

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041719\
 Data File : VU031232.D
 Acq On : 16 Apr 2019 23:51
 Operator : JC/SP
 Sample : K2339-13RE
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC36

Quant Time: Apr 17 04:17:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM041719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 17 04:13:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	491839	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	465797	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	195691	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	201177	44.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.84%
7) Chloroethane-d5	1.68	69	171900	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.42%
11) 1,1-Dichloroethene-d2	2.28	63	462527	51.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.10%
21) 2-Butanone-d5	4.19	46	320238	97.07	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.07%
24) Chloroform-d	4.65	84	322895	42.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.44%
26) 1,2-Dichloroethane-d4	5.31	65	213015	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
32) Benzene-d6	5.34	84	632455	42.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.90%
36) 1,2-Dichloropropane-d6	6.33	67	222255	46.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.02%
41) Toluene-d8	7.56	98	570278	44.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.02%
43) trans-1,3-Dichloropropene-	7.85	79	94565	41.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.80%
47) 2-Hexanone-d5	8.31	63	209856	93.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.02%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294997	44.46	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.92%
64) 1,2-Dichlorobenzene-d4	11.85	152	204519	45.57	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.14%

Target Compounds

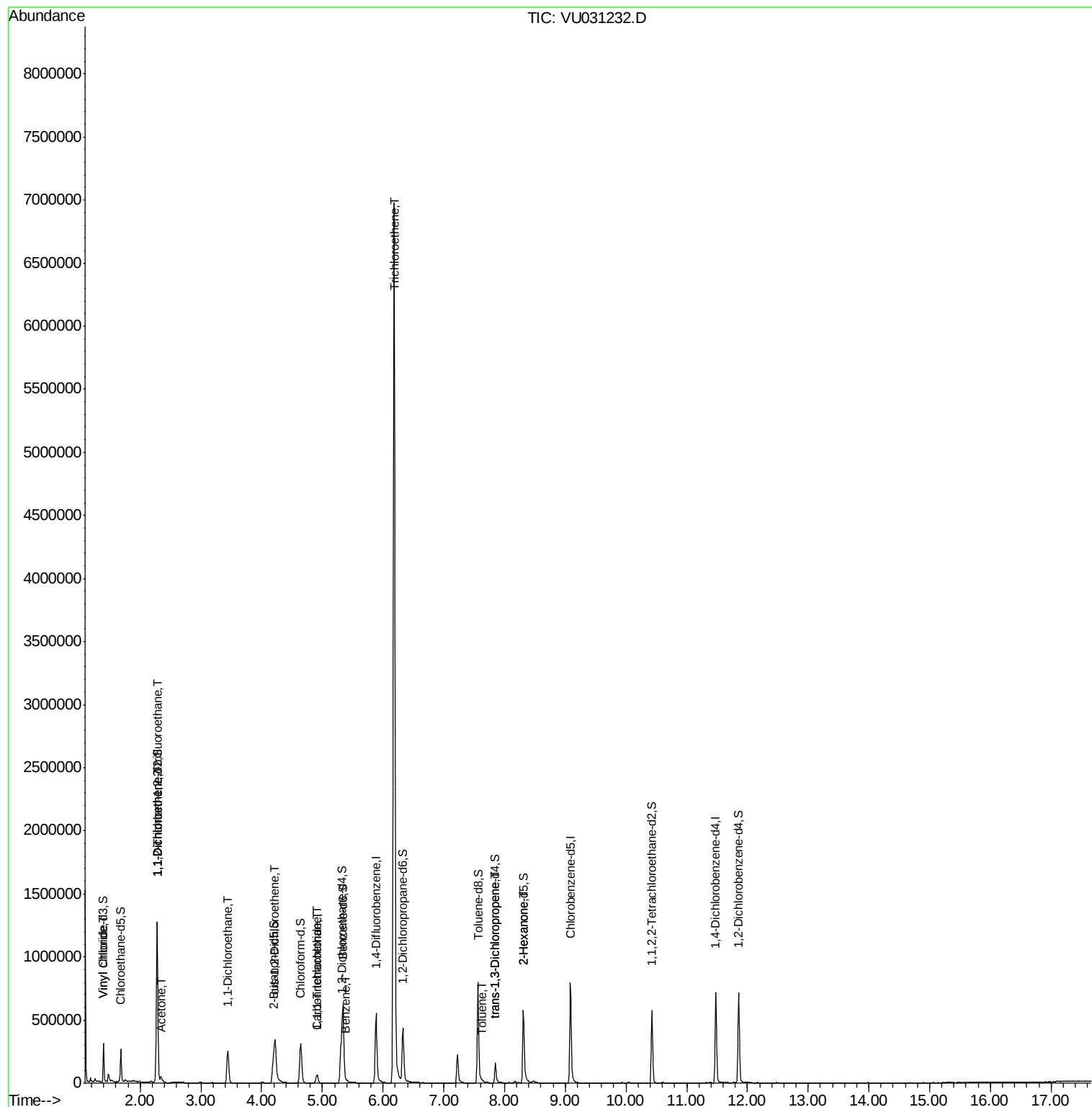
					Qvalue
5) Vinyl chloride	1.40	62	6433	1.195 ug/L #	25
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3668	0.936 ug/L #	21
12) 1,1-Dichloroethene	2.28	96	311695	81.084 ug/L #	78
13) Acetone	2.34	43	74792	29.460 ug/L	96
19) 1,1-Dichloroethane	3.44	63	280886	40.346 ug/L	99
20) cis-1,2-Dichloroethene	4.22	96	159778	39.198 ug/L	95
30) 1,1,1-Trichloroethane	4.91	97	53534	8.686 ug/L	99
31) Carbon tetrachloride	4.91	117	6638	1.245 ug/L	97
33) Benzene	5.39	78	8011	0.511 ug/L	100
34) Trichloroethene	6.18	95	2527043	644.660 ug/L	97
42) Toluene	7.64	91	5850	0.375 ug/L	88
44) trans-1,3-Dichloropropene	7.85	75	4084	0.757 ug/L	97
48) 2-Hexanone	8.31	43	24505	5.263 ug/L #	73

