

Data File : VU033653.D
Acq On : 08 Aug 2019 21:15
Operator : JC/SP
Sample : K4202-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F2B04

Quant Time: Aug 09 07:45:06 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	288625	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	291528	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	131998	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	147550	45.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.56%
7) Chloroethane-d5	1.67	69	122408	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.78%
11) 1,1-Dichloroethene-d2	2.26	63	188318	35.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.50%
21) 2-Butanone-d5	4.15	46	195370	81.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	81.88%
24) Chloroform-d	4.62	84	199145	36.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.76%
26) 1,2-Dichloroethane-d4	5.29	65	151934	43.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.28%
32) Benzene-d6	5.32	84	475865	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
36) 1,2-Dichloropropane-d6	6.31	67	151580	43.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.70%
41) Toluene-d8	7.55	98	424026	42.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.38%
43) trans-1,3-Dichloropropene-	7.83	79	68285	40.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.72%
47) 2-Hexanone-d5	8.29	63	148248	85.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.66%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	222871	41.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	82.44%
64) 1,2-Dichlorobenzene-d4	11.85	152	164984	45.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.50%

Target Compounds

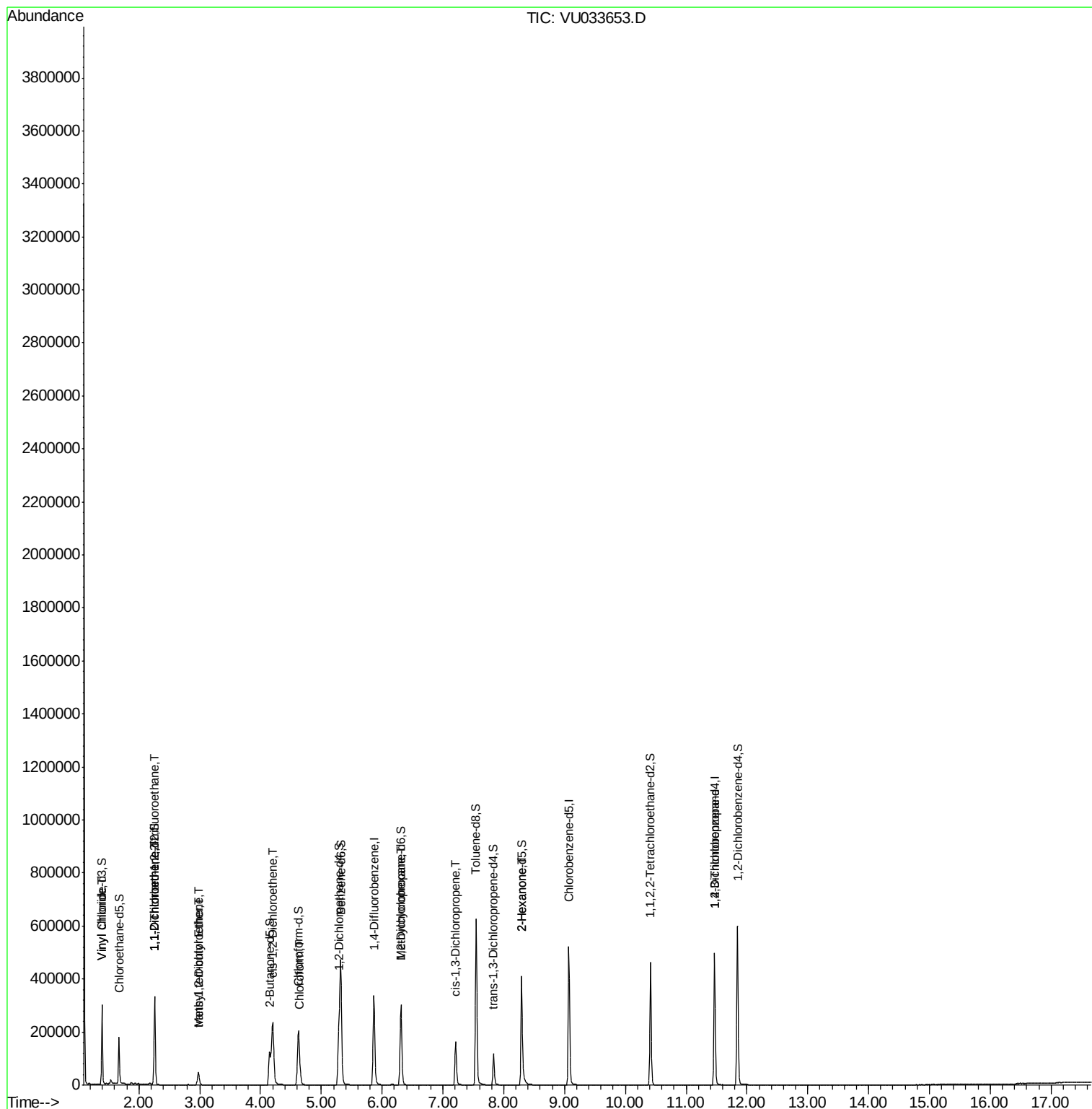
					Qvalue
5) Vinyl chloride	1.40	62	58623	18.713 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	1636	0.765 ug/L #	19
12) 1,1-Dichloroethene	2.26	96	1896	0.929 ug/L #	1
17) trans-1,2-Dichloroethene	2.97	96	3860	1.814 ug/L	88
18) Methyl tert-butyl Ether	2.98	73	40389	6.045 ug/L	98
20) cis-1,2-Dichloroethene	4.20	96	128458	53.623 ug/L	98
25) Chloroform	4.65	83	32055	7.373 ug/L	99
35) Methylcyclohexane	6.31	83	33693	9.320 ug/L #	19
39) cis-1,3-Dichloropropene	7.21	75	4426	1.195 ug/L #	61
48) 2-Hexanone	8.29	43	16309	5.482 ug/L #	68
59) 1,2,3-Trichloropropane	11.47	75	15594	4.592 ug/L	89

