

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082318\
 Data File : VU026319.D
 Acq On : 23 Aug 2018 23:19
 Operator : MD/SY
 Sample : J4622-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 24 02:09:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:06:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	303959	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	295771	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	139805	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	86383	46.59	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.18%
7) Chloroethane-d5	1.68	69	74260	49.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.24%
11) 1,1-Dichloroethene-d2	2.27	63	127636	35.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.06%
21) 2-Butanone-d5	4.18	46	141451	95.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.60%
24) Chloroform-d	4.65	84	195317	47.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.54%
26) 1,2-Dichloroethane-d4	5.31	65	129276	48.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.14%
32) Benzene-d6	5.35	84	377716	47.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.48%
36) 1,2-Dichloropropane-d6	6.33	67	124134	48.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.72%
41) Toluene-d8	7.57	98	341595	45.17	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.34%
43) trans-1,3-Dichloropropene-	7.85	79	56699	43.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.38%
47) 2-Hexanone-d5	8.31	63	98016	90.27	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.27%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	168864	44.91	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.82%
64) 1,2-Dichlorobenzene-d4	11.86	152	142798	48.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.28%

Target Compounds

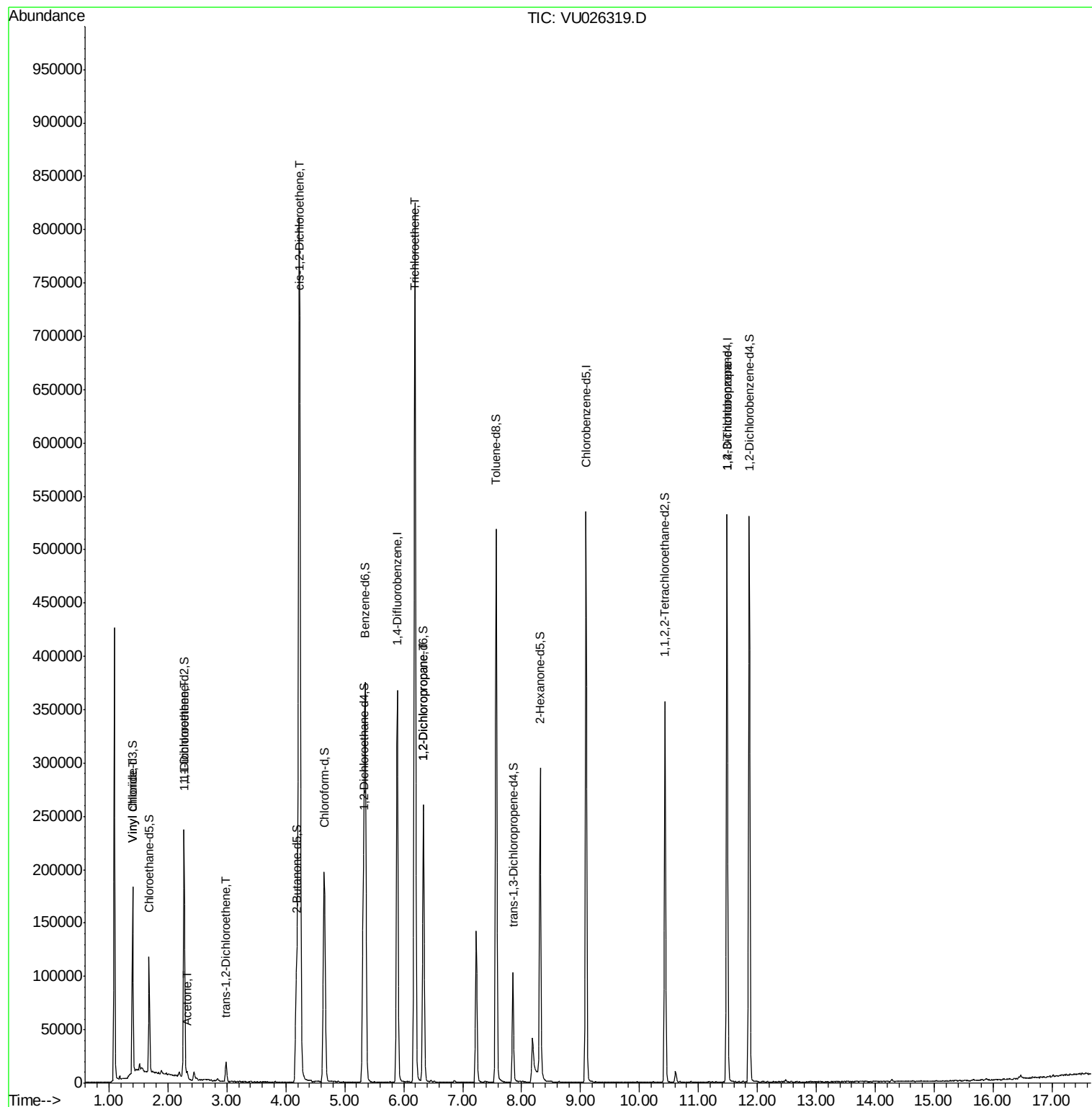
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	28144	12.694	ug/L	88
12) 1,1-Dichloroethene	2.28	96	2599	1.625	ug/L #	1
13) Acetone	2.32	43	6085	5.314	ug/L	99
17) trans-1,2-Dichloroethene	2.99	96	7381	3.743	ug/L	93
20) cis-1,2-Dichloroethene	4.23	96	456355	209.663	ug/L	100
34) Trichloroethene	6.19	95	279259	130.970	ug/L	99
37) 1,2-Dichloropropane	6.33	63	13395	6.078	ug/L #	87
59) 1,2,3-Trichloropropane	11.48	75	15524	5.651	ug/L	89

