

Data File : VU033311.D
Acq On : 18 Jul 2019 12:06
Operator : JC/SP
Sample : K3846-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A52S3

Quant Time: Jul 19 03:40:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071219WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 19 01:43:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	340035	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	320788	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	152728	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	153941	59.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	119.60%
7) Chloroethane-d5	1.67	69	130318	59.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	118.52%
11) 1,1-Dichloroethene-d2	2.26	63	195968	41.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.94%
21) 2-Butanone-d5	4.15	46	191477	117.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	117.40%
24) Chloroform-d	4.62	84	237790	55.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.24%
26) 1,2-Dichloroethane-d4	5.29	65	155212	56.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	112.20%
32) Benzene-d6	5.32	84	494093	62.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.58%#
36) 1,2-Dichloropropane-d6	6.31	67	156269	61.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	123.98%#
41) Toluene-d8	7.55	98	450554	60.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	121.42%#
43) trans-1,3-Dichloropropene-	7.83	79	75415	61.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	122.02%
47) 2-Hexanone-d5	8.29	63	142681	125.55	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	125.55%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	217121	56.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	113.82%
64) 1,2-Dichlorobenzene-d4	11.85	152	171970	63.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	126.28%#

Target Compounds

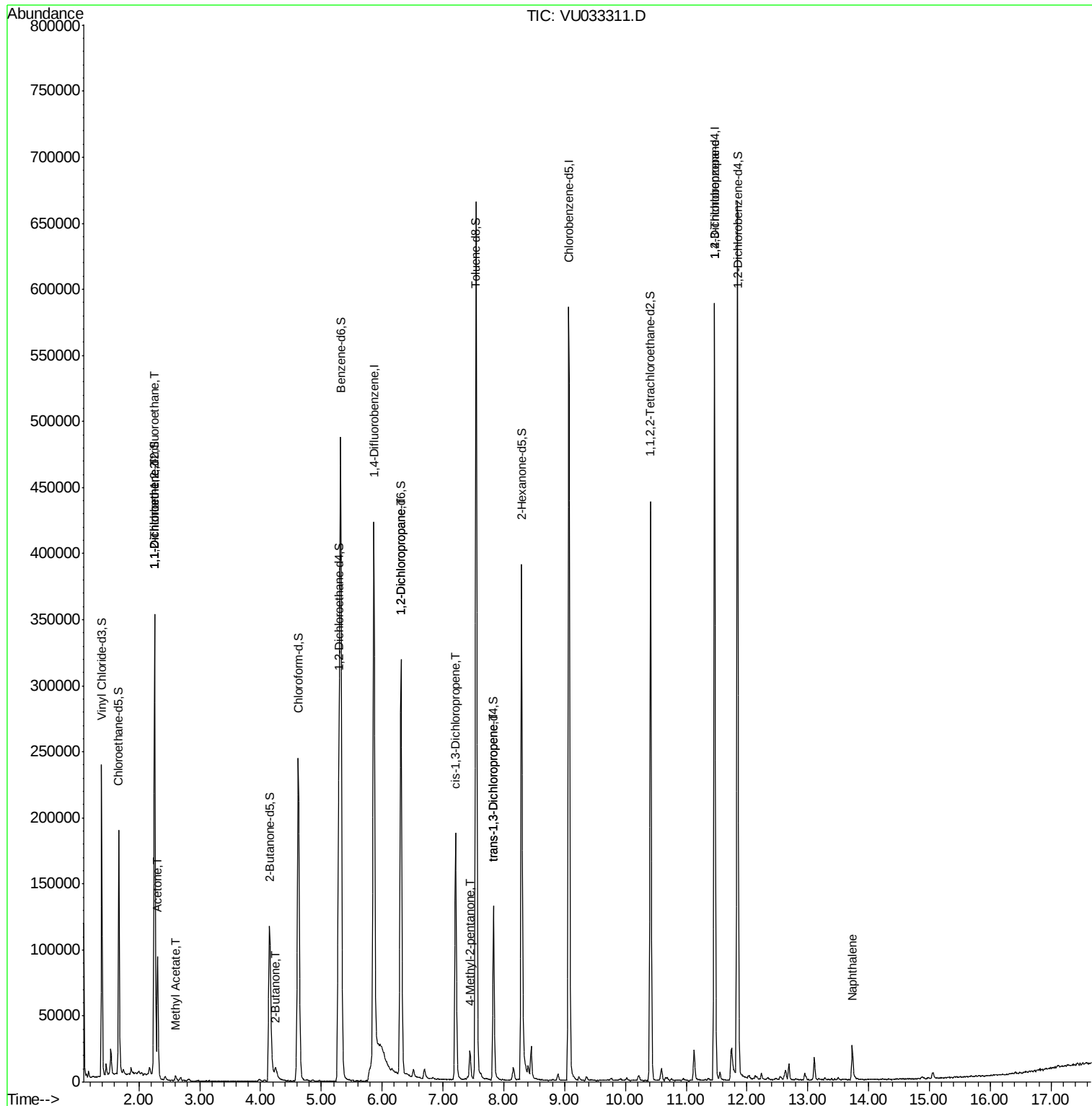
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1732	0.747 ug/L #	21
12) 1,1-Dichloroethene	2.26	96	1559	0.687 ug/L #	1
13) Acetone	2.31	43	92606	45.444 ug/L	100
15) Methyl Acetate	2.60	43	4725	1.776 ug/L	96
22) 2-Butanone	4.25	43	13704	6.054 ug/L	100
37) 1,2-Dichloropropane	6.31	63	16980	6.693 ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	4896	1.259 ug/L #	69
40) 4-Methyl-2-pentanone	7.44	43	15077	4.430 ug/L	97
44) trans-1,3-Dichloropropene	7.83	75	3427	0.977 ug/L #	75
59) 1,2,3-Trichloropropane	11.47	75	18022	5.457 ug/L	91
69) Naphthalene	13.73	128	24527	2.578 ug/L	98

