

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025390.D
 Acq On : 13 Jul 2018 13:40
 Operator : MD/SY
 Sample : J3937-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 13 14:44:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 13 14:43:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.76	114	42	50.00	ug/L	-0.13
28) Chlorobenzene-d5	0.00	117	0	0.00	ug/L	-9.09
60) 1,4-Dichlorobenzene-d4	11.58	152	65419	50.00	ug/L	0.10

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	50.000	Range	60 - 135	Recovery	=	0.00%#
7) Chloroethane-d5	0.00	69	0	0.00	ug/L	
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.00%#
11) 1,1-Dichloroethene-d2	0.00	63	0	0.00	ug/L	
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.00%#
21) 2-Butanone-d5	4.42	46	131	624.22	ug/L	0.24
Spiked Amount	100.000	Range	40 - 130	Recovery	=	624.22%#
24) Chloroform-d	4.63	84	66	122.73	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 125	Recovery	=	245.46%#
26) 1,2-Dichloroethane-d4	5.26	65	108	283.23	ug/L	-0.05
Spiked Amount	50.000	Range	70 - 125	Recovery	=	566.46%#
32) Benzene-d6	5.34	84	65	0.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.00%#
36) 1,2-Dichloropropane-d6	6.32	67	205	0.00	ug/L	-0.01
Spiked Amount	50.000	Range	70 - 120	Recovery	=	0.00%#
41) Toluene-d8	7.53	98	53	0.00	ug/L	-0.04
Spiked Amount	50.000	Range	80 - 120	Recovery	=	0.00%#
43) trans-1,3-Dichloropropene-	8.02	79	35120	0.00	ug/L	0.17
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.00%#
47) 2-Hexanone-d5	8.33	63	41	0.00	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.00%#
57) 1,1,2,2-Tetrachloroethane-	10.59	84	81595	0.00	ug/L	0.16
Spiked Amount	50.000	Range	65 - 120	Recovery	=	0.00%#
64) 1,2-Dichlorobenzene-d4	11.94	152	59163	41.50	ug/L	0.08
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.00%

Target Compounds

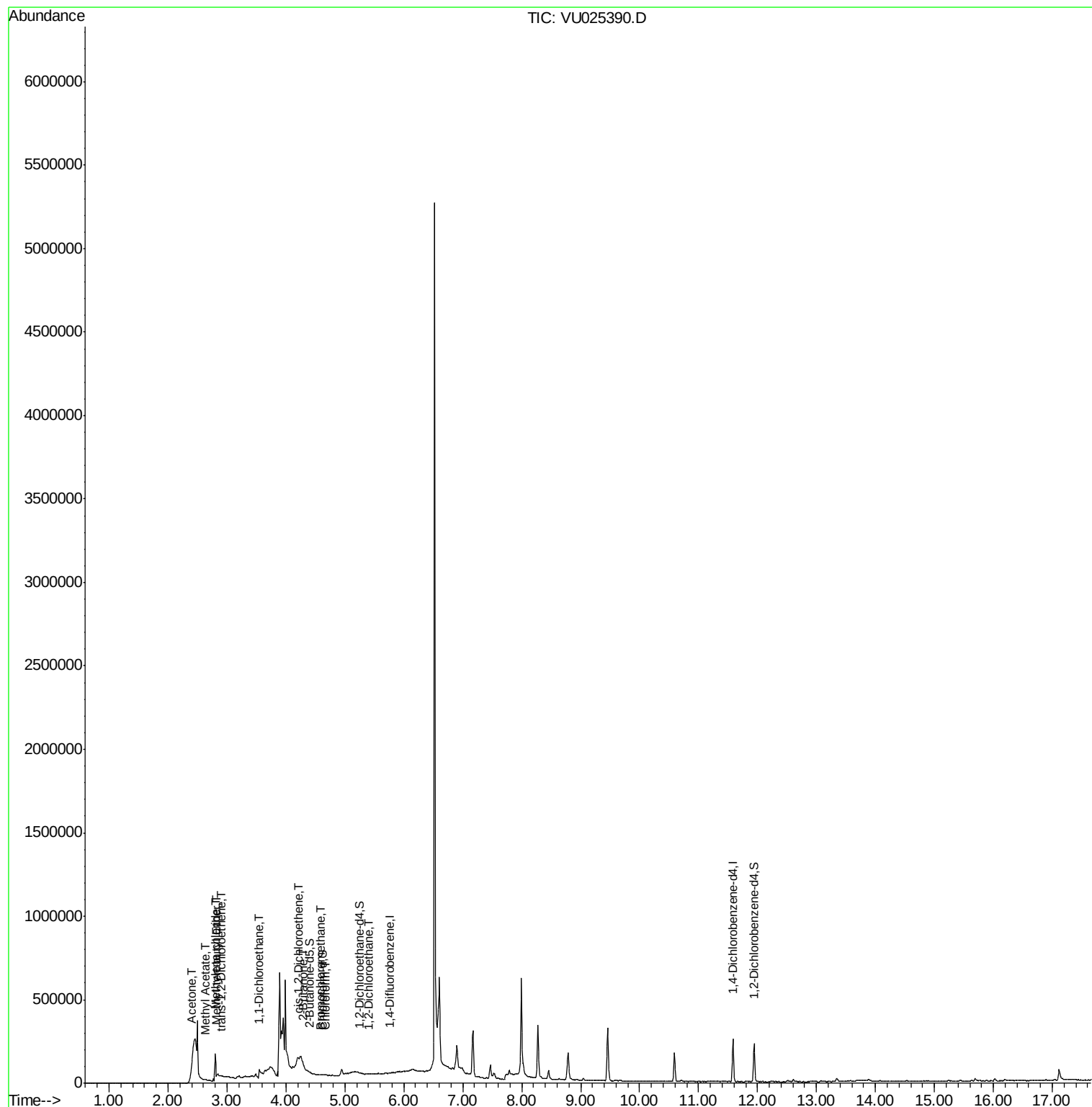
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.39	43	166	769.591	ug/L #	45
15) Methyl Acetate	2.64	43	85	257.550	ug/L #	52
16) Methylene chloride	2.80	84	481	1591.102	ug/L #	61
17) trans-1,2-Dichloroethene	2.91	96	116	415.886	ug/L #	1
18) Methyl tert-butyl Ether	2.82	73	40	41.213	ug/L #	1
19) 1,1-Dichloroethane	3.55	63	62	116.782	ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	232	720.196	ug/L #	27
22) 2-Butanone	4.31	43	1062	4161.879	ug/L	86
23) Bromochloromethane	4.58	128	269	1624.301	ug/L #	4
25) Chloroform	4.68	83	61	107.613	ug/L	92
27) 1,2-Dichloroethane	5.40	62	87	183.133	ug/L #	77

