

Data File : VV010220.D
Acq On : 10 Apr 2019 20:06
Operator : SY/MD
Sample : K2148-23
Misc : 5.10G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 11 07:11:07 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	290561	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	281968	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	130957	25.00	ug/L	0.00

System Monitoring Compounds

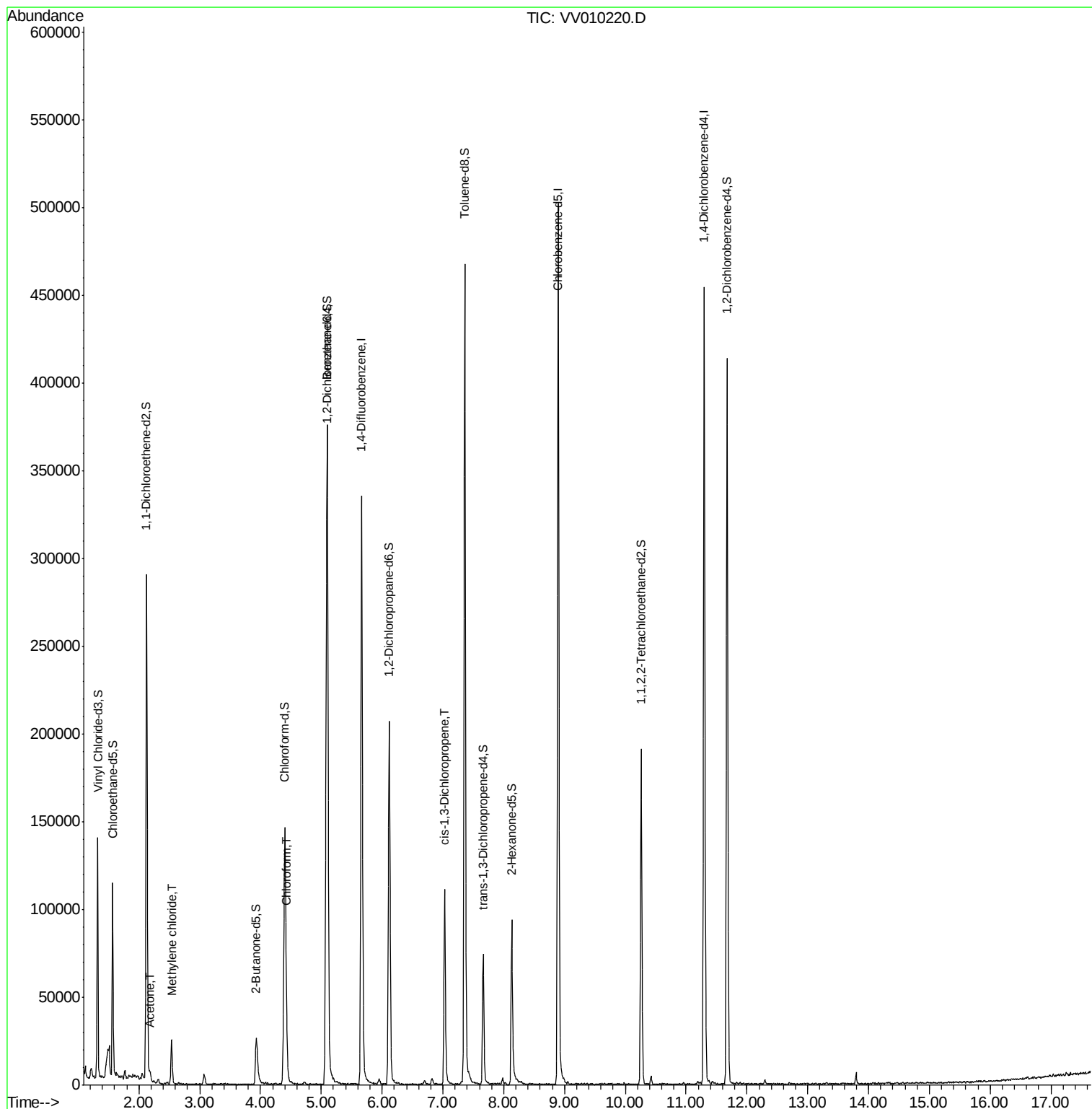
4) Vinyl Chloride-d3	1.32	65	74764	22.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.40%
7) Chloroethane-d5	1.57	69	67994	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.60%
10) 1,1-Dichloroethene-d2	2.13	63	146835	17.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.00%
20) 2-Butanone-d5	3.93	46	41274	48.76	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.52%
24) Chloroform-d	4.40	84	143968	21.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.80%
26) 1,2-Dichloroethane-d4	5.08	65	90571	23.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.88%
29) Benzene-d6	5.10	84	325836	23.97	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.88%
33) 1,2-Dichloropropane-d6	6.12	67	97117	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	7.36	98	317024	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.64%
38) trans-1,3-Dichloropropene-	7.66	79	38423	22.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.16%
39) 2-Hexanone-d5	8.13	63	29911	42.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.64%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	85664	23.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.40%
61) 1,2-Dichlorobenzene-d4	11.68	152	114397	23.65	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.60%

