

Data File : VU033638.D
Acq On : 08 Aug 2019 15:29
Operator : JC/SP
Sample : K4202-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B04

Quant Time: Aug 09 07:42:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080819WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	313569	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	308600	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	146696	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	89530	25.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	50.58%#
7) Chloroethane-d5	1.67	69	84601	28.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	56.48%#
11) 1,1-Dichloroethene-d2	2.26	63	121811	21.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	42.58%#
21) 2-Butanone-d5	4.15	46	182164	70.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	70.27%
24) Chloroform-d	4.62	84	156206	26.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	53.26%#
26) 1,2-Dichloroethane-d4	5.29	65	119763	31.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	63.32%#
32) Benzene-d6	5.32	84	343082	29.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	59.62%#
36) 1,2-Dichloropropane-d6	6.31	67	119597	32.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	65.38%#
41) Toluene-d8	7.55	98	300387	28.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	56.46%#
43) trans-1,3-Dichloropropene-	7.83	79	53528	29.89	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.78%#
47) 2-Hexanone-d5	8.29	63	133519	72.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	72.88%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	199111	34.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	69.56%
64) 1,2-Dichlorobenzene-d4	11.85	152	135626	33.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	67.68%#

Target Compounds

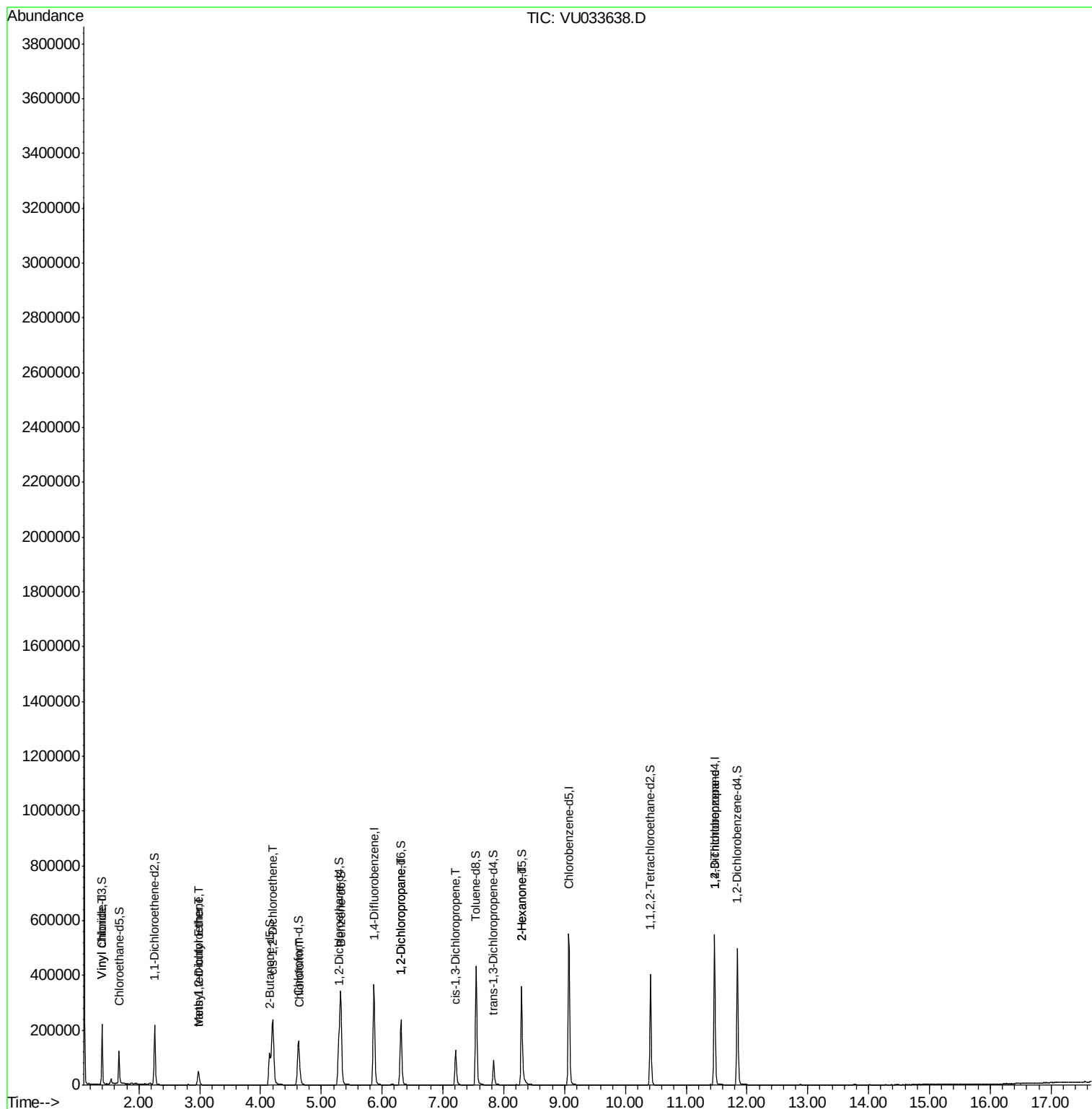
						Qvalue
5) Vinyl chloride	1.40	62	56659	16.647	ug/L	99
17) trans-1,2-Dichloroethene	2.97	96	4144	1.793	ug/L	94
18) Methyl tert-butyl Ether	2.98	73	41938	5.777	ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	130039	49.965	ug/L	95
25) Chloroform	4.65	83	23678	5.013	ug/L	99
37) 1,2-Dichloropropane	6.31	63	13151	4.995	ug/L #	88
39) cis-1,3-Dichloropropene	7.21	75	3190	0.814	ug/L #	67
48) 2-Hexanone	8.29	43	15284	4.853	ug/L #	70
59) 1,2,3-Trichloropropane	11.47	75	17201	4.785	ug/L	90

