

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091919\
 Data File : VU034668.D
 Acq On : 19 Sep 2019 23:46
 Operator : JC/SP
 Sample : K4895-14
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDG0

Quant Time: Sep 20 05:51:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 20 04:02:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	489671	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	466197	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	207422	50.00	ug/L	0.00

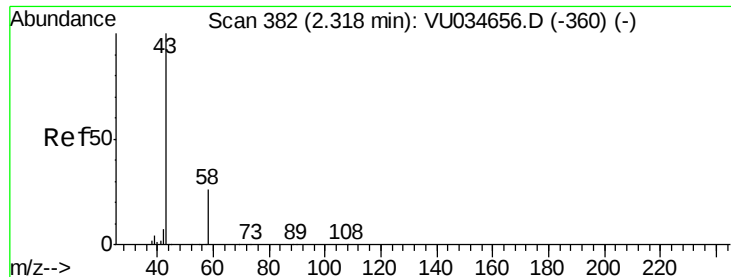
System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	224206	44.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.46%
7) Chloroethane-d5	1.67	69	183667	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.82%
11) 1,1-Dichloroethene-d2	2.26	63	298812	35.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.40%
21) 2-Butanone-d5	4.15	46	409675	106.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.63%
24) Chloroform-d	4.62	84	347713	47.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.42%
26) 1,2-Dichloroethane-d4	5.29	65	252830	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.38%
32) Benzene-d6	5.32	84	703030	48.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.30%
36) 1,2-Dichloropropane-d6	6.31	67	246681	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.68%
41) Toluene-d8	7.54	98	672444	48.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.82%
43) trans-1,3-Dichloropropene-	7.83	79	111988	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.60%
47) 2-Hexanone-d5	8.29	63	251390	99.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.10%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	330400	47.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.30%
64) 1,2-Dichlorobenzene-d4	11.84	152	213929	49.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.36%

Target Compounds

					Ovalue
13) Acetone	2.31	43	305729	68.408	ug/L 99
15) Methyl Acetate	2.61	43	5823	0.975	ug/L 94
16) Methylene chloride	2.69	84	4986	1.229	ug/L 91
22) 2-Butanone	4.24	43	105874	19.913	ug/L 98
51) Chlorobenzene	9.10	112	1480055	139.334	ug/L 98
63) 1,4-Dichlorobenzene	11.48	146	13412	1.833	ug/L 96
65) 1,2-Dichlorobenzene	11.85	146	17155	2.364	ug/L 88

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



#13

Acetone

Concen: 68.408 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

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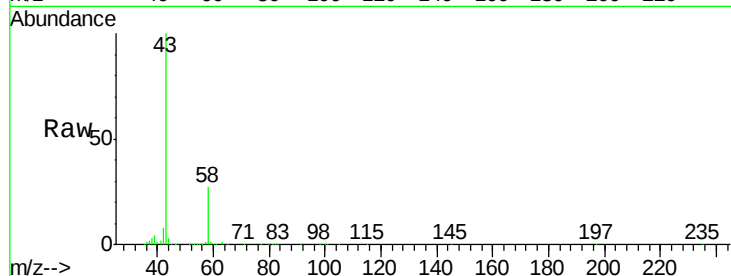
BFDG0

Tot Ion: 43 Resp: 305729

Ion Ratio Lower Upper

43 100

58 26.3 0.0 53.4



Abundance Ion 43.00 (42.70 to 43.70): VU034668.D (-378) (-)

Ion 58.00 (57.70 to 58.70): VU034668.D (-378) (-)