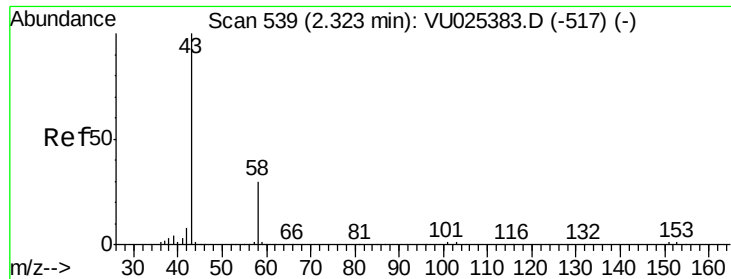
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 769.591 ug/L

RT: 2.39 min Scan# 559

Delta R.T. 0.07 min

Lab File: VU025390.D

Acq: 13 Jul 2018 13:40

Instrument :

MSVOA_U

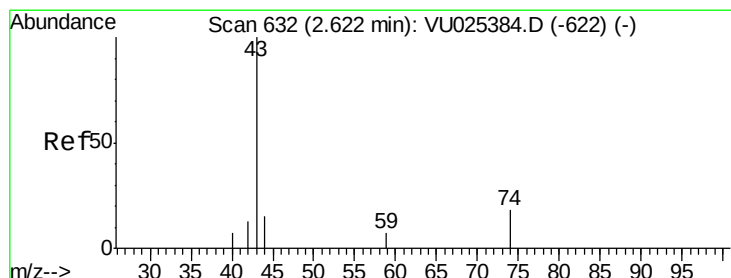
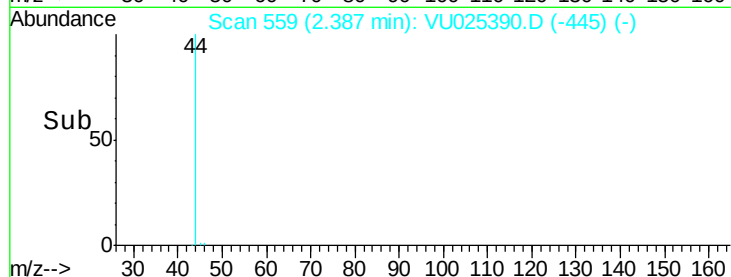
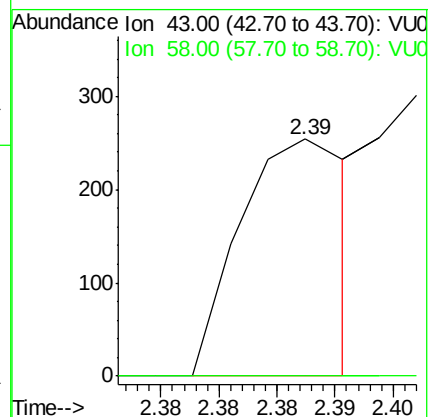
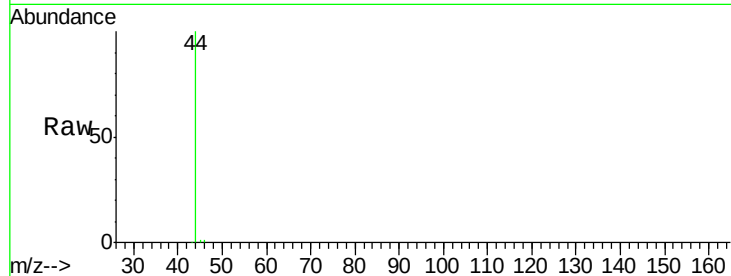
ClientSampleId :

