

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061620\
 Data File : VW015608.D
 Acq On : 16 Jun 2020 15:31
 Operator : SY/VA
 Sample : L3027-03
 Misc : 4.11G/10ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BG2K7

Quant Time: Jun 17 07:05:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052620S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 17 06:26:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	348029	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	281727	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	94481	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	95274	29.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	119.48%
7) Chloroethane-d5	2.90	69	77202	24.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.36%
10) 1,1-Dichloroethene-d2	4.01	63	136768	17.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.40%
20) 2-Butanone-d5	7.09	46	30695	29.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	58.96%
24) Chloroform-d	7.65	84	167869	20.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.44%
26) 1,2-Dichloroethane-d4	8.31	65	85374	19.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	76.28%
29) Benzene-d6	8.28	84	332647	24.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.32%
33) 1,2-Dichloropropane-d6	9.28	67	93828	22.35	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.40%
37) Toluene-d8	10.33	98	290105	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.40%
38) trans-1,3-Dichloropropene-	10.58	79	34630	17.83	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.32%
39) 2-Hexanone-d5	10.93	63	23919	32.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.82%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	49867	15.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	63.08%
61) 1,2-Dichlorobenzene-d4	13.85	152	60265	19.03	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	76.12%

Target Compounds

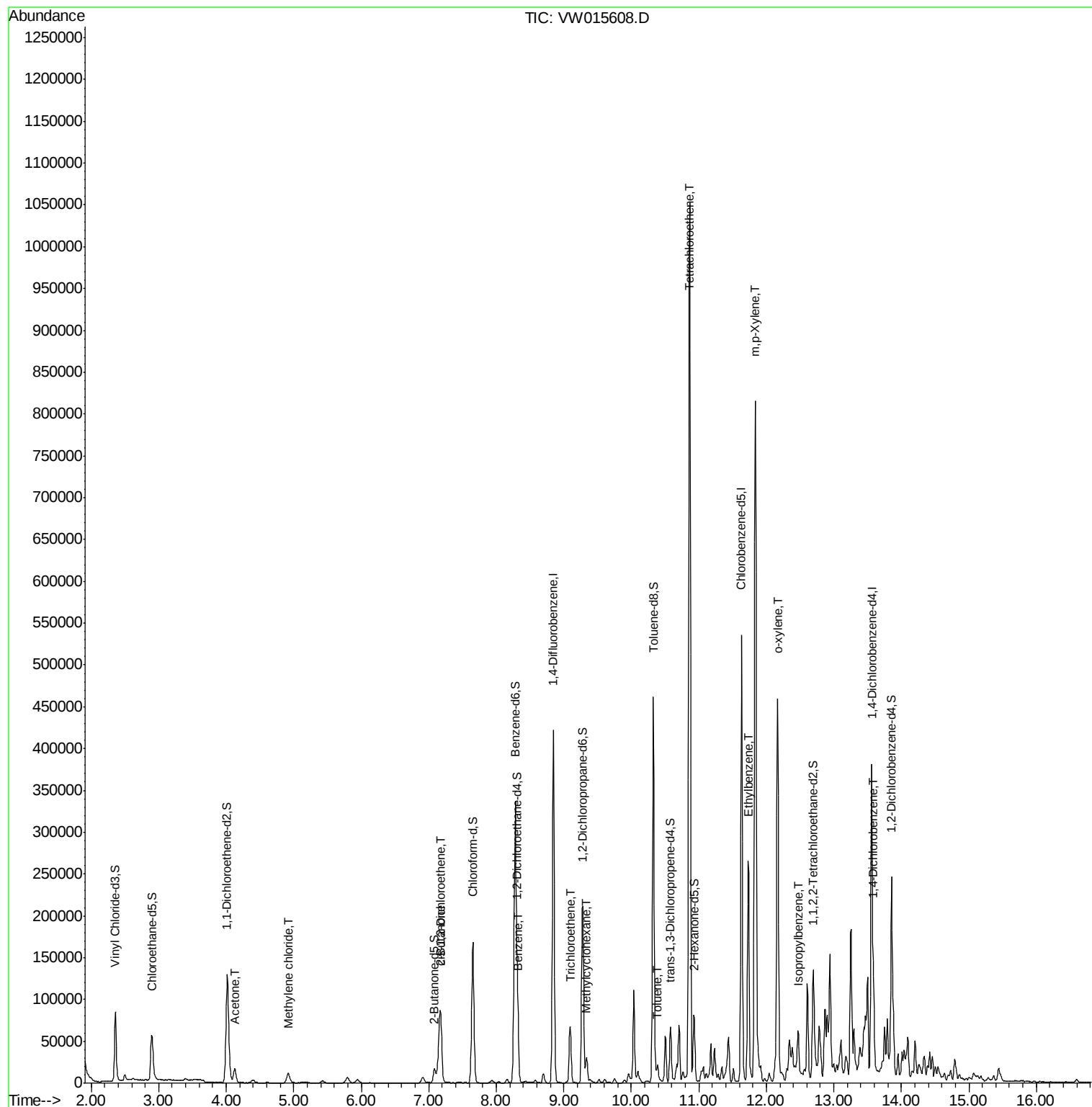
					Ovalue
13) Acetone	4.13	43	28806	35.785	ug/L 97
16) Methylene chloride	4.92	84	8790	2.058	ug/L 91
21) 2-Butanone	7.18	43	15159	12.259	ug/L 100
22) cis-1,2-Dichloroethene	7.18	96	39065	8.420	ug/L 98
34) Benzene	8.33	78	9989	0.634	ug/L 100
35) Trichloroethene	9.09	95	22811	5.390	ug/L 98
36) Methylcyclohexane	9.34	83	10522	1.394	ug/L # 88
44) Toluene	10.39	91	14085	0.821	ug/L 99
47) Tetrachloroethene	10.87	164	230040	68.573	ug/L 99
53) Ethylbenzene	11.73	91	178759	9.070	ug/L 98
54) m,p-Xylene	11.83	106	242348	32.768	ug/L 100
55) o-xylene	12.17	106	118667	16.903	ug/L 99
57) Isopropylbenzene	12.47	105	13442	0.687	ug/L # 70
64) 1,4-Dichlorobenzene	13.58	146	4719	0.833	ug/L 100