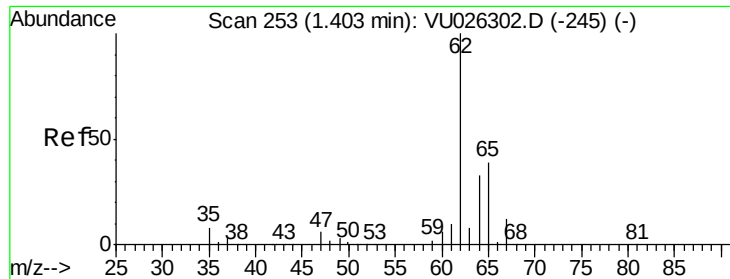
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 12.694 ug/L

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU026319.D

Acq: 23 Aug 2018 23:19

Instrument :

MSVOA_U

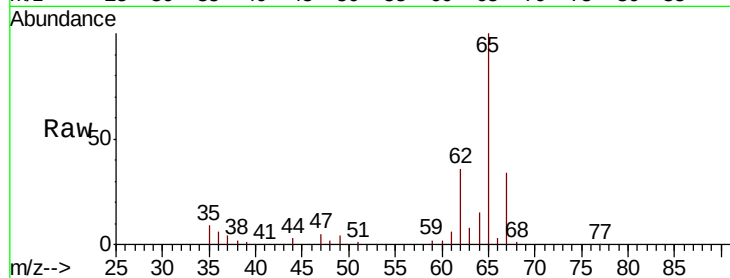
ClientSampled :

Tot Ion: 62 Resp: 28144

Ion Ratio Lower Upper

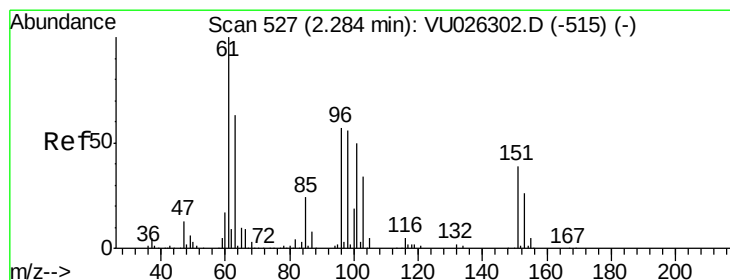
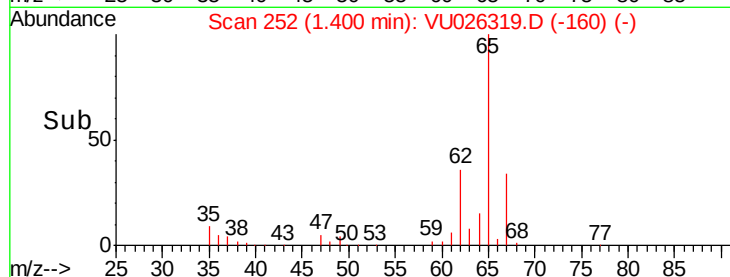
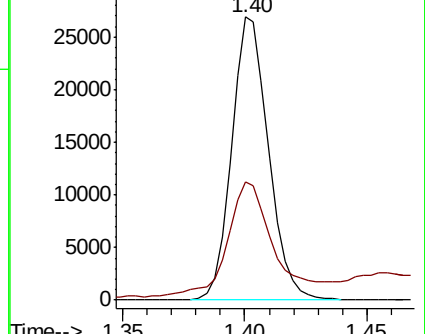
62 100