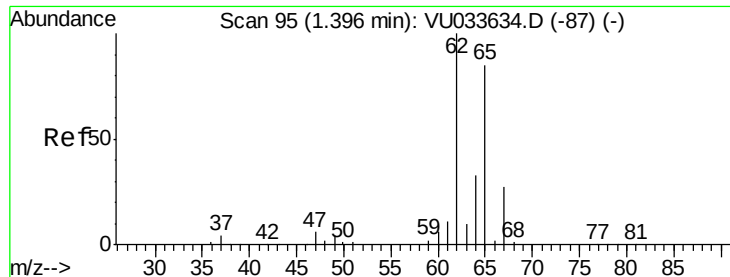
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Aug 09 07:39:51 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 18.713 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU033653.D

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MSVOA_U

ClientSampleId :

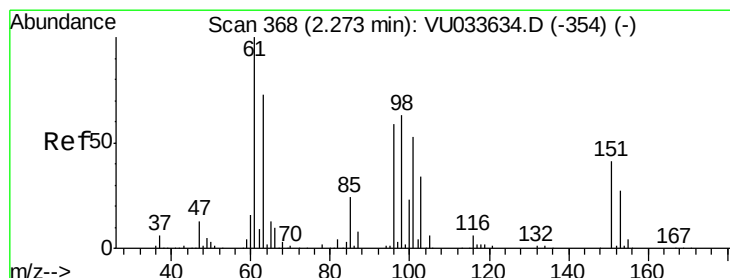
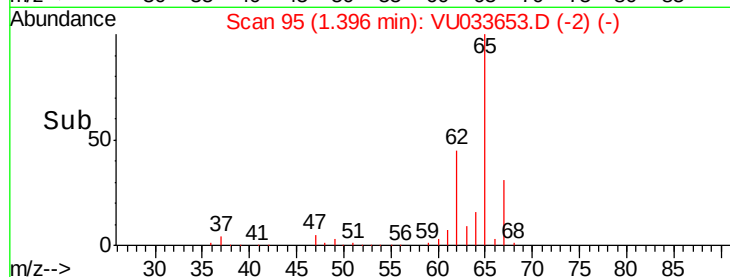
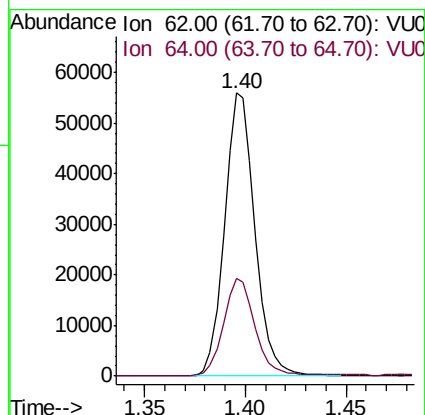
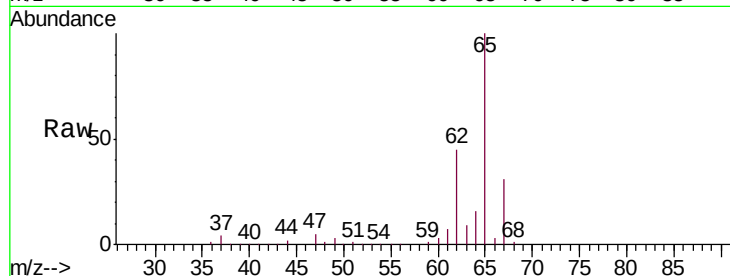
F2B04