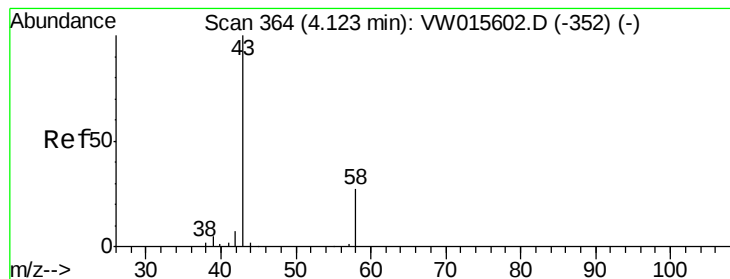
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 35.785 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_W

ClientSampleId :

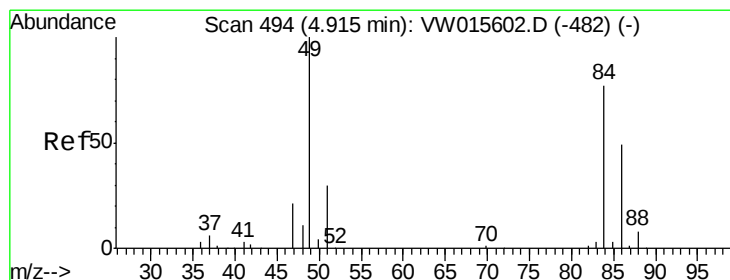
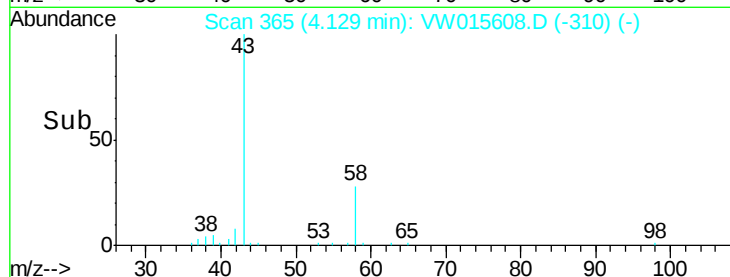
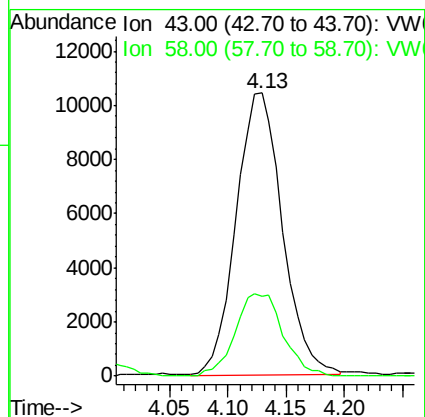
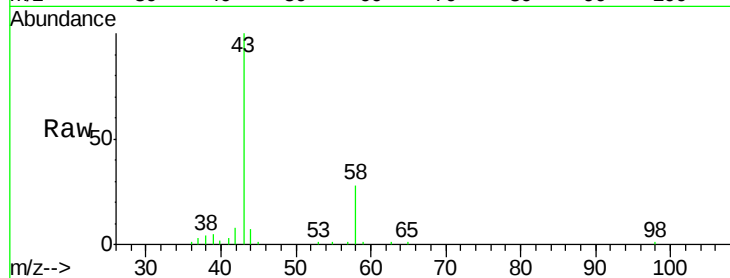
BG2K7

Tot Ion: 43 Resp: 28806

Ion Ratio Lower Upper

43 100

58 30.1 0.0 56.8



#16

Methylene chloride

Concen: 2.058 ug/L

RT: 4.92 min Scan# 494

Delta R.T. -0.00 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

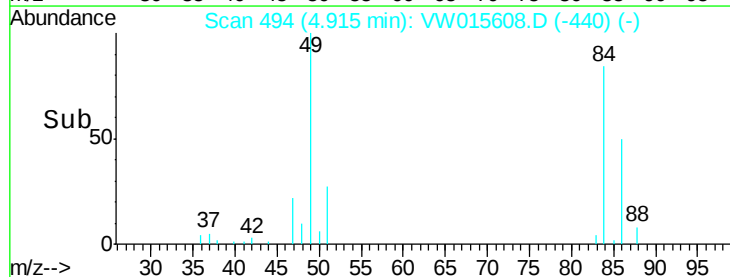
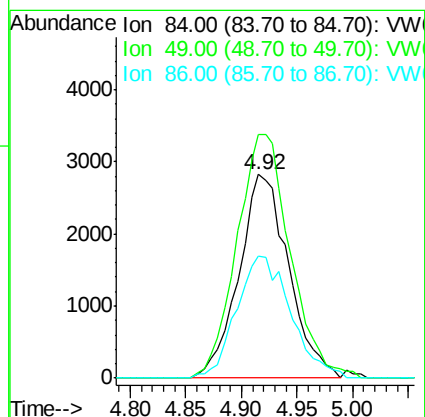
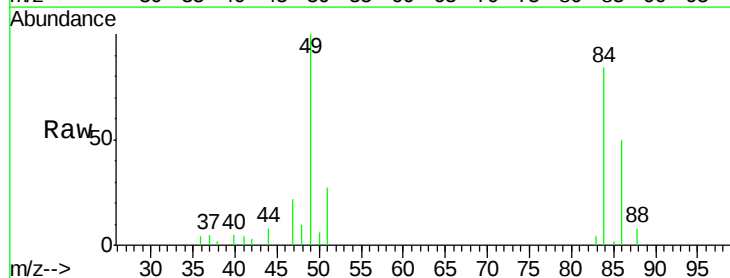
Tgt Ion: 84 Resp: 8790