64 41.6 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: 1.625 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU026319.D

Acq: 23 Aug 2018 23:19

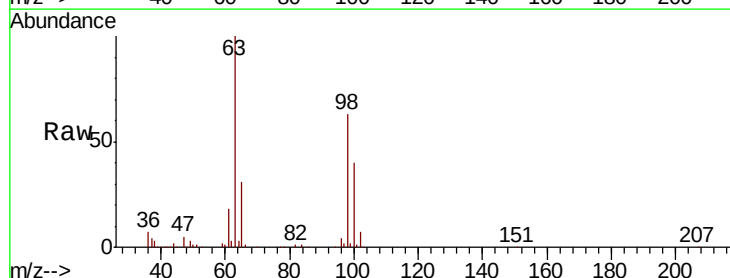
Tgt Ion: 96 Resp: 2599

Ion Ratio Lower Upper

96 100

61 466.9 124.7 231.5#

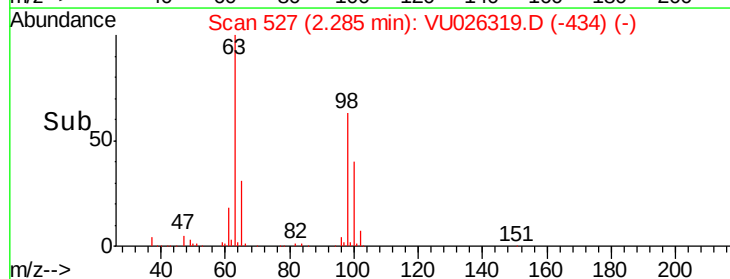
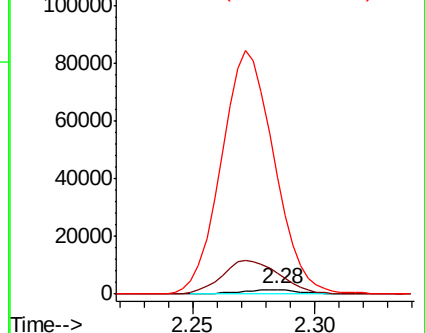
63 2573.5 93.7 174.1#

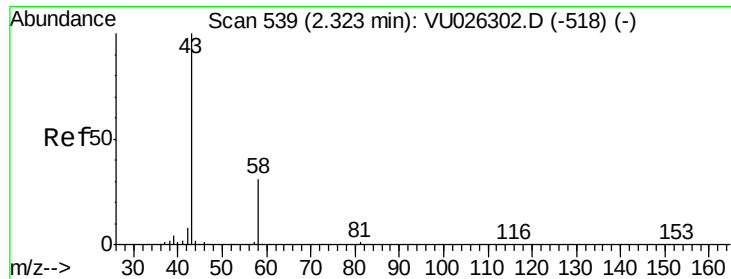


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.314 ug/L

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU026319.D

Acq: 23 Aug 2018 23:19

Instrument :

MSVOA_U

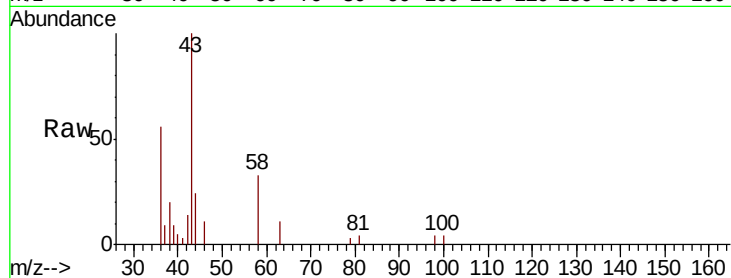
ClientSampled :