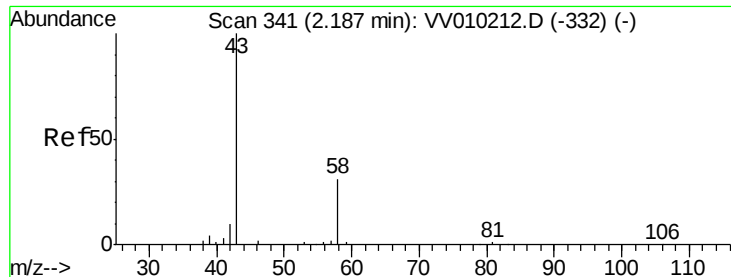
Target Compounds					Qvalue
13) Acetone	2.19	43	2173	2.403 ug/L	65
16) Methylene chloride	2.53	84	10643	1.870 ug/L	94
25) Chloroform	4.43	83	13791	1.938 ug/L	80
42) cis-1,3-Dichloropropene	7.03	75	3327	0.628 ug/L #	66

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

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#13

Acetone

Concen: 2.403 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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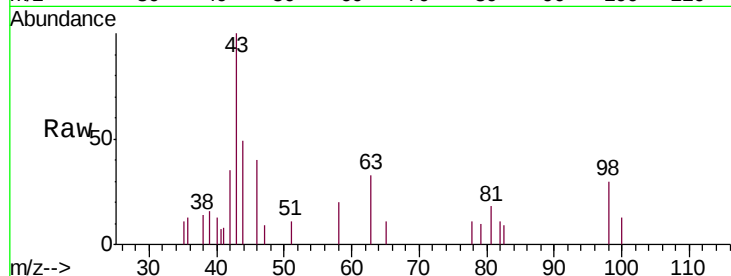
Acq: 10 Apr 2019 20:06

Tgt Ion: 43 Resp: 2173

Ion Ratio Lower Upper

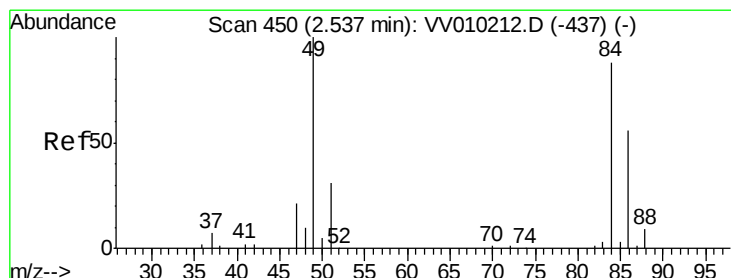
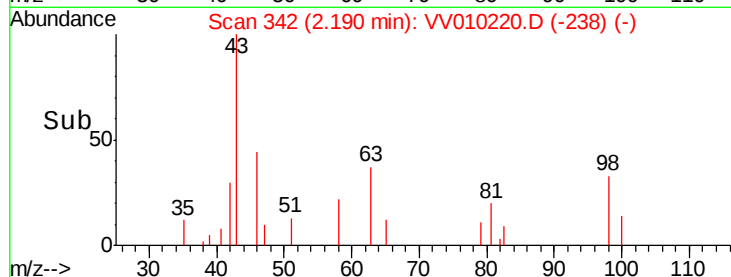
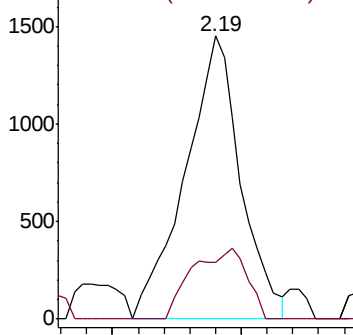
43 100