Tot Ion: 43 Resp: 166

Ion Ratio Lower Upper

43 100

58 0.0 0.0 59.4



#15

Methyl Acetate

Concen: 257.550 ug/L

RT: 2.64 min Scan# 639

Delta R.T. 0.03 min

Lab File: VU025390.D

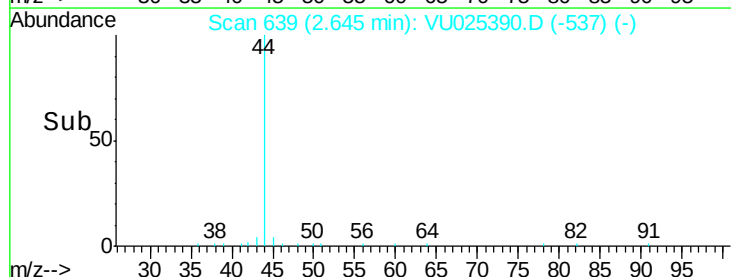
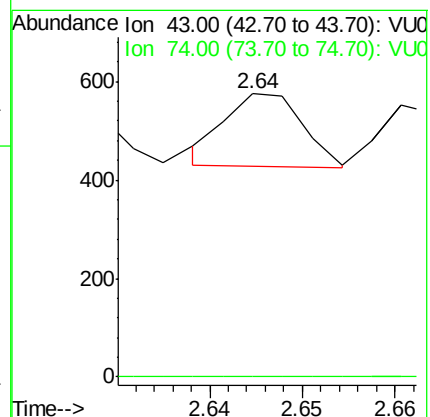
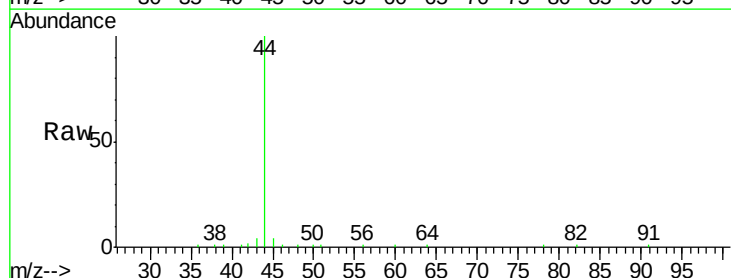
Acq: 13 Jul 2018 13:40