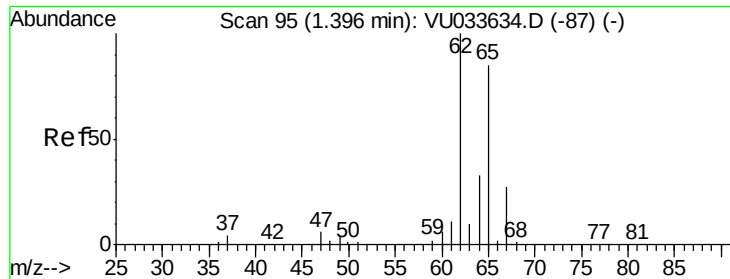
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 16.647 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

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Instrument :

MSVOA_U

ClientSampled :

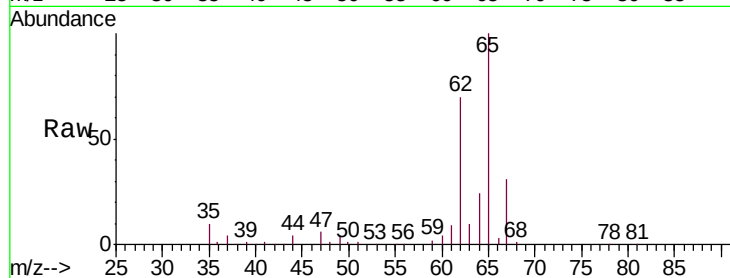
F2B04

Tgt Ion: 62 Resp: 56659

Ion Ratio Lower Upper

62 100

64 34.4 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

1.40

60000

50000

40000

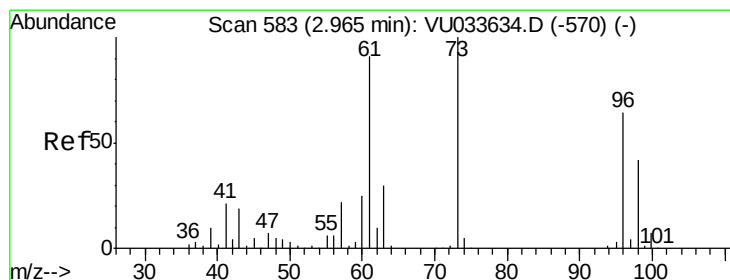
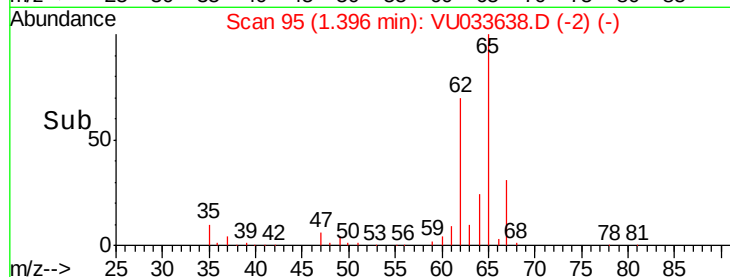
30000