58 11.8 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#16

Methylene chloride

Concen: 1.870 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV010220.D

Acq: 10 Apr 2019 20:06

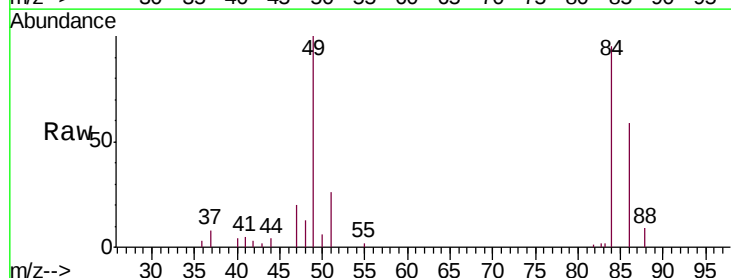
Tgt Ion: 84 Resp: 10643

Ion Ratio Lower Upper

84 100

49 105.0 79.9 148.5

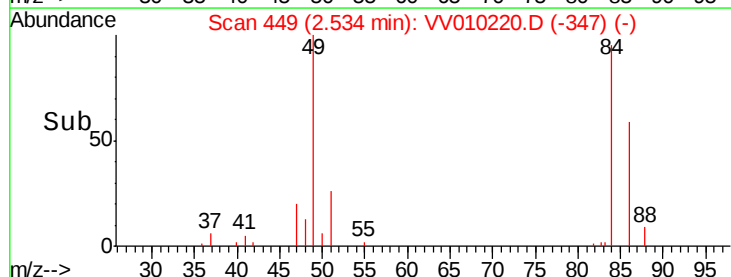
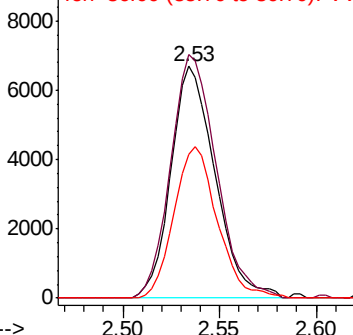
86 62.2 44.5 82.7

