

Data File : VV013073.D
Acq On : 09 Oct 2019 14:17
Operator : SY/MD
Sample : K5265-02MS
Misc : 4.73G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBAR1MS

Quant Time: Oct 10 07:50:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 07:47:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	729375	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	701446	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	306202	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	166719	14.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.92%
7) Chloroethane-d5	1.58	69	166990	18.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.00%
10) 1,1-Dichloroethene-d2	2.13	63	347743	18.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.92%
20) 2-Butanone-d5	3.96	46	122167	31.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	62.52%
24) Chloroform-d	4.40	84	377147	18.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	75.28%
26) 1,2-Dichloroethane-d4	5.08	65	216174	18.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	74.24%
29) Benzene-d6	5.10	84	736006	18.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	75.16%
33) 1,2-Dichloropropane-d6	6.12	67	246503	20.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	80.32%
37) Toluene-d8	7.36	98	629989	17.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	70.88%
38) trans-1,3-Dichloropropene-	7.66	79	90613	17.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.72%
39) 2-Hexanone-d5	8.13	63	83867	33.95	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	67.90%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	200879	17.23	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.92%
61) 1,2-Dichlorobenzene-d4	11.67	152	240040	20.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.72%

Target Compounds

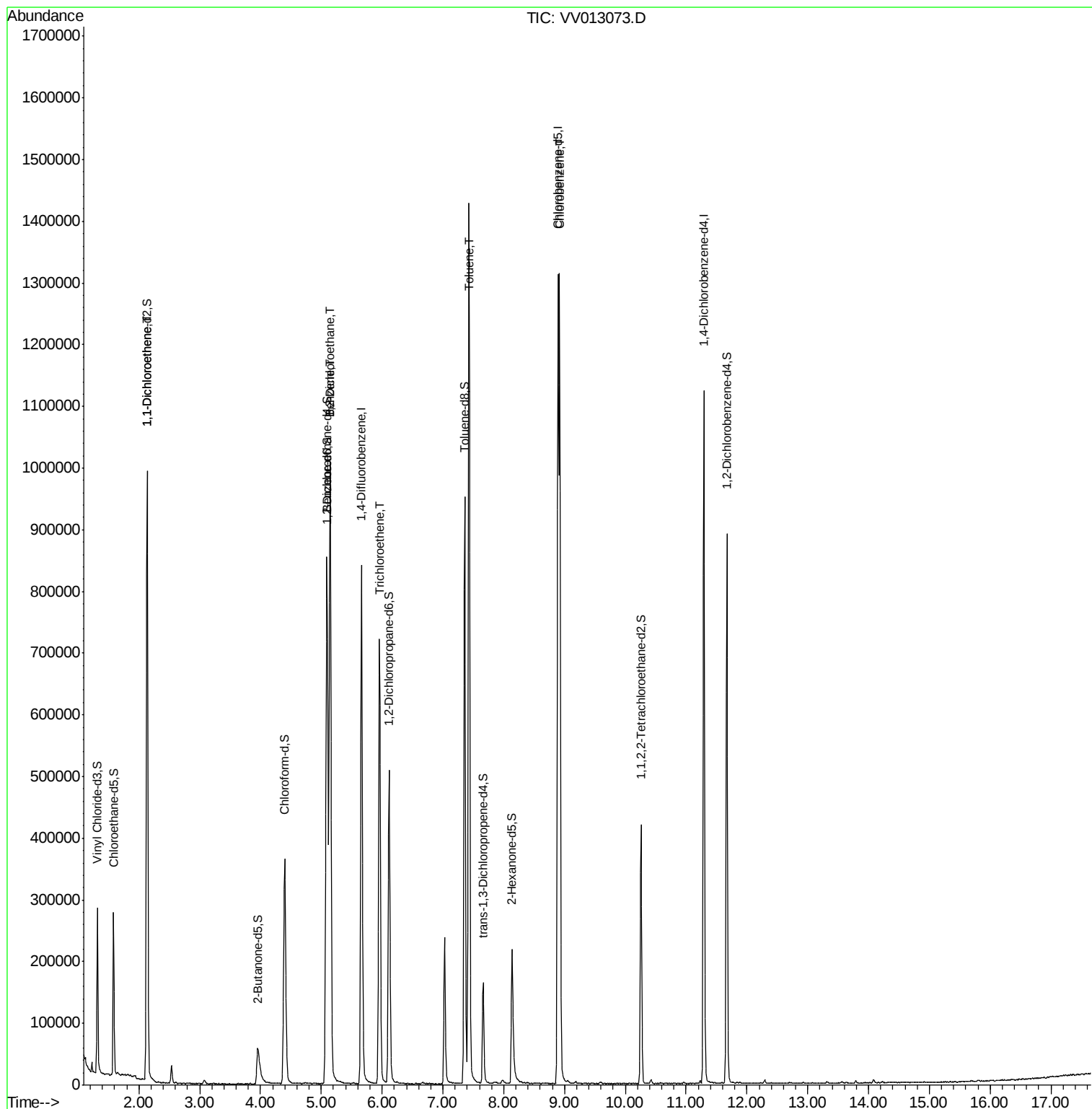
					Qvalue
12) 1,1-Dichloroethene	2.14	96	215497	26.137 ug/L	93
27) 1,2-Dichloroethane	5.14	62	9291	0.704 ug/L #	72
34) Benzene	5.14	78	989456	25.341 ug/L	100
35) Trichloroethene	5.96	95	245532	22.574 ug/L	99
44) Toluene	7.43	91	1042933	25.326 ug/L	98
52) Chlorobenzene	8.92	112	676823	23.817 ug/L	98

