

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092319\
 Data File : VV012938.D
 Acq On : 23 Sep 2019 15:58
 Operator : SY/MD
 Sample : K4958-12MS
 Misc : 5.62G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ESNZ3MS

Quant Time: Sep 24 07:54:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Sep 24 07:38:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	689642	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	634315	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	240757	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	233318	21.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.20%
7) Chloroethane-d5	1.58	69	194740	22.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.04%
10) 1,1-Dichloroethene-d2	2.13	63	414392	23.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.16%
20) 2-Butanone-d5	3.95	46	148768	40.27	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.54%
24) Chloroform-d	4.40	84	425622	22.47	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.88%
26) 1,2-Dichloroethane-d4	5.08	65	264351	24.00	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.00%
29) Benzene-d6	5.10	84	881308	24.89	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.56%
33) 1,2-Dichloropropane-d6	6.12	67	285458	25.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.84%
37) Toluene-d8	7.36	98	749170	23.30	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.20%
38) trans-1,3-Dichloropropene-	7.66	79	110733	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.24%
39) 2-Hexanone-d5	8.14	63	97017	43.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.86%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	233634	22.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	233702	24.98	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.92%

Target Compounds

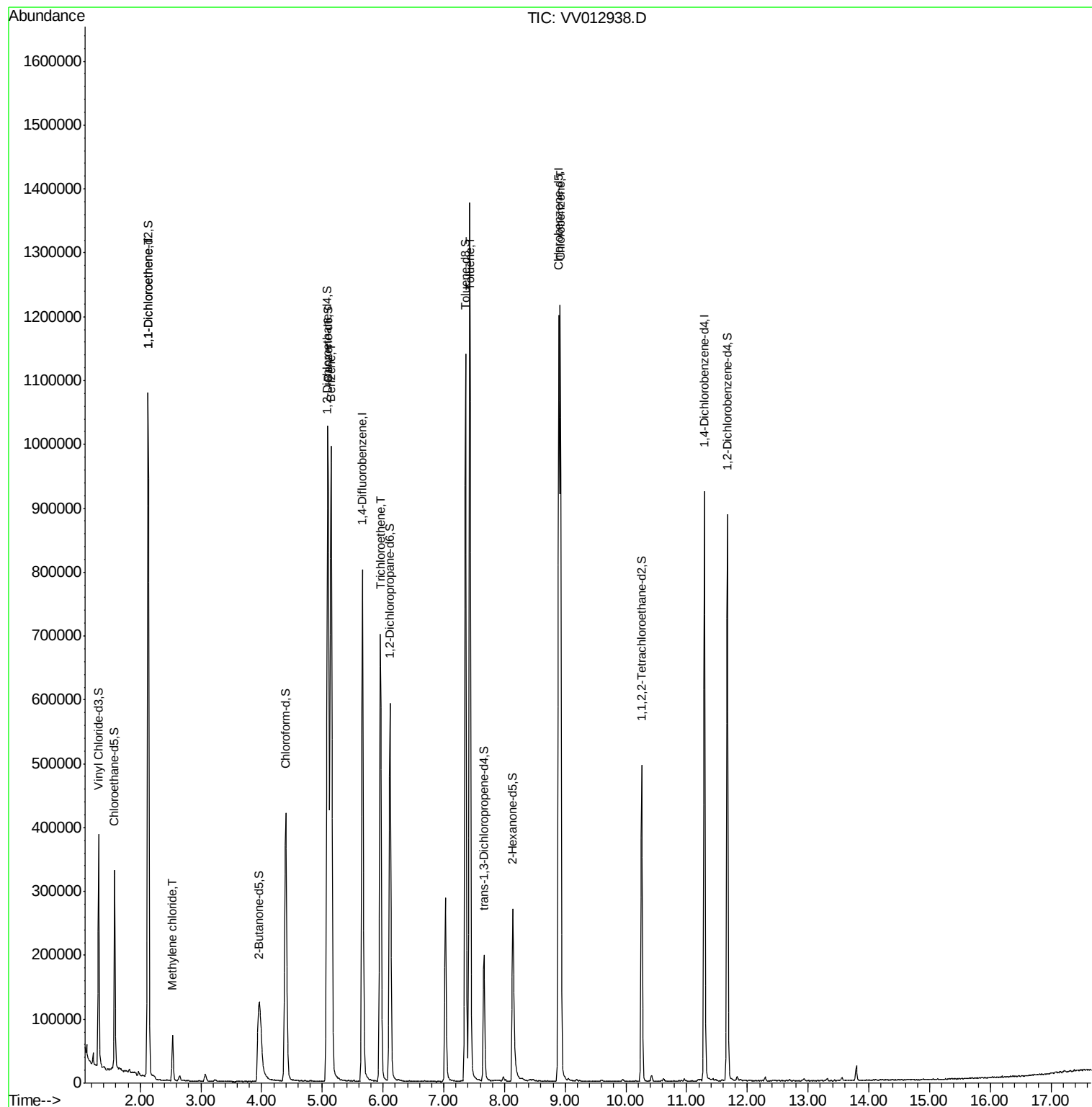
					Ovalue
12) 1,1-Dichloroethene	2.14	96	210377	26.986	ug/L 93
16) Methylene chloride	2.53	84	28633	2.778	ug/L 99
34) Benzene	5.14	78	979988	27.755	ug/L 100
35) Trichloroethene	5.96	95	240818	24.484	ug/L 99
44) Toluene	7.43	91	993449	26.677	ug/L 99
52) Chlorobenzene	8.92	112	621440	24.182	ug/L 100

