

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041819\
 Data File : VV010404.D
 Acq On : 20 Apr 2019 00:59
 Operator : SY/MD
 Sample : K2456-20MSD
 Misc : 5.02G/10mL/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHN8MSD

Quant Time: Apr 20 05:54:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 20 04:30:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	38935	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	37088	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	15319	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	10028	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.12%
7) Chloroethane-d5	1.58	69	9350	22.51	ug/L	0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
10) 1,1-Dichloroethene-d2	2.13	63	18999	15.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.72%
20) 2-Butanone-d5	3.94	46	8991	58.39	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	116.78%
24) Chloroform-d	4.41	84	28507	27.85	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.40%
26) 1,2-Dichloroethane-d4	5.09	65	21203	35.09	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	140.36%#
29) Benzene-d6	5.10	84	48257	25.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.68%
33) 1,2-Dichloropropane-d6	6.12	67	16704	30.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	120.28%#
37) Toluene-d8	7.36	98	43794	24.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.00%
38) trans-1,3-Dichloropropene-	7.67	79	6230	22.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.20%
39) 2-Hexanone-d5	8.14	63	6075	49.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	20078	36.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	144.52%#
61) 1,2-Dichlorobenzene-d4	11.68	152	17201	28.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	114.24%

Target Compounds

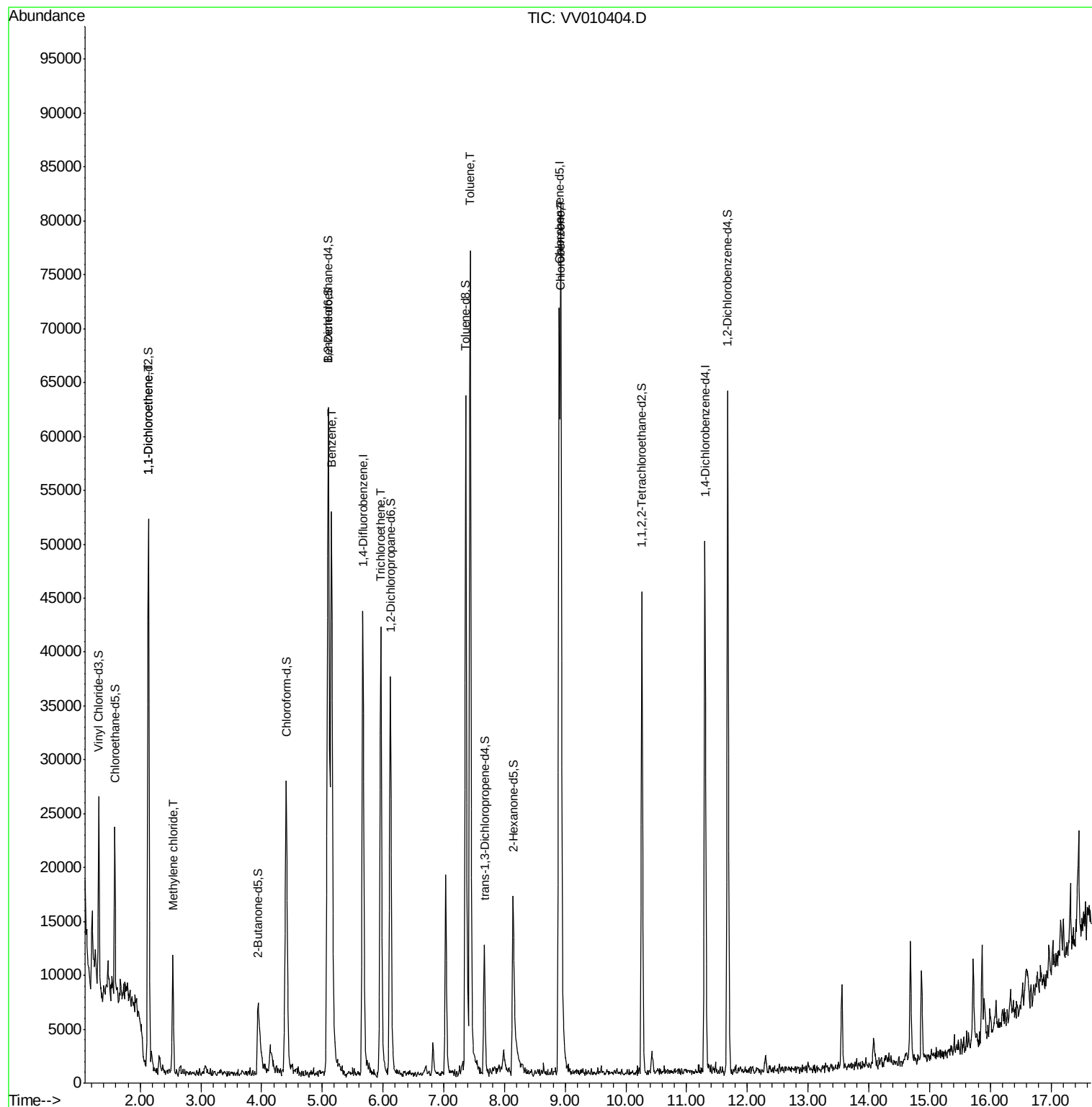
					Ovalue
12) 1,1-Dichloroethene	2.14	96	10238	20.241	ug/L 88
16) Methylene chloride	2.54	84	3759	6.044	ug/L 78
34) Benzene	5.15	78	48312	26.694	ug/L 100
35) Trichloroethene	5.96	95	13907	25.972	ug/L 97
44) Toluene	7.43	91	58340	28.594	ug/L 95
52) Chlorobenzene	8.93	112	40042	28.205	ug/L 95