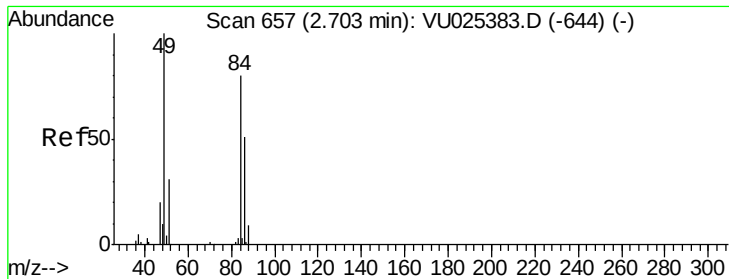
Tgt Ion: 43 Resp: 85

Ion Ratio Lower Upper

43 100

74 0.0 18.6 28.0#

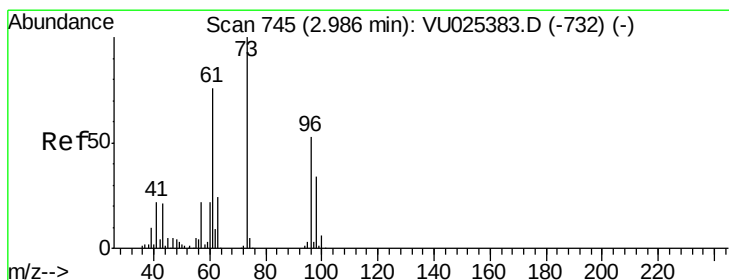
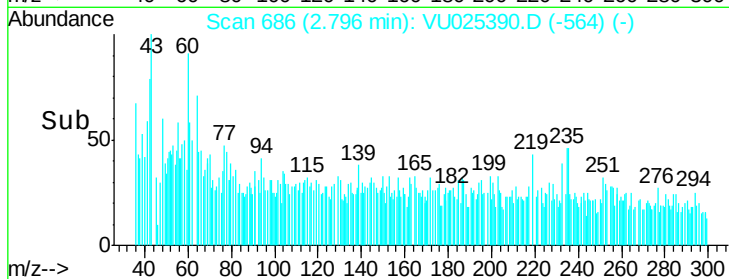
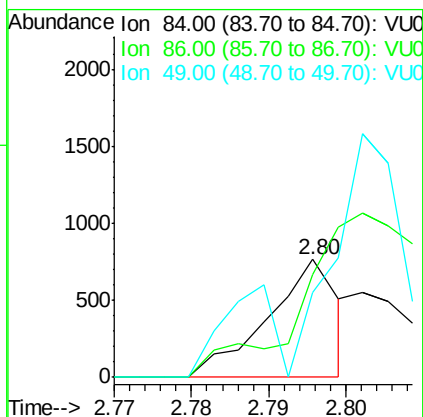
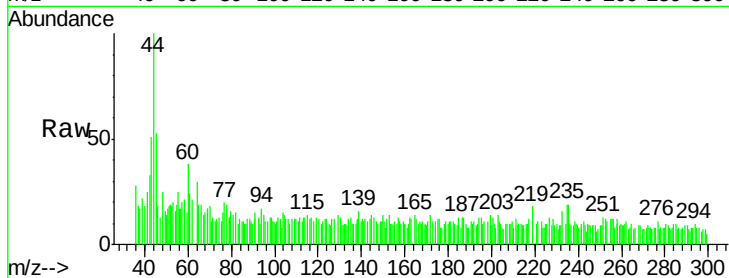




#16
Methylene chloride
Concen: 1591.102 ug/L
RT: 2.80 min Scan# 686
Delta R.T. 0.09 min
Lab File: VU025390.D
Acq: 13 Jul 2018 13:40

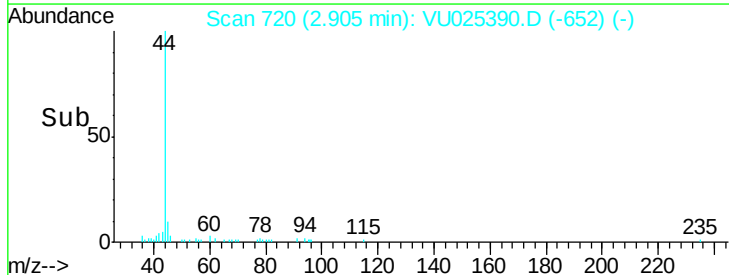
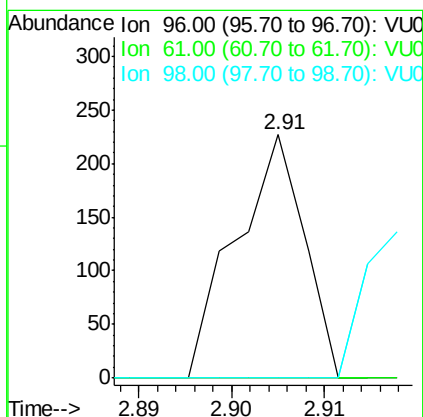
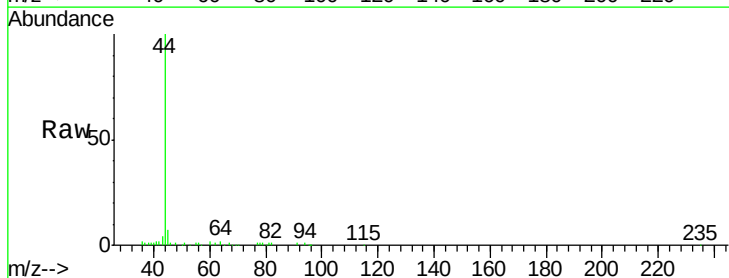
Instrument :
MSVOA_U
ClientSampled :

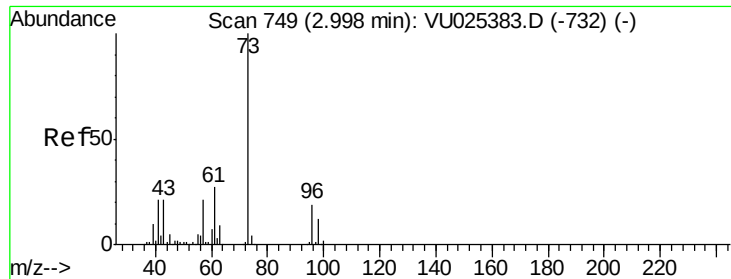
Tot Ion: 84 Resp: 481
Ion Ratio Lower Upper
84 100
86 87.4 44.9 83.5#
49 72.3 85.6 159.0#



