

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052819\
 Data File : VV011068.D
 Acq On : 28 May 2019 17:30
 Operator : SY/MD
 Sample : K3016-11MS
 Misc : 5.87G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51C9MS

Quant Time: May 29 13:07:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 29 02:15:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	454824	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	370346	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	114757	25.00	ug/L	0.00

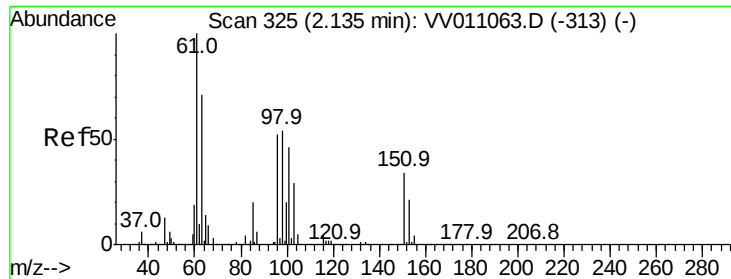
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	149591	23.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.96%
7) Chloroethane-d5	1.56	69	109132	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.08%
10) 1,1-Dichloroethene-d2	2.12	63	290542	25.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	100.20%
20) 2-Butanone-d5	3.94	46	148425	69.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	138.12%#
24) Chloroform-d	4.40	84	274080	24.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	179088	25.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	101.60%
29) Benzene-d6	5.09	84	602291	27.78	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	111.12%
33) 1,2-Dichloropropane-d6	6.12	67	194637	28.21	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	112.84%
37) Toluene-d8	7.36	98	530080	26.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.08%
38) trans-1,3-Dichloropropene-	7.66	79	88793	27.63	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	110.52%
39) 2-Hexanone-d5	8.13	63	118557	78.88	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	157.76%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	161373	27.20	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	105881	23.33	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.32%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.13	96	110626	24.227	ug/L	99
13) Acetone	2.19	43	238656	98.021	ug/L	100
15) Methyl Acetate	2.46	43	38025	10.820	ug/L #	100
21) 2-Butanone	4.03	43	17909	5.973	ug/L	94
34) Benzene	5.14	78	604088	26.974	ug/L	100
35) Trichloroethene	5.96	95	145490	24.874	ug/L	99
44) Toluene	7.43	91	629123	25.837	ug/L	99
52) Chlorobenzene	8.92	112	350829	23.249	ug/L	99

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



#12

1,1-Dichloroethene

Concen: 24.227 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV011068.D

Acq: 28 May 2019 17:30

Instrument :

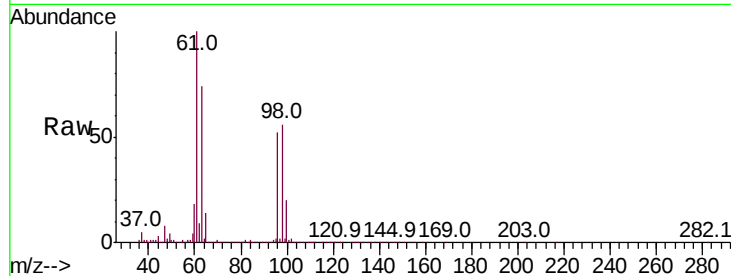
MSVOA_V

ClientSampleId :

A51C9MS

Tot Ion: 96 Resp: 110626

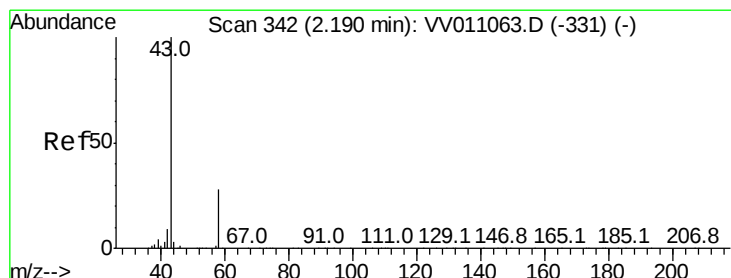
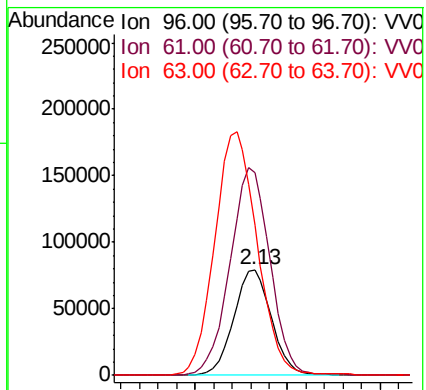
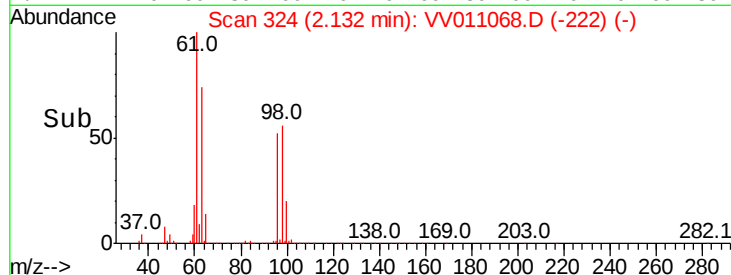
Ion	Ratio	Lower	Upper
96	100		
61	191.9	134.1	249.1
63	142.0	98.1	182.3