Tgt Ion: 62 Resp: 58623

Ion Ratio Lower Upper

62 100

64 34.7 23.6 43.8



#10

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

Concen: 0.765 ug/L

RT: 2.26 min Scan# 363

Delta R.T. -0.02 min

Lab File: VU033653.D

Acq: 08 Aug 2019 21:15

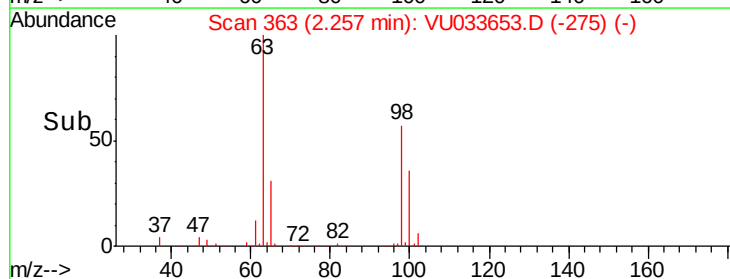
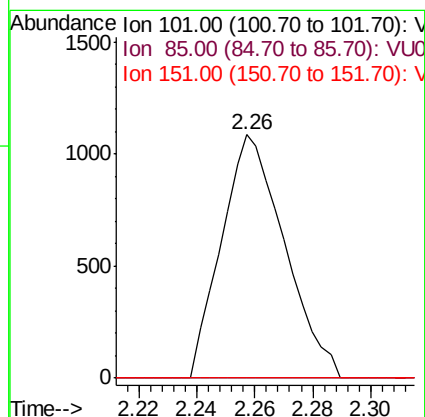
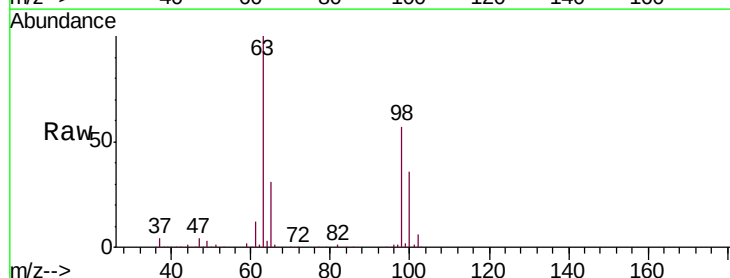
Tgt Ion: 101 Resp: 1636