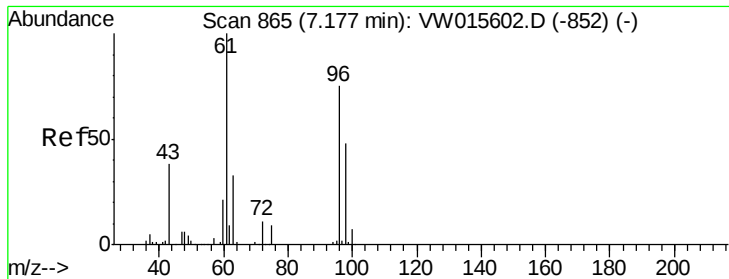
Ion Ratio Lower Upper

84 100

49 119.5 93.0 172.8

86 59.8 44.7 83.1





#21

2-Butanone

Concen: 12.259 ug/L

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_W

ClientSampled :

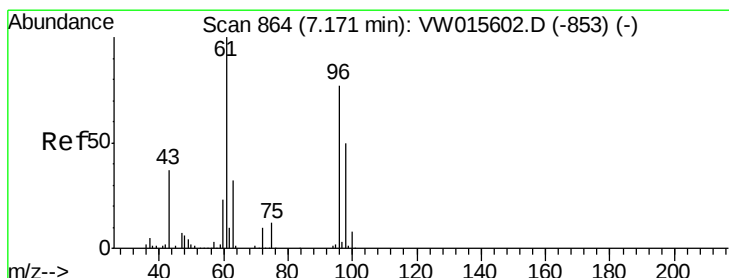
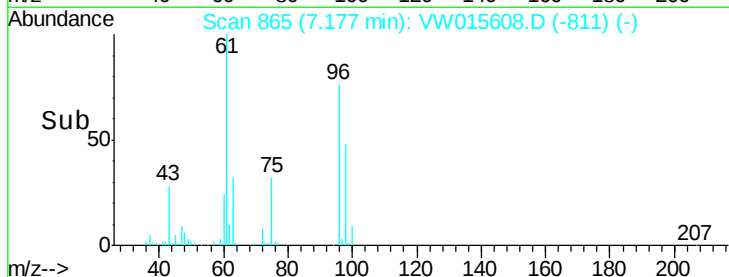
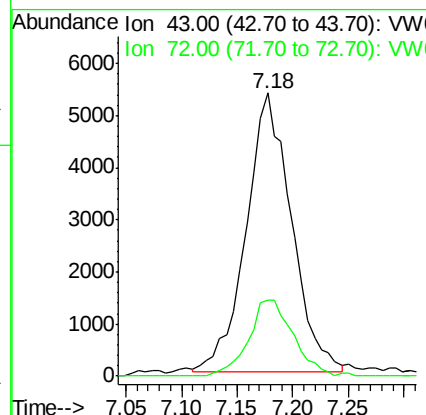
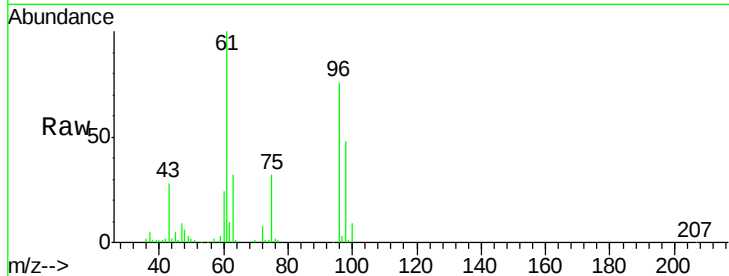
BG2K7