2.31

200000

150000

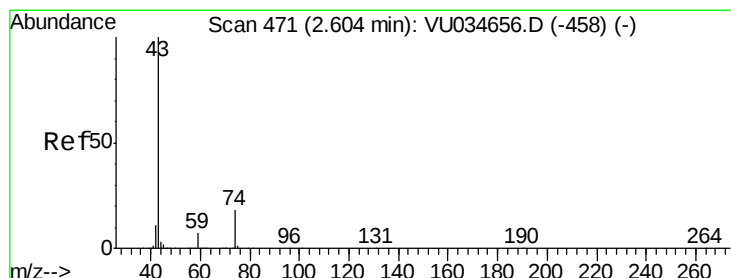
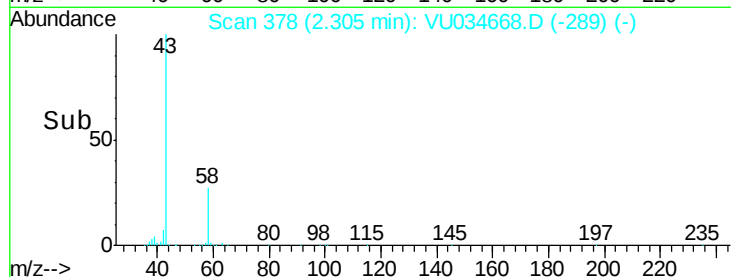
100000

50000

0

2.25 2.30 2.35

Time-->



#15

Methyl Acetate

Concen: 0.975 ug/L

RT: 2.61 min Scan# 472

Delta R.T. 0.00 min

Lab File: VU034668.D

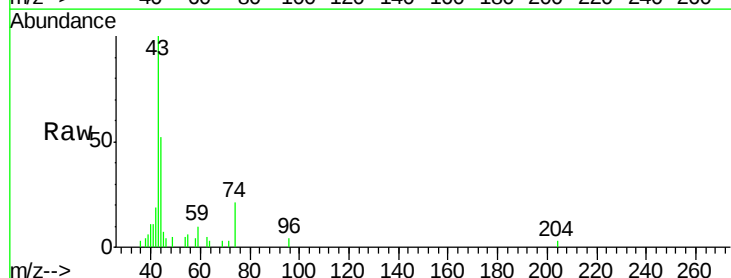
Acq: 19 Sep 2019 23:46

Tgt Ion: 43 Resp: 5823

Ion Ratio Lower Upper

43 100

74 15.2 14.4 21.6



Abundance Ion 43.00 (42.70 to 43.70): VU034668.D (-378) (-)

Ion 74.00 (73.70 to 74.70): VU034668.D (-378) (-)