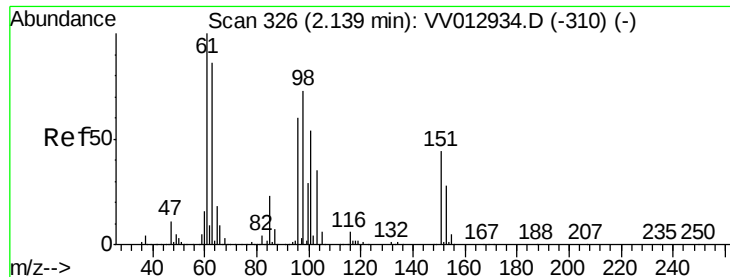
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 24 07:38:53 2019
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 26.986 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012938.D

Acq: 23 Sep 2019 15:58

Instrument :

MSVOA_V

ClientSampleId :

ESNZ3MS

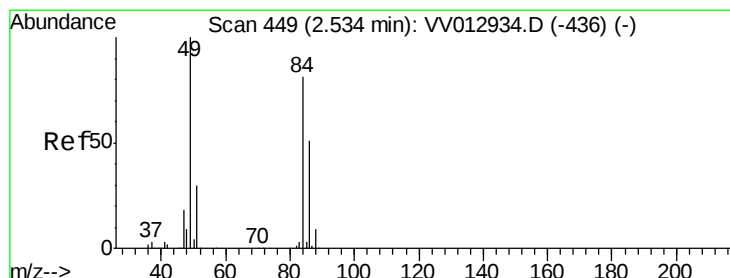
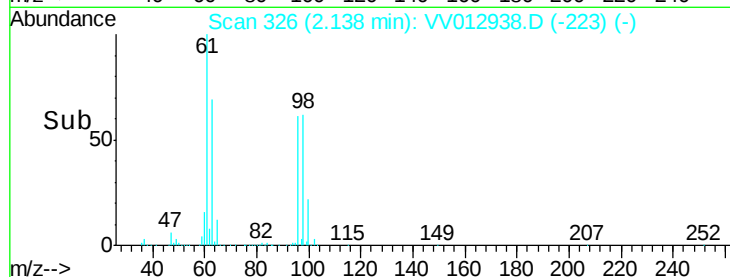
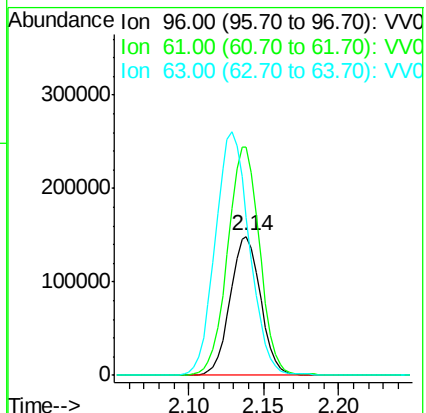
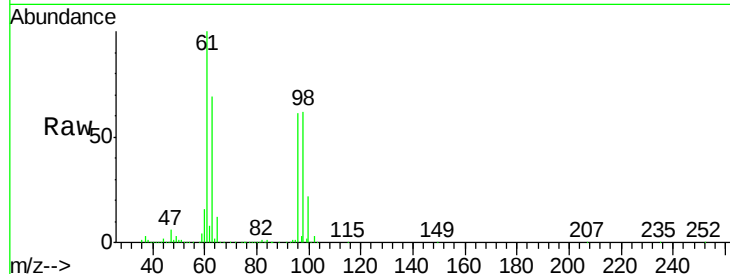
Tot Ion: 96 Resp: 210377