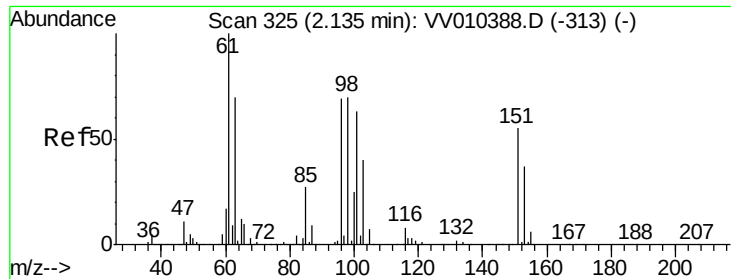
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Apr 20 04:30:57 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 20.241 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

Instrument :

MSVOA_V

ClientSampleId :

GAHN8MSD

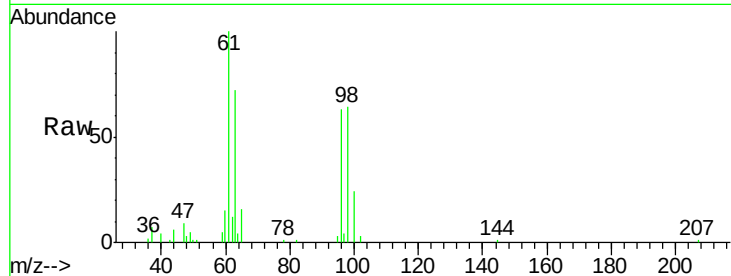
Tot Ion: 96 Resp: 10238

Ion Ratio Lower Upper

96 100

61 159.3 124.7 231.5

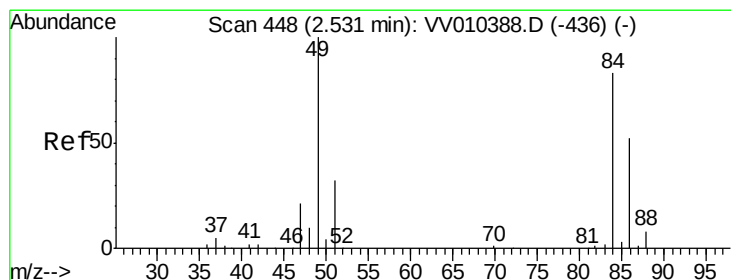
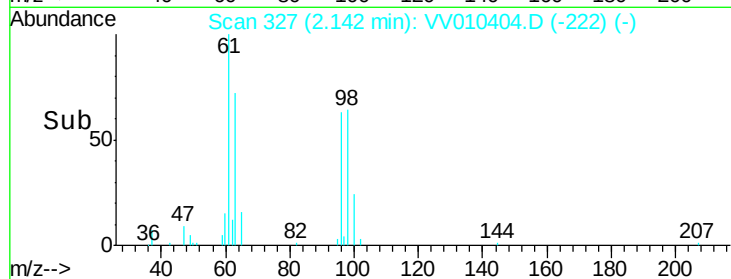
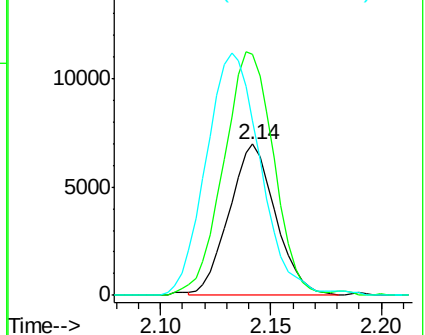
63 115.4 88.7 164.7