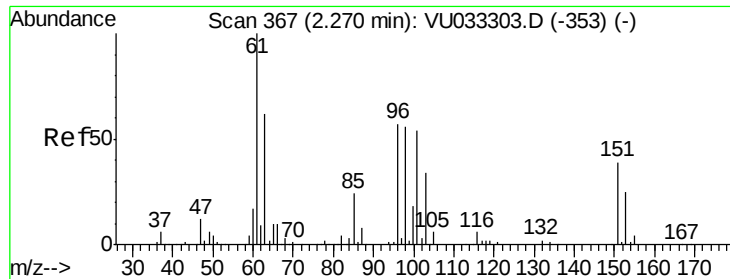
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.747 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033311.D

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Instrument :

MSVOA_U

ClientSampleId :

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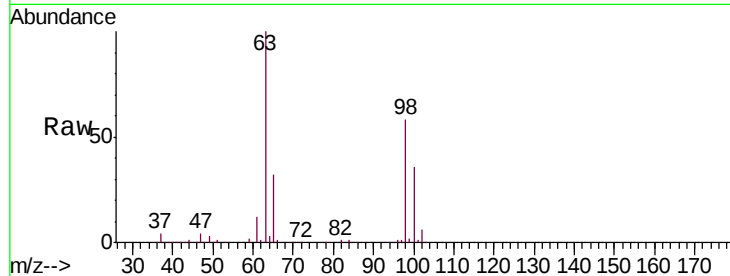
Tgt Ion:101 Resp: 1732

Ion Ratio Lower Upper

101 100

85 0.0 35.8 53.8#

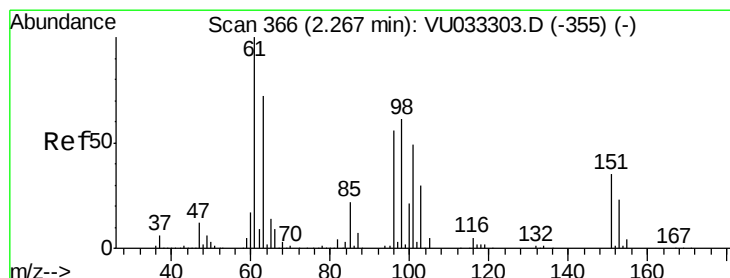
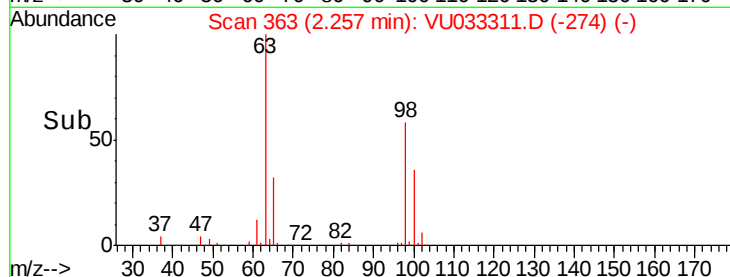
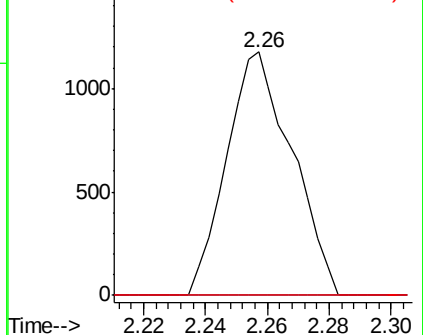
151 0.0 56.7 85.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.687 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.01 min