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 98.021 ug/L

RT: 2.19 min Scan# 342

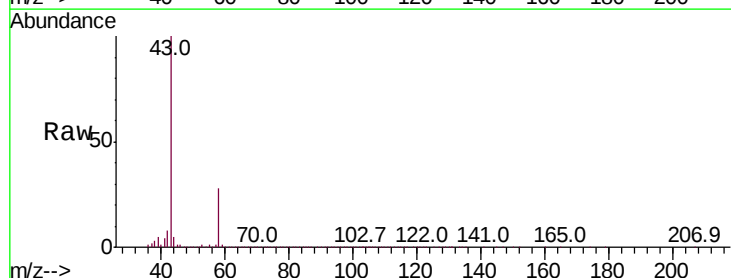
Delta R.T. -0.00 min

Lab File: VV011068.D

Acq: 28 May 2019 17:30

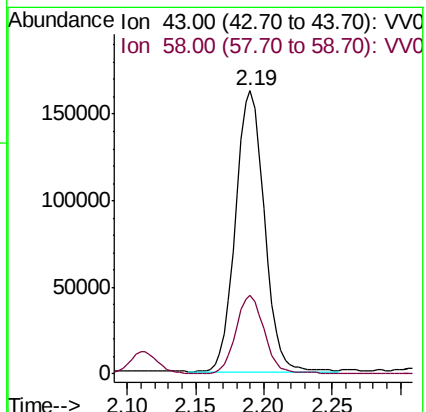
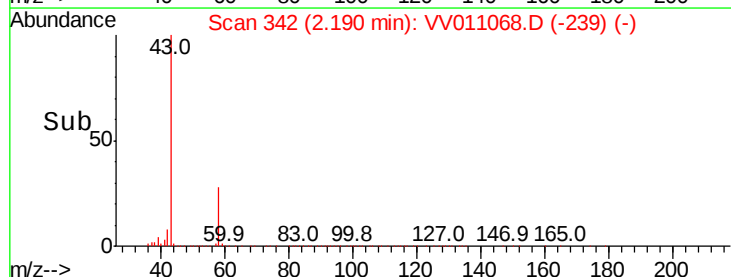
Tgt Ion: 43 Resp: 238656

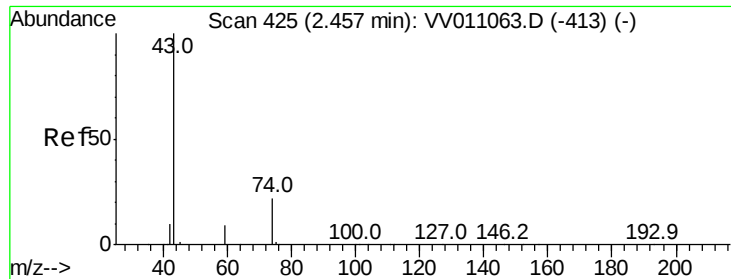
Ion	Ratio	Lower	Upper
43	100		
58	27.2	0.0	54.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#15

