

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052919\
 Data File : VV011119.D
 Acq On : 29 May 2019 22:49
 Operator : SY/MD
 Sample : K3017-09
 Misc : 2.75G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A51E2

Quant Time: May 31 11:30:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052819S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 04:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	302035	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	184133	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	35624	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	106844	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.20%
7) Chloroethane-d5	1.56	69	85098	28.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.16%
10) 1,1-Dichloroethene-d2	2.12	63	161036	20.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.64%
20) 2-Butanone-d5	3.94	46	77970	54.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.26%
24) Chloroform-d	4.40	84	196706	26.86	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.44%
26) 1,2-Dichloroethane-d4	5.08	65	117266	25.04	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.16%
29) Benzene-d6	5.09	84	395358	36.67	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	146.68%#
33) 1,2-Dichloropropane-d6	6.12	67	127294	37.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	148.44%#
37) Toluene-d8	7.36	98	295304	29.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	118.84%
38) trans-1,3-Dichloropropene-	7.66	79	44445	27.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	111.24%
39) 2-Hexanone-d5	8.13	63	56501	75.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	151.22%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62419	21.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	28424	20.18	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.72%

Target Compounds

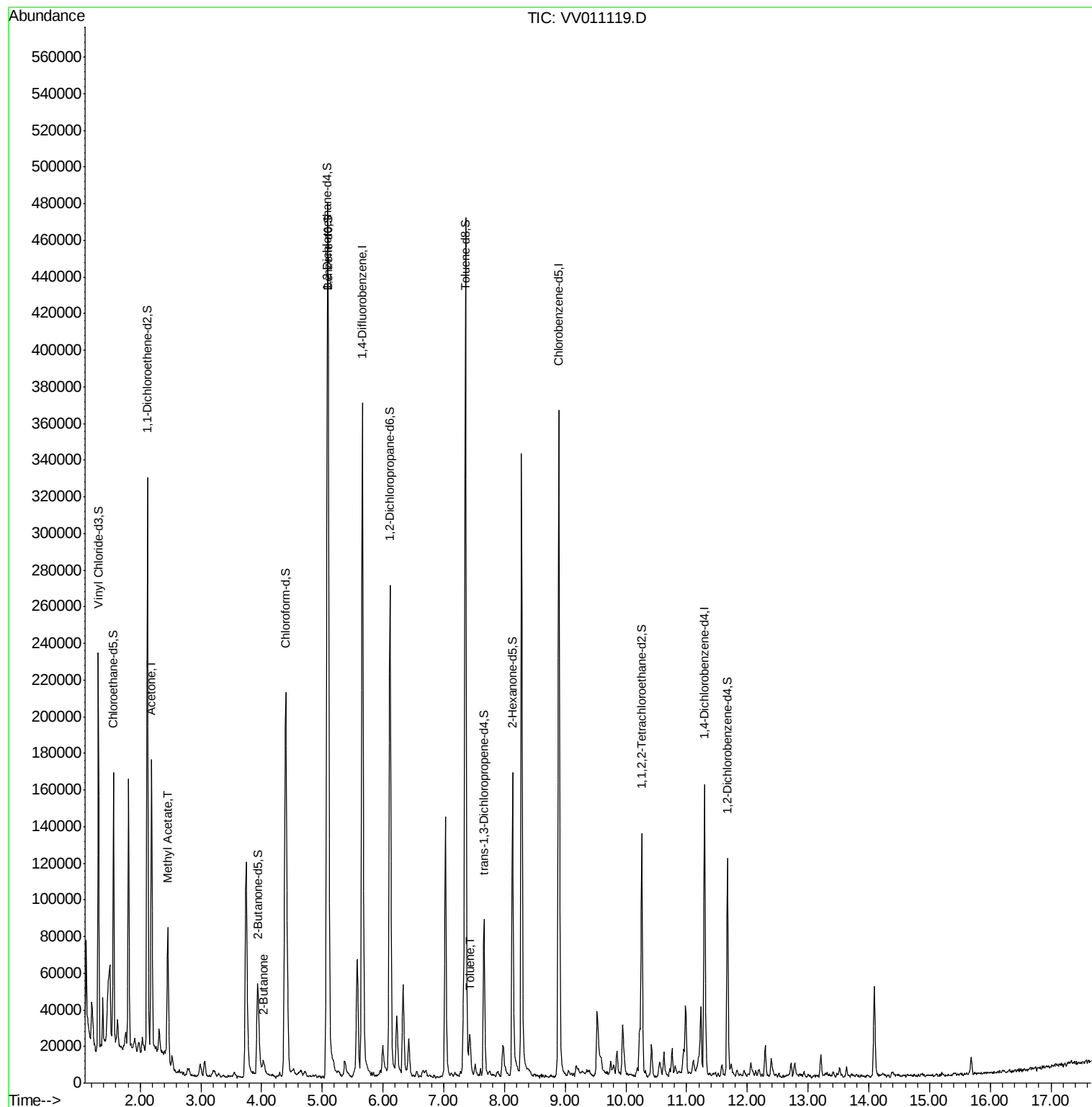
					Ovalue
13) Acetone	2.19	43	150495	93.080 ug/L	99
15) Methyl Acetate	2.45	43	74419	31.888 ug/L #	100
21) 2-Butanone	4.03	43	11912	5.982 ug/L	79
44) Toluene	7.43	91	12942	1.069 ug/L	100