Tot Ion: 43 Resp: 15159

Ion Ratio Lower Upper

43 100

72 26.7 13.3 39.9



#22

cis-1,2-Dichloroethene

Concen: 8.420 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

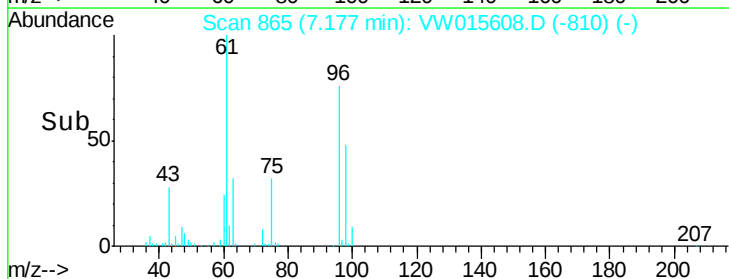
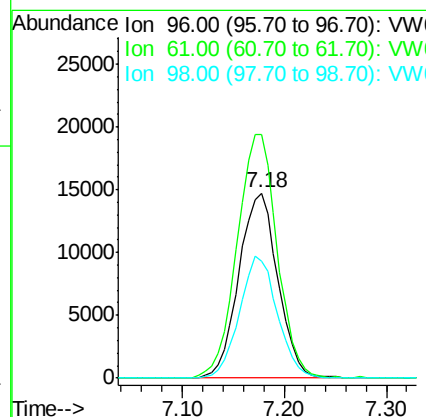
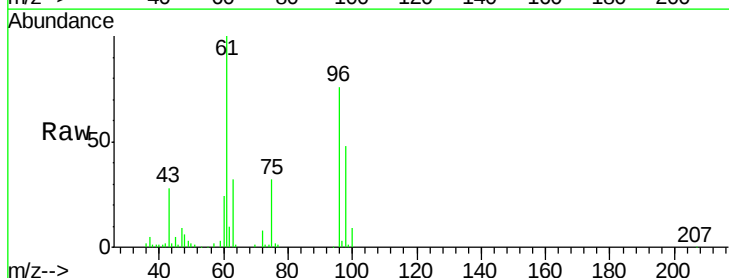
Tgt Ion: 96 Resp: 39065

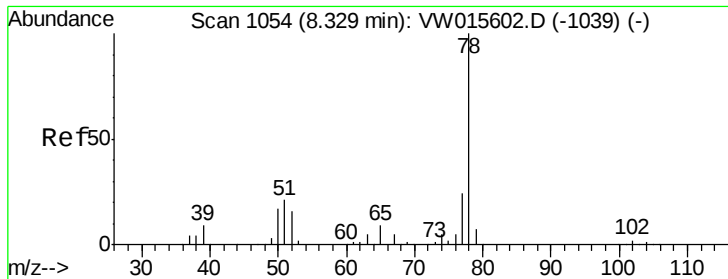
Ion Ratio Lower Upper

96 100

61 131.6 93.7 173.9

98 63.2 45.1 83.9





#34

Benzene

Concen: 0.634 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. -0.00 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

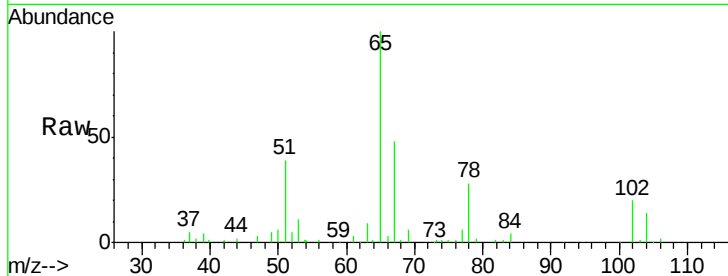
Instrument :

MSVOA_W

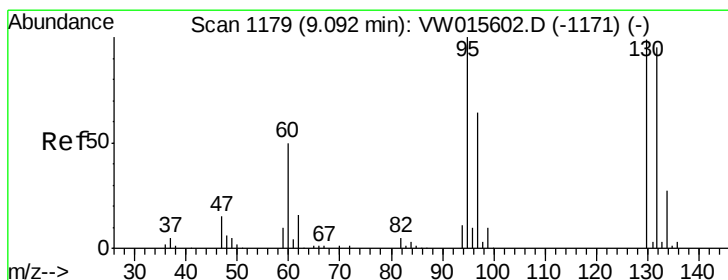
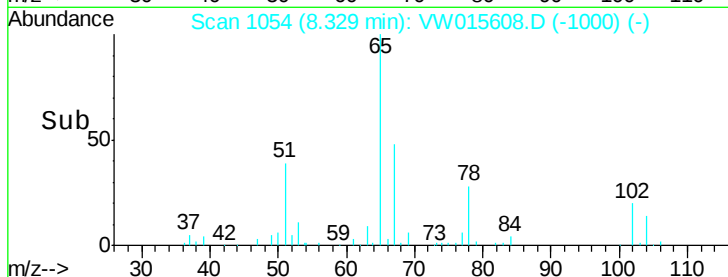
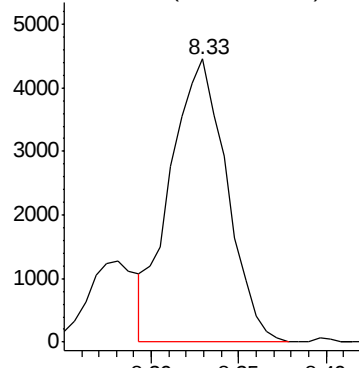
ClientSampleId :