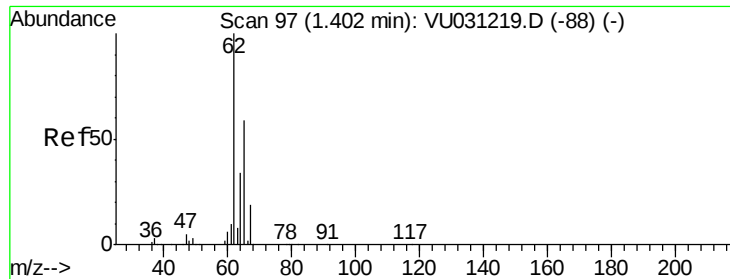
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.195 ug/L

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU031232.D

Acq: 16 Apr 2019 23:51

Instrument :

MSVOA_U

ClientSampleId :

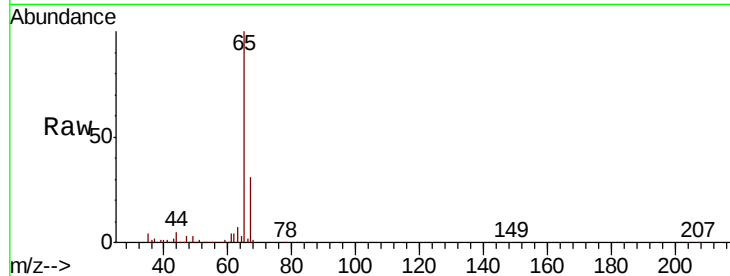
BFC36

Tgt Ion: 62 Resp: 6433

Ion Ratio Lower Upper

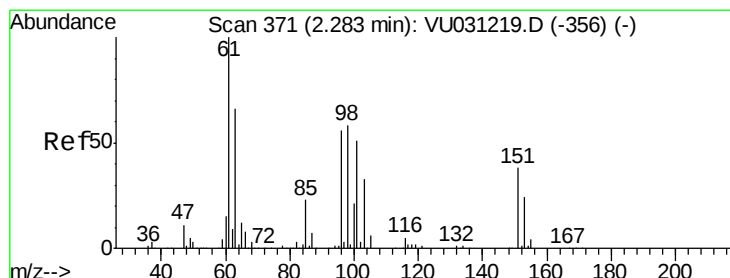
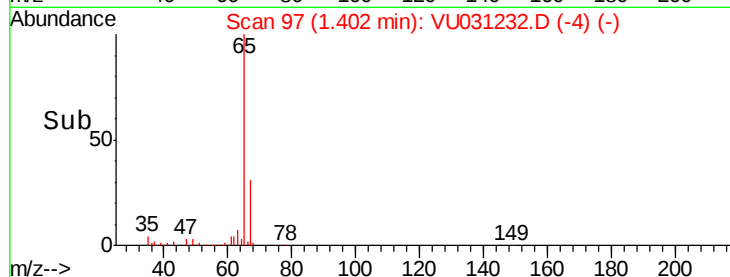
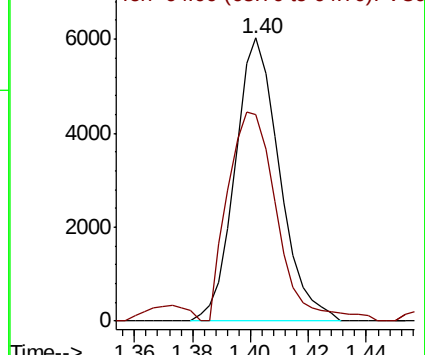
62 100

64 72.8 21.8 40.6#



Abundance Ion 62.00 (61.70 to 62.70): VU031219.D (-88) (-)

Ion 64.00 (63.70 to 64.70): VU031219.D (-88) (-)



#10

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

Concen: 0.936 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031232.D

Acq: 16 Apr 2019 23:51

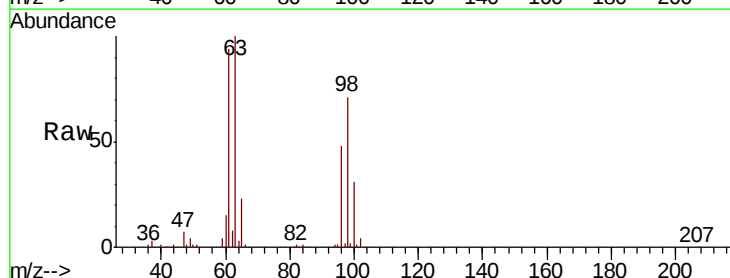
Tgt Ion: 101 Resp: 3668

Ion Ratio Lower Upper

101 100

85 2.9 35.4 53.0#

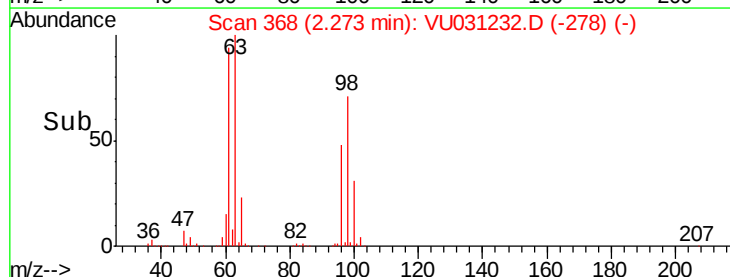
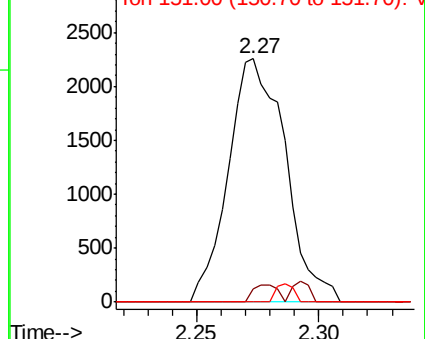
151 0.0 59.8 89.8#