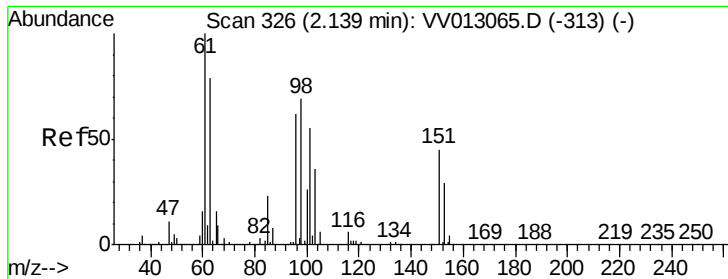
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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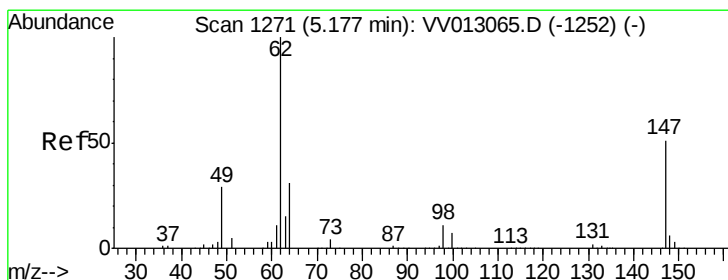
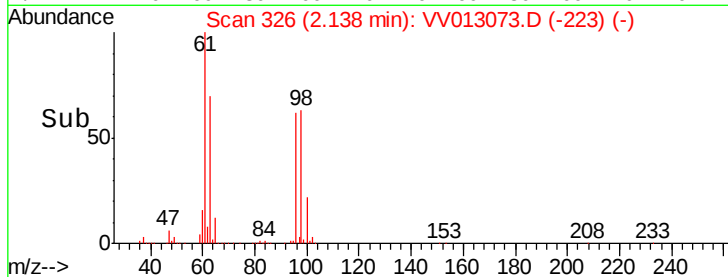
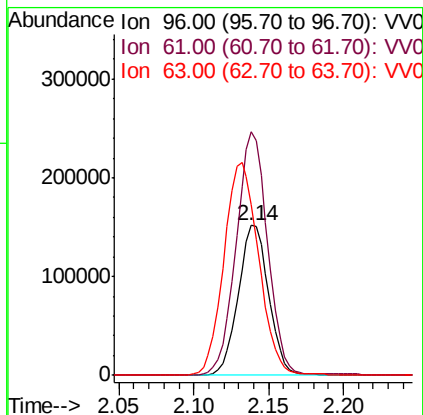
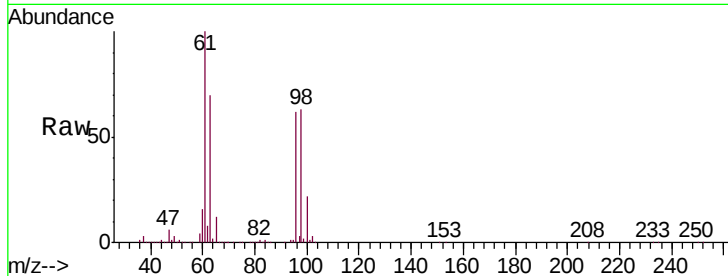