Lab File: VU033311.D

Acq: 18 Jul 2019 12:06

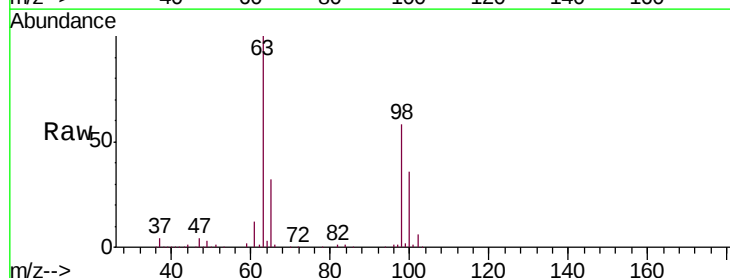
Tgt Ion: 96 Resp: 1559

Ion Ratio Lower Upper

96 100

61 1606.9 126.1 234.1#

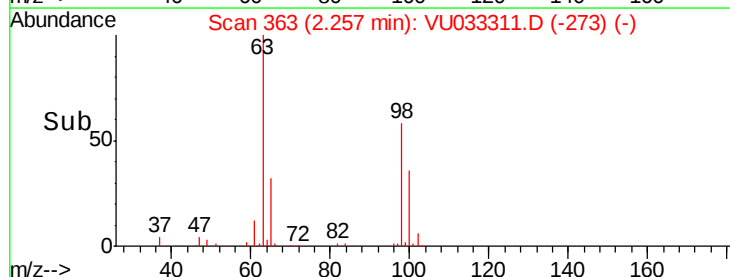
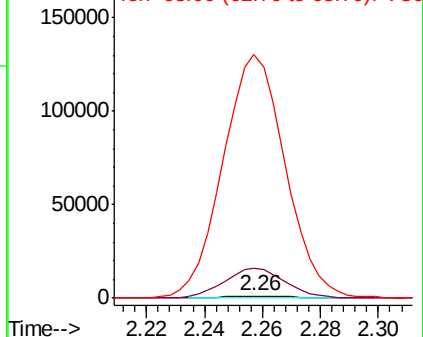
63 13077.6 96.8 179.8#

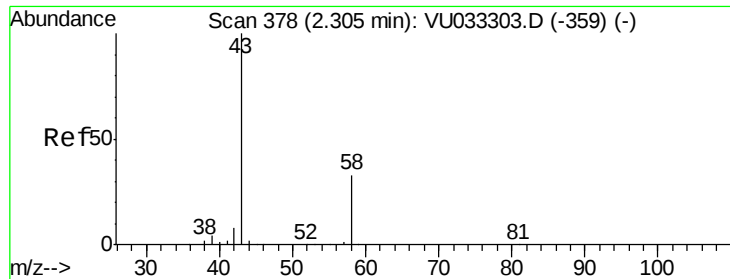


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 45.444 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VU033311.D

Acq: 18 Jul 2019 12:06

Instrument :

MSVOA_U

ClientSampleId :