Ion Ratio Lower Upper

96 100

61 164.0 117.2 217.8

63 113.7 89.6 166.4



#16

Methylene chloride

Concen: 2.778 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV012938.D

Acq: 23 Sep 2019 15:58

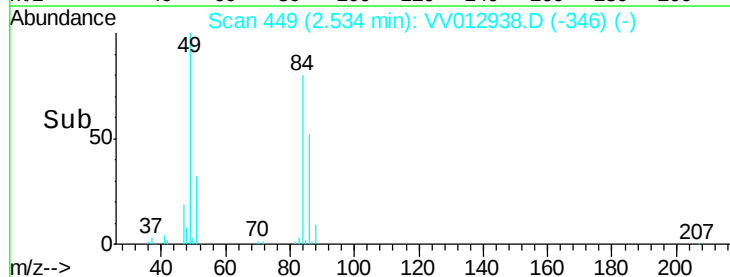
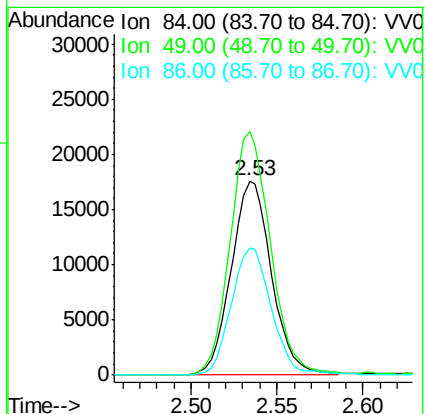
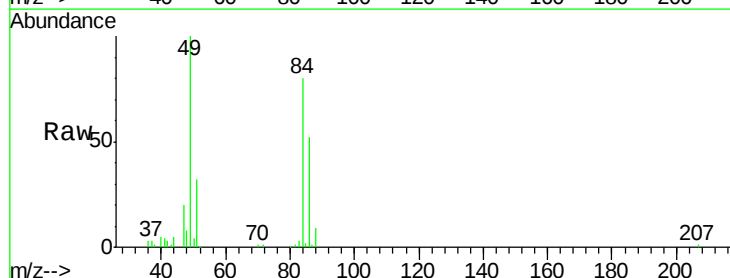
Tgt Ion: 84 Resp: 28633