2.61

4000

3000

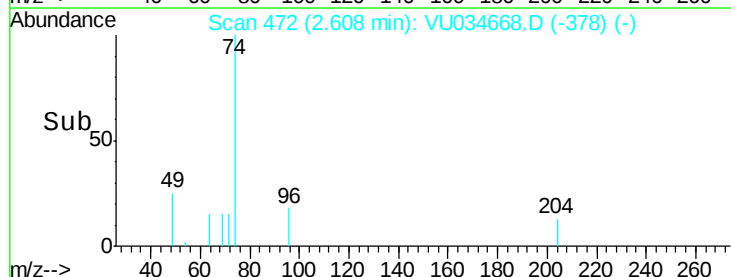
2000

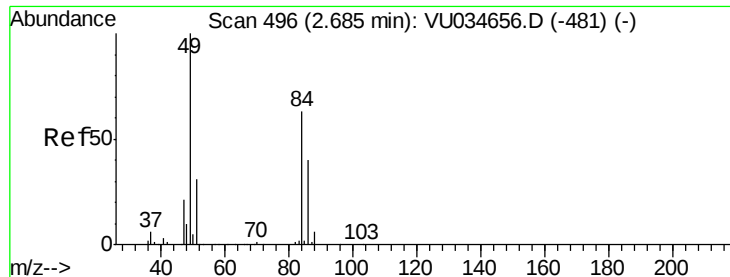
1000

0

2.55 2.60 2.65

Time-->

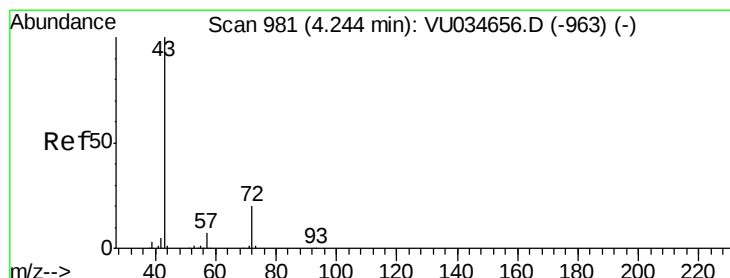
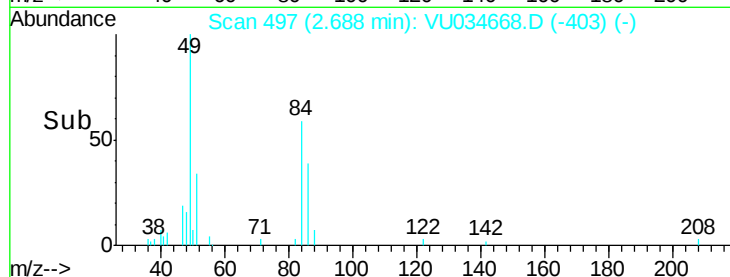
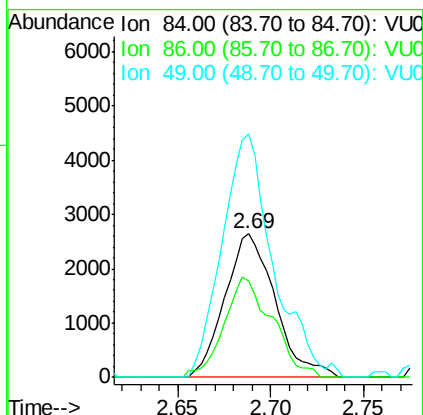
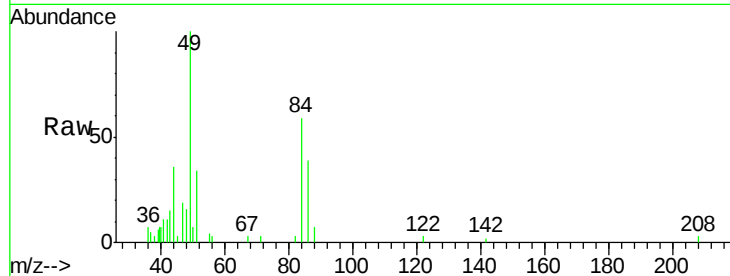




#16
Methvlene chloride
Concen: 1.229 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

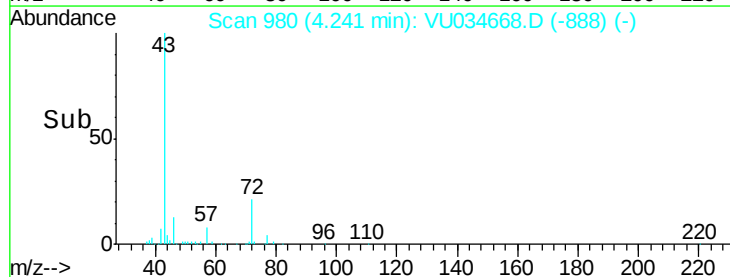
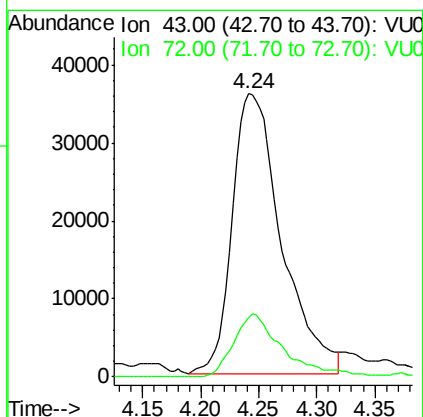
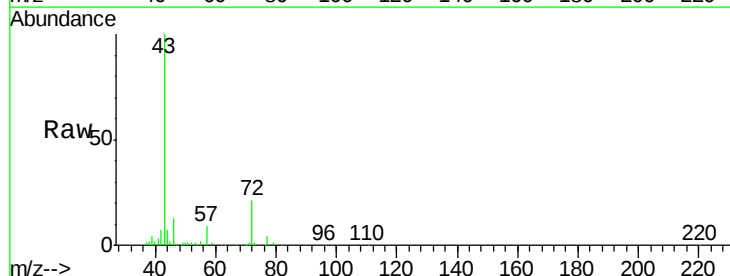
Instrument :
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BFDG0

