

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082418\
 Data File : VU026346.D
 Acq On : 24 Aug 2018 20:13
 Operator : MD/SY
 Sample : J4644-12 40X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 25 04:28:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 25 04:25:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	309318	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	299140	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	143833	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	76133	40.35	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.70%
7) Chloroethane-d5	1.68	69	63852	41.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.27	63	115168	31.06	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.12%
21) 2-Butanone-d5	4.18	46	141392	93.90	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.90%
24) Chloroform-d	4.65	84	181543	43.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.34%
26) 1,2-Dichloroethane-d4	5.31	65	122864	44.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.80%
32) Benzene-d6	5.34	84	357229	44.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.28%
36) 1,2-Dichloropropane-d6	6.33	67	115426	44.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	89.84%
41) Toluene-d8	7.57	98	315391	41.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.46%
43) trans-1,3-Dichloropropene-	7.85	79	54600	41.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.26%
47) 2-Hexanone-d5	8.31	63	98170	89.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.39%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	168763	44.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	140311	45.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.94%

Target Compounds

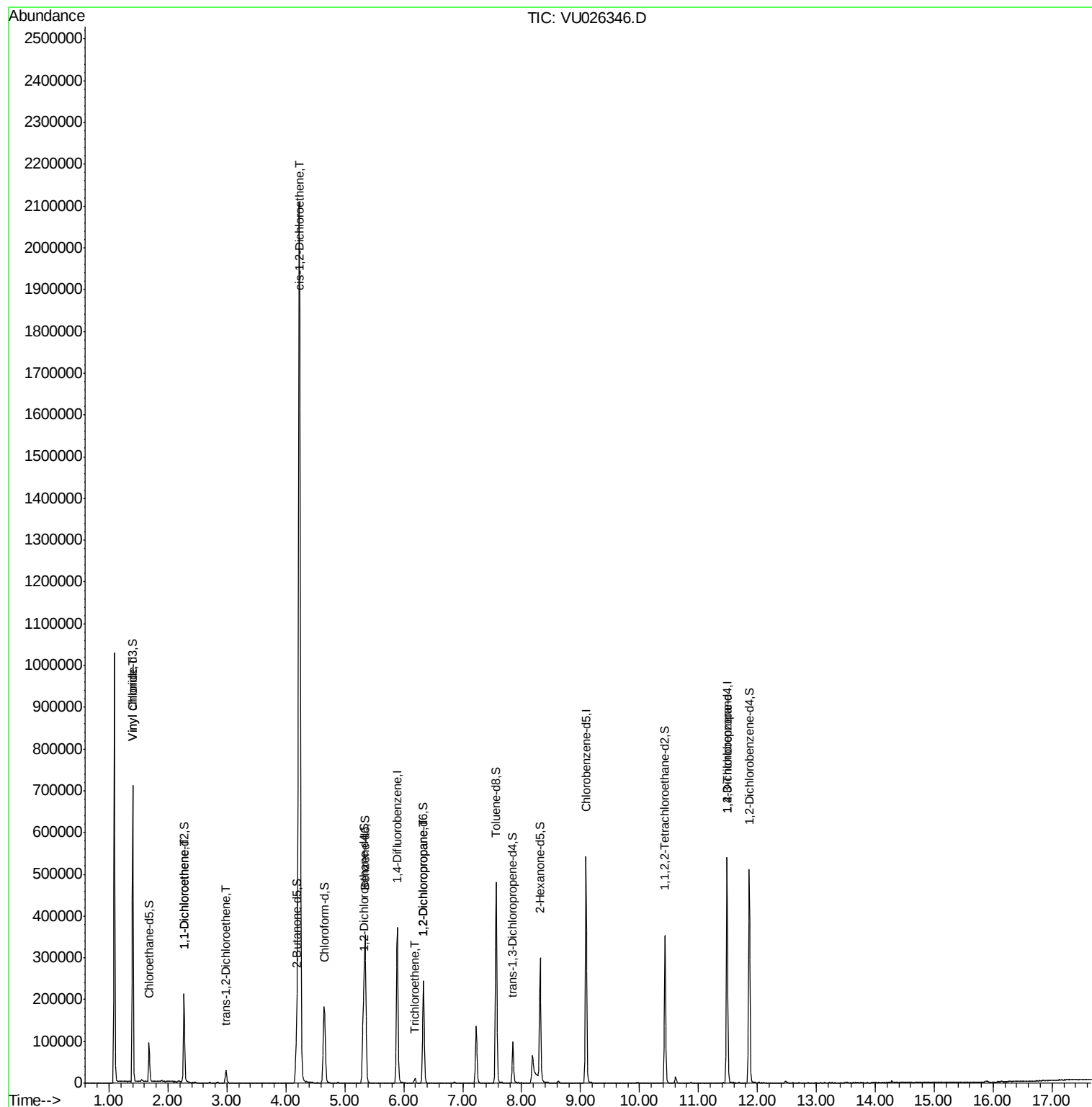
					Ovalue
5) Vinyl chloride	1.40	62	375260	166.327 ug/L	97
12) 1,1-Dichloroethene	2.28	96	2480	1.523 ug/L #	1
17) trans-1,2-Dichloroethene	2.99	96	11983	5.972 ug/L	91
20) cis-1,2-Dichloroethene	4.23	96	1205805	544.384 ug/L	96
34) Trichloroethene	6.19	95	3779	1.752 ug/L	95
37) 1,2-Dichloropropane	6.33	63	13077	5.867 ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	15541	5.593 ug/L #	84

