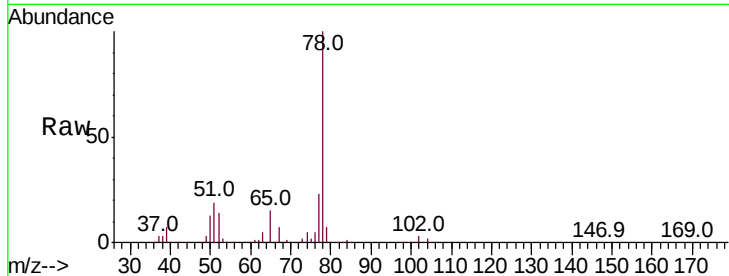
ClientSampleId :

BG4A8

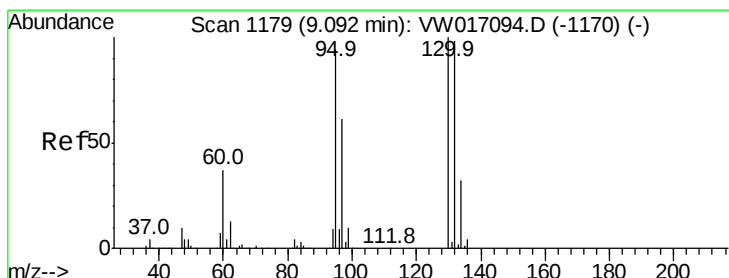
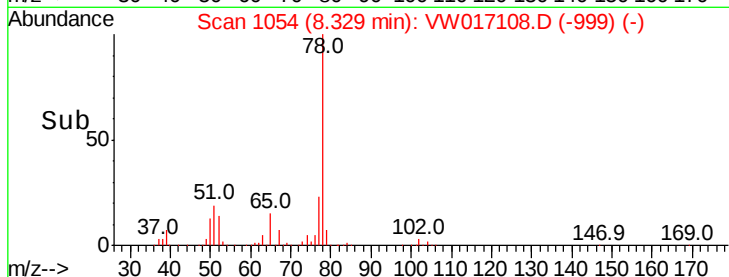
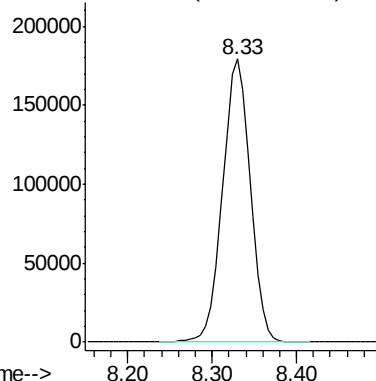
Tgt Ion: 78 Resp: 401275

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Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 273.926 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Tgt Ion: 95 Resp: 1739911

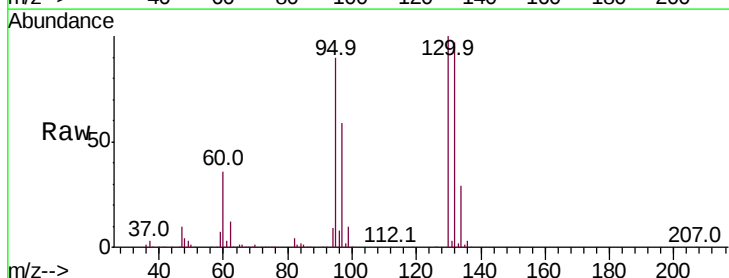
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.0	83.6
132	106.5	73.7	136.9
130	108.3	77.1	143.1