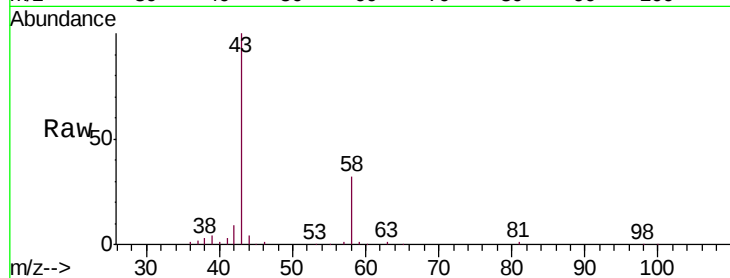
A52S3

Tgt Ion: 43 Resp: 92606

Ion Ratio Lower Upper

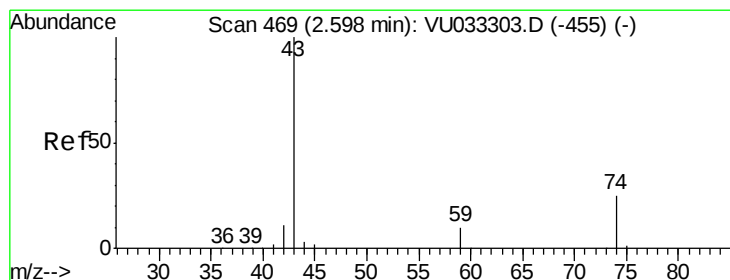
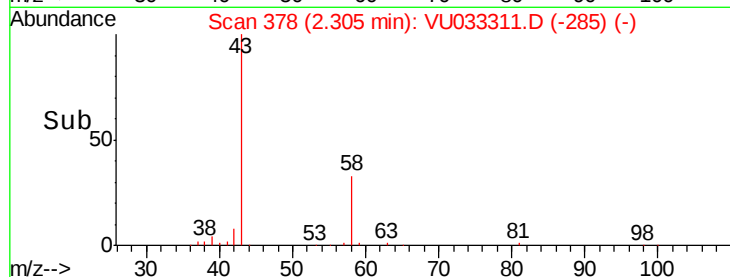
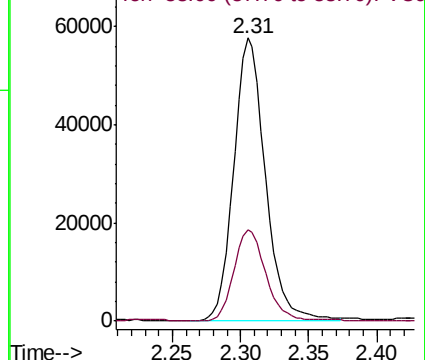
43 100

58 32.9 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VU033311.D (-285) (-)

Ion 58.00 (57.70 to 58.70): VU033311.D (-285) (-)



#15

Methyl Acetate

Concen: 1.776 ug/L

RT: 2.60 min Scan# 471

Delta R.T. 0.01 min

Lab File: VU033311.D

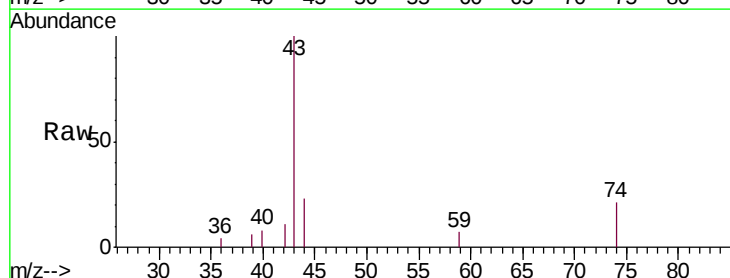
Acq: 18 Jul 2019 12:06

Tgt Ion: 43 Resp: 4725

Ion Ratio Lower Upper

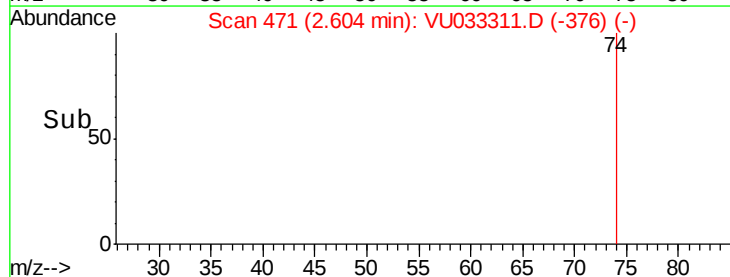
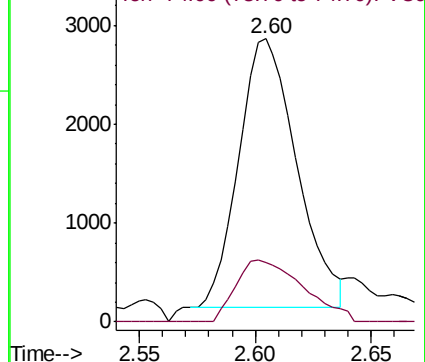
43 100

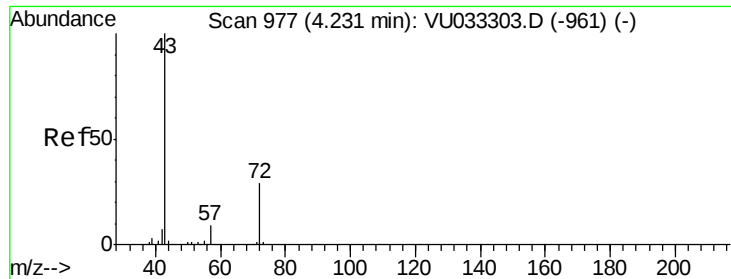
74 26.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VU033311.D (-376) (-)

Ion 74.00 (73.70 to 74.70): VU033311.D (-376) (-)