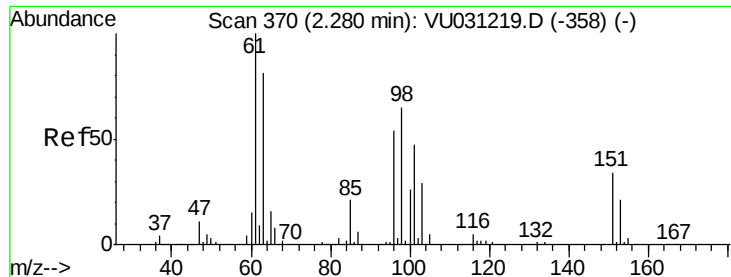


Abundance Ion 101.00 (100.70 to 101.70): VU031219.D (-356) (-)

Ion 85.00 (84.70 to 85.70): VU031219.D (-356) (-)

Ion 151.00 (150.70 to 151.70): VU031219.D (-356) (-)

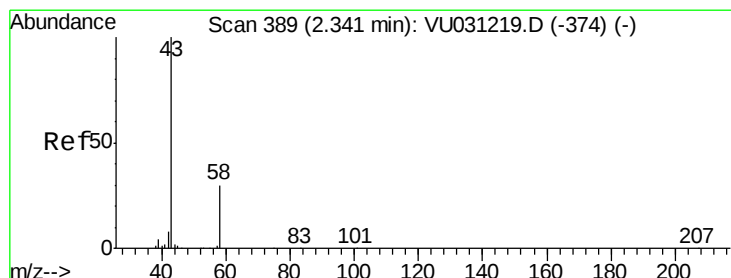
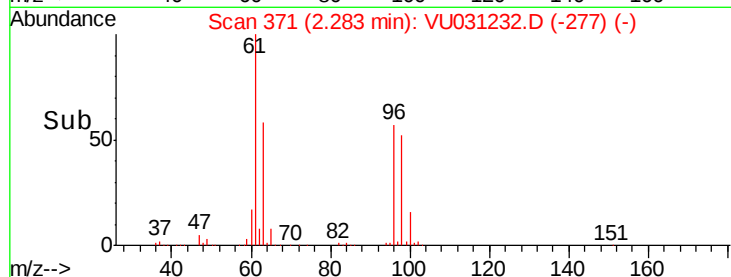
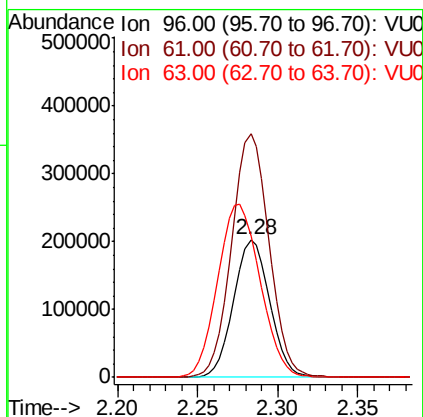
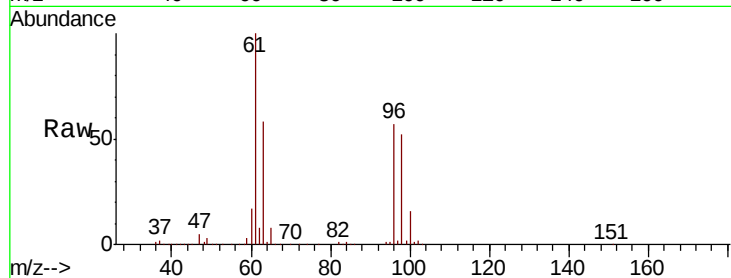




#12
 1,1-Dichloroethene
 Concen: 81.084 ug/L
 RT: 2.28 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VU031232.D
 Acq: 16 Apr 2019 23:51