Tot Ion: 43 Resp: 6085

Ion Ratio Lower Upper

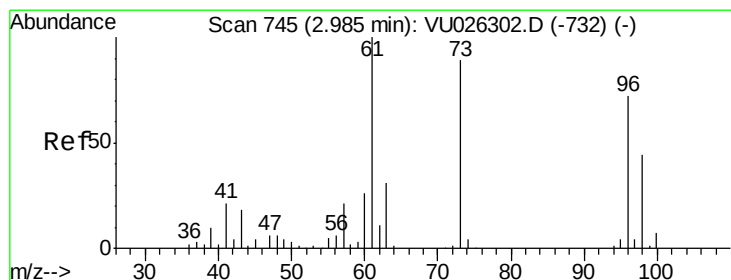
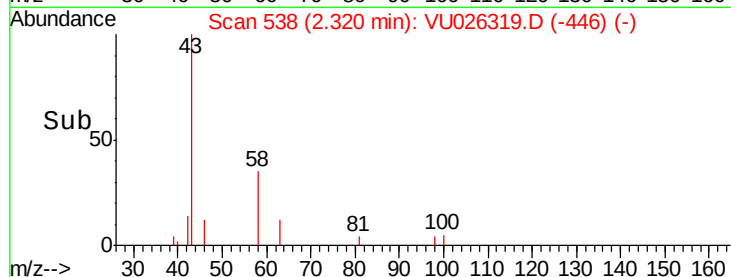
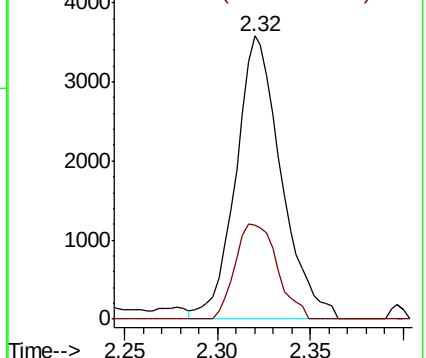
43 100

58 31.1 0.0 61.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 3.743 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU026319.D

Acq: 23 Aug 2018 23:19

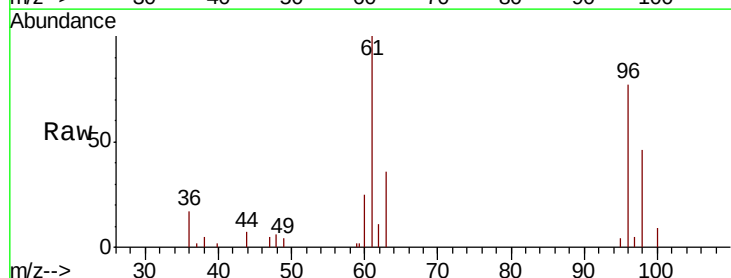
Tgt Ion: 96 Resp: 7381

Ion Ratio Lower Upper

96 100

61 129.9 97.9 181.9

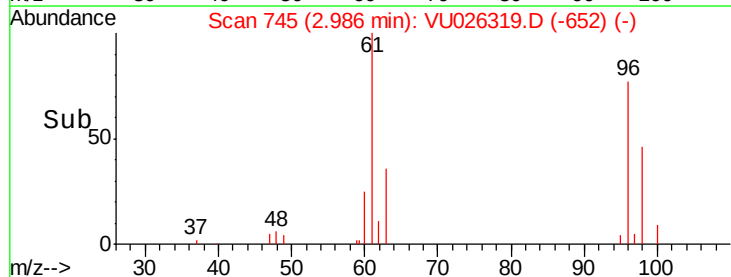
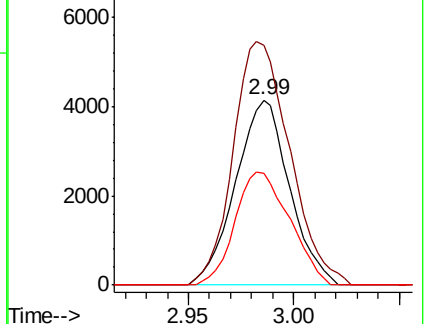
98 60.4 45.1 83.7

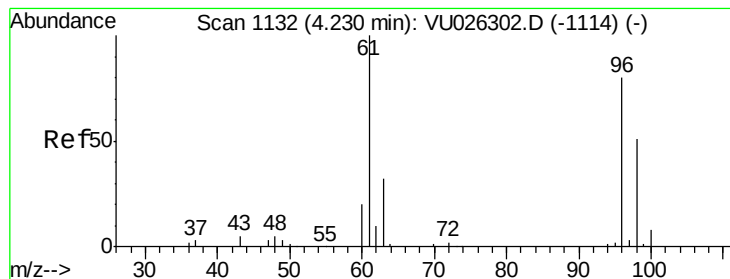


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 209.663 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU026319.D

Acq: 23 Aug 2018 23:19

Instrument :
MSVOA_U
ClientSampled :