#12
 1,1-Dichloroethene
 Concen: 26.137 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV013073.D
 Acq: 09 Oct 2019 14:17

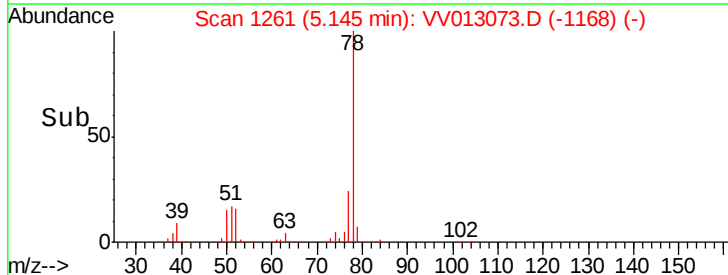
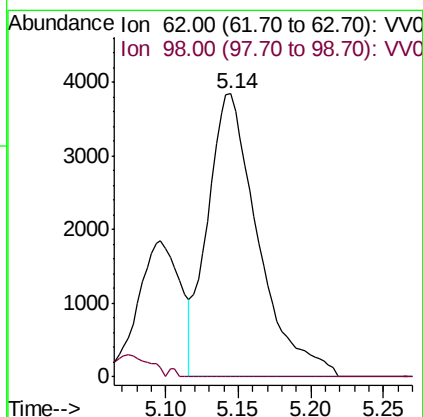
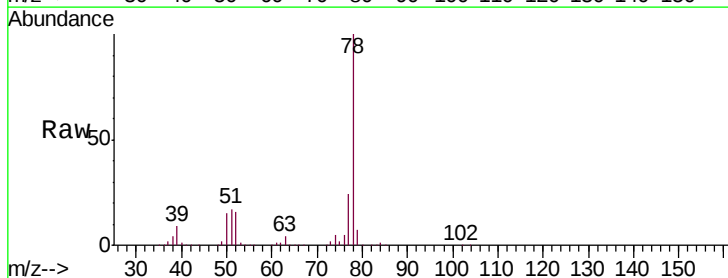
Instrument :
 MSVOA_V
 ClientSampleId :
 DBAR1MS

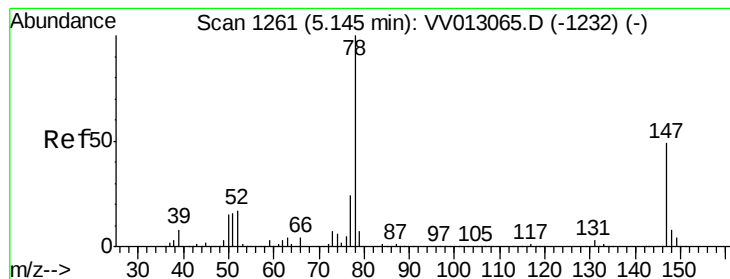
Tgt Ion: 96 Resp: 215497
 Ion Ratio Lower Upper
 96 100
 61 162.4 117.2 217.8
 63 113.8 89.6 166.4



#27
 1,2-Dichloroethane
 Concen: 0.704 ug/L
 RT: 5.14 min Scan# 1261
 Delta R.T. -0.03 min
 Lab File: VV013073.D
 Acq: 09 Oct 2019 14:17

Tgt Ion: 62 Resp: 9291
 Ion Ratio Lower Upper
 62 100
 98 0.0 8.2 12.4#





#34

Benzene

Concen: 25.341 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VV013073.D

Acq: 09 Oct 2019 14:17

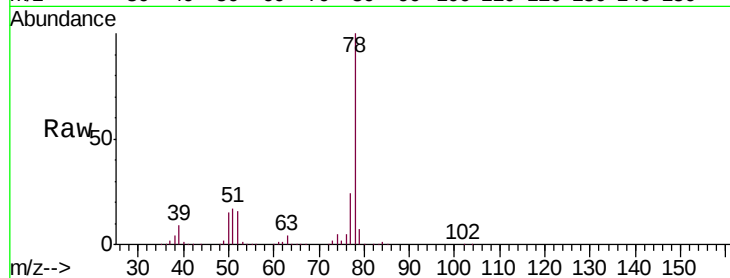
Instrument :