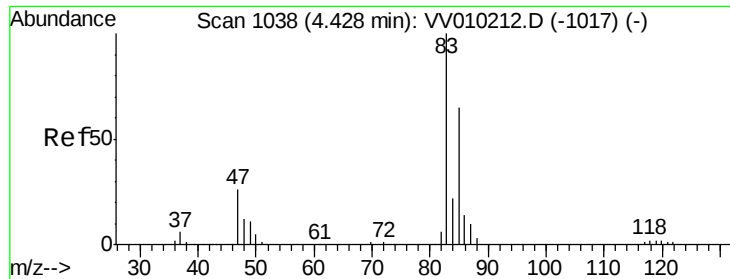


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#25

Chloroform

Concen: 1.938 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.00 min

Lab File: VV010220.D

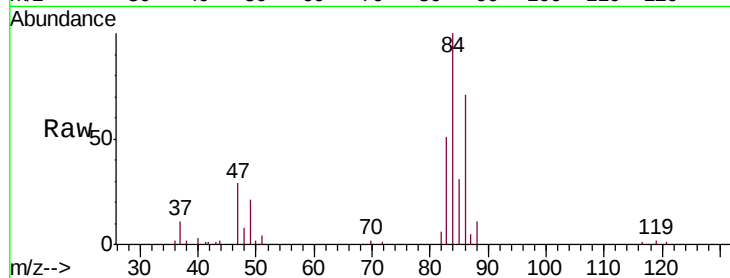
Acq: 10 Apr 2019 20:06

Tgt Ion: 83 Resp: 13791

Ion Ratio Lower Upper

83 100

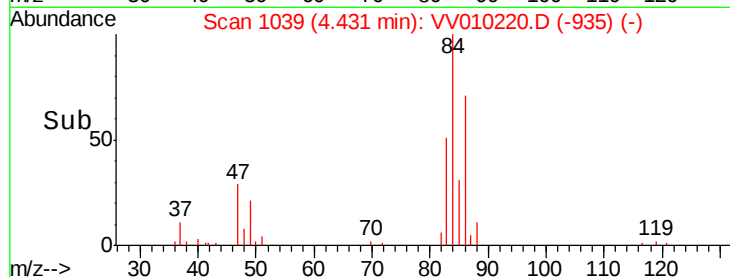
85 49.0 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VV010220.D (-935) (-)

Ion 85.00 (84.70 to 85.70): VV010220.D (-935) (-)

4.43



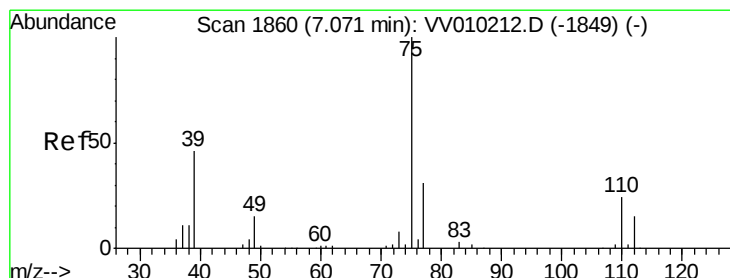
4.43

4.43

4.43

4.43

4.43



#42

cis-1,3-Dichloropropene

Concen: 0.628 ug/L

RT: 7.03 min Scan# 1846

Delta R.T. -0.04 min

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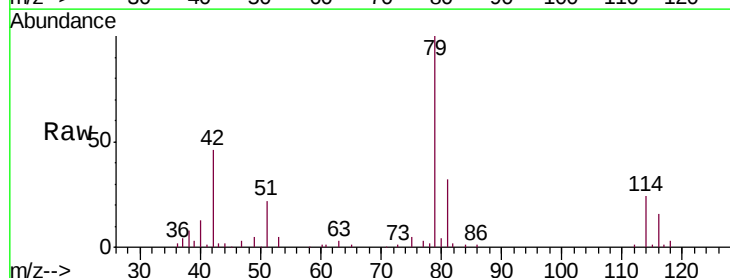
Acq: 10 Apr 2019 20:06

Tgt Ion: 75 Resp: 3327

Ion Ratio Lower Upper

75 100

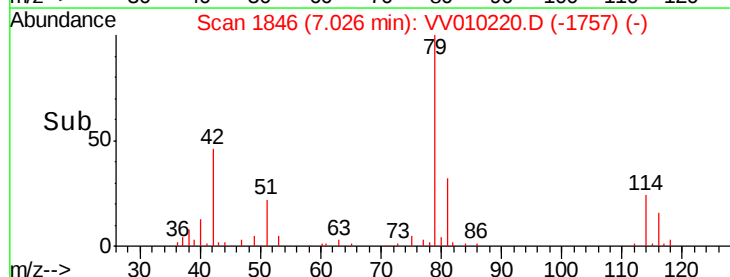
77 50.2 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VV010220.D (-1757) (-)

Ion 77.00 (76.70 to 77.70): VV010220.D (-1757) (-)

7.03



7.03

7.03

7.03

7.03

7.03