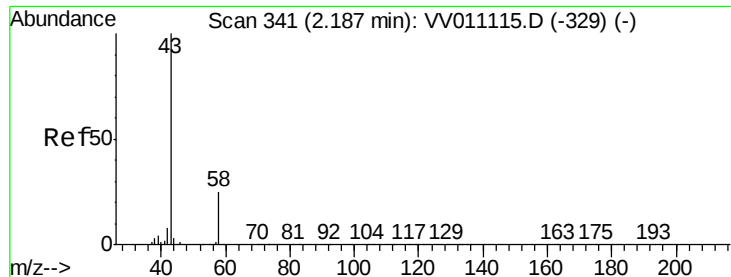
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 93.080 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV011119.D

Acq: 29 May 2019 22:49

Instrument :

MSVOA_V

ClientSampleId :

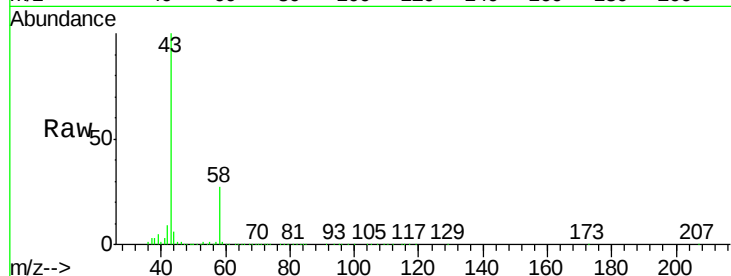
A51E2

Tot Ion: 43 Resp: 150495

Ion Ratio Lower Upper

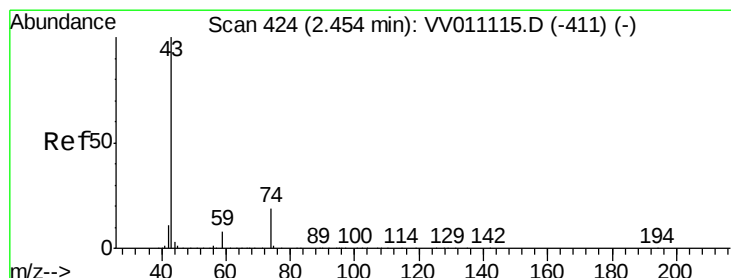
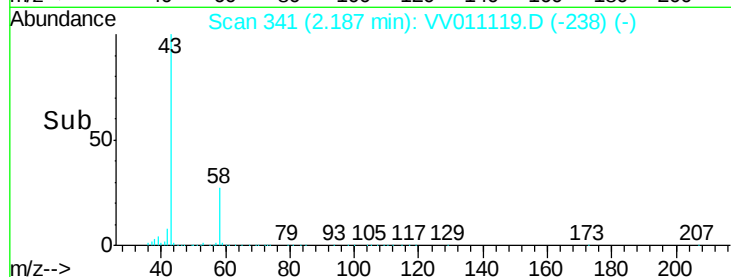
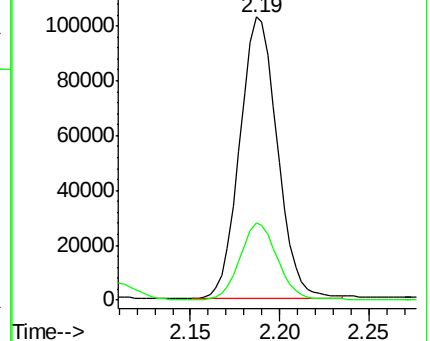
43 100