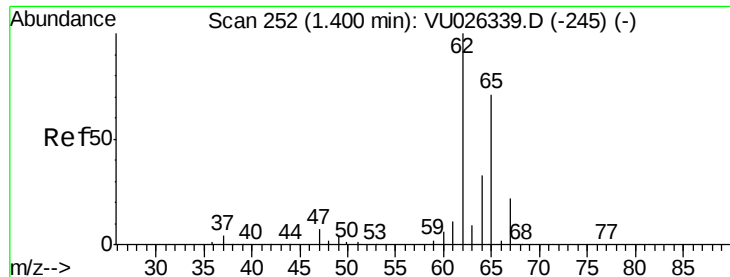
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 25 04:25:01 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 166.327 ug/L

RT: 1.40 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU026346.D

Acq: 24 Aug 2018 20:13

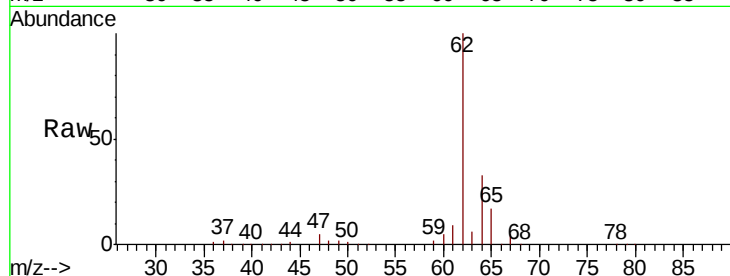
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 375260