MSVOA_V

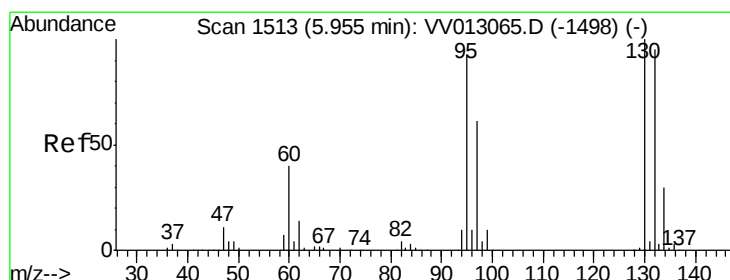
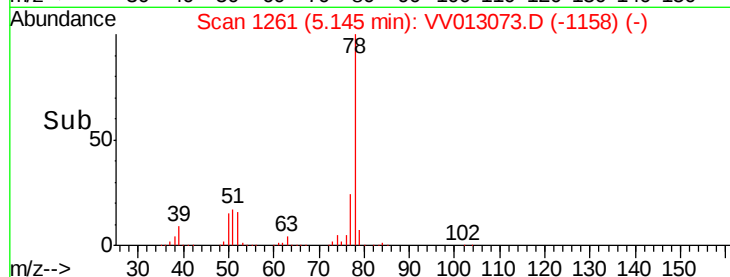
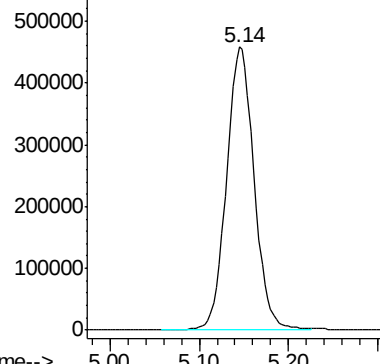
ClientSampleId :

DBAR1MS

Tgt Ion: 78 Resp: 989456



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 22.574 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013073.D

Acq: 09 Oct 2019 14:17

Tgt Ion: 95 Resp: 245532

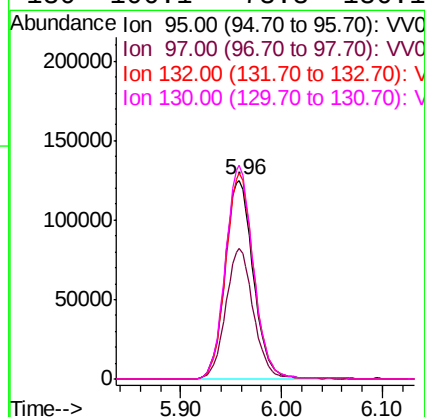
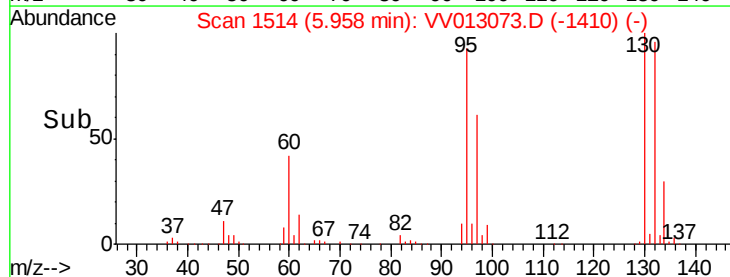
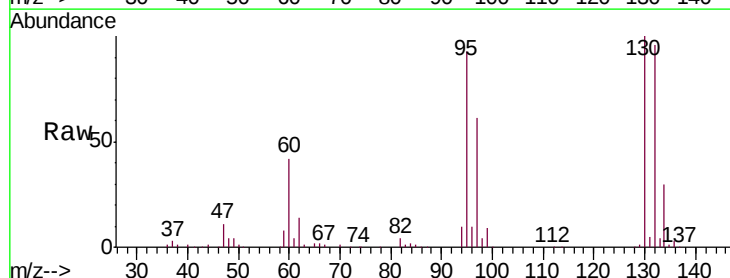
Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.7	82.9
132	101.5	70.1	130.1
130	106.1	73.3	136.1