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



#16

Methylene chloride

Concen: 6.044 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.01 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

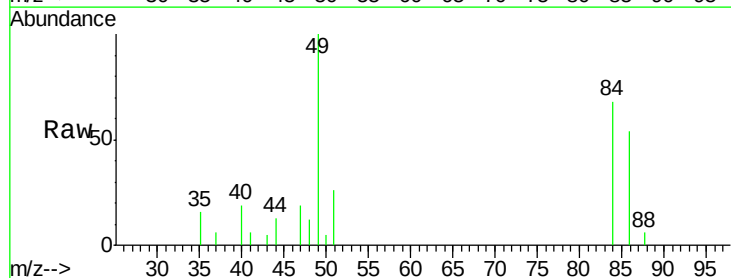
Tgt Ion: 84 Resp: 3759

Ion Ratio Lower Upper

84 100

49 147.3 83.8 155.6

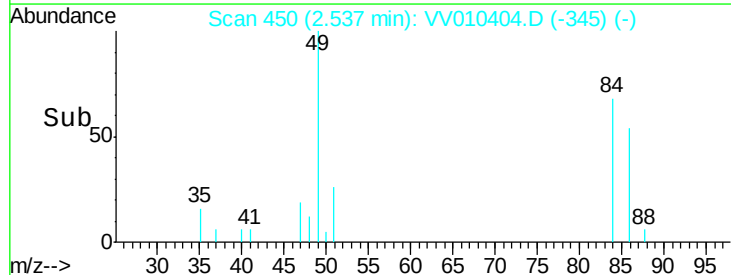
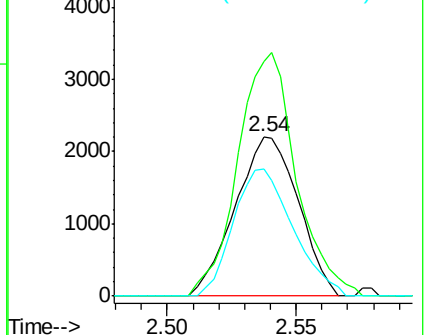
86 80.0 46.1 85.5

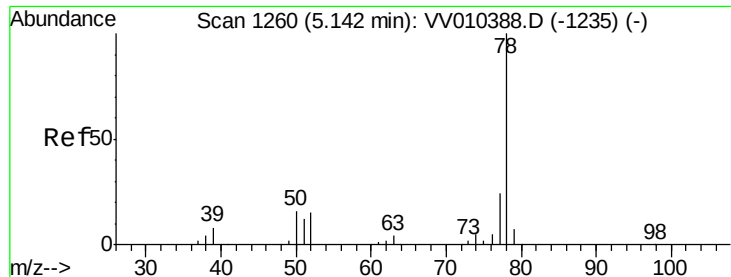


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#34

Benzene

Concen: 26.694 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VV010404.D

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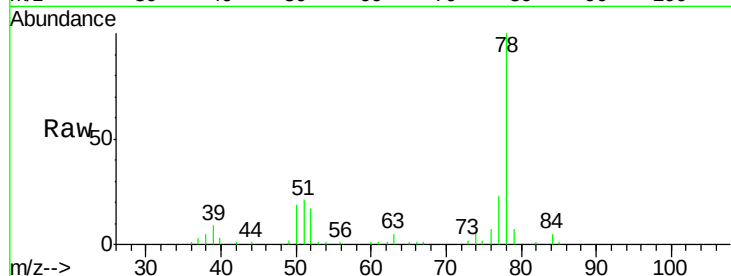
Instrument :