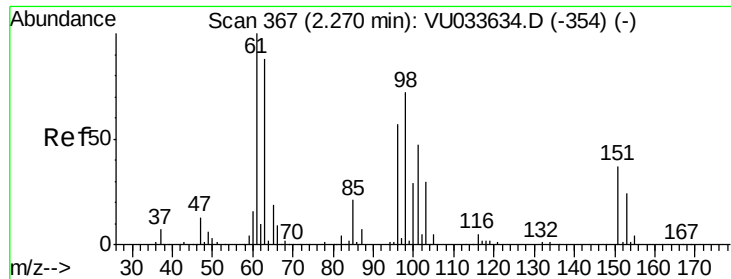
Ion Ratio Lower Upper

101 100

85 0.0 34.8 52.2#

151 0.0 60.4 90.6#

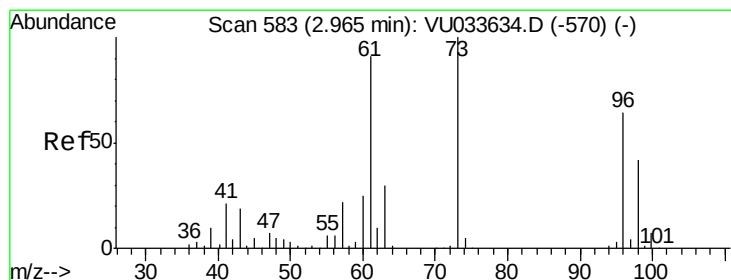
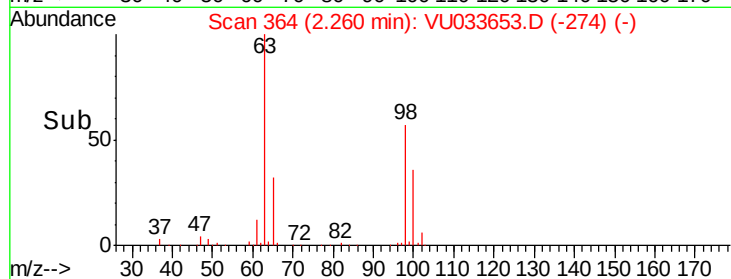
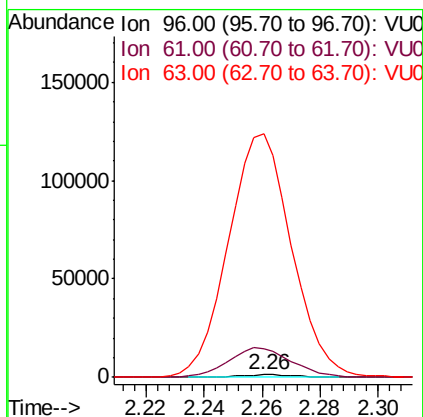
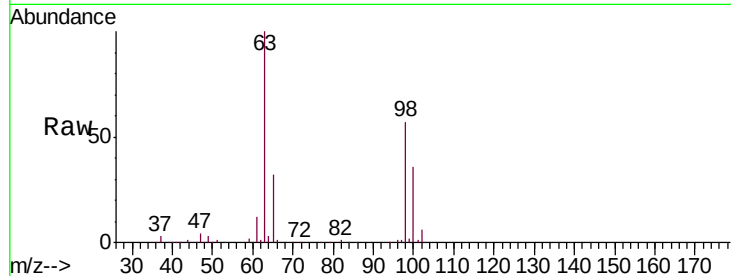




#12
 1,1-Dichloroethene
 Concen: 0.929 ug/L
 RT: 2.26 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VU033653.D
 Acq: 08 Aug 2019 21:15

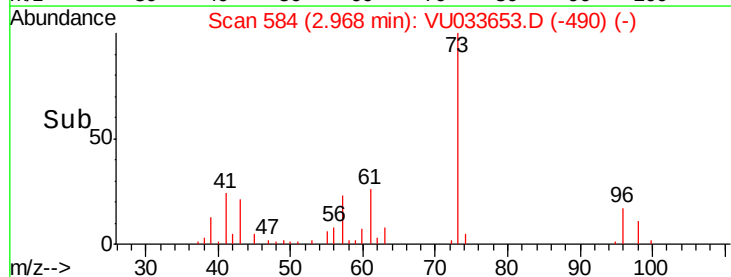
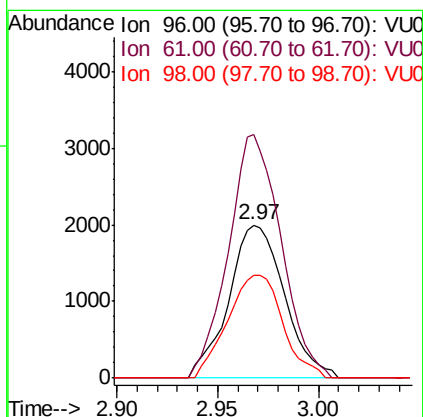
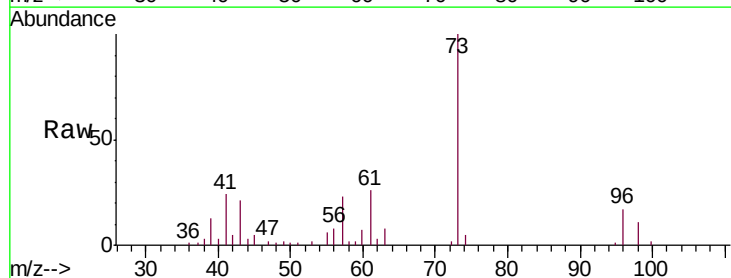
Instrument :
 MSVOA_U
 ClientSampleId :
 F2B04

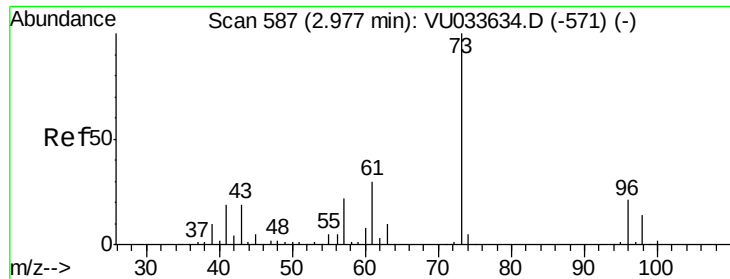
Tgt Ion: 96 Resp: 1896
 Ion Ratio Lower Upper
 96 100
 61 1196.6 124.0 230.2#
 63 9997.4 114.9 213.5#



