

Data File : VV010221.D
Acq On : 10 Apr 2019 20:32
Operator : SY/MD
Sample : K2167-05
Misc : 5.01G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:11:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 11 07:05:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	292230	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	284620	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	127883	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81518	24.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.92%
7) Chloroethane-d5	1.57	69	74780	25.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.48%
10) 1,1-Dichloroethene-d2	2.13	63	159806	18.66	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.64%
20) 2-Butanone-d5	3.93	46	46087	54.14	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.28%
24) Chloroform-d	4.40	84	164401	24.64	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.56%
26) 1,2-Dichloroethane-d4	5.08	65	101324	26.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.64%
29) Benzene-d6	5.10	84	362122	26.39	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.56%
33) 1,2-Dichloropropane-d6	6.12	67	105985	25.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.84%
37) Toluene-d8	7.36	98	348302	26.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.12%
38) trans-1,3-Dichloropropene-	7.66	79	42913	25.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.84%
39) 2-Hexanone-d5	8.13	63	34521	48.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.92%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	93082	25.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	125921	26.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.64%

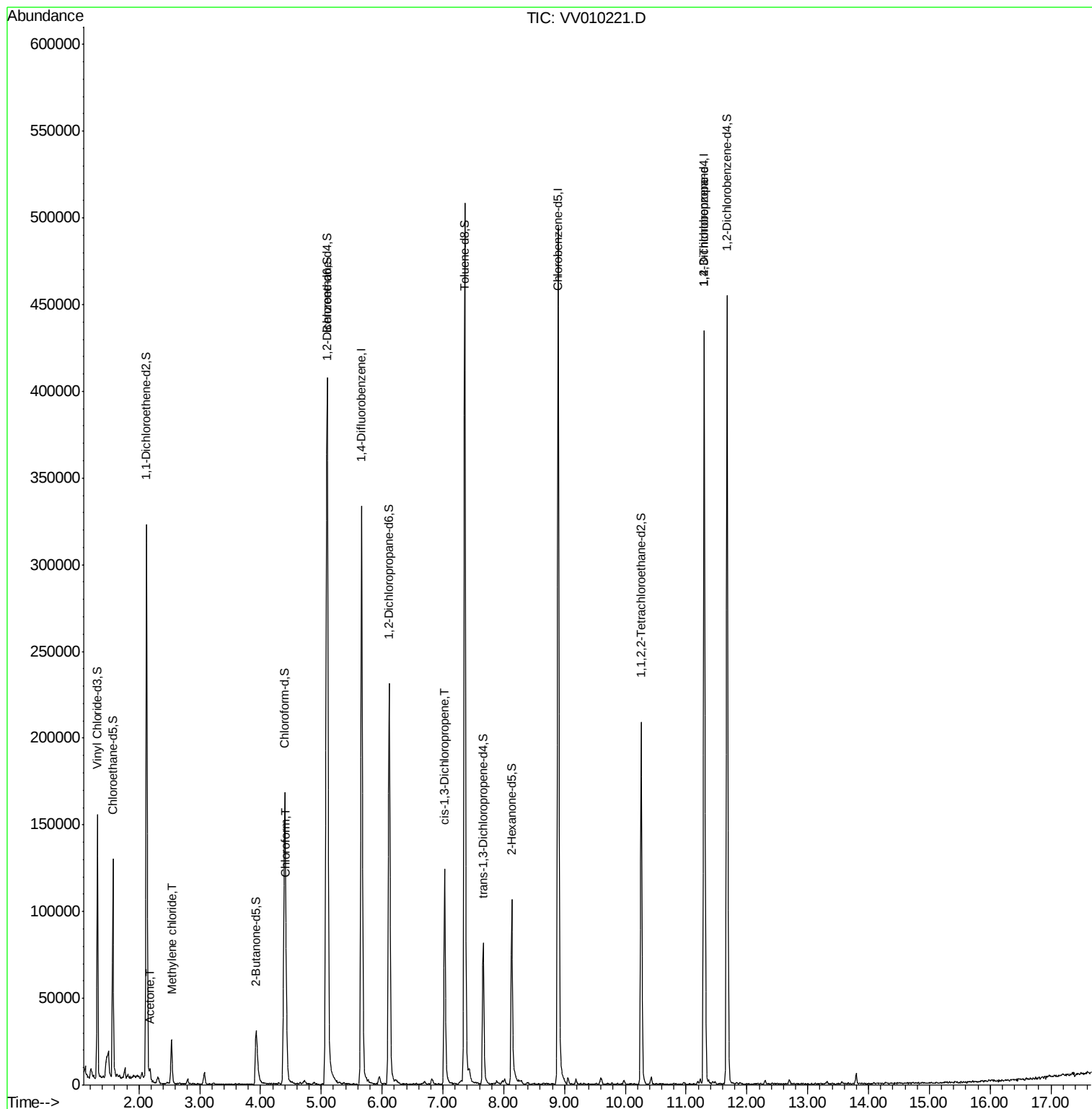
Target Compounds

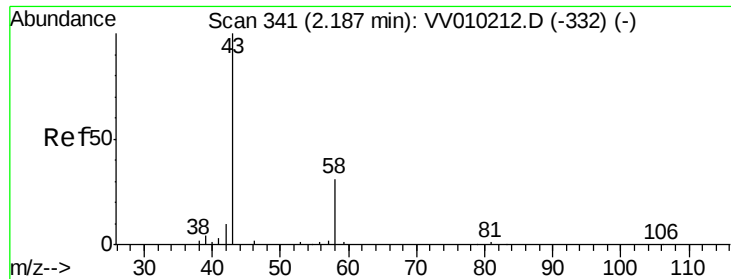
					Qvalue
13) Acetone	2.18	43	2253	2.477 ug/L	85
16) Methylene chloride	2.54	84	11024	1.926 ug/L	98
25) Chloroform	4.43	83	12708	1.775 ug/L #	42
42) cis-1,3-Dichloropropene	7.03	75	4342	0.812 ug/L #	74
59) 1,2,3-Trichloropropane	11.30	75	16055	5.894 ug/L	98

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

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#13

Acetone

Concen: 2.477 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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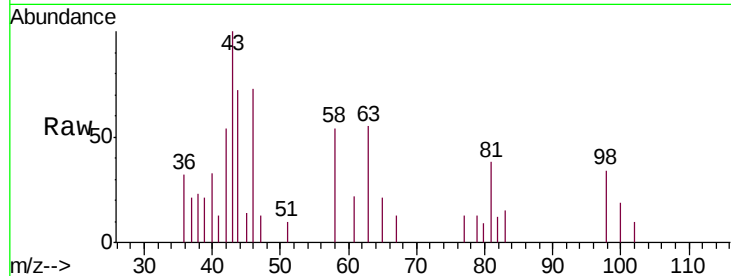
Acq: 10 Apr 2019 20:32

Tgt Ion: 43 Resp: 2253

Ion Ratio Lower Upper

43 100

58 38.9 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

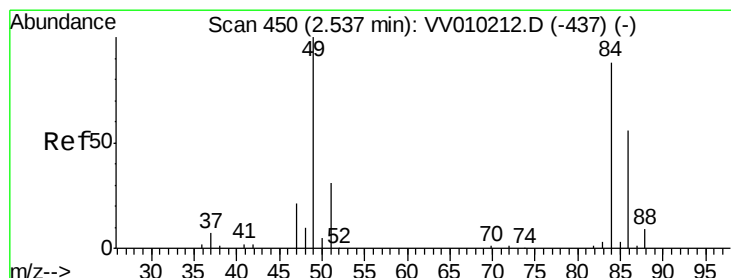
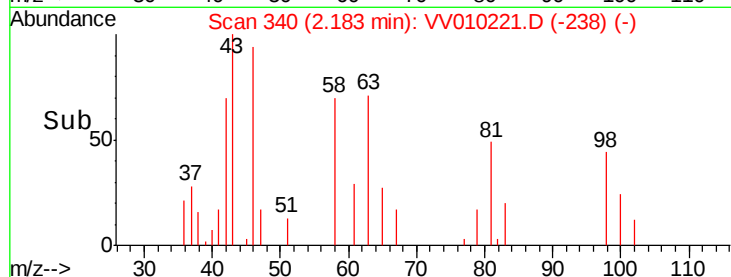
2.18