BG2K7

Tgt Ion: 78 Resp: 9989



Abundance Ion 78.00 (77.70 to 78.70): VW



#35

Trichloroethene

Concen: 5.390 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

Tgt Ion: 95 Resp: 22811

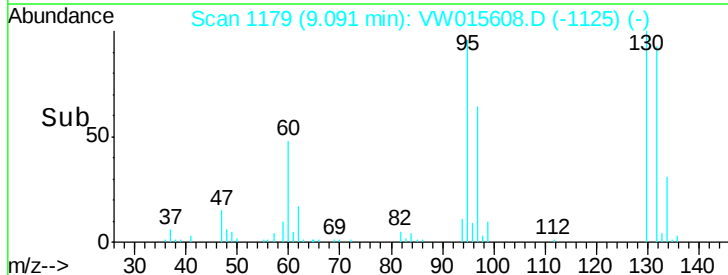
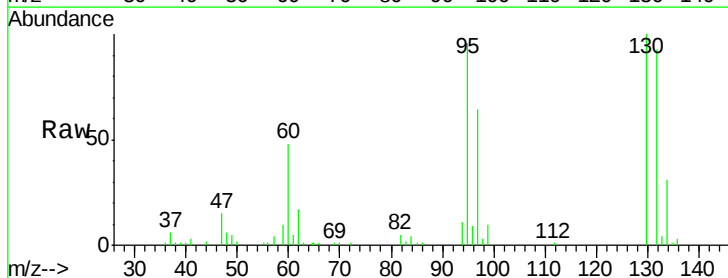
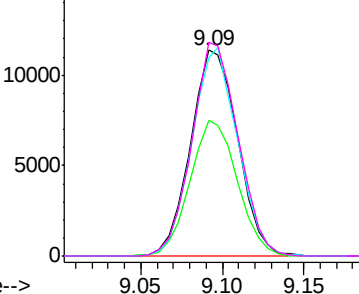
Ion	Ratio	Lower	Upper
95	100		
97	66.0	45.4	84.2
132	97.8	67.1	124.7
130	101.6	69.4	128.8

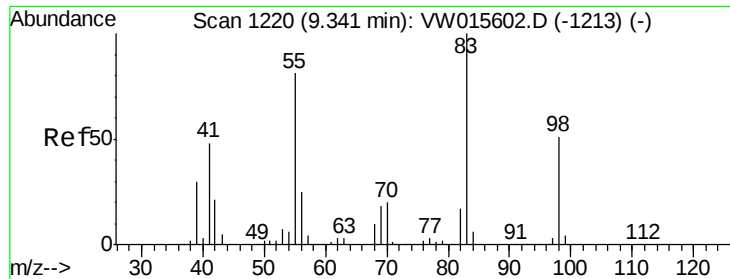
Abundance Ion 95.00 (94.70 to 95.70): VW

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

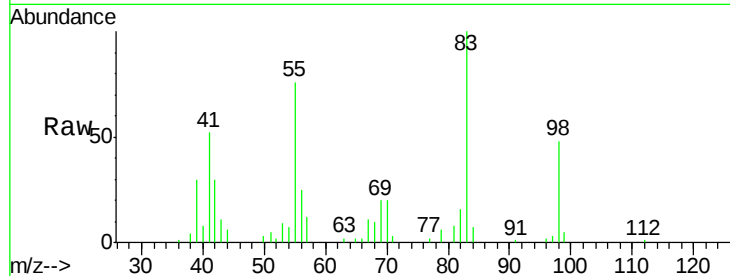




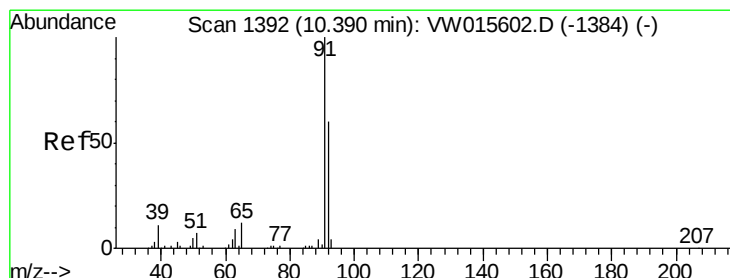
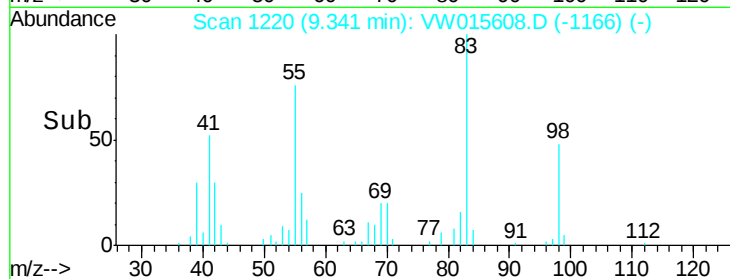
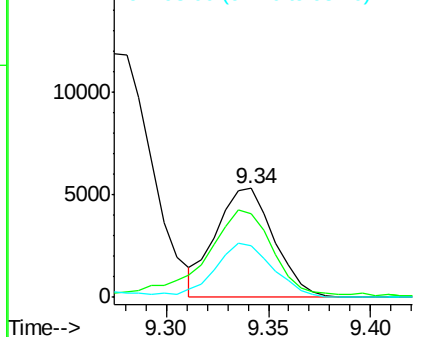
#36
Methvlcvclohexane
Concen: 1.394 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW015608.D
Acq: 16 Jun 2020 15:31

Instrument :
MSVOA_W
ClientSampleId :
BG2K7

Tot Ion: 83 Resp: 10522
Ion Ratio Lower Upper
83 100
55 95.8 62.8 94.2#
98 49.3 39.2 58.8