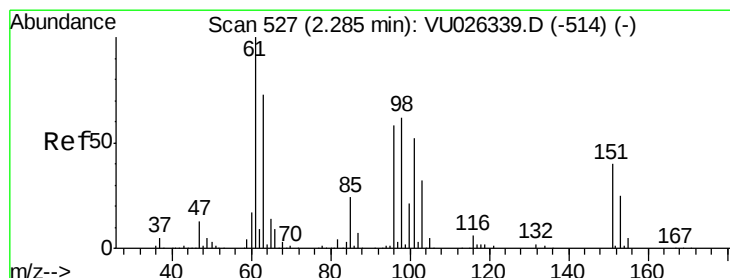
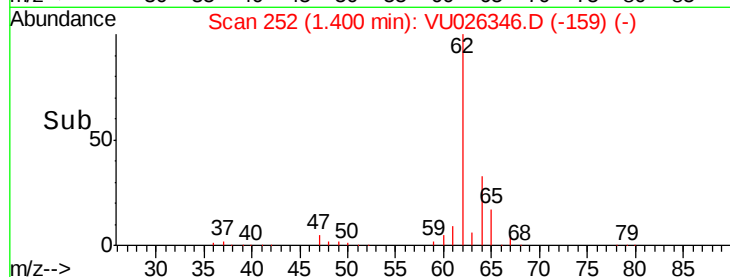
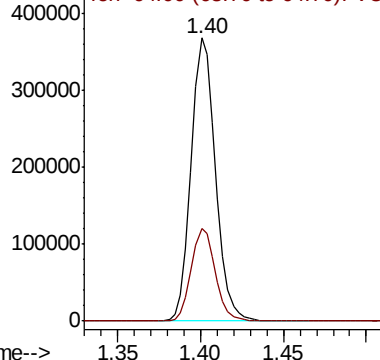
Ion Ratio Lower Upper

62 100

64 32.6 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 1.523 ug/L

RT: 2.28 min Scan# 525

Delta R.T. -0.01 min

Lab File: VU026346.D

Acq: 24 Aug 2018 20:13

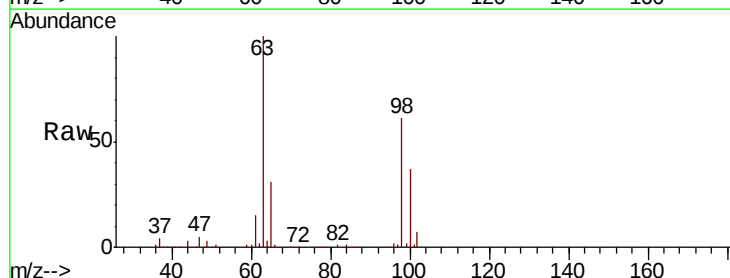
Tgt Ion: 96 Resp: 2480

Ion Ratio Lower Upper

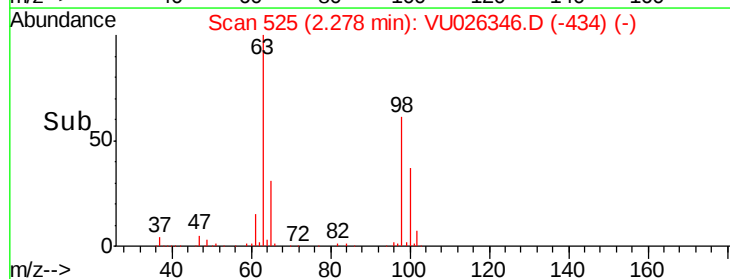
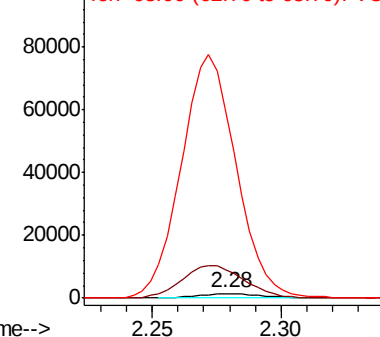
96 100