58 26.9 0.0 54.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#15

Methyl Acetate

Concen: 31.888 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.00 min

Lab File: VV011119.D

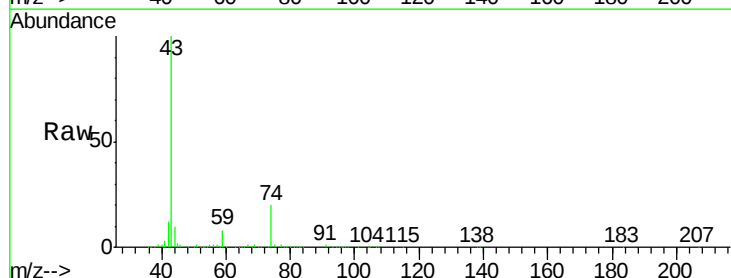
Acq: 29 May 2019 22:49

Tgt Ion: 43 Resp: 74419

Ion Ratio Lower Upper

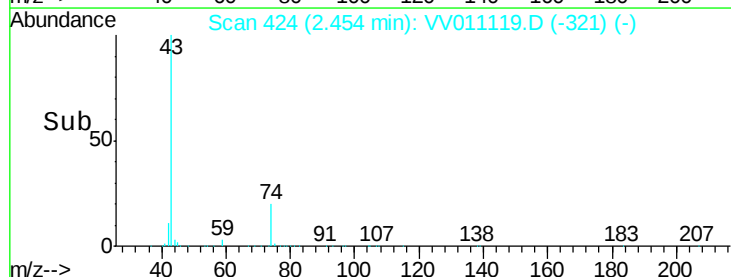
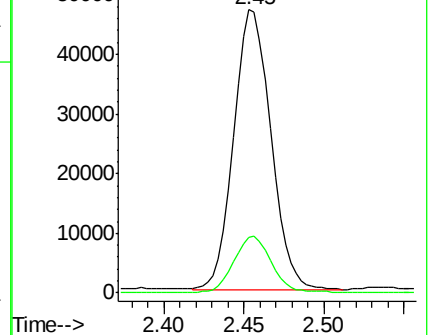
43 100

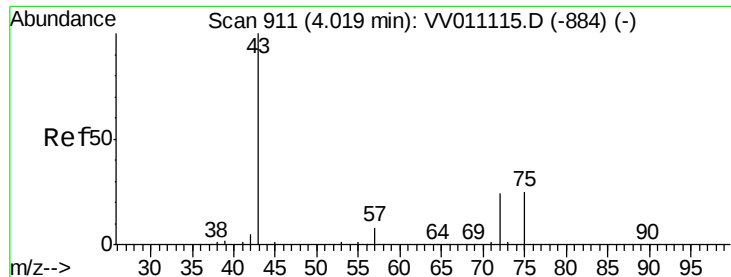
74 20.5 0.0 0.0#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0