#17
 trans-1,2-Dichloroethene
 Concen: 1.814 ug/L
 RT: 2.97 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: VU033653.D
 Acq: 08 Aug 2019 21:15

Tgt Ion: 96 Resp: 3860
 Ion Ratio Lower Upper
 96 100
 61 159.3 98.7 183.3
 98 67.6 44.6 82.8

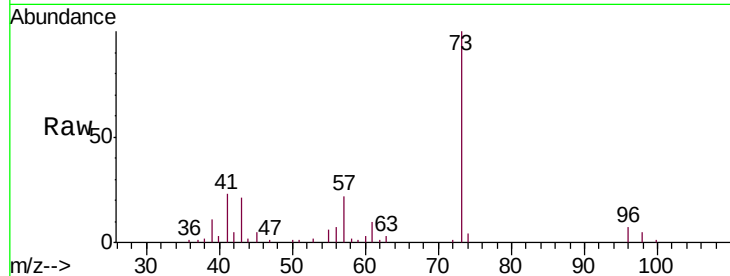




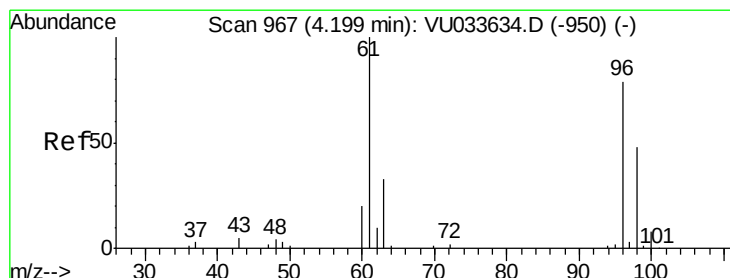
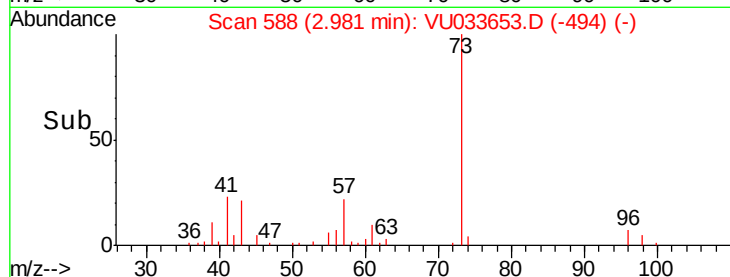
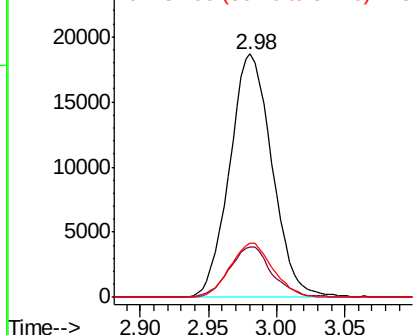
#18
Methyl tert-butyl Ether
Concen: 6.045 ug/L
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU033653.D
Acq: 08 Aug 2019 21:15

Instrument :
MSVOA_U
ClientSampleId :
F2B04

Tgt Ion: 73 Resp: 40389
Ion Ratio Lower Upper
73 100
43 20.9 15.5 23.3
57 22.4 18.0 27.0

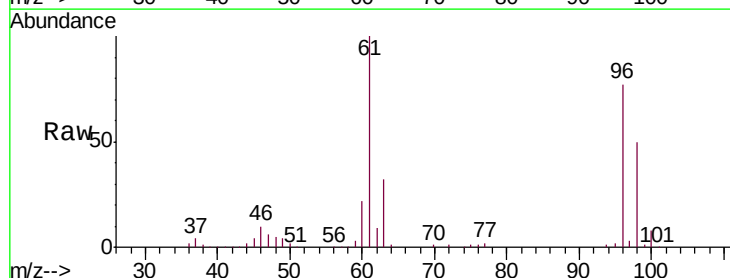


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

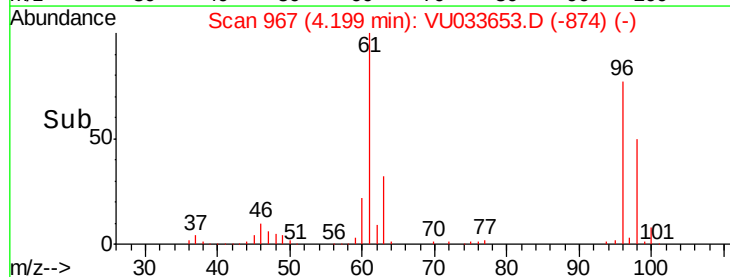
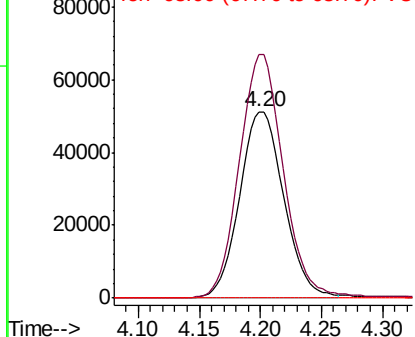