20000

10000

0

Time-->



#17

trans-1,2-Dichloroethene

Concen: 1.793 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

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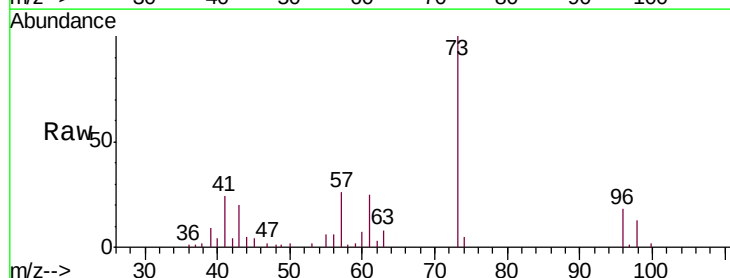
Tgt Ion: 96 Resp: 4144

Ion Ratio Lower Upper

96 100

61 134.5 98.7 183.3

98 69.6 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

4000

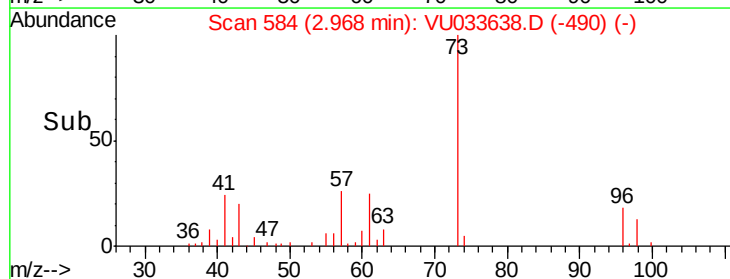
3000

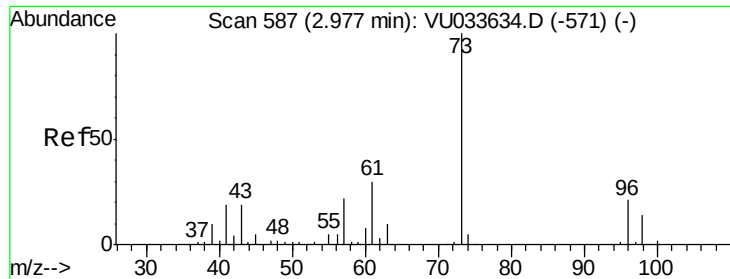
2000

1000

0

Time-->

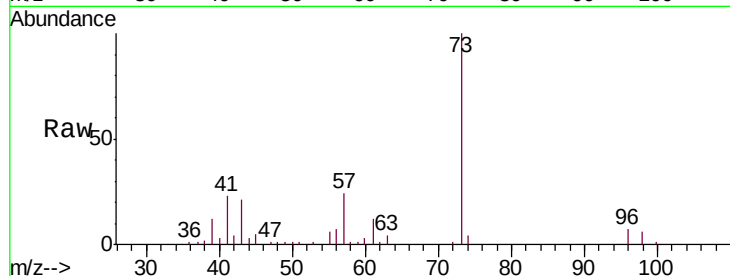




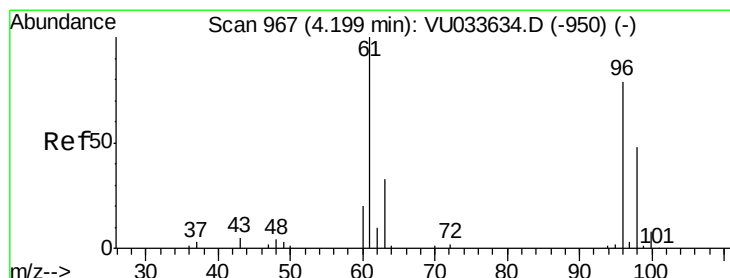
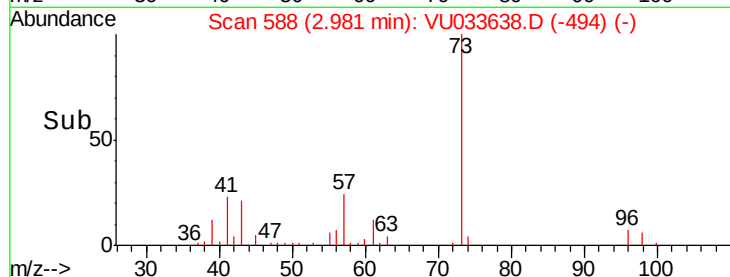
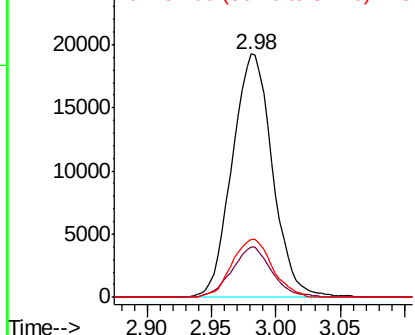