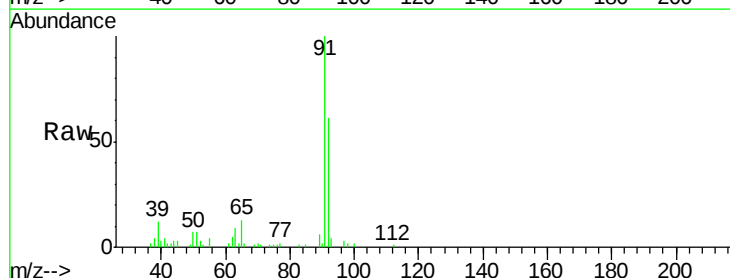


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

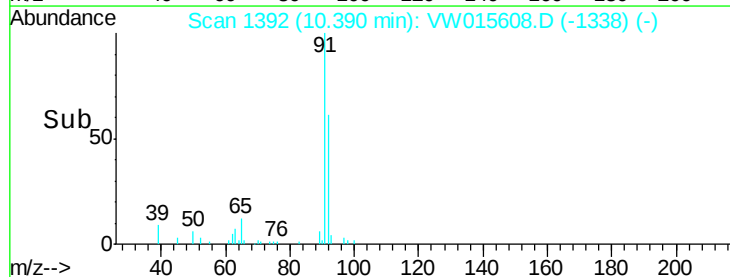
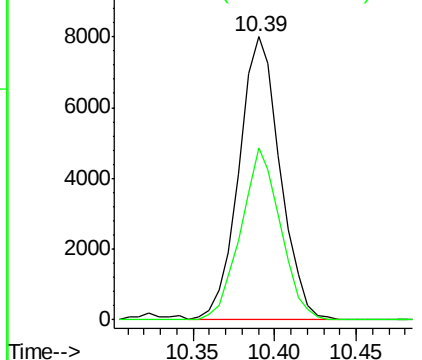


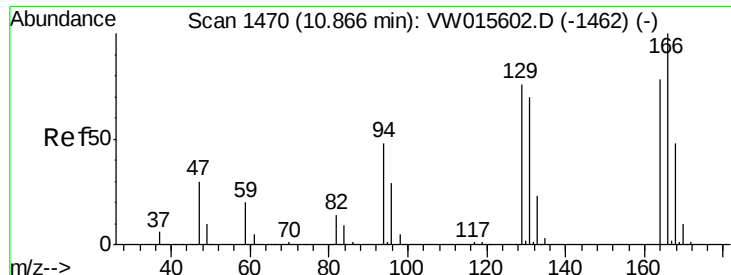
#44
Toluene
Concen: 0.821 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW015608.D
Acq: 16 Jun 2020 15:31

Tgt Ion: 91 Resp: 14085
Ion Ratio Lower Upper
91 100
92 60.6 41.7 77.5



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





#47

Tetrachloroethene

Concen: 68.573 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_W

ClientSampleId :

BG2K7

Tot Ion:164 Resp: 230040

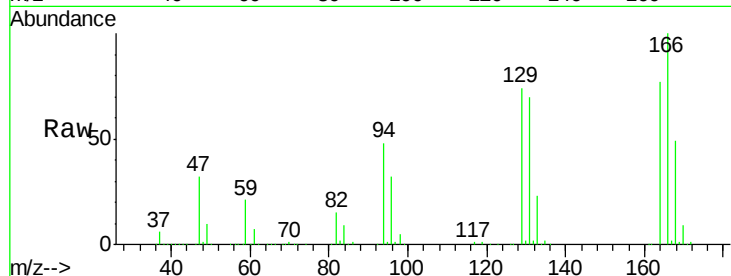
Ion Ratio Lower Upper

164 100

129 96.6 66.3 123.1

131 91.1 65.1 120.9

166 129.7 90.8 168.6

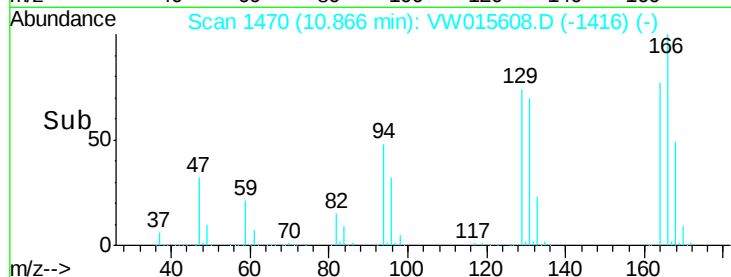


Abundance Ion 164.00 (163.70 to 164.70): V

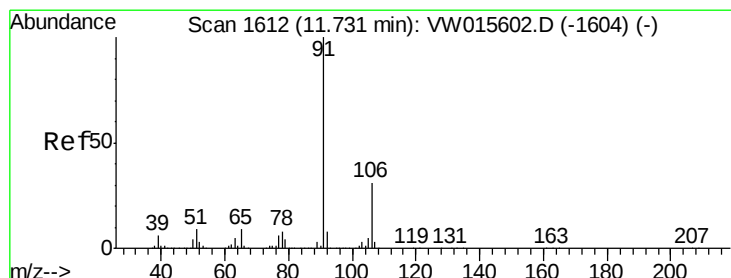
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