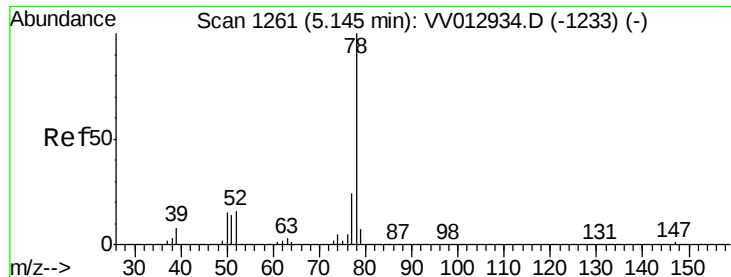
Ion Ratio Lower Upper

84 100

49 125.6 88.3 164.1

86 65.4 44.9 83.3





#34

Benzene

Concen: 27.755 ug/L

RT: 5.14 min Scan# 1261

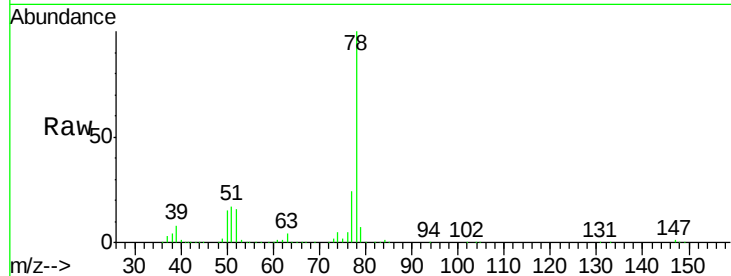
Delta R.T. -0.00 min

Lab File: VV012938.D

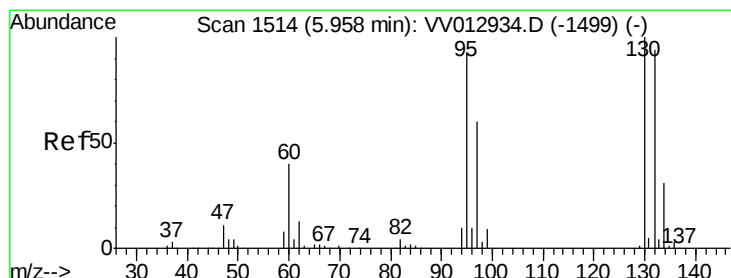
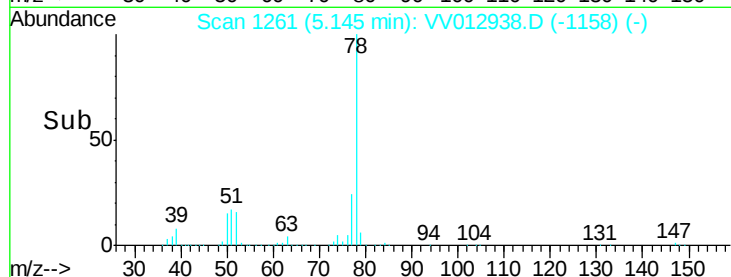
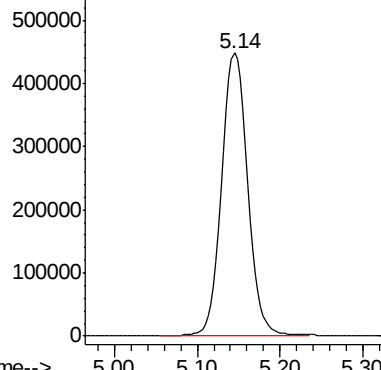
Acq: 23 Sep 2019 15:58

Instrument :
MSVOA_V
ClientSampleId :
ESNZ3MS

Tgt Ion: 78 Resp: 979988



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 24.484 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV012938.D

Acq: 23 Sep 2019 15:58

Tgt Ion: 95 Resp: 240818

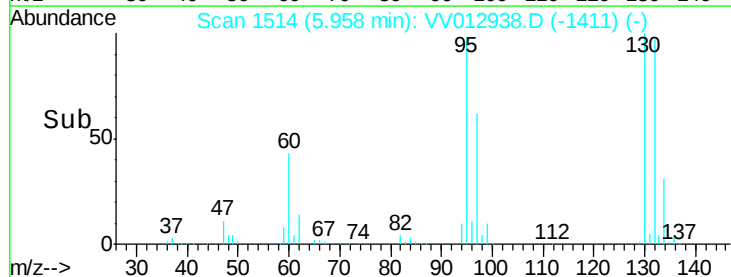
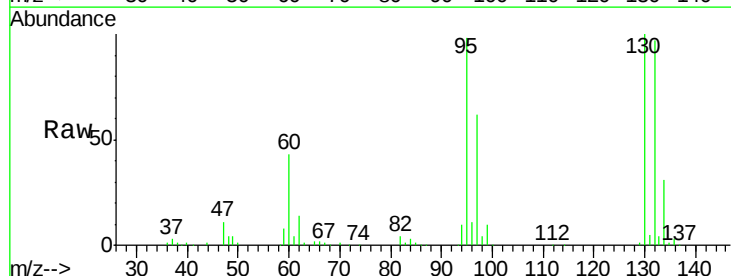
Ion	Ratio	Lower	Upper
95	100		
97	62.8	44.7	82.9
132	99.2	70.1	130.1
130	102.5	73.3	136.1