MSVOA_V

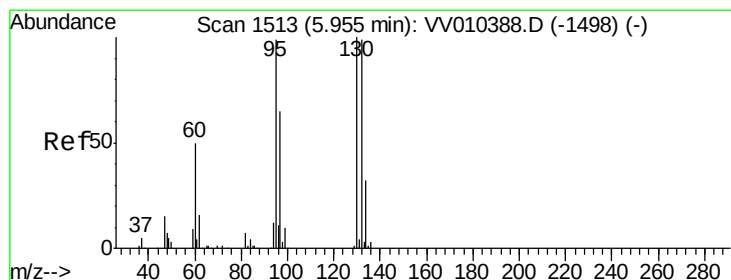
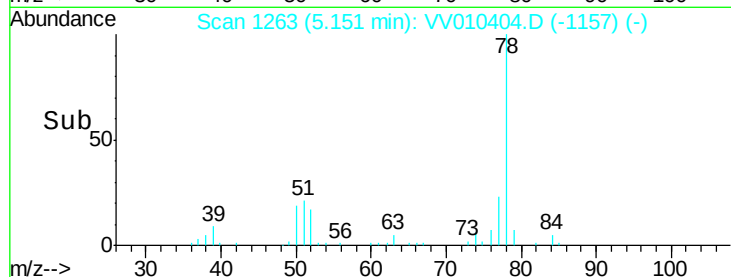
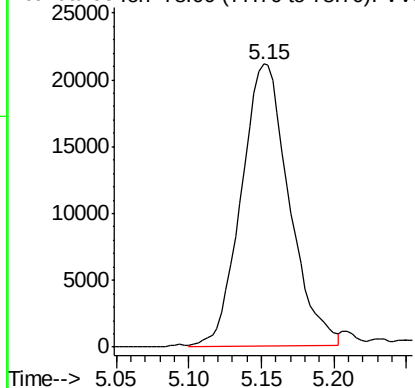
ClientSampleId :

GAHN8MSD

Tgt Ion: 78 Resp: 48312



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 25.972 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.01 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

Tgt Ion: 95 Resp: 13907

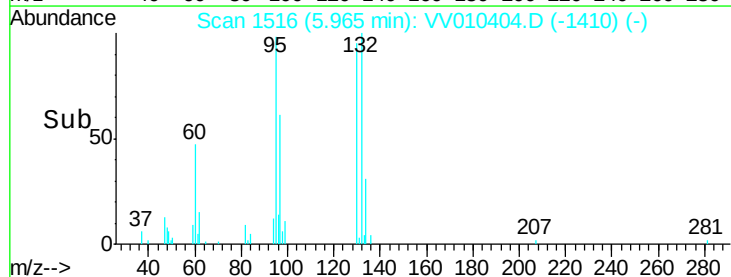
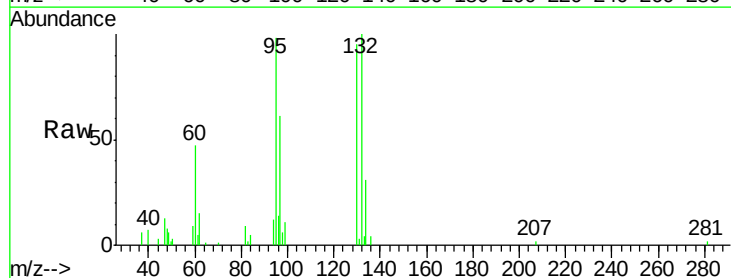
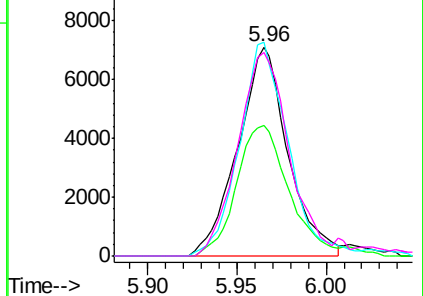
Ion	Ratio	Lower	Upper
95	100		
97	65.1	45.6	84.8
132	99.1	71.5	132.7
130	99.5	74.0	137.4