Methvl Acetate

Concen: 10.820 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.00 min

Lab File: VV011068.D

Acq: 28 May 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

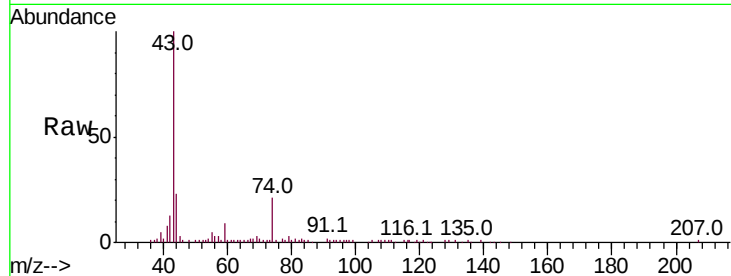
A51C9MS

Tot Ion: 43 Resp: 38025

Ion Ratio Lower Upper

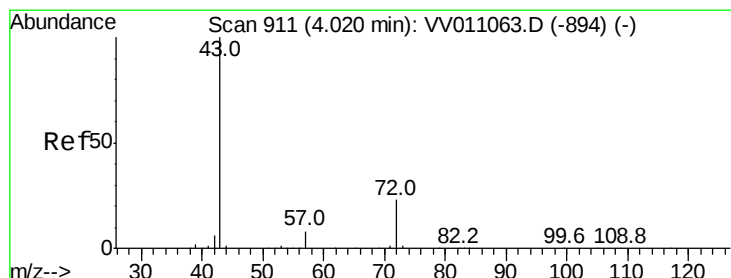
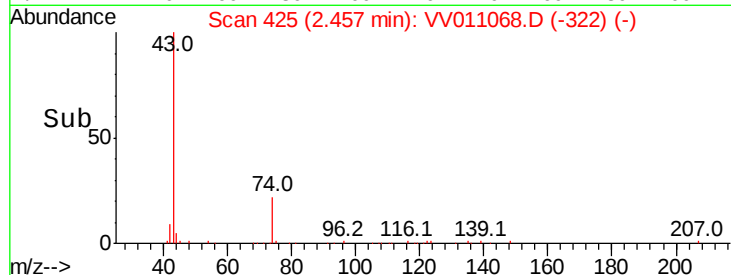
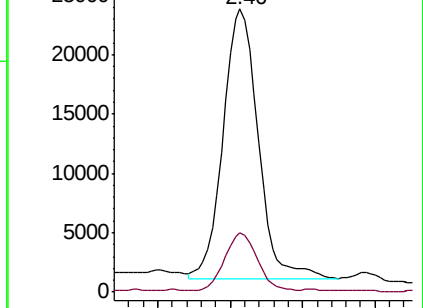
43 100

74 19.8 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#21

2-Butanone

Concen: 5.973 ug/L

RT: 4.03 min Scan# 915

Delta R.T. 0.01 min

Lab File: VV011068.D

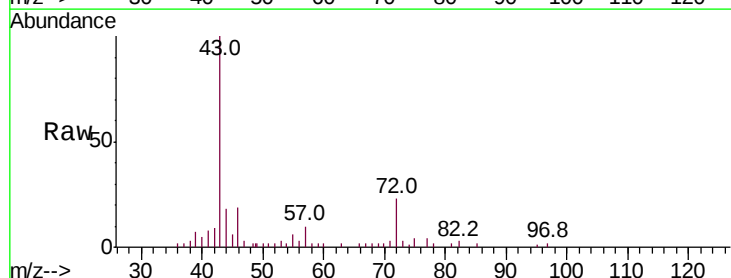
Acq: 28 May 2019 17:30

Tgt Ion: 43 Resp: 17909

Ion Ratio Lower Upper

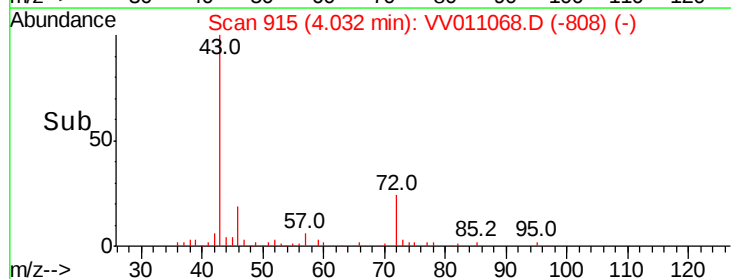
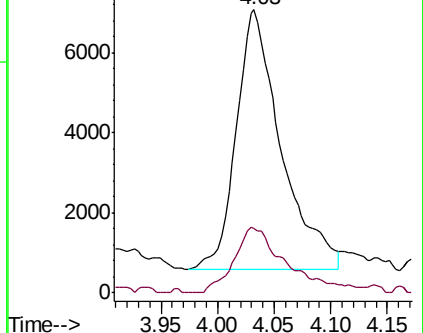
43 100

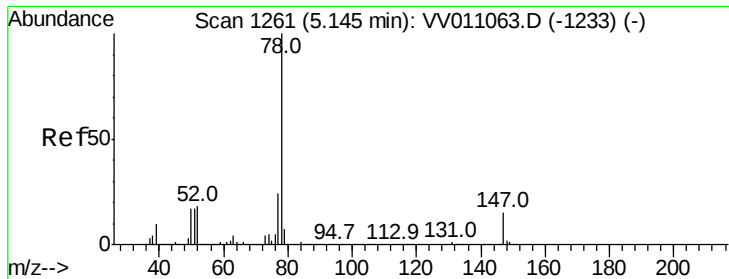
72 24.0 10.7 31.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0