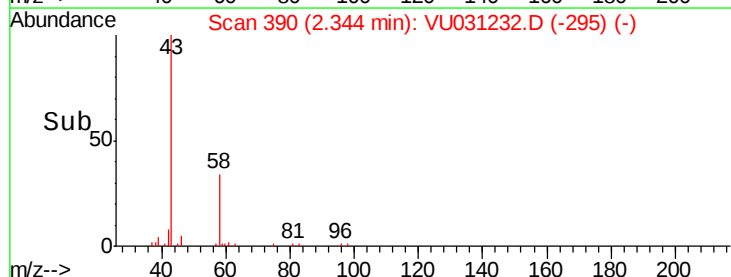
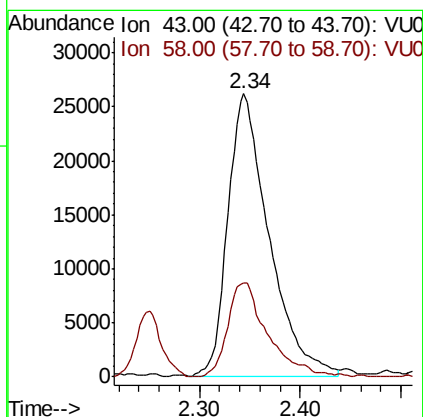
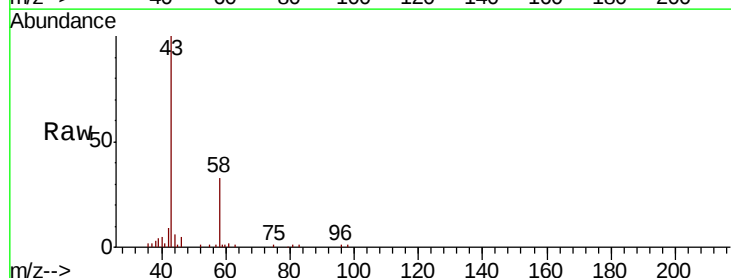
Instrument :
 MSVOA_U
 ClientSampleId :
 BFC36

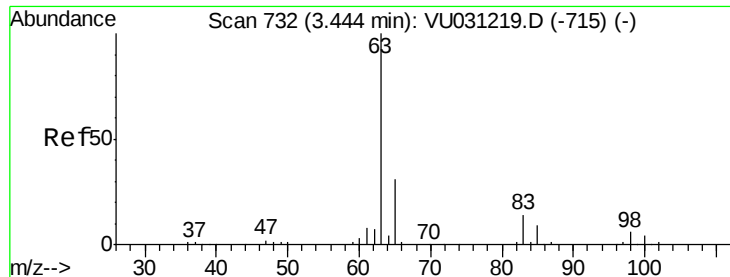
Tgt Ion: 96 Resp: 311695
 Ion Ratio Lower Upper
 96 100
 61 176.8 130.4 242.2
 63 102.5 108.9 202.3#



#13
 Acetone
 Concen: 29.460 ug/L
 RT: 2.34 min Scan# 390
 Delta R.T. 0.01 min
 Lab File: VU031232.D
 Acq: 16 Apr 2019 23:51