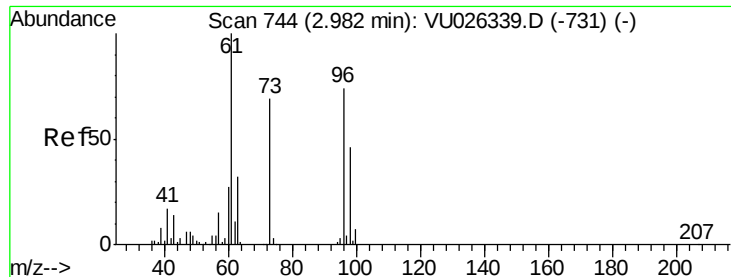
61 623.2 124.7 231.5#

63 4081.8 93.7 174.1#



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





#17

trans-1,2-Dichloroethene

Concen: 5.972 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026346.D

Acq: 24 Aug 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

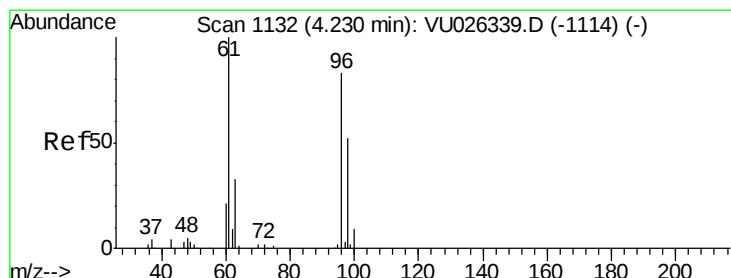
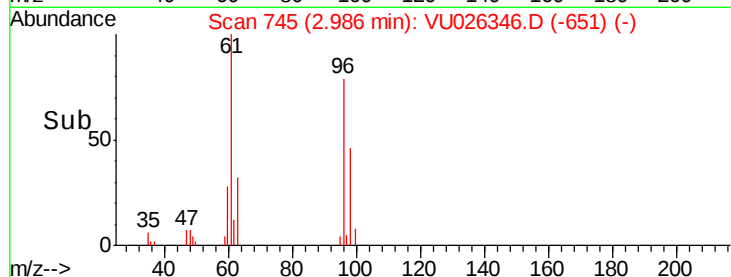
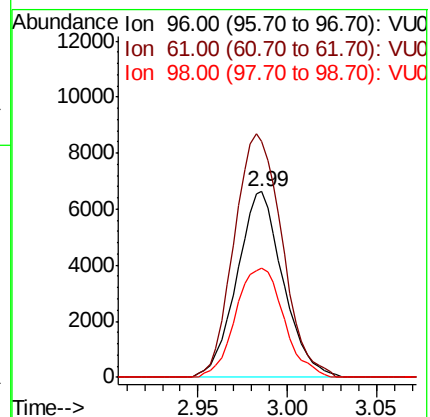
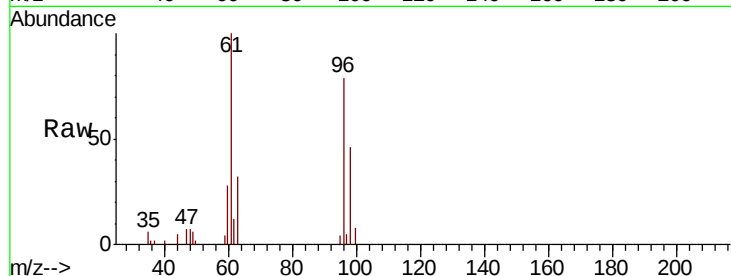
Tot Ion: 96 Resp: 11983