#17
trans-1,2-Dichloroethene
Concen: 415.886 ug/L
RT: 2.91 min Scan# 720
Delta R.T. -0.08 min
Lab File: VU025390.D
Acq: 13 Jul 2018 13:40

Tgt Ion: 96 Resp: 116
Ion Ratio Lower Upper
96 100
61 0.0 102.7 190.7#
98 0.0 44.4 82.5#

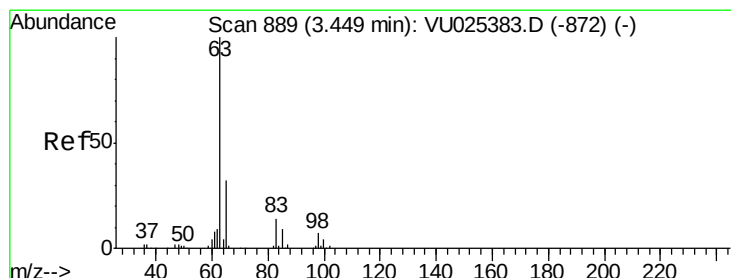
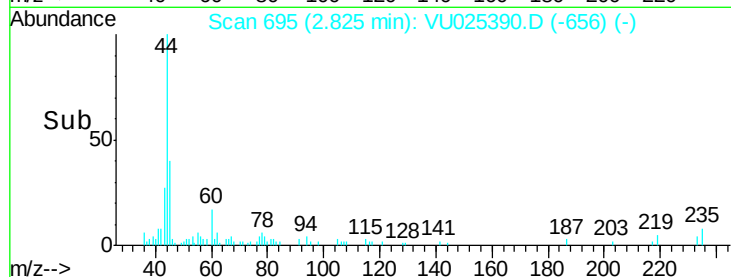
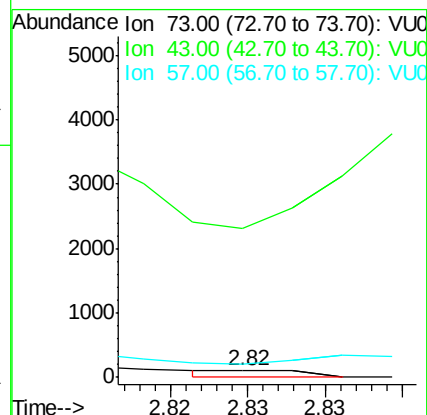
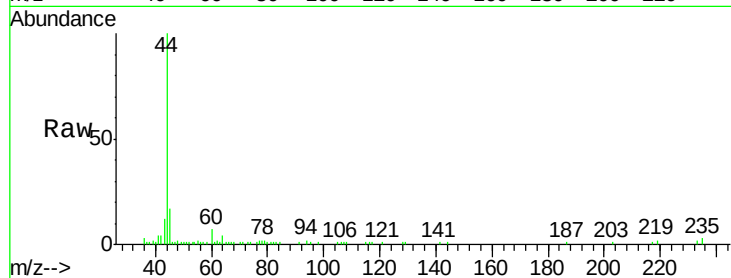




#18
Methyl tert-butyl Ether
Concen: 41.213 ug/L
RT: 2.82 min Scan# 695
Delta R.T. -0.17 min
Lab File: VU025390.D
Acq: 13 Jul 2018 13:40

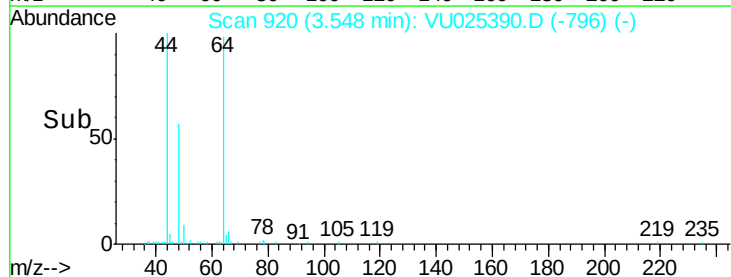
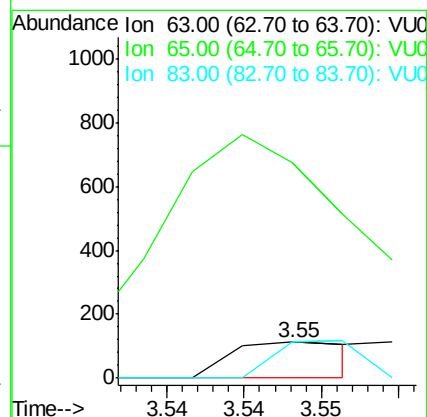
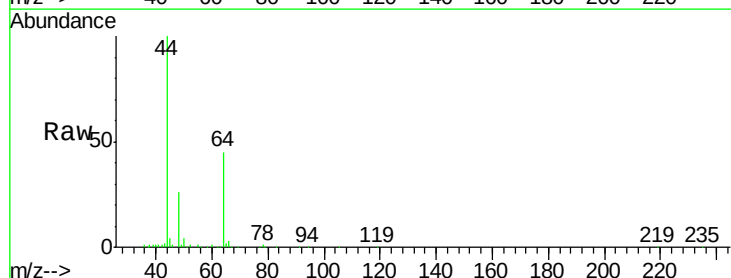
Instrument :
MSVOA_U
ClientSampleId :