Tgt Ion: 43 Resp: 74792
 Ion Ratio Lower Upper
 43 100
 58 30.5 0.0 65.0

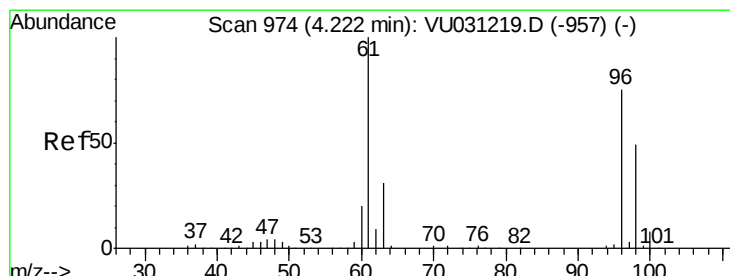
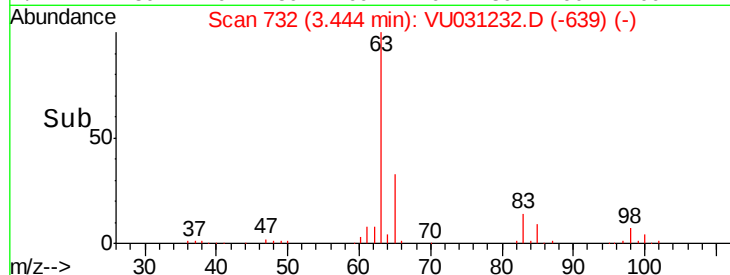
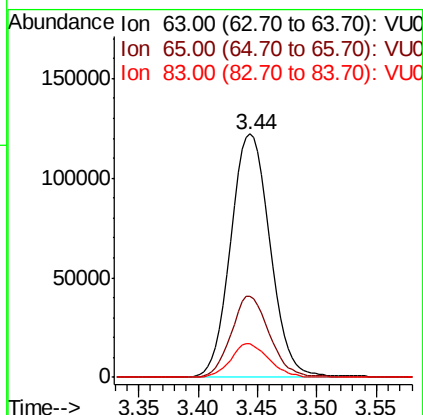
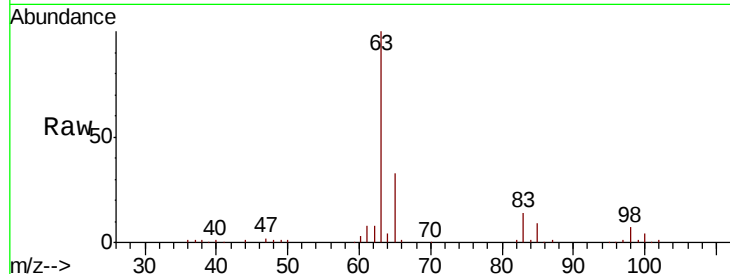




#19
 1,1-Dichloroethane
 Concen: 40.346 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: VU031232.D
 Acq: 16 Apr 2019 23:51

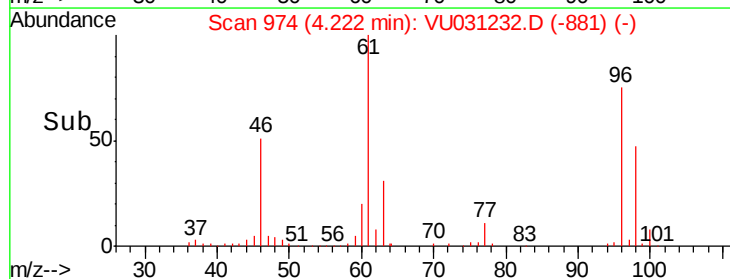
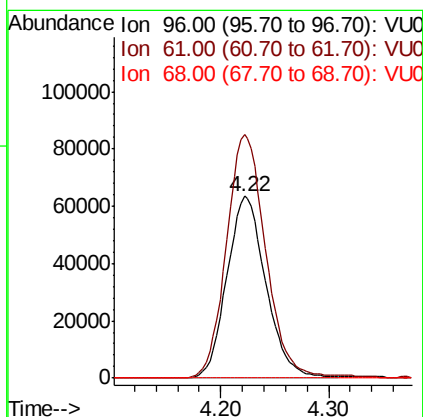
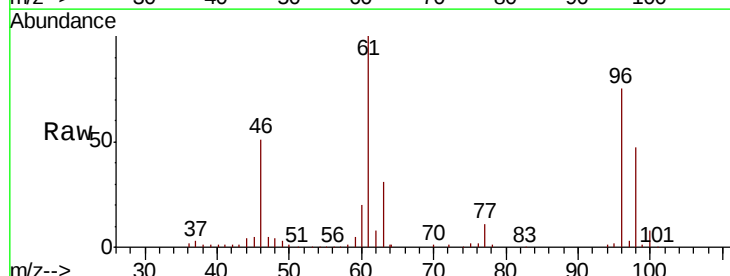
Instrument :
 MSVOA_U
 ClientSampleId :
 BFC36