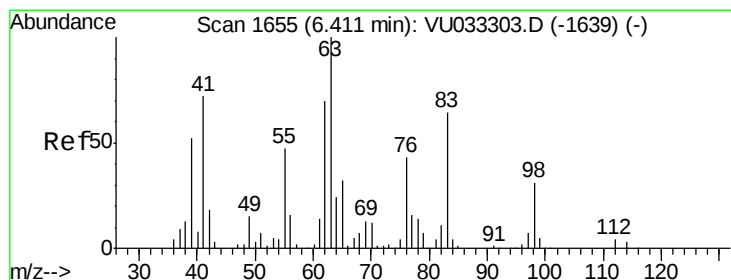
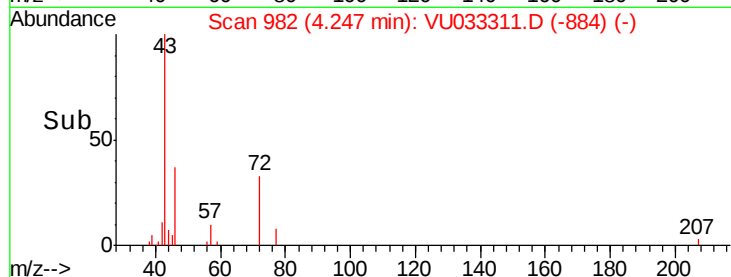
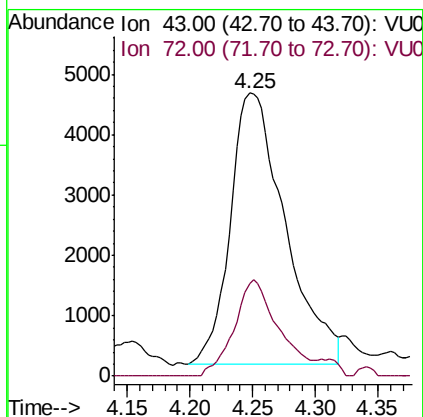
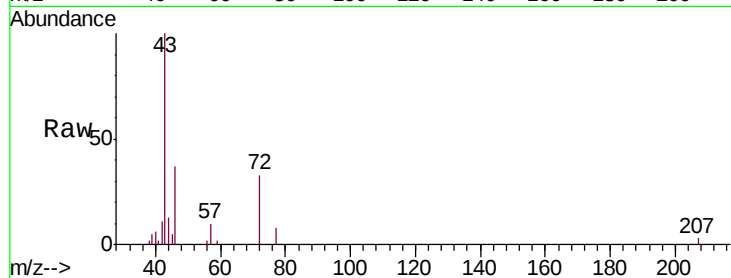




#22
2-Butanone
Concen: 6.054 ug/L
RT: 4.25 min Scan# 982
Delta R.T. 0.02 min
Lab File: VU033311.D
Acq: 18 Jul 2019 12:06

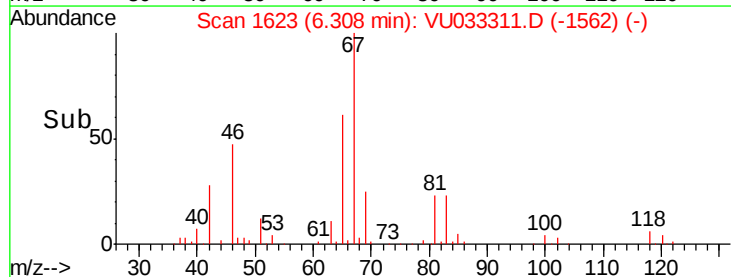
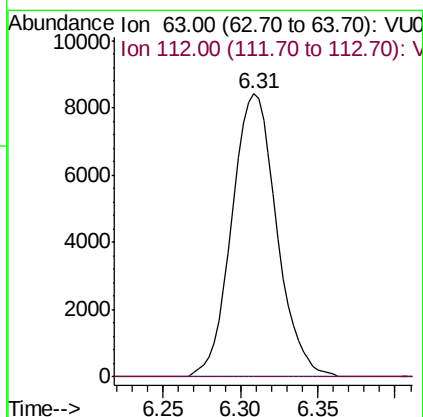
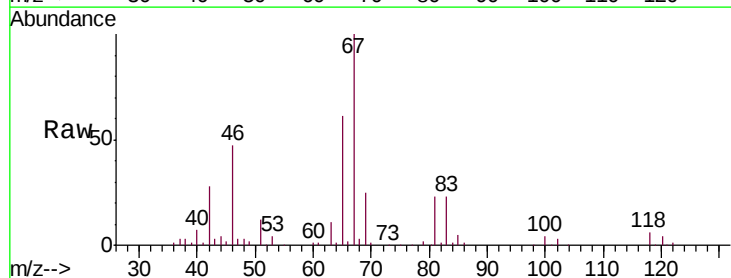
Instrument :
MSVOA_U
ClientSampled :
A52S3