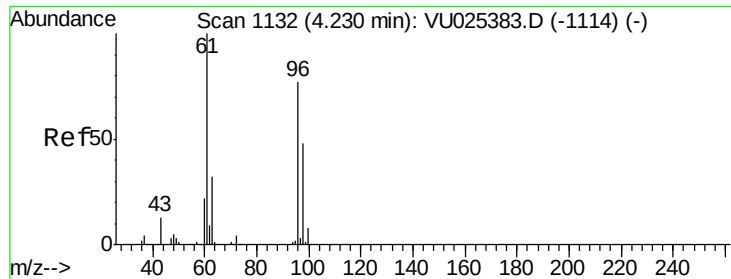
Tot Ion: 73 Resp: 40
Ion Ratio Lower Upper
73 100
43 4725.0 17.2 25.8#
57 370.0 17.2 25.8#



#19
1,1-Dichloroethane
Concen: 116.782 ug/L
RT: 3.55 min Scan# 920
Delta R.T. 0.10 min
Lab File: VU025390.D
Acq: 13 Jul 2018 13:40

Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
65 596.5 21.9 40.7#
83 100.9 9.7 18.1#

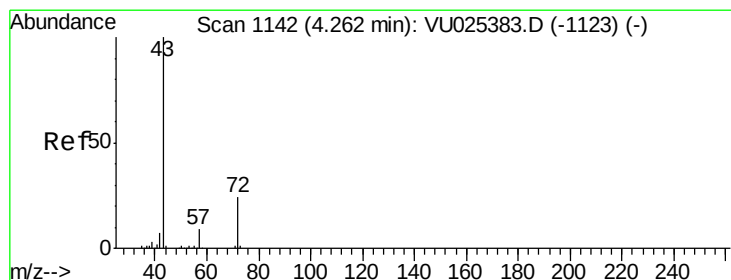
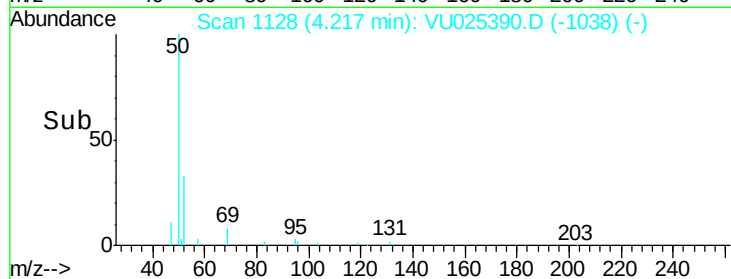
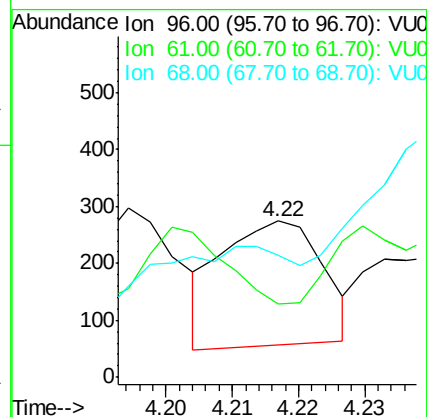
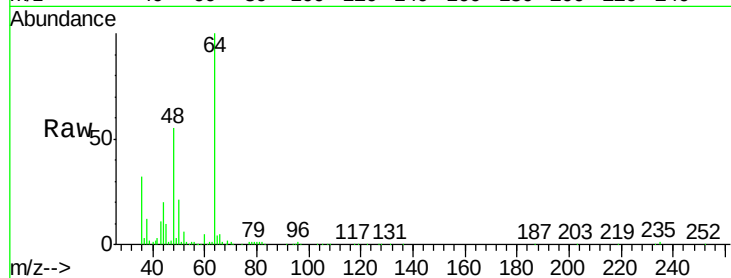




#20
 cis-1,2-Dichloroethene
 Concen: 720.196 ug/L
 RT: 4.22 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: VU025390.D
 Acq: 13 Jul 2018 13:40