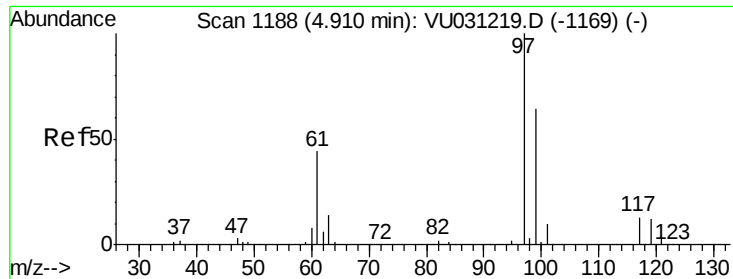
Tgt Ion: 63 Resp: 280886
 Ion Ratio Lower Upper
 63 100
 65 33.3 22.8 42.4
 83 13.6 9.7 17.9



#20
 cis-1,2-Dichloroethene
 Concen: 39.198 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. -0.00 min
 Lab File: VU031232.D
 Acq: 16 Apr 2019 23:51

Tgt Ion: 96 Resp: 159778
 Ion Ratio Lower Upper
 96 100
 61 134.1 98.2 182.4
 68 0.0 0.0 0.0

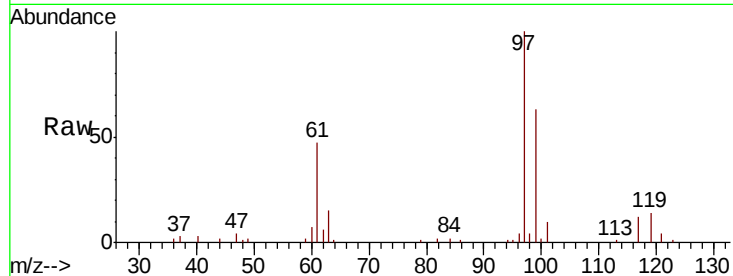




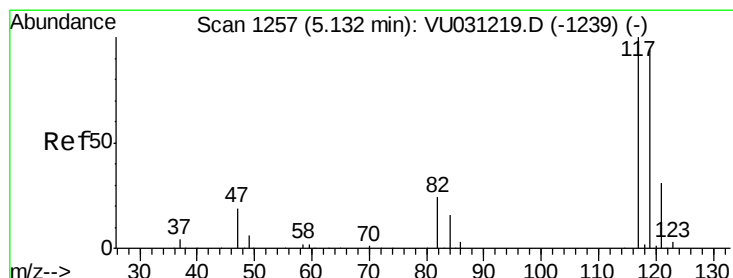
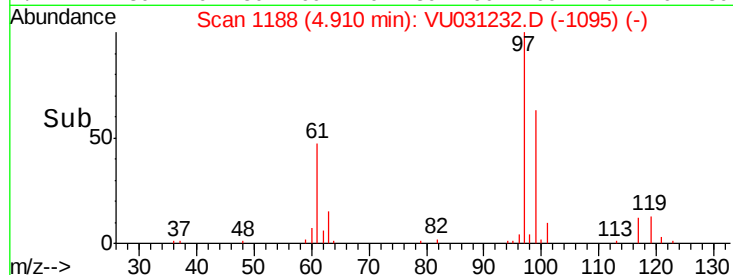
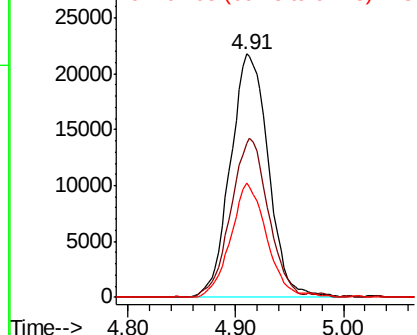
#30
 1,1,1-Trichloroethane
 Concen: 8.686 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VU031232.D
 Acq: 16 Apr 2019 23:51