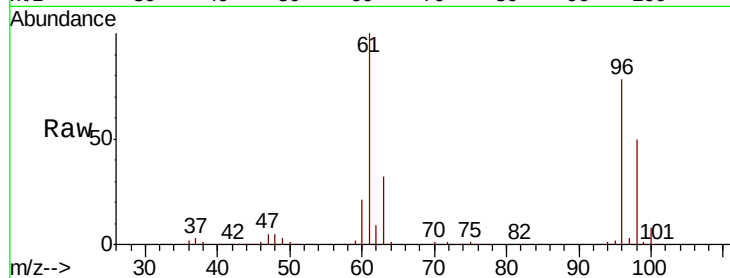
Tot Ion: 96 Resp: 456355

Ion Ratio Lower Upper

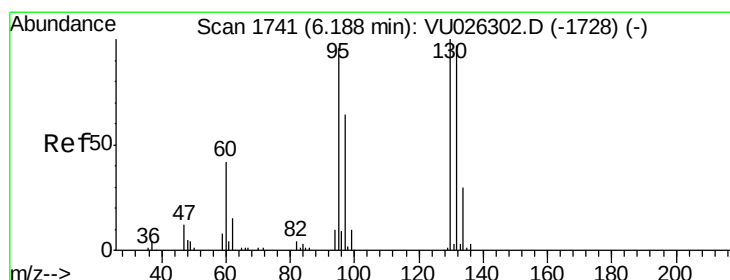
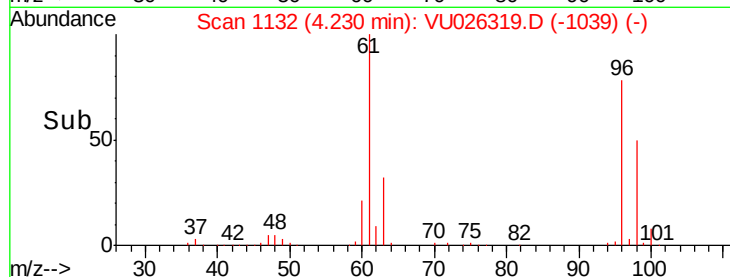
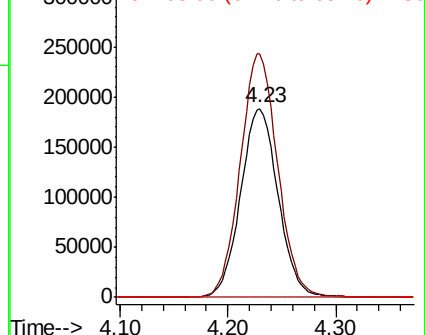
96 100

61 128.7 90.3 167.7

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



#34

Trichloroethene

Concen: 130.970 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026319.D

Acq: 23 Aug 2018 23:19

Tgt Ion: 95 Resp: 279259

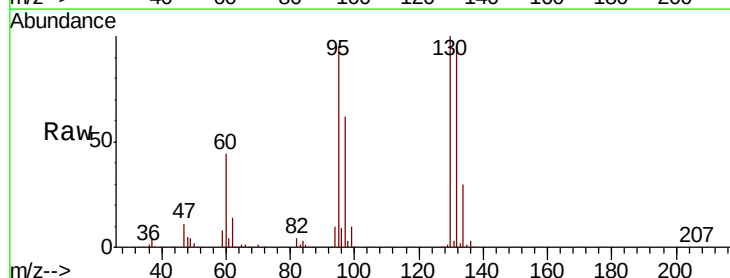
Ion Ratio Lower Upper

95 100

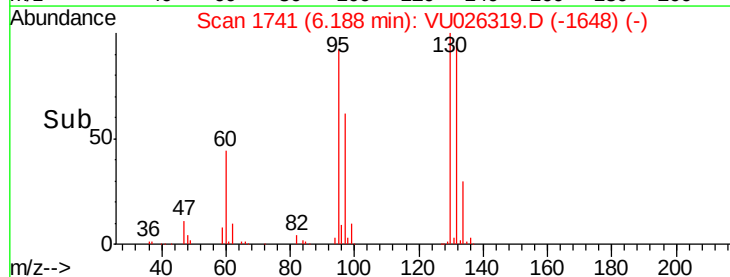
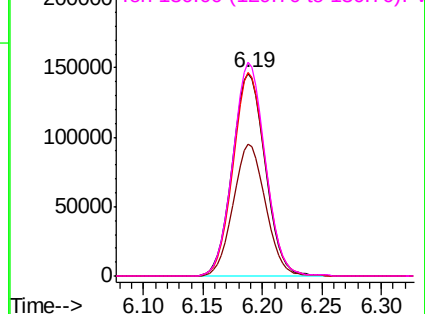
97 65.2 47.2 87.6