Time-->



#53

Ethylbenzene

Concen: 9.070 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015608.D

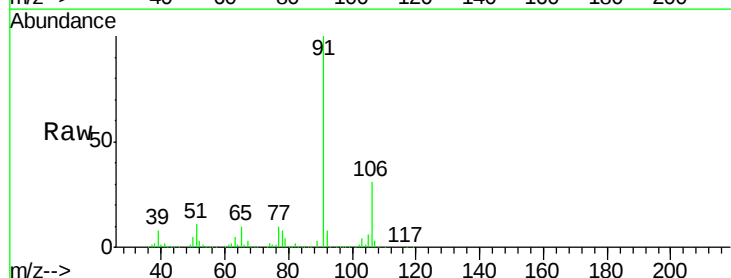
Acq: 16 Jun 2020 15:31

Tgt Ion: 91 Resp: 178759

Ion Ratio Lower Upper

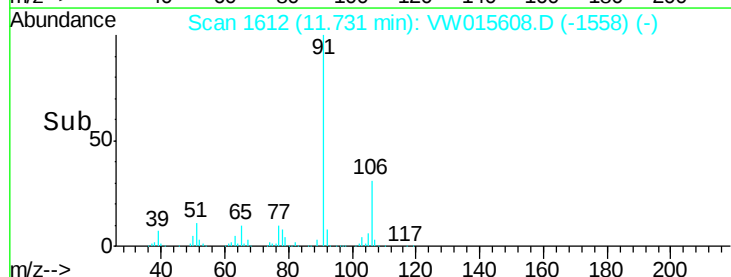
91 100

106 31.4 21.3 39.6

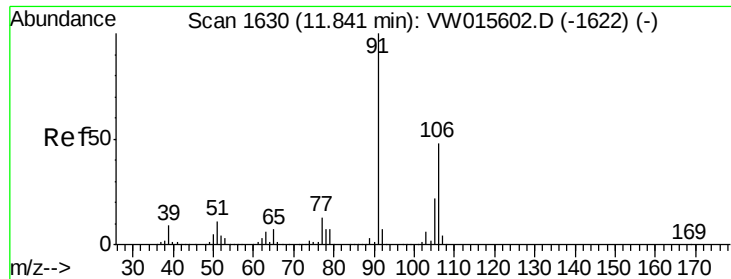


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



Time-->



#54

m,p-Xylene

Concen: 32.768 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_W

ClientSampleId :

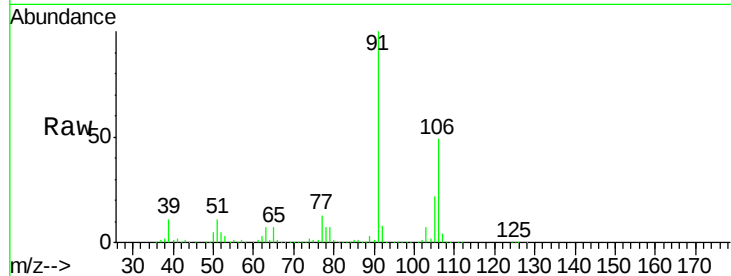
BG2K7

Tot Ion:106 Resp: 242348

Ion Ratio Lower Upper

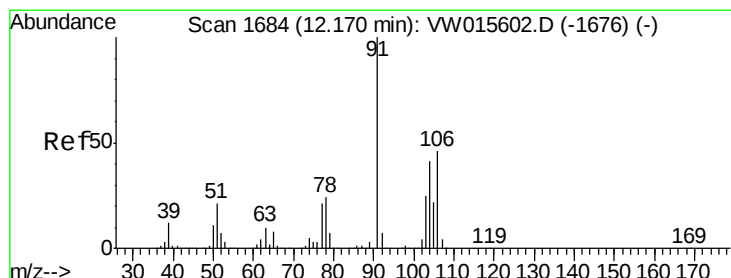
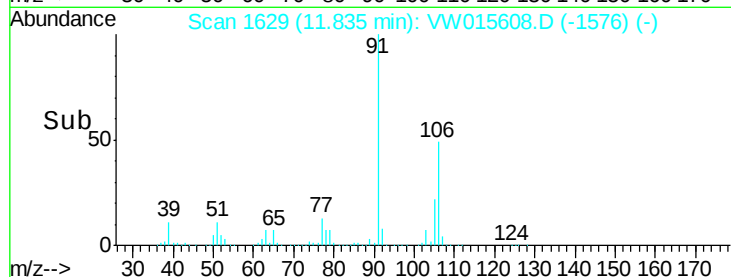
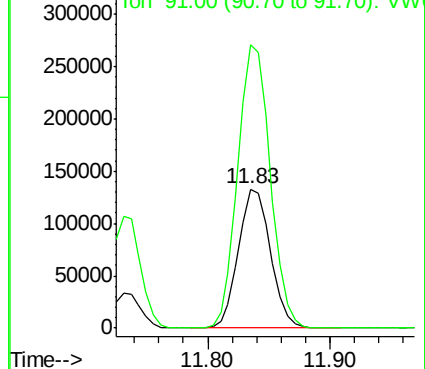
106 100