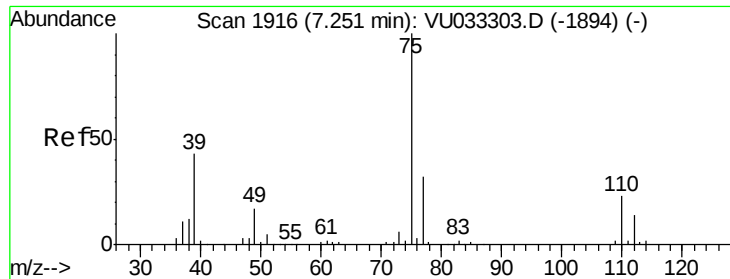
Tgt Ion: 43 Resp: 13704
Ion Ratio Lower Upper
43 100
72 28.9 14.4 43.2



#37
1,2-Dichloropropane
Concen: 6.693 ug/L
RT: 6.31 min Scan# 1623
Delta R.T. -0.10 min
Lab File: VU033311.D
Acq: 18 Jul 2019 12:06

Tgt Ion: 63 Resp: 16980
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

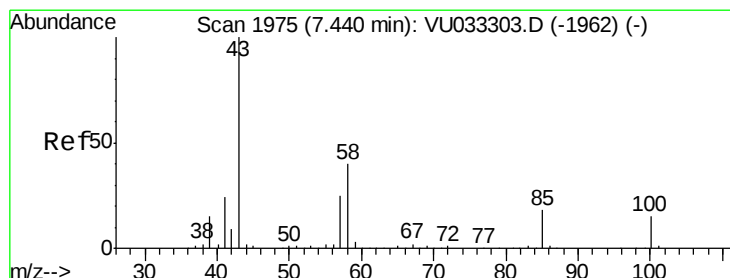
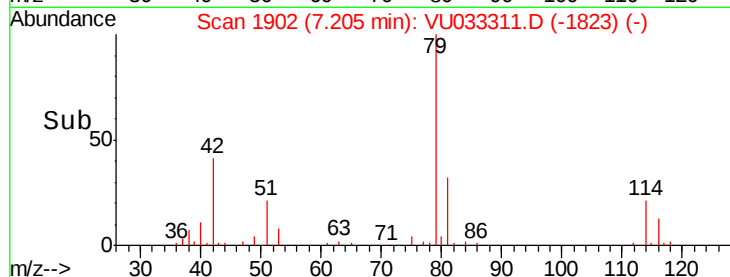
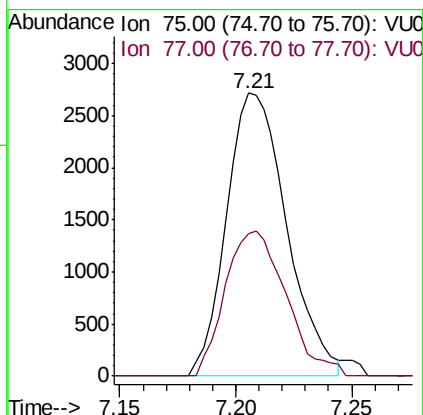
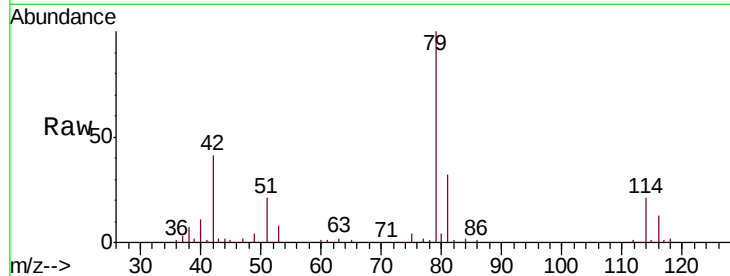




#39
 cis-1,3-Dichloropropene
 Concen: 1.259 ug/L
 RT: 7.21 min Scan# 1902
 Delta R.T. -0.05 min
 Lab File: VU033311.D
 Acq: 18 Jul 2019 12:06