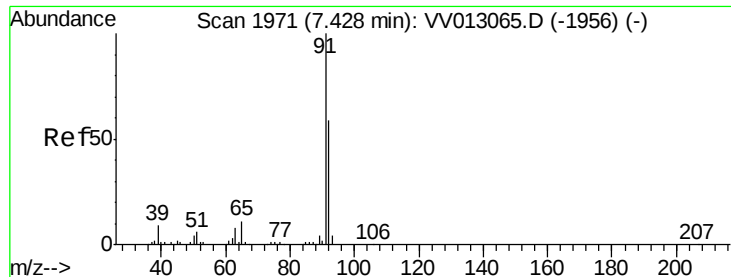
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 25.326 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013073.D

Acq: 09 Oct 2019 14:17

Instrument :

MSVOA_V

ClientSampleId :

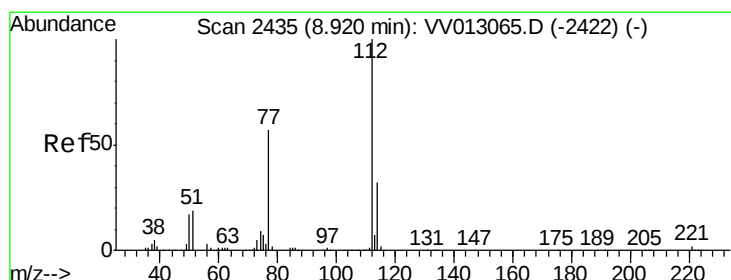
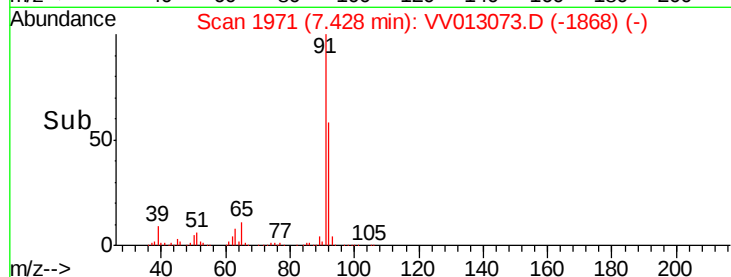
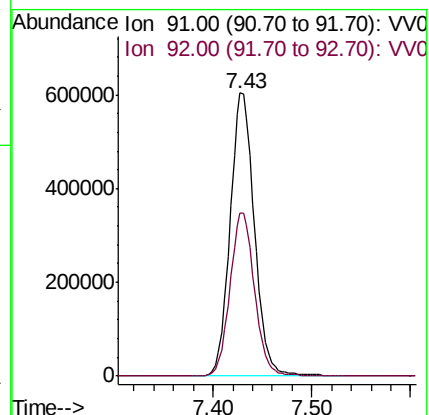
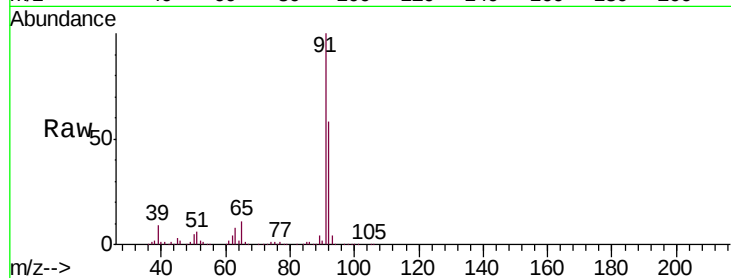
DBAR1MS

Tgt Ion: 91 Resp: 1042933

Ion Ratio Lower Upper

91 100

92 57.6 41.3 76.7



#52

Chlorobenzene

Concen: 23.817 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV013073.D

Acq: 09 Oct 2019 14:17

Tgt Ion: 112 Resp: 676823

Ion Ratio Lower Upper

112 100

77 55.9 46.3 69.5

114 31.9 22.5 41.7