#18
Methyl tert-butyl Ether
Concen: 5.777 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU033638.D
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Instrument :
MSVOA_U
ClientSampleId :
F2B04

Tgt Ion: 73 Resp: 41938
Ion Ratio Lower Upper
73 100
43 20.5 15.5 23.3
57 23.9 18.0 27.0

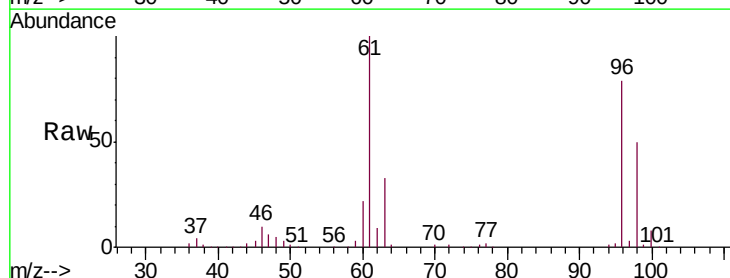


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

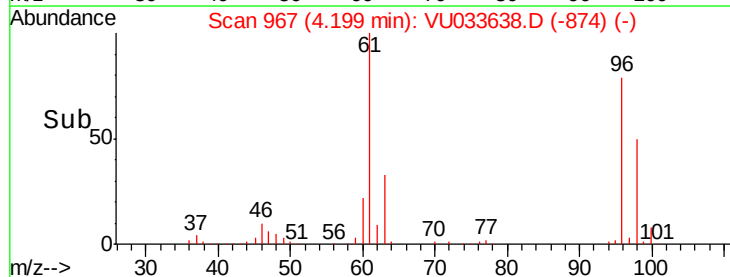
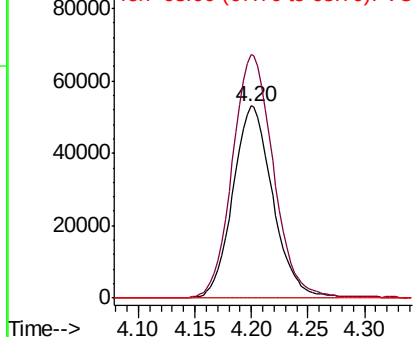


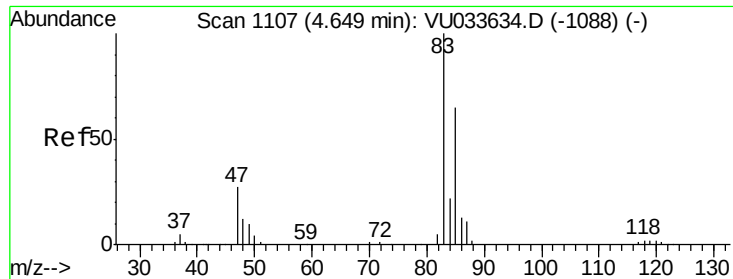
#20
cis-1,2-Dichloroethene
Concen: 49.965 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033638.D
Acq: 08 Aug 2019 15:29