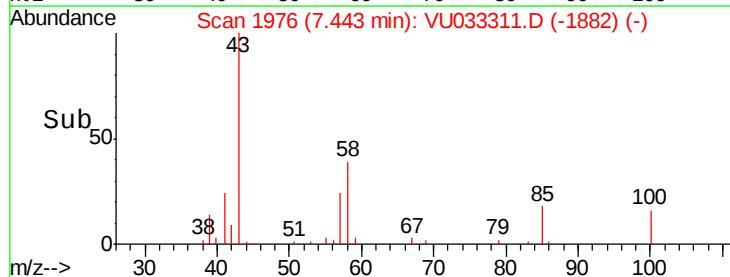
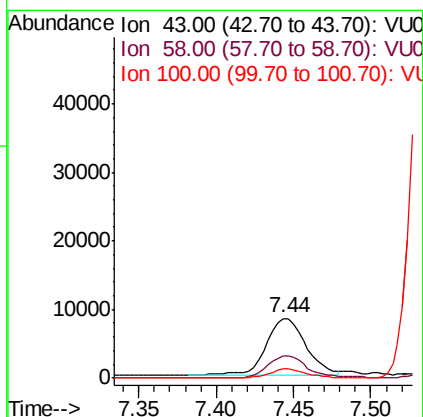
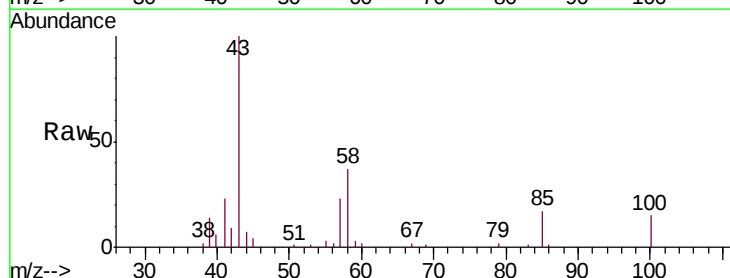
Instrument :
 MSVOA_U
 ClientSampleId :
 A52S3

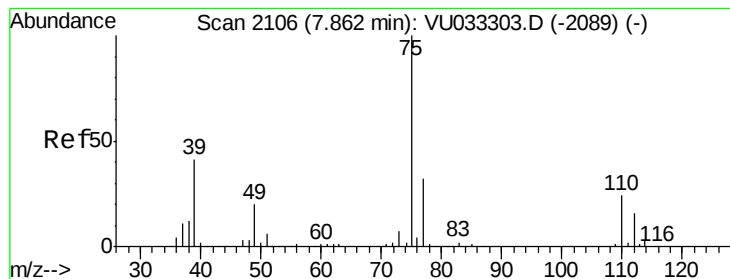
Tgt Ion: 75 Resp: 4896
 Ion Ratio Lower Upper
 75 100
 77 50.4 23.1 42.9#



#40
 4-Methyl-2-pentanone
 Concen: 4.430 ug/L
 RT: 7.44 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: VU033311.D
 Acq: 18 Jul 2019 12:06

Tgt Ion: 43 Resp: 15077
 Ion Ratio Lower Upper
 43 100
 58 39.1 33.3 49.9
 100 14.5 12.1 18.1





#44

trans-1,3-Dichloropropene

Concen: 0.977 ug/L

RT: 7.83 min Scan# 2097

Delta R.T. -0.03 min

Lab File: VU033311.D

Acq: 18 Jul 2019 12:06

Instrument :

MSVOA_U

ClientSampleId :