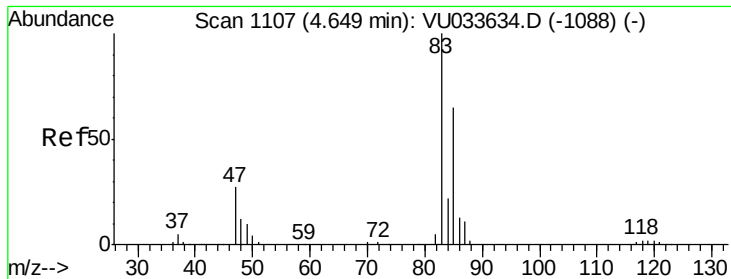
#20
cis-1,2-Dichloroethene
Concen: 53.623 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU033653.D
Acq: 08 Aug 2019 21:15

Tgt Ion: 96 Resp: 128458
Ion Ratio Lower Upper
96 100
61 130.6 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: 7.373 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VU033653.D

Acq: 08 Aug 2019 21:15

Instrument :

MSVOA_U

ClientSampleId :

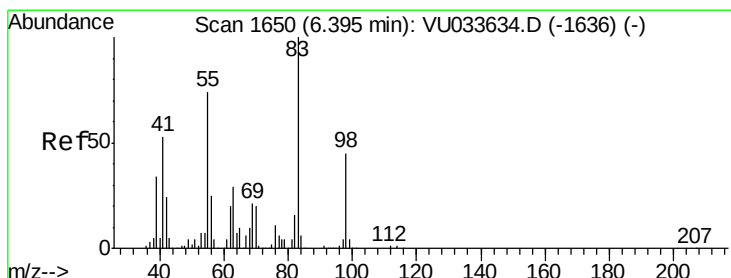
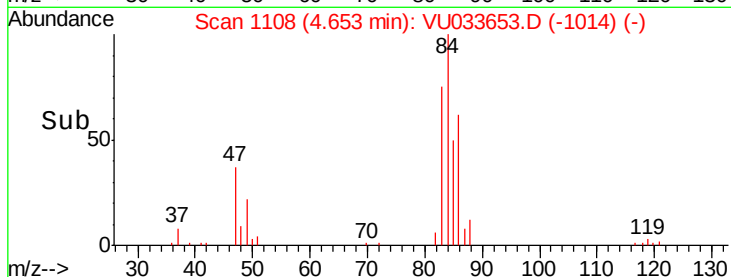
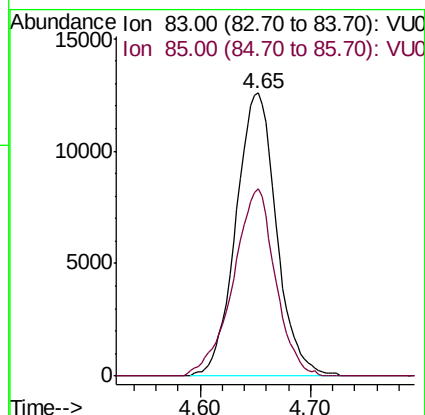
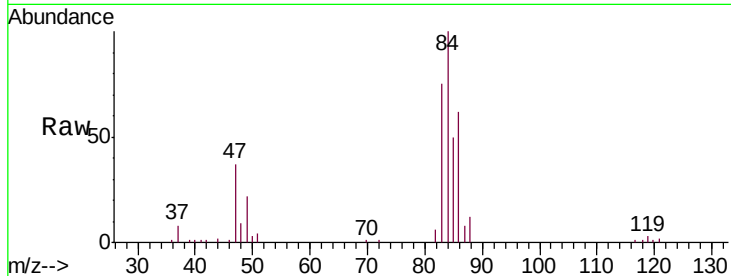
F2B04