#34

Benzene

Concen: 26.974 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV011068.D

Acq: 28 May 2019 17:30

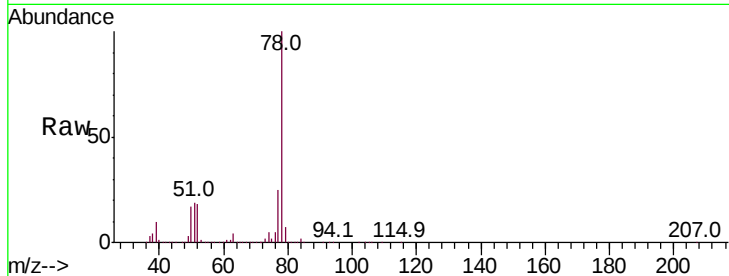
Instrument :

MSVOA_V

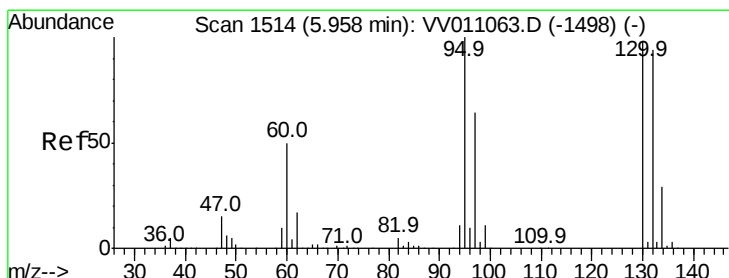
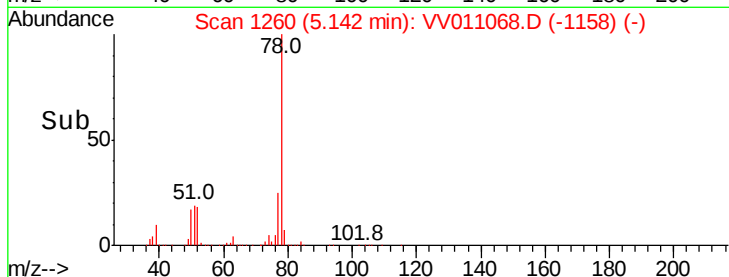
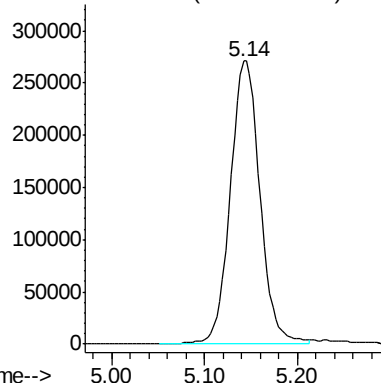
ClientSampleId :

A51C9MS

Tgt Ion: 78 Resp: 604088



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 24.874 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV011068.D

Acq: 28 May 2019 17:30

Tgt Ion: 95 Resp: 145490

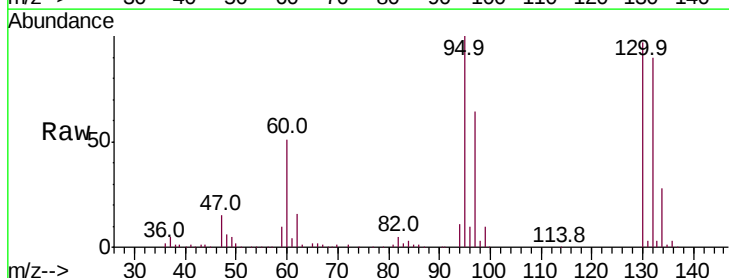
Ion	Ratio	Lower	Upper
95	100		
97	65.2	45.4	84.4
132	92.1	66.1	122.8
130	97.8	68.9	127.9