Tgt Ion: 96 Resp: 130039
Ion Ratio Lower Upper
96 100
61 126.9 93.0 172.8
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0

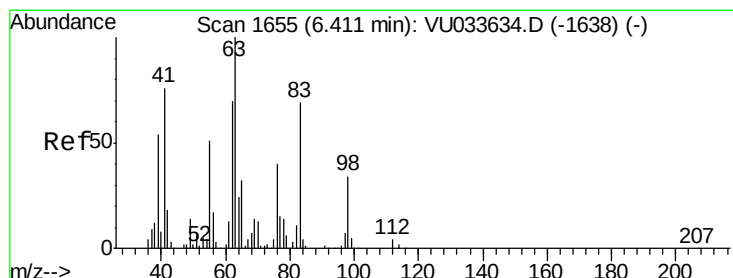
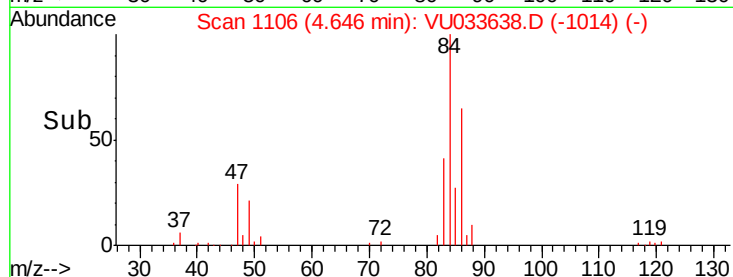
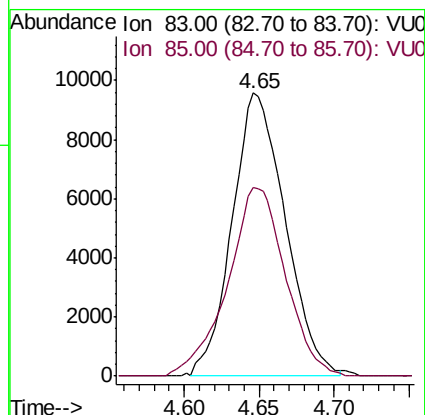
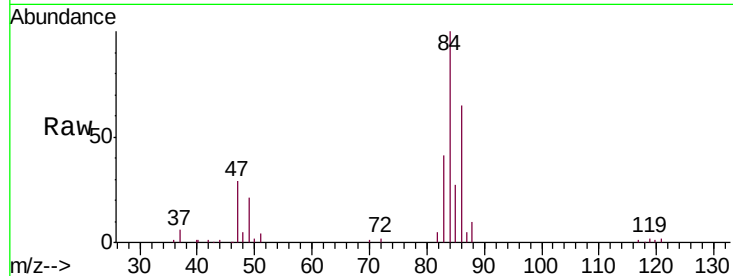




#25
Chloroform
Concen: 5.013 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VU033638.D
Acq: 08 Aug 2019 15:29

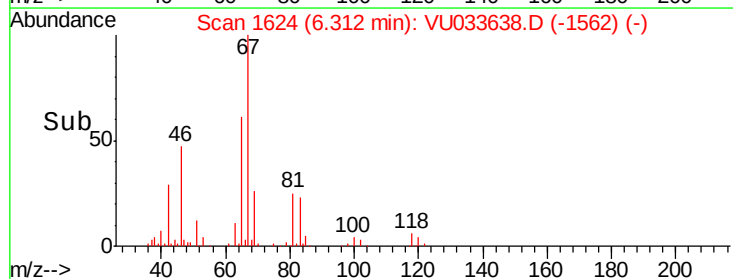
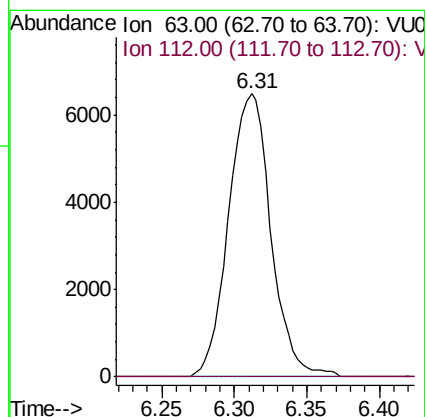
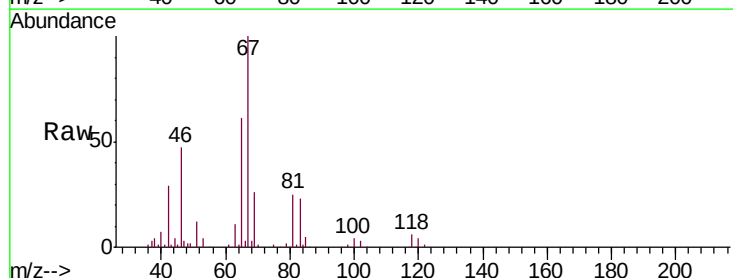
Instrument :
MSVOA_U
ClientSampled :
F2B04