Tgt Ion: 83 Resp: 32055

Ion Ratio Lower Upper

83 100

85 66.2 47.2 87.6



#35

Methylcyclohexane

Concen: 9.320 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.09 min

Lab File: VU033653.D

Acq: 08 Aug 2019 21:15

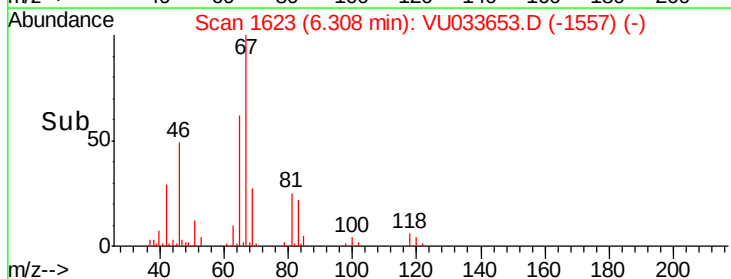
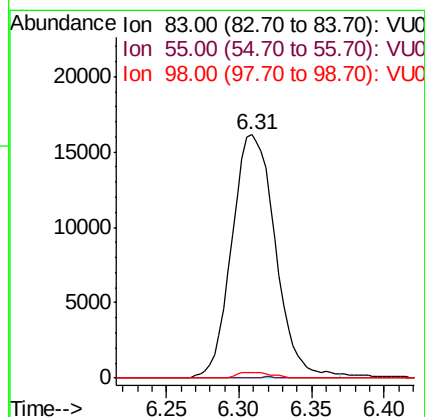
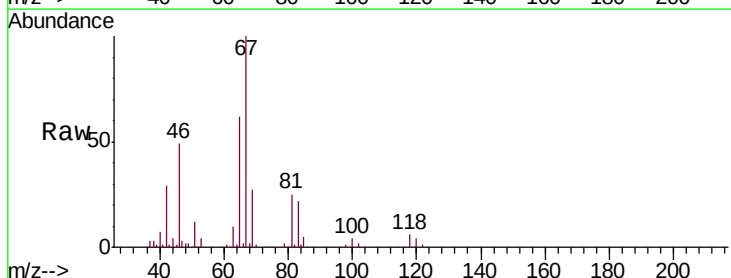
Tgt Ion: 83 Resp: 33693

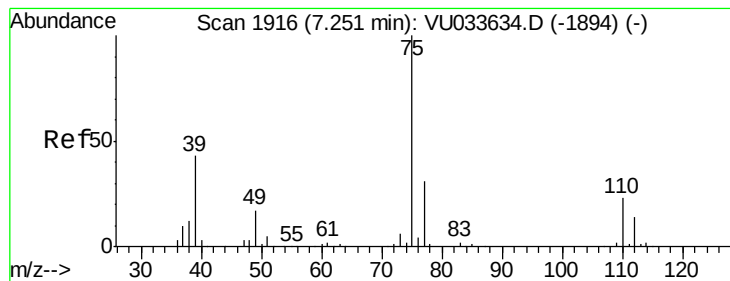
Ion Ratio Lower Upper

83 100

55 0.1 61.3 91.9#

98 1.8 36.7 55.1#



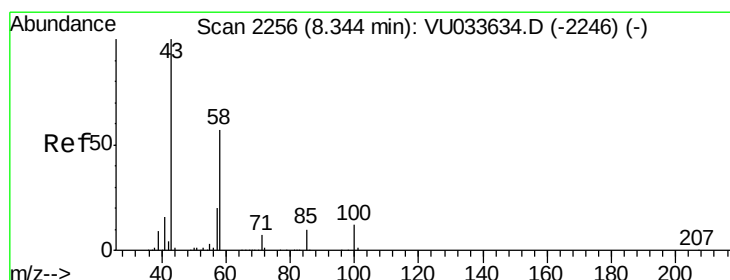
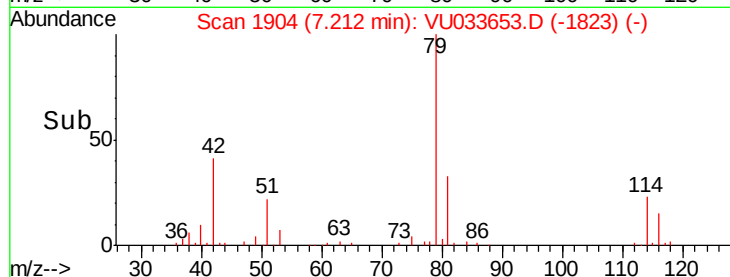
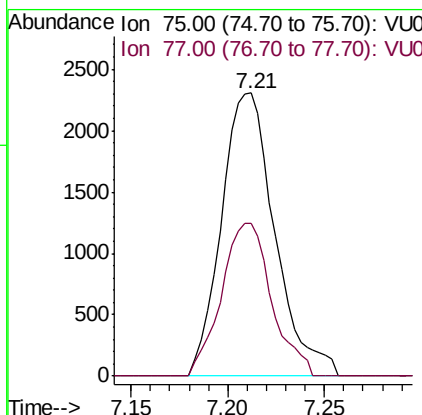
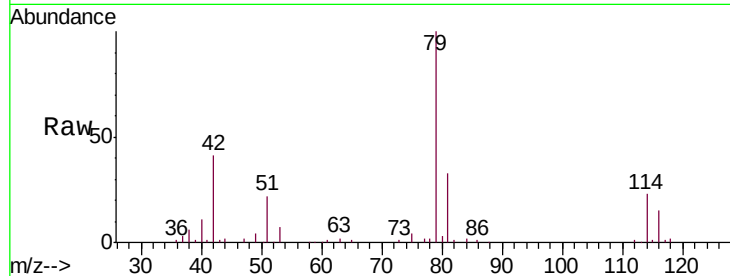