95 100

97 65.2 45.4 84.4

132 92.1 66.1 122.8

130 97.8 68.9 127.9

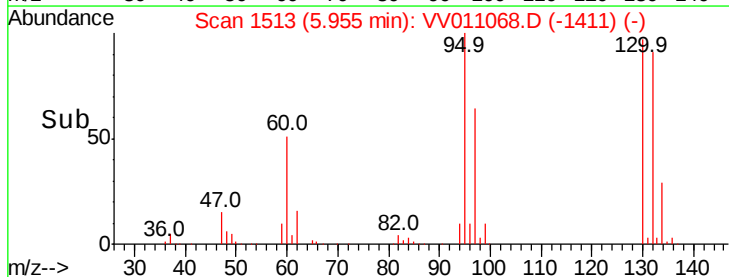
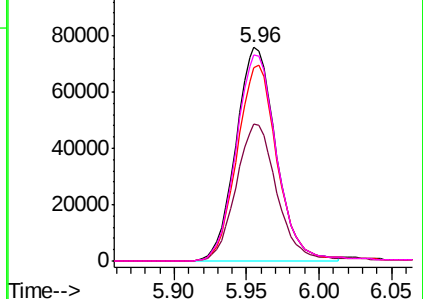


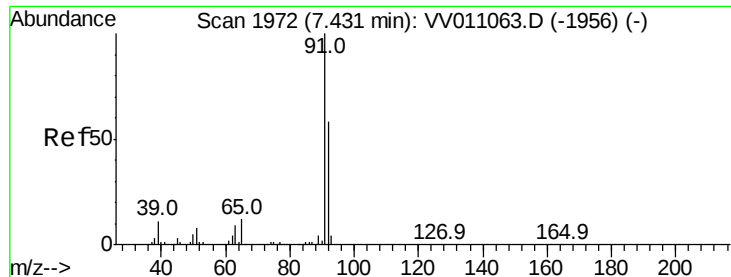
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 25.837 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011068.D

Acq: 28 May 2019 17:30

Instrument :

MSVOA_V

ClientSampleId :

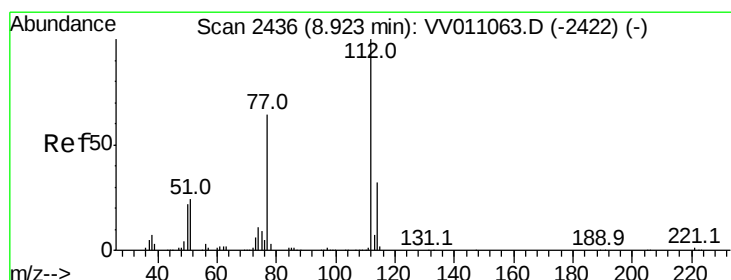
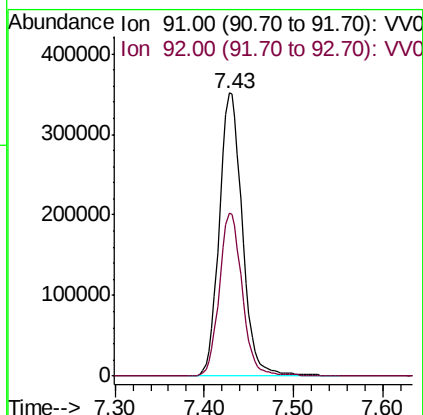
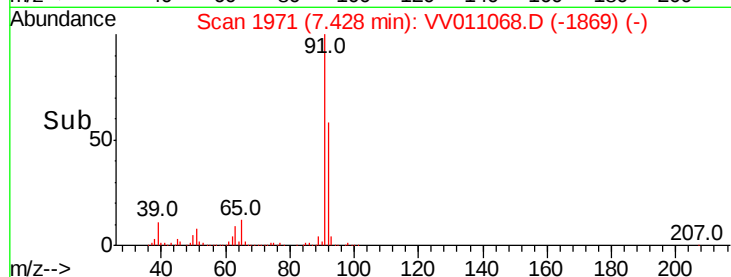
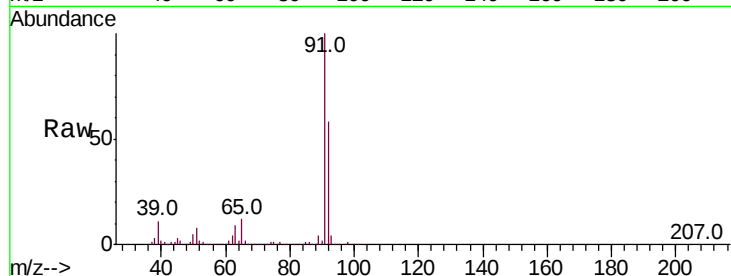
A51C9MS

Tot Ion: 91 Resp: 629123

Ion Ratio Lower Upper

91 100

92 57.6 41.0 76.2



#52

Chlorobenzene

Concen: 23.249 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV011068.D

Acq: 28 May 2019 17:30

Tgt Ion: 112 Resp: 350829

Ion Ratio Lower Upper

112 100

77 64.1 50.8 76.2

114 31.0 22.7 42.1