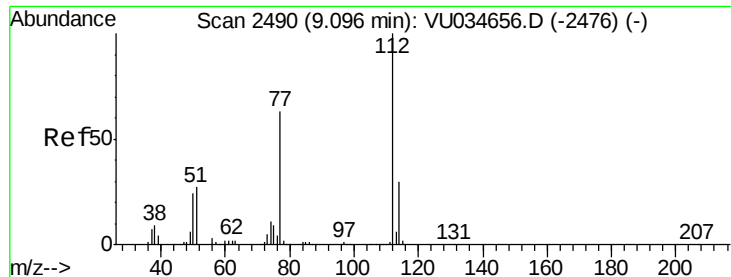
Tot Ion: 84 Resp: 4986
Ion Ratio Lower Upper
84 100
86 66.9 43.0 80.0
49 169.6 109.7 203.7



#22
2-Butanone
Concen: 19.913 ug/L
RT: 4.24 min Scan# 980
Delta R.T. -0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

Tgt Ion: 43 Resp: 105874
Ion Ratio Lower Upper
43 100
72 21.5 10.2 30.6

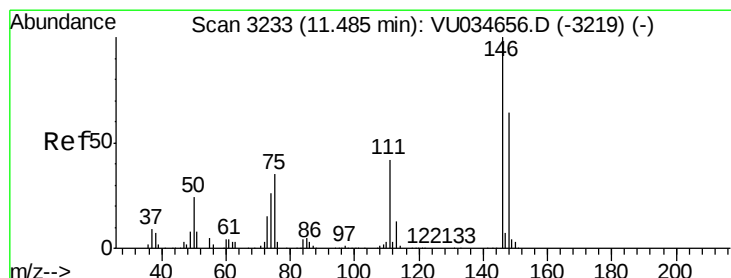
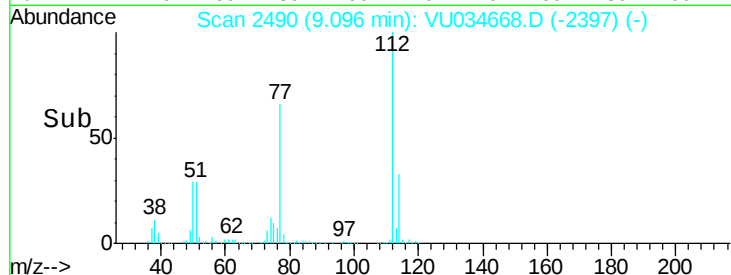
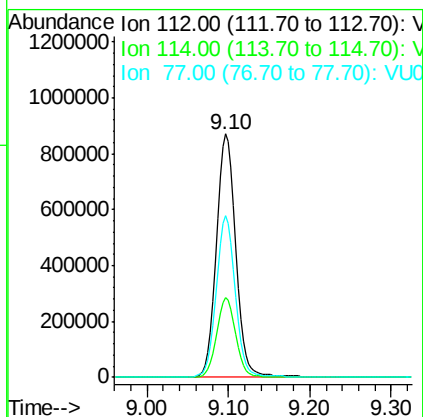
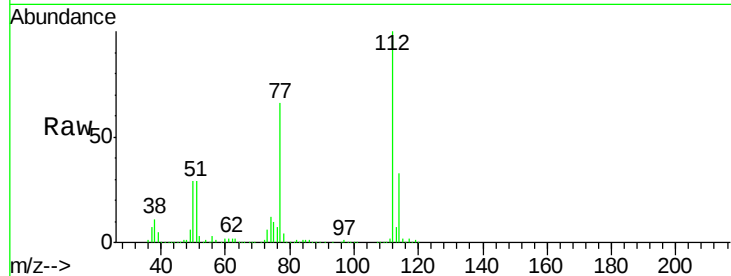




#51
Chlorobenzene
Concen: 139.334 ug/L
RT: 9.10 min Scan# 2490
Delta R.T. 0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