Ion Ratio Lower Upper

96 100

61 127.1 97.9 181.9

98 58.9 45.1 83.7



#20

cis-1,2-Dichloroethene

Concen: 544.384 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026346.D

Acq: 24 Aug 2018 20:13

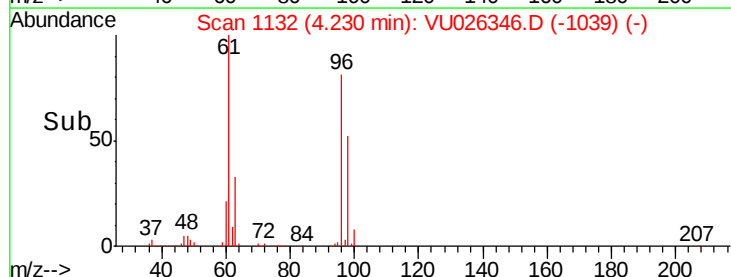
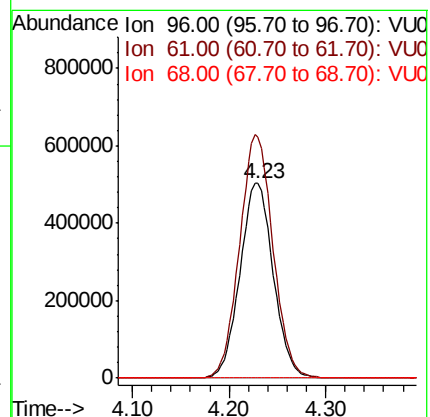
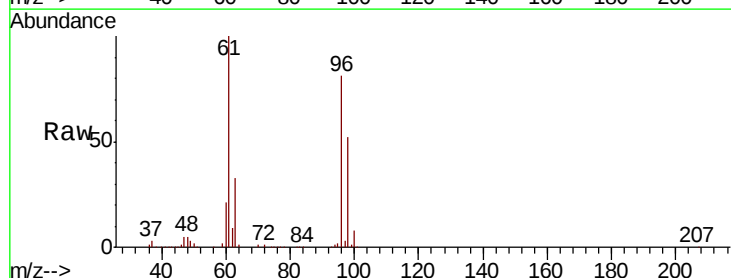
Tgt Ion: 96 Resp: 1205805

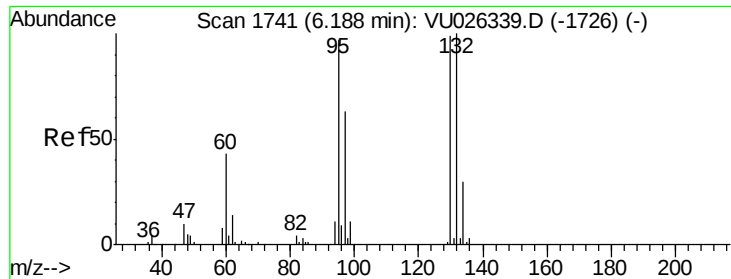
Ion Ratio Lower Upper

96 100

61 123.9 90.3 167.7

68 0.0 0.0 0.0

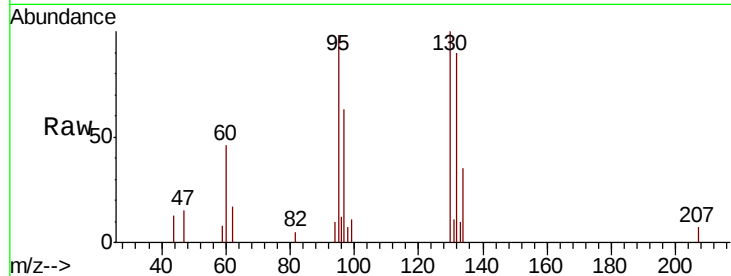




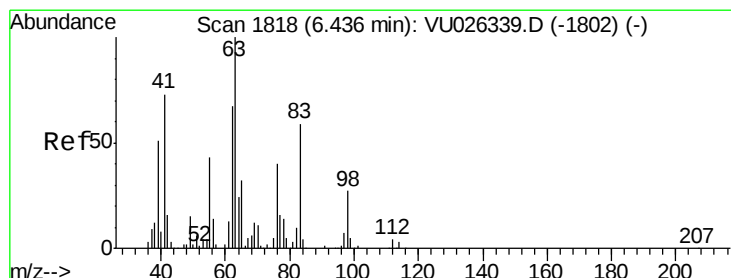
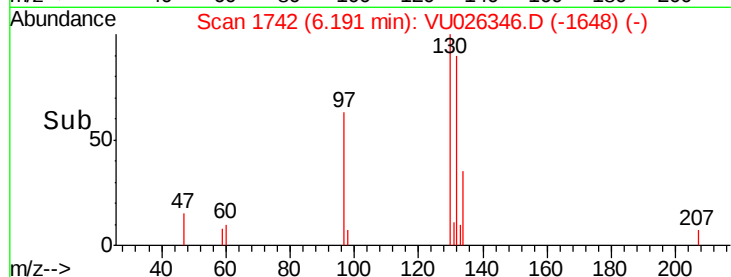
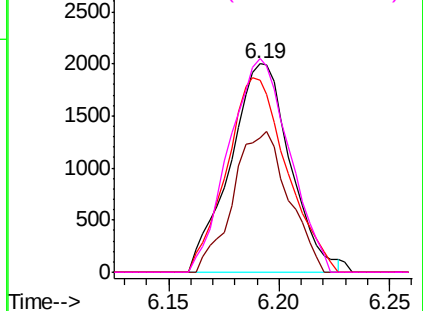
#34
 Trichloroethene
 Concen: 1.752 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU026346.D
 Acq: 24 Aug 2018 20:13