1000

500

0

Time-->



#16

Methylene chloride

Concen: 1.926 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

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Acq: 10 Apr 2019 20:32

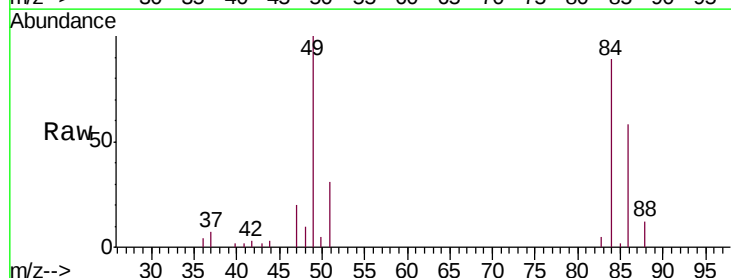
Tgt Ion: 84 Resp: 11024

Ion Ratio Lower Upper

84 100

49 112.3 79.9 148.5

86 64.6 44.5 82.7



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

10000

8000

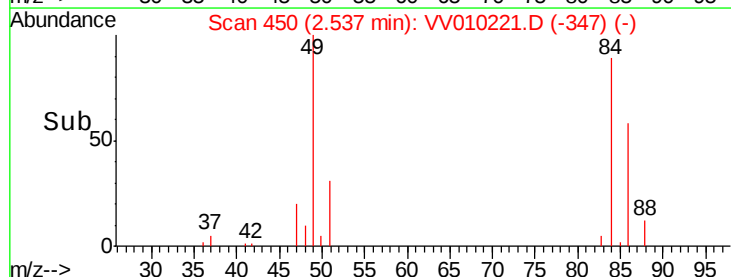
6000

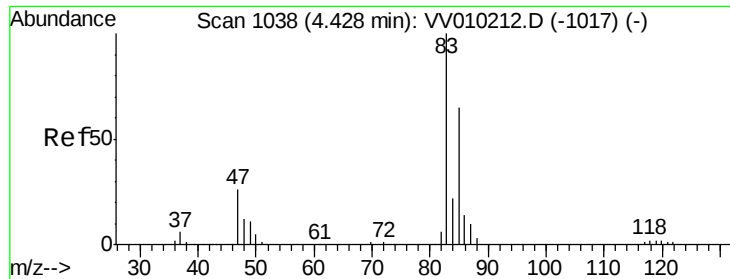
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2000

0

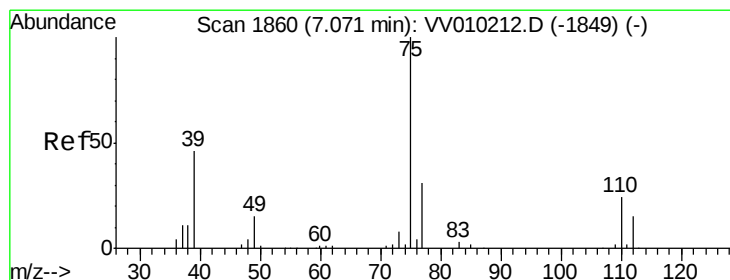
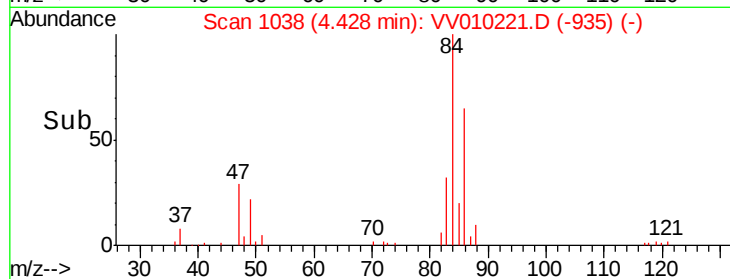
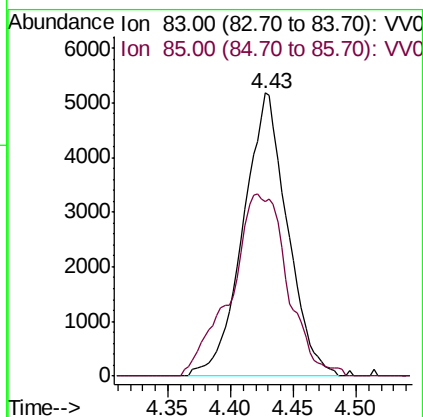
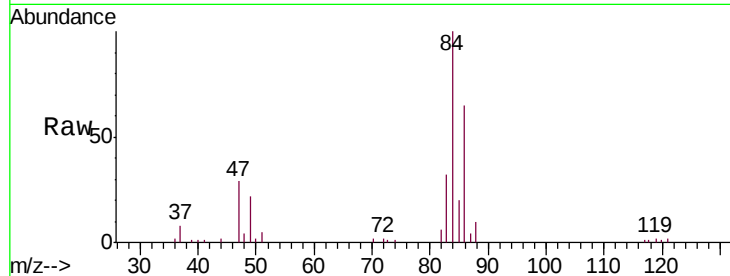
Time-->