#39

cis-1,3-Dichloropropene
Concen: 1.195 ug/L
RT: 7.21 min Scan# 1904
Delta R.T. -0.04 min
Lab File: VU033653.D
Acq: 08 Aug 2019 21:15

Instrument :
MSVOA_U
ClientSampleId :
F2B04

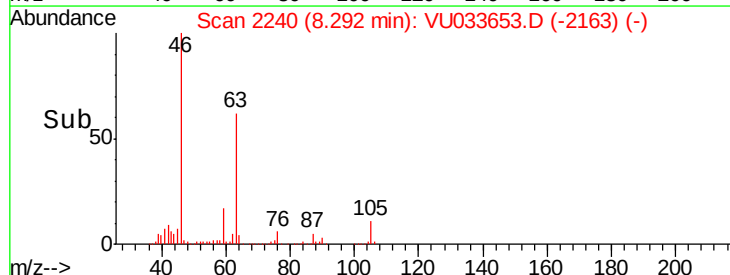
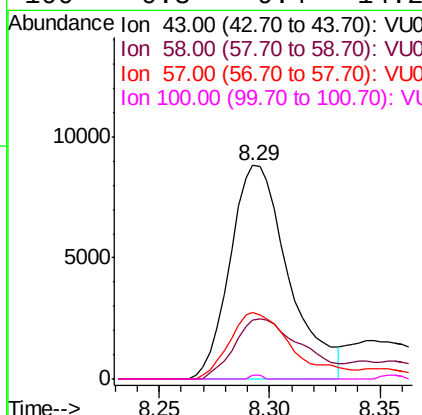
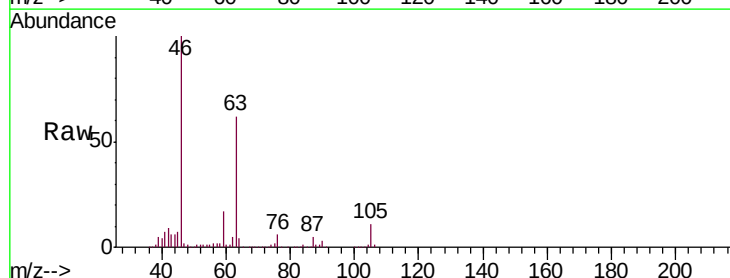
Tgt Ion: 75 Resp: 4426
Ion Ratio Lower Upper
75 100
77 53.8 22.5 41.9#

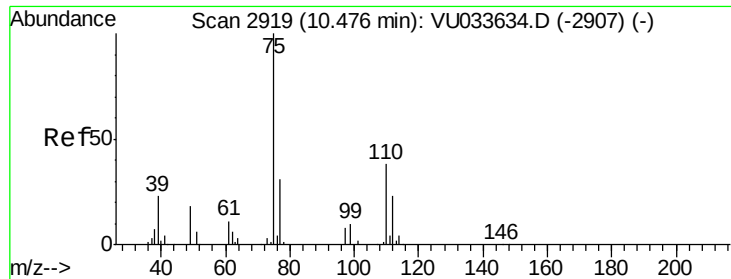


#48

2-Hexanone
Concen: 5.482 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.05 min
Lab File: VU033653.D
Acq: 08 Aug 2019 21:15

Tgt Ion: 43 Resp: 16309
Ion Ratio Lower Upper
43 100
58 32.3 44.8 67.2#
57 33.8 15.5 23.3#
100 0.3 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 4.592 ug/L

RT: 11.47 min Scan# 3227

Delta R.T. 0.99 min

Lab File: VU033653.D

Acq: 08 Aug 2019 21:15

Instrument :

MSVOA_U

ClientSampleId :

F2B04

Tgt Ion: 75 Resp: 15594

Ion Ratio Lower Upper

75 100

77 37.8 25.5 38.3