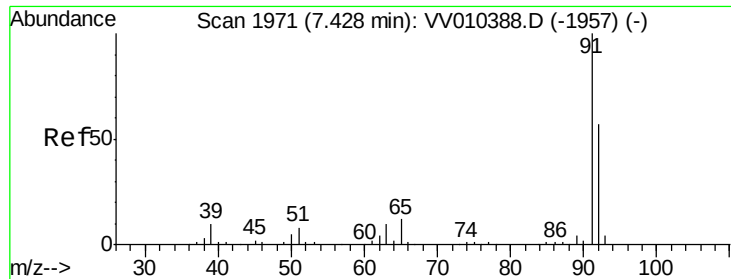
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#44

Toluene

Concen: 28.594 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

Instrument :

MSVOA_V

ClientSampleId :

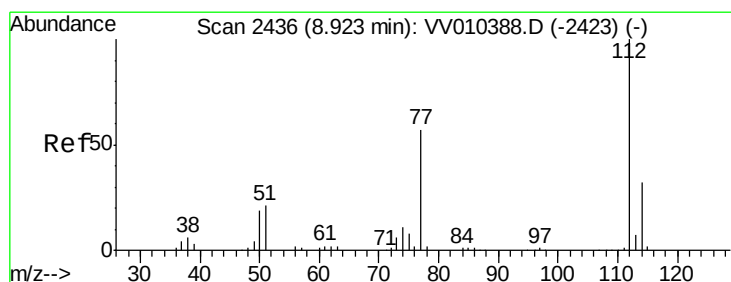
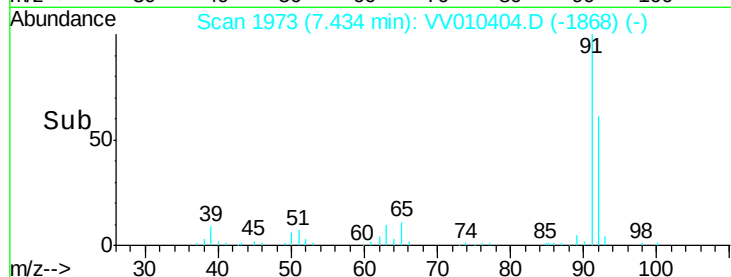
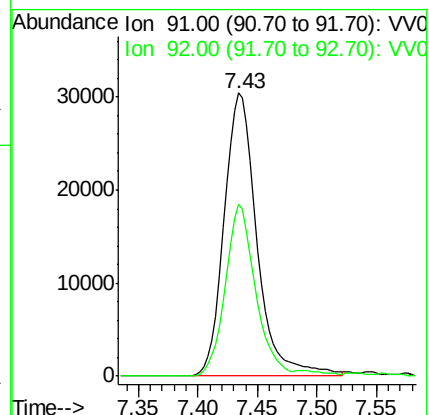
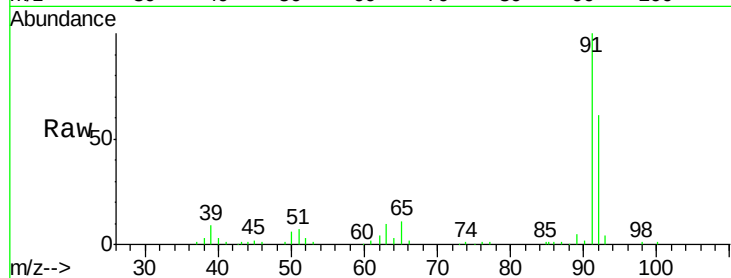
GAHN8MSD

Tot Ion: 91 Resp: 58340

Ion Ratio Lower Upper

91 100

92 60.8 40.1 74.5



#52

Chlorobenzene

Concen: 28.205 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010404.D

Acq: 20 Apr 2019 00:59

Tgt Ion: 112 Resp: 40042

Ion Ratio Lower Upper

112 100

77 58.7 43.0 64.4

114 31.0 22.5 41.9