#21

2-Butanone

Concen: 5.982 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV011119.D

Acq: 29 May 2019 22:49

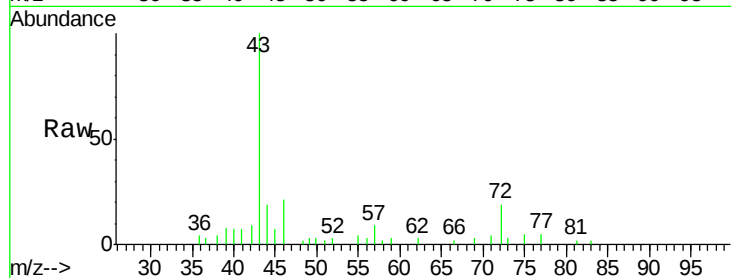
Instrument :
MSVOA_V
ClientSampleId :
A51E2

Tot Ion: 43 Resp: 11912

Ion Ratio Lower Upper

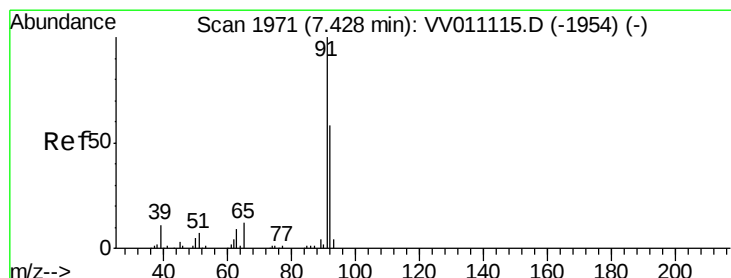
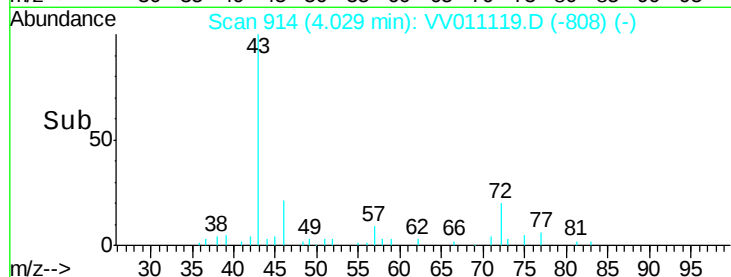
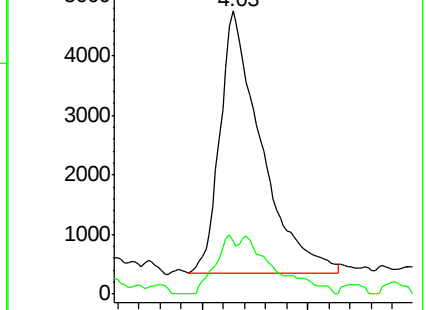
43 100

72 11.2 10.7 31.9



Abundance Ion 43.00 (42.70 to 43.70): VV011119.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV011119.D (-808) (-)



#44

Toluene

Concen: 1.069 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011119.D

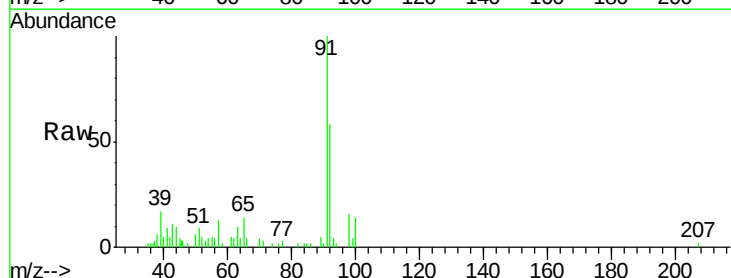
Acq: 29 May 2019 22:49

Tgt Ion: 91 Resp: 12942

Ion Ratio Lower Upper

91 100

92 58.5 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV011119.D (-1868) (-)

Ion 92.00 (91.70 to 92.70): VV011119.D (-1868) (-)