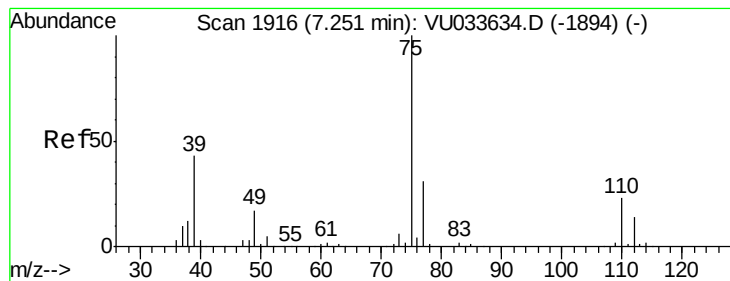
Tgt Ion: 83 Resp: 23678
Ion Ratio Lower Upper
83 100
85 66.5 47.2 87.6



#37
1,2-Dichloropropane
Concen: 4.995 ug/L
RT: 6.31 min Scan# 1624
Delta R.T. -0.10 min
Lab File: VU033638.D
Acq: 08 Aug 2019 15:29

Tgt Ion: 63 Resp: 13151
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



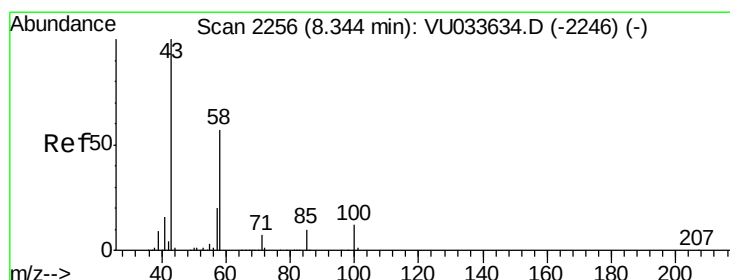
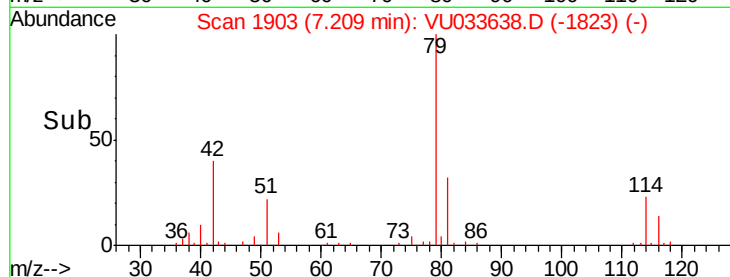
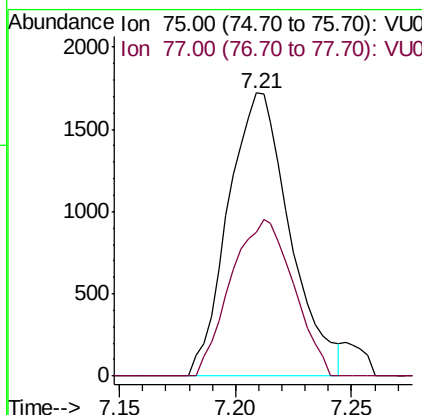
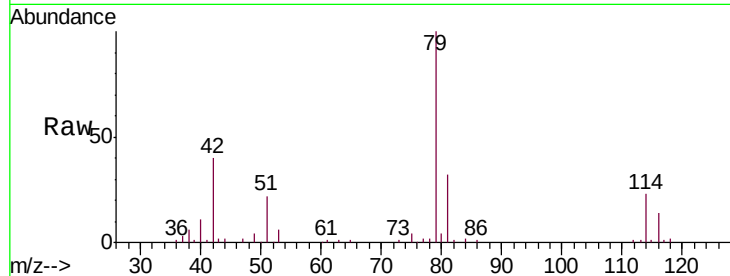