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

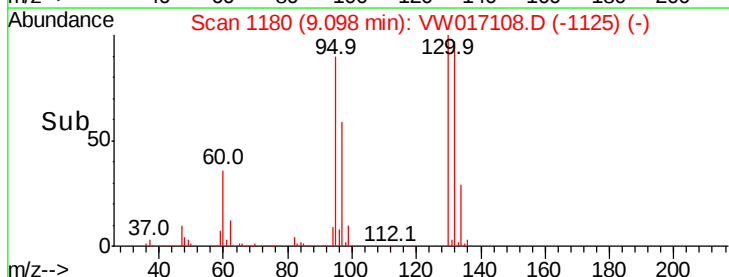


Abundance Ion 95.00 (94.70 to 95.70): VW

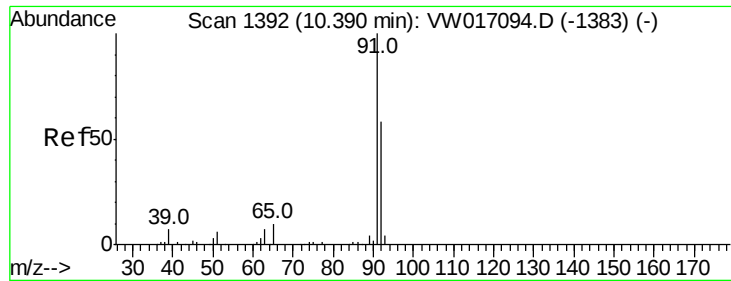
Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#44

Toluene

Concen: 0.360 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Instrument :

MSVOA_W

ClientSampleId :

BG4A8

Tot Ion: 91 Resp: 8992

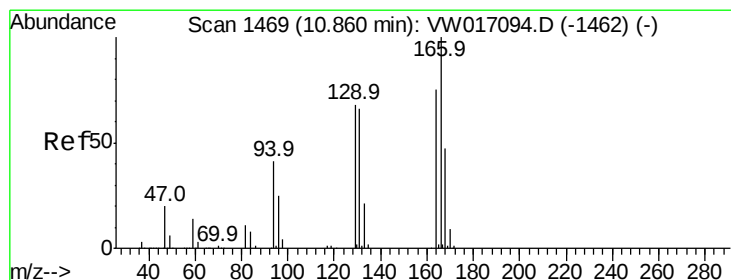
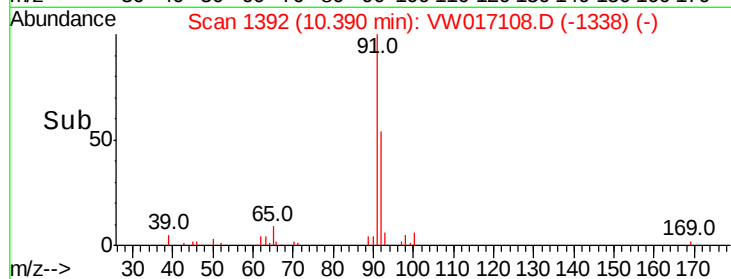
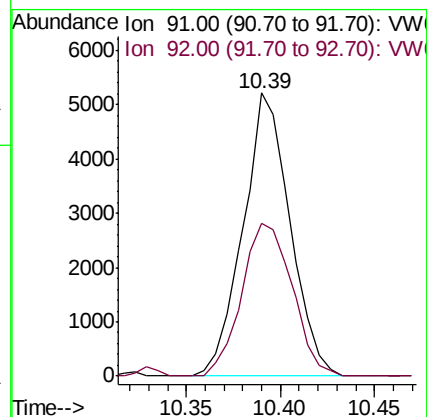
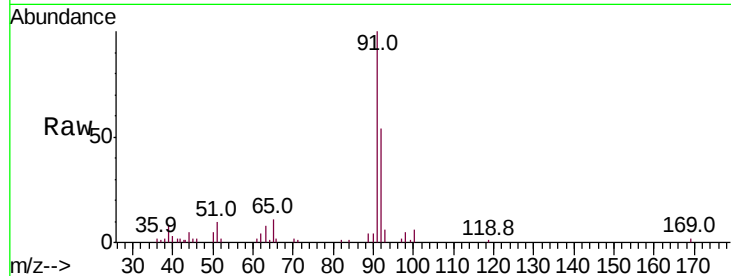
Ion Ratio Lower Upper

91 100

92 53.9 41.4 76.8

Manual Integrations
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11/9/2020 11:55:02 AM



#47

Tetrachloroethene

Concen: 3471.907 ug/L m

RT: 10.87 min Scan# 1471

Delta R.T. 0.01 min

Lab File: VW017108.D

Acq: 06 Nov 2020 18:11

Tgt Ion: 164 Resp: 19896679

Ion Ratio Lower Upper

164 100

129 88.0 62.9 116.7

131 87.2 63.3 117.5

166 114.5 92.0 170.8