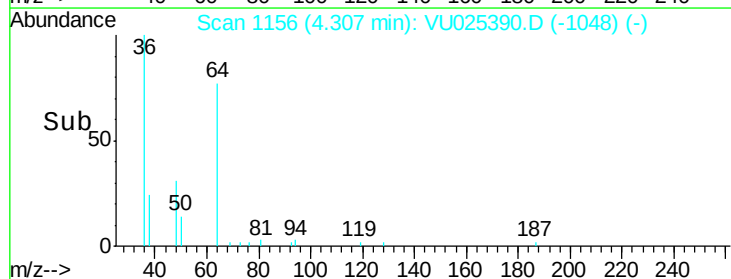
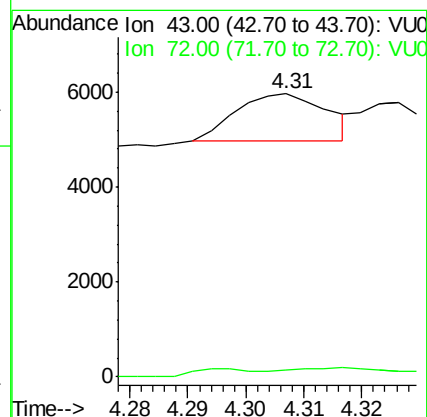
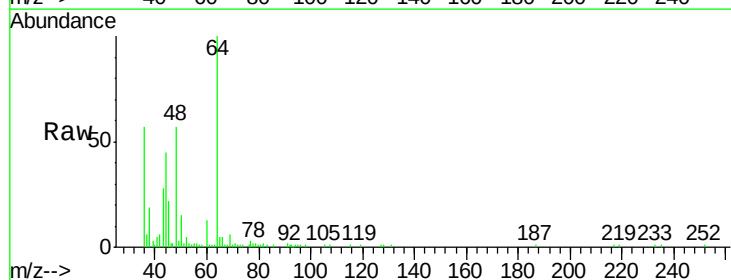
Instrument :
 MSVOA_U
 ClientSampleId :

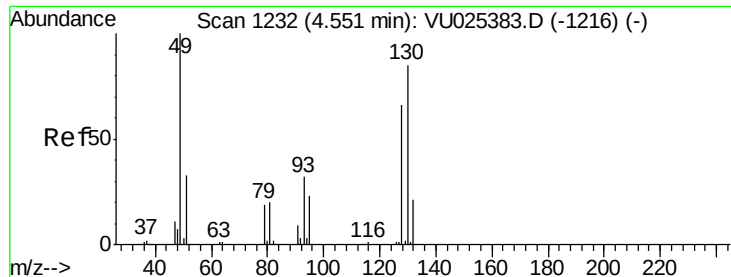
Tot Ion: 96 Resp: 232
 Ion Ratio Lower Upper
 96 100
 61 46.9 93.4 173.6#
 68 77.8 0.0 0.0#



#22
 2-Butanone
 Concen: 4161.879 ug/L
 RT: 4.31 min Scan# 1156
 Delta R.T. 0.05 min
 Lab File: VU025390.D
 Acq: 13 Jul 2018 13:40

Tgt Ion: 43 Resp: 1062
 Ion Ratio Lower Upper
 43 100
 72 19.8 13.7 41.0





#23

Bromochloromethane

Concen: 1624.301 ug/L

RT: 4.58 min Scan# 1241

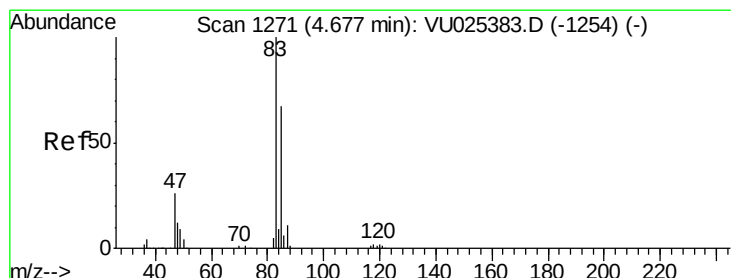
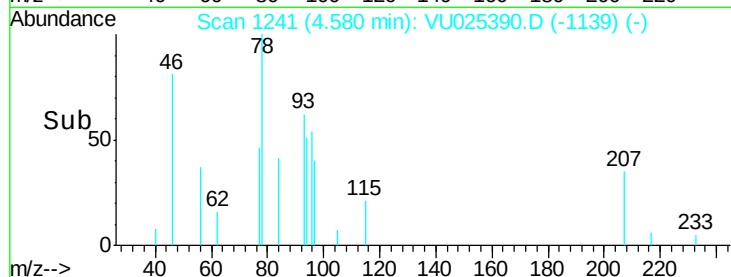
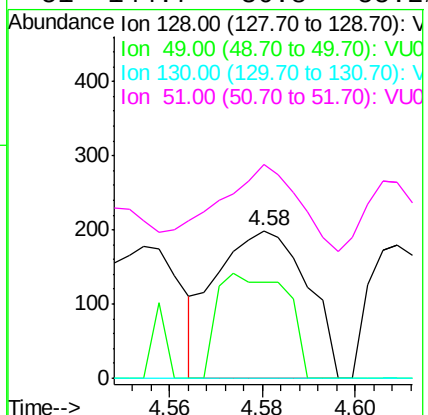
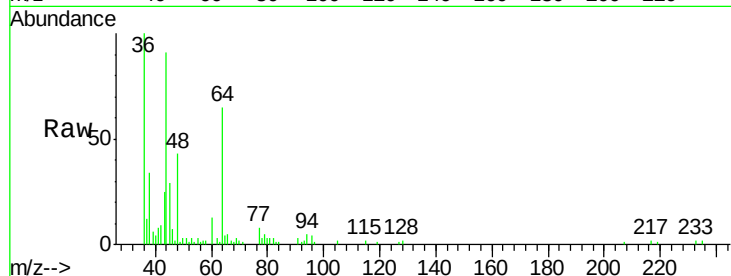
Delta R.T. 0.03 min