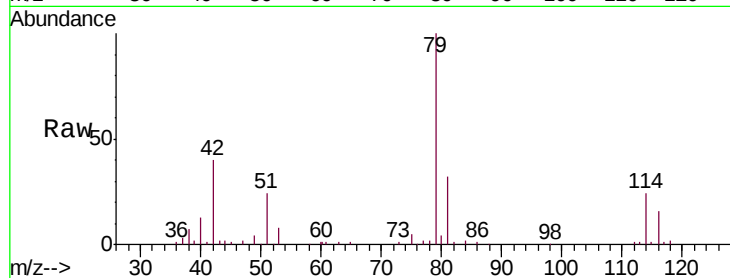
A52S3

Tgt Ion: 75 Resp: 3427

Ion Ratio Lower Upper

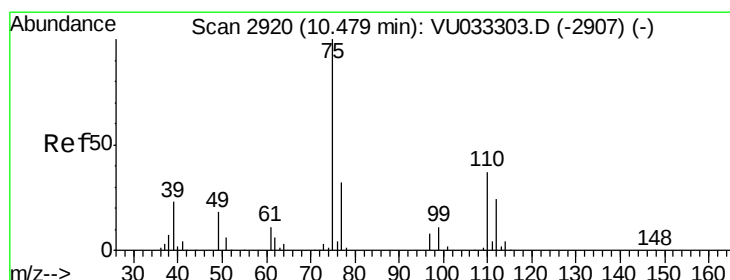
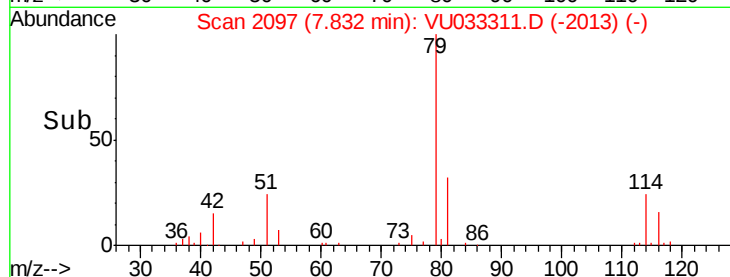
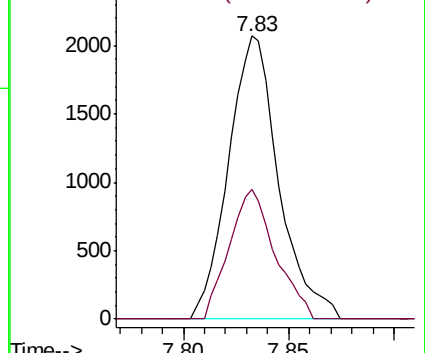
75 100

77 45.8 22.4 41.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 5.457 ug/L

RT: 11.47 min Scan# 3228

Delta R.T. 0.99 min

Lab File: VU033311.D

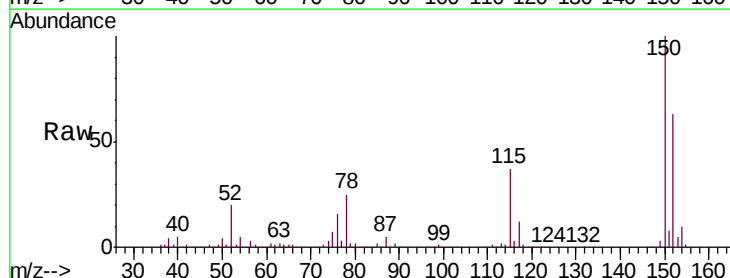
Acq: 18 Jul 2019 12:06

Tgt Ion: 75 Resp: 18022

Ion Ratio Lower Upper

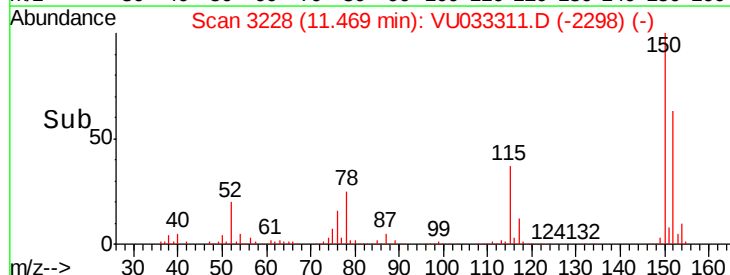
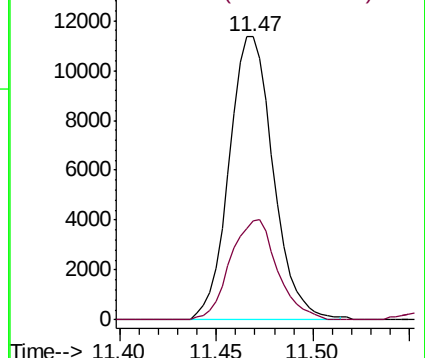
75 100

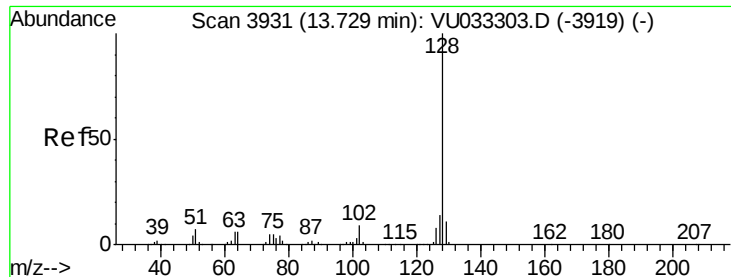
77 37.6 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 2.578 ug/L

RT: 13.73 min Scan# 3932

Delta R.T. 0.00 min

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Tgt Ion:128 Resp: 24527

Ion Ratio Lower Upper

128 100

127 12.0 10.8 16.2

129 11.2 8.7 13.1