#39

cis-1,3-Dichloropropene
 Concen: 0.814 ug/L
 RT: 7.21 min Scan# 1903
 Delta R.T. -0.04 min
 Lab File: VU033638.D
 Acq: 08 Aug 2019 15:29

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B04

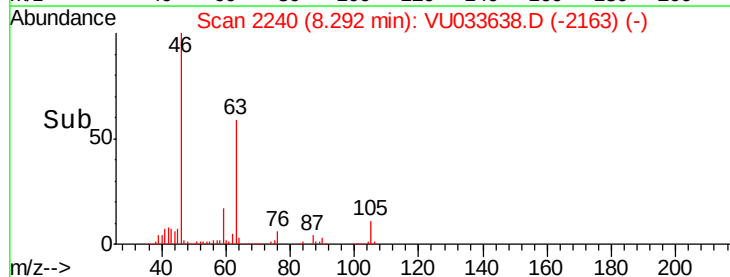
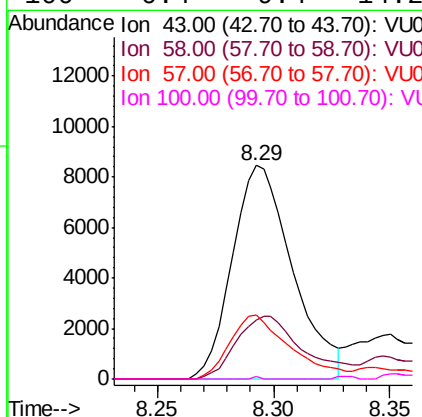
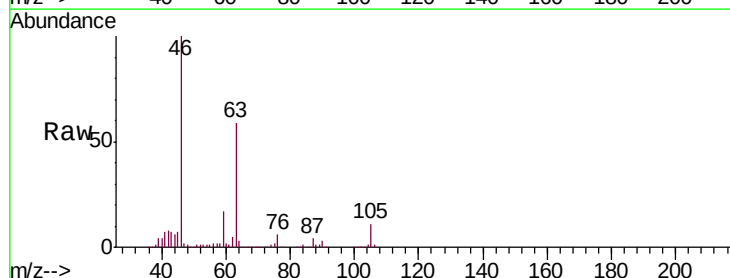
Tgt Ion: 75 Resp: 3190
 Ion Ratio Lower Upper
 75 100
 77 50.6 22.5 41.9#

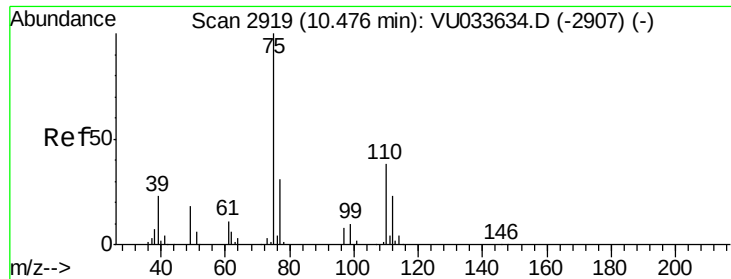


#48

2-Hexanone
 Concen: 4.853 ug/L
 RT: 8.29 min Scan# 2240
 Delta R.T. -0.05 min
 Lab File: VU033638.D
 Acq: 08 Aug 2019 15:29

Tgt Ion: 43 Resp: 15284
 Ion Ratio Lower Upper
 43 100
 58 32.7 44.8 67.2#
 57 29.8 15.5 23.3#
 100 0.4 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 4.785 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033638.D

Acq: 08 Aug 2019 15:29

Instrument :

MSVOA_U

ClientSampleId :

F2B04

Tgt Ion: 75 Resp: 17201

Ion Ratio Lower Upper

75 100

77 37.4 25.5 38.3