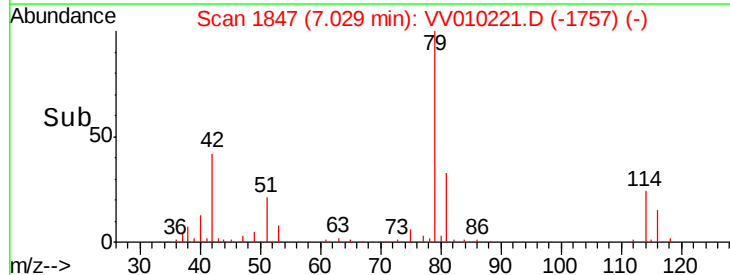
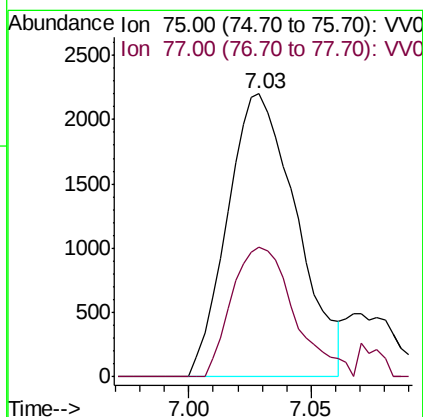
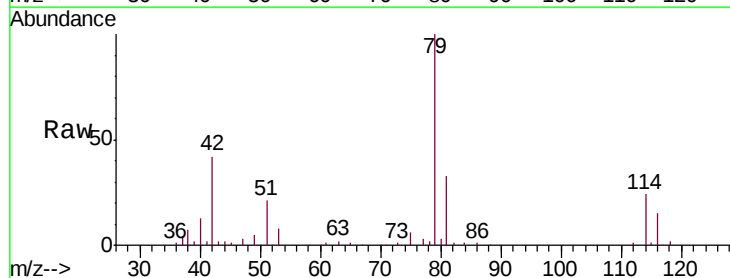
#25
Chloroform
Concen: 1.775 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
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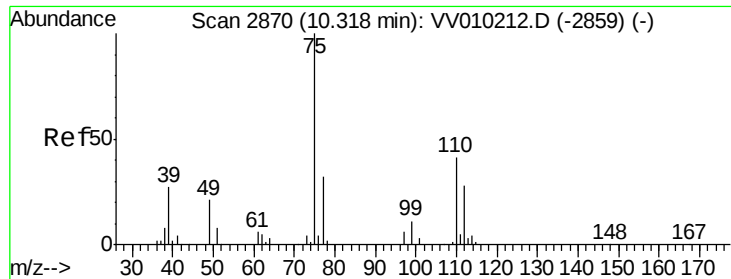
Tgt Ion: 83 Resp: 12708
Ion Ratio Lower Upper
83 100
85 19.4 45.4 84.2#



#42
cis-1,3-Dichloropropene
Concen: 0.812 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.04 min
Lab File: VV010221.D
Acq: 10 Apr 2019 20:32

Tgt Ion: 75 Resp: 4342
Ion Ratio Lower Upper
75 100
77 45.7 21.9 40.7#





#59

1,2,3-Trichloropropane
 Concen: 5.894 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV010221.D
 Acq: 10 Apr 2019 20:32

Tgt Ion: 75 Resp: 16055
 Ion Ratio Lower Upper
 75 100
 77 34.7 26.9 40.3