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 3779
 Ion Ratio Lower Upper
 95 100
 97 64.5 47.2 87.6
 132 92.0 70.2 130.4
 130 102.4 73.4 136.4

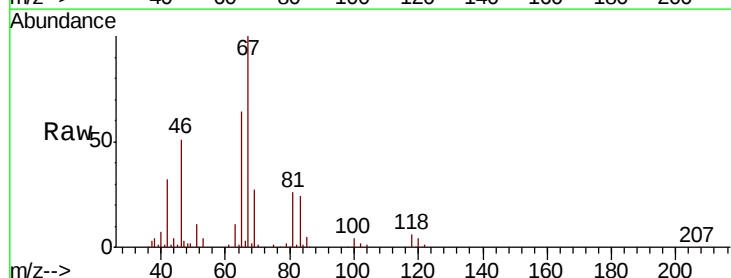


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

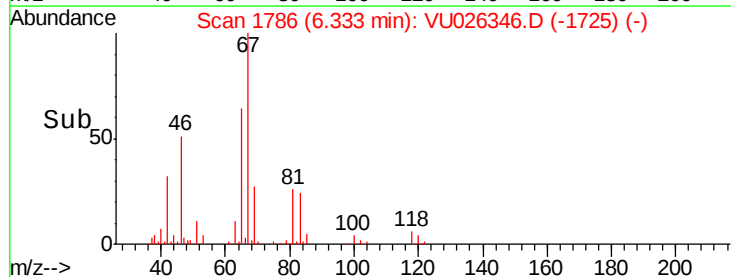
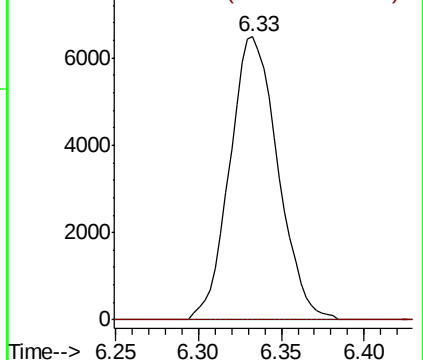


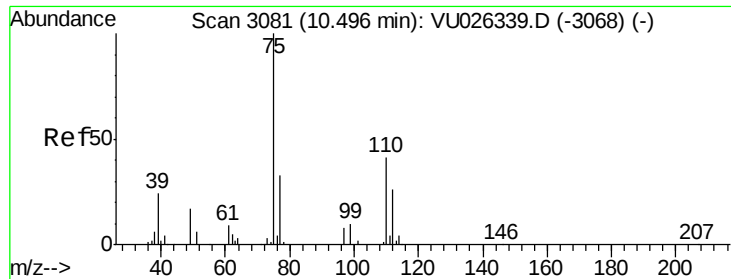
#37
 1,2-Dichloropropane
 Concen: 5.867 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026346.D
 Acq: 24 Aug 2018 20:13

Tgt Ion: 63 Resp: 13077
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 112.00 (111.70 to 112.70): V





#59

1,2,3-Trichloropropane

Concen: 5.593 ug/L

RT: 11.48 min Scan# 3388

Delta R.T. 0.99 min

Lab File: VU026346.D

Acq: 24 Aug 2018 20:13

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15541

Ion Ratio Lower Upper

75 100

77 40.6 25.5 38.3#