91 203.5 142.6 264.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#55

o-xylene

Concen: 16.903 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VW015608.D

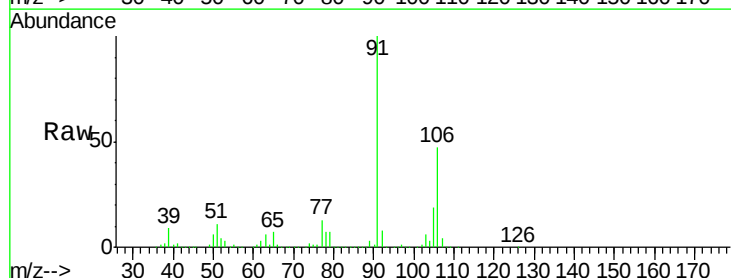
Acq: 16 Jun 2020 15:31

Tgt Ion:106 Resp: 118667

Ion Ratio Lower Upper

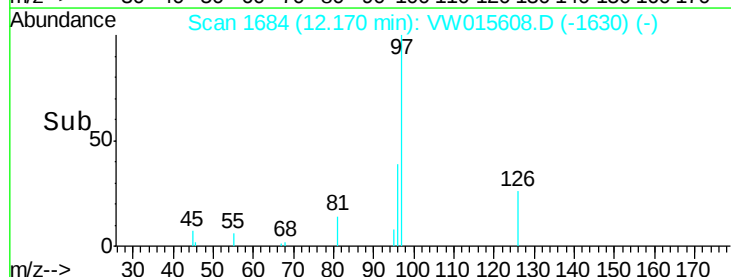
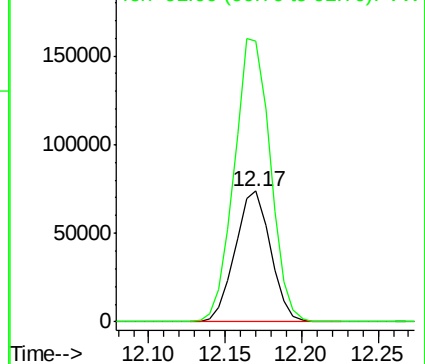
106 100

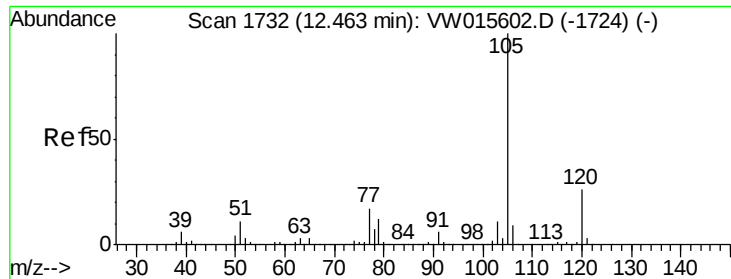
91 215.0 149.0 276.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#57

Isopropylbenzene

Concen: 0.687 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

Instrument :

MSVOA_W

ClientSampled :

BG2K7

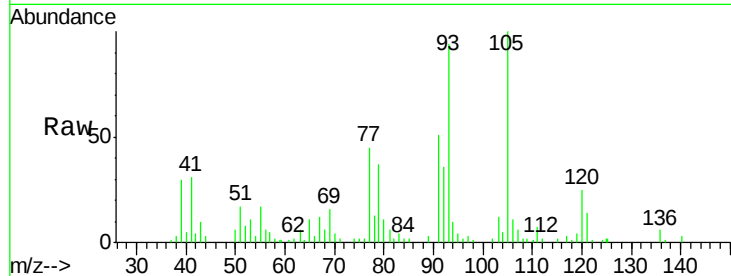
Tot Ion:105 Resp: 13442

Ion Ratio Lower Upper

105 100

120 24.1 21.0 31.4

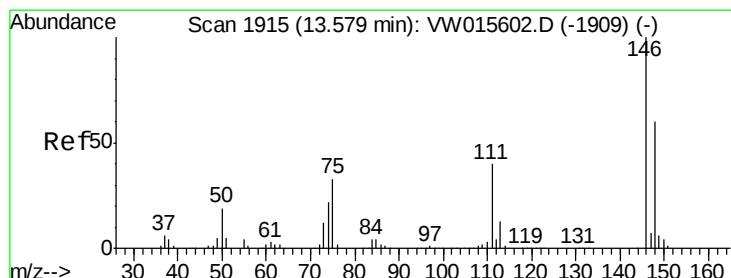
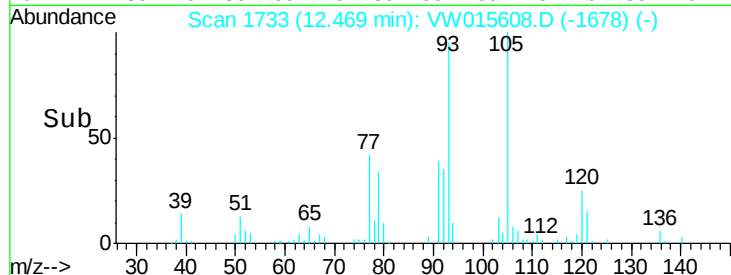
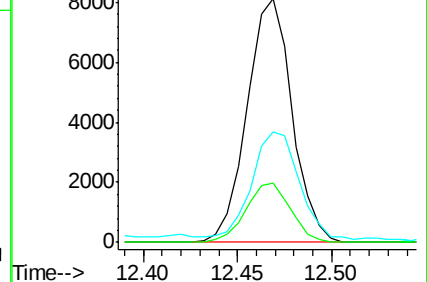
77 47.1 13.0 19.6#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#64

1,4-Dichlorobenzene

Concen: 0.833 ug/L

RT: 13.58 min Scan# 1916

Delta R.T. 0.01 min

Lab File: VW015608.D

Acq: 16 Jun 2020 15:31

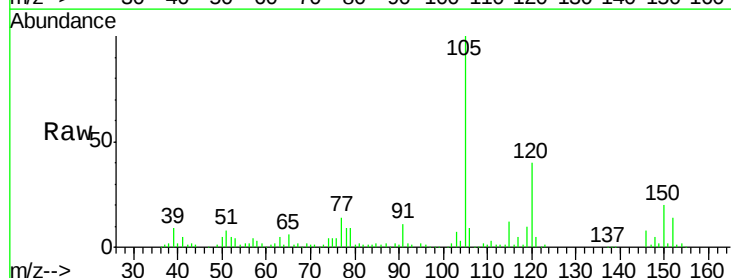
Tgt Ion:146 Resp: 4719

Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.1

148 61.9 43.3 80.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