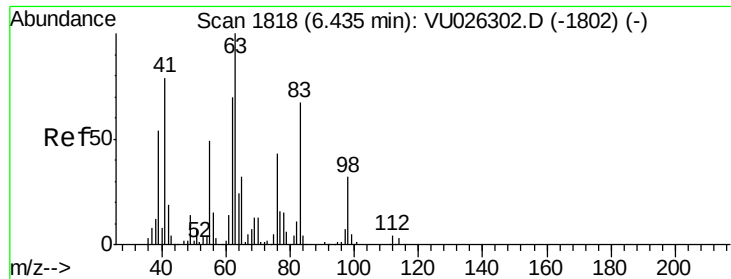
132 100.8 70.2 130.4

130 105.4 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

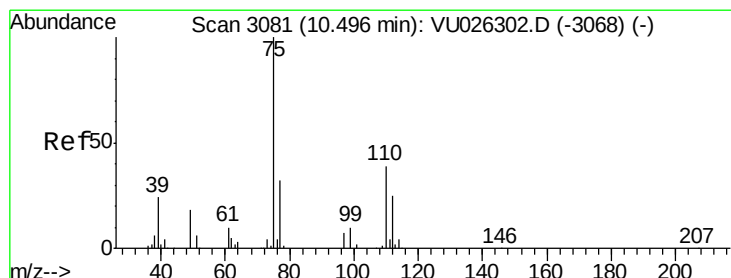
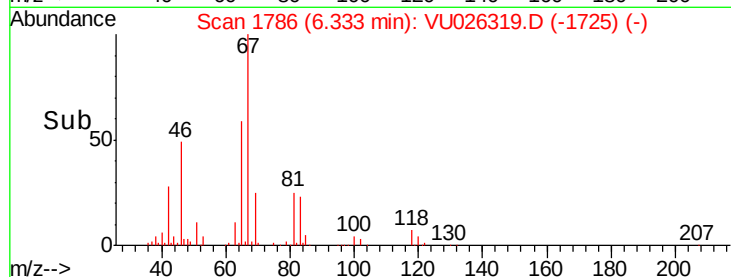
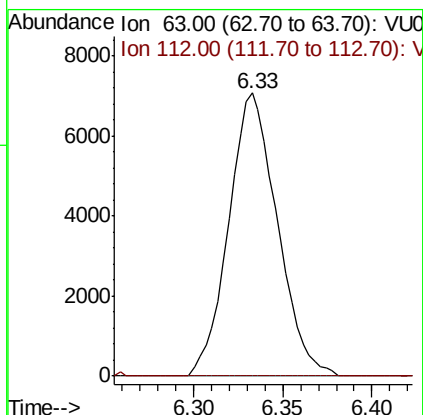
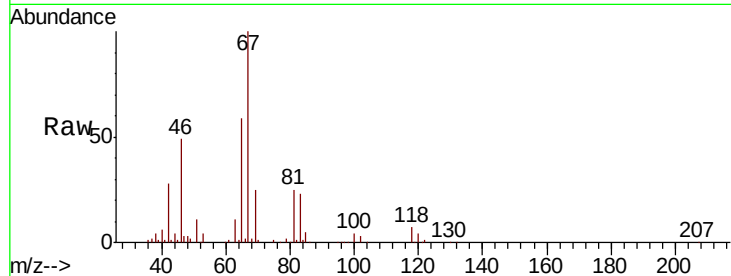




#37
 1,2-Dichloropropane
 Concen: 6.078 ug/L
 RT: 6.33 min Scan# 1786
 Delta R.T. -0.10 min
 Lab File: VU026319.D
 Acq: 23 Aug 2018 23:19

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 63 Resp: 13395
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#59
 1,2,3-Trichloropropane
 Concen: 5.651 ug/L
 RT: 11.48 min Scan# 3388
 Delta R.T. 0.99 min
 Lab File: VU026319.D
 Acq: 23 Aug 2018 23:19

Tgt Ion: 75 Resp: 15524
 Ion Ratio Lower Upper
 75 100
 77 37.9 25.5 38.3