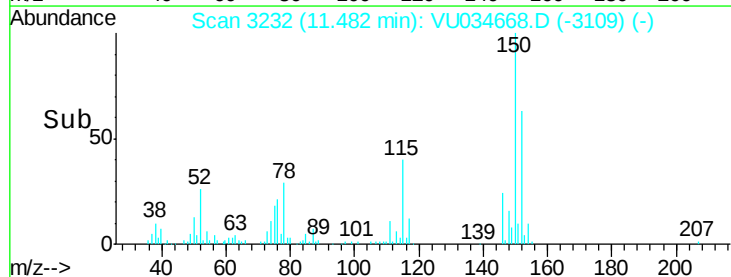
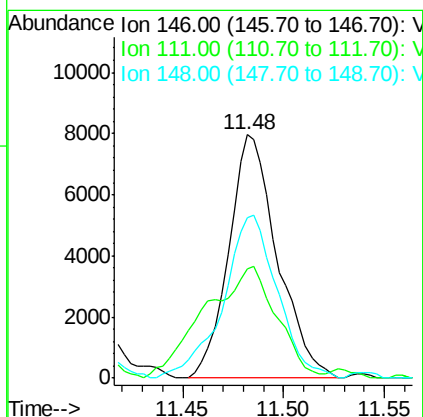
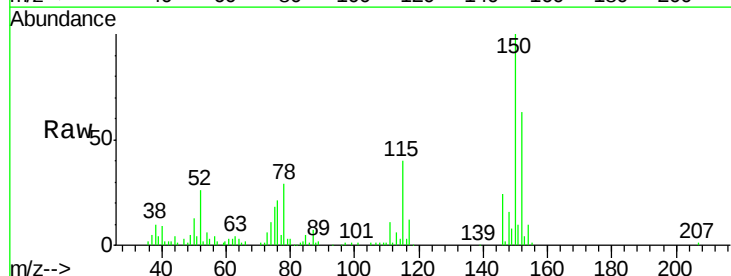
Instrument :
MSVOA_U
ClientSampleId :
BFDG0

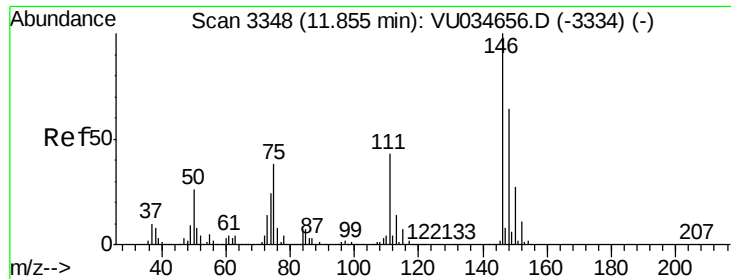
Tot Ion:112 Resp: 1480055
Ion Ratio Lower Upper
112 100
114 32.9 22.8 42.4
77 66.3 51.5 77.3



#63
1,4-Dichlorobenzene
Concen: 1.833 ug/L
RT: 11.48 min Scan# 3232
Delta R.T. -0.00 min
Lab File: VU034668.D
Acq: 19 Sep 2019 23:46

Tgt Ion:146 Resp: 13412
Ion Ratio Lower Upper
146 100
111 45.1 29.5 54.9
148 66.0 44.4 82.4





#65

1,2-Dichlorobenzene

Concen: 2.364 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034668.D

Acq: 19 Sep 2019 23:46

Instrument :

MSVOA_U

ClientSampleId :

BFDG0

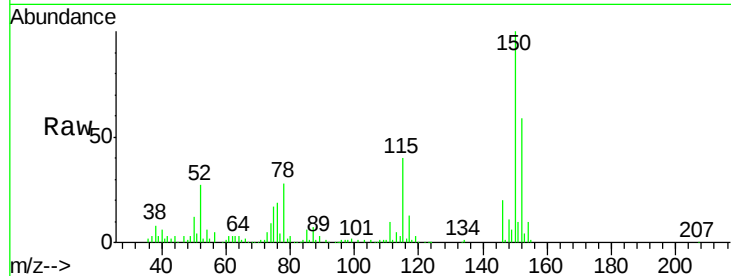
Tot Ion:146 Resp: 17155

Ion Ratio Lower Upper

146 100

111 48.1 35.2 52.8

148 53.8 53.0 79.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