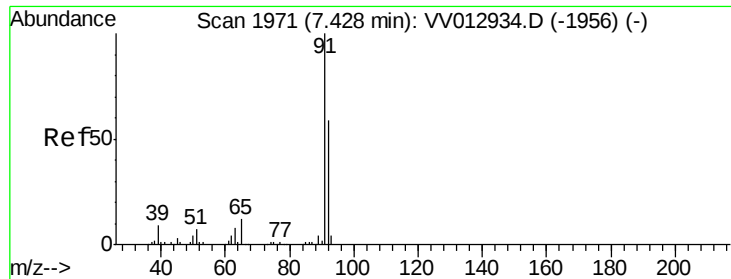
Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 26.677 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012938.D

Acq: 23 Sep 2019 15:58

Instrument :

MSVOA_V

ClientSampleId :

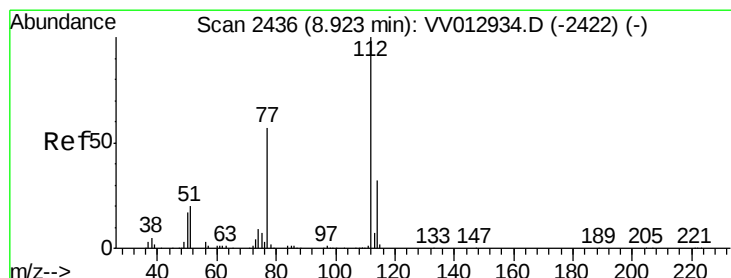
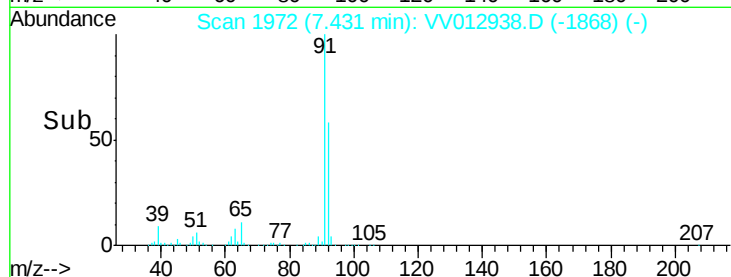
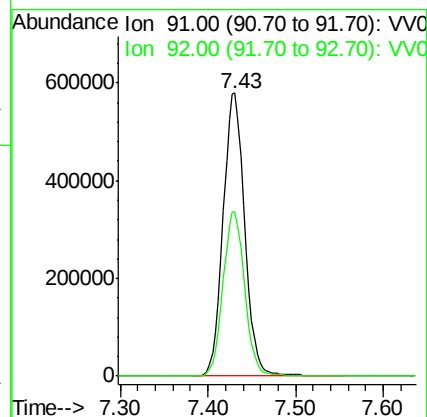
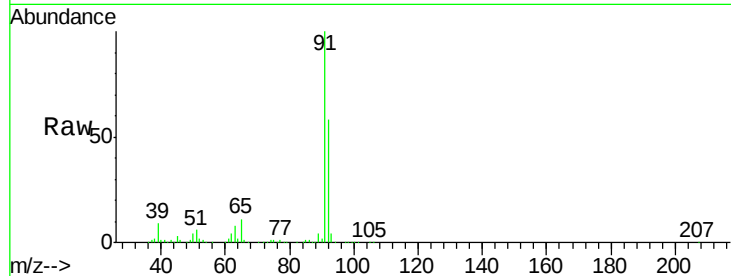
ESNZ3MS

Tot Ion: 91 Resp: 993449

Ion Ratio Lower Upper

91 100

92 58.1 41.3 76.7



#52

Chlorobenzene

Concen: 24.182 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012938.D

Acq: 23 Sep 2019 15:58

Tgt Ion: 112 Resp: 621440

Ion Ratio Lower Upper

112 100

77 57.9 46.3 69.5

114 32.5 22.5 41.7