Lab File: VU025390.D

Acq: 13 Jul 2018 13:40

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:	128	Resp:	269
Ion	Ratio	Lower	Upper
128	100		
49	65.3	106.1	197.1#
130	0.0	87.7	162.9#
51	144.7	36.8	55.2#



#25

Chloroform

Concen: 107.613 ug/L

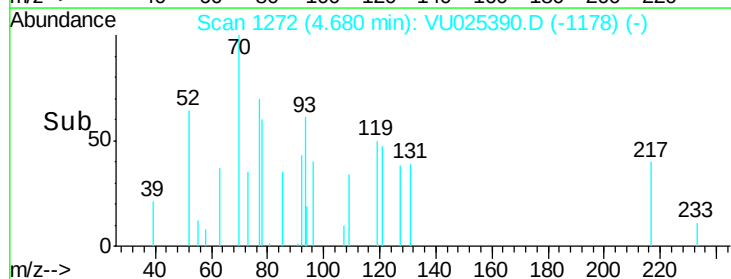
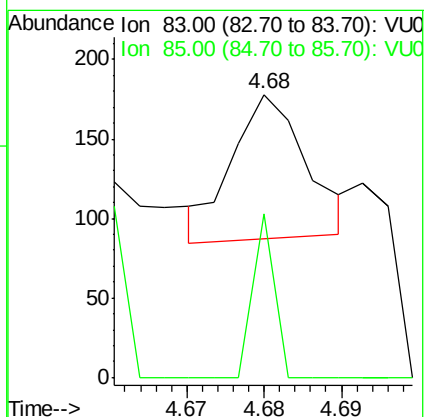
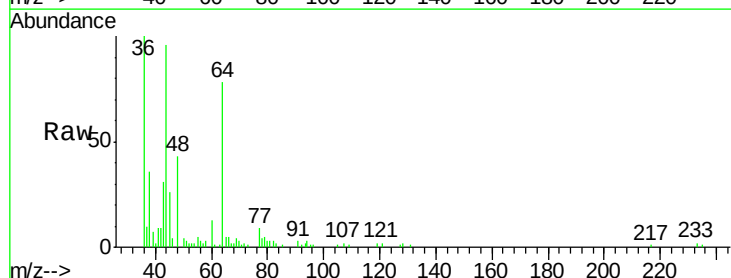
RT: 4.68 min Scan# 1272

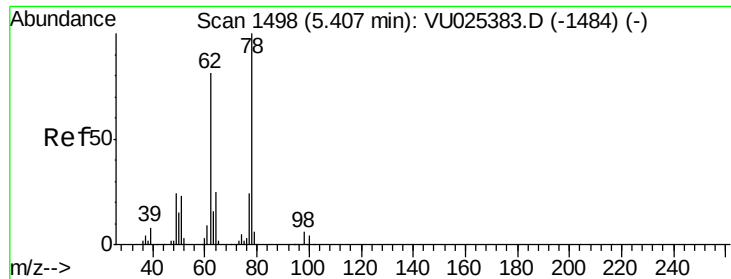
Delta R.T. 0.00 min

Lab File: VU025390.D

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Tgt Ion:	83	Resp:	61
Ion	Ratio	Lower	Upper
83	100		
85	57.9	44.7	83.1





#27

1,2-Dichloroethane

Concen: 183.133 ug/L

RT: 5.40 min Scan# 1495

Delta R.T. -0.01 min

Lab File: VU025390.D

Acq: 13 Jul 2018 13:40

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 62 Resp: 87

Ion Ratio Lower Upper

62 100

98 0.0 6.4 9.6#