Instrument :
 MSVOA_U
 ClientSampleID :
 BFC36

Tgt Ion: 97 Resp: 53534
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.4 77.2
 61 44.6 35.0 52.4

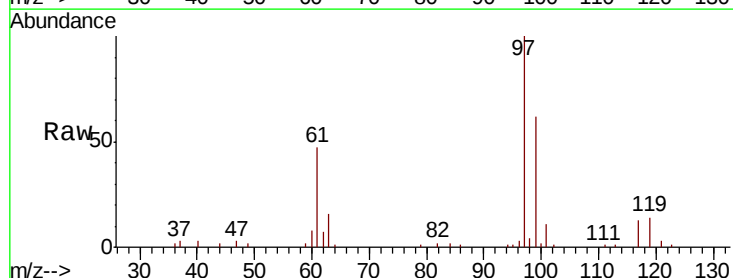


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0

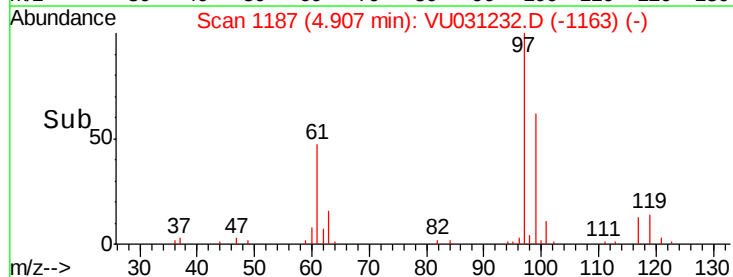
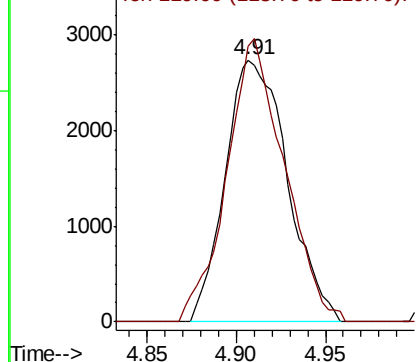


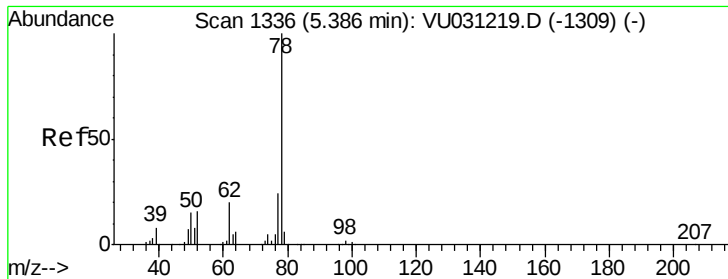
#31
 Carbon tetrachloride
 Concen: 1.245 ug/L
 RT: 4.91 min Scan# 1187
 Delta R.T. -0.22 min
 Lab File: VU031232.D
 Acq: 16 Apr 2019 23:51

Tgt Ion: 117 Resp: 6638
 Ion Ratio Lower Upper
 117 100
 119 100.2 78.0 117.0



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 0.511 ug/L

RT: 5.39 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU031232.D

Acq: 16 Apr 2019 23:51

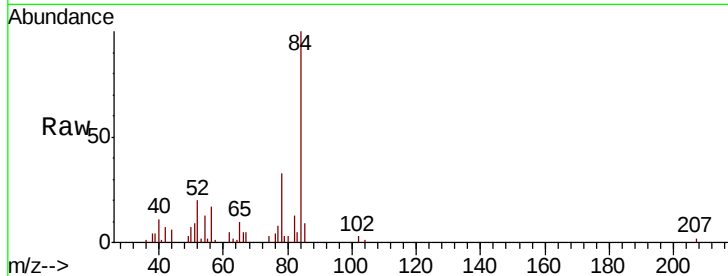
Instrument :

MSVOA_U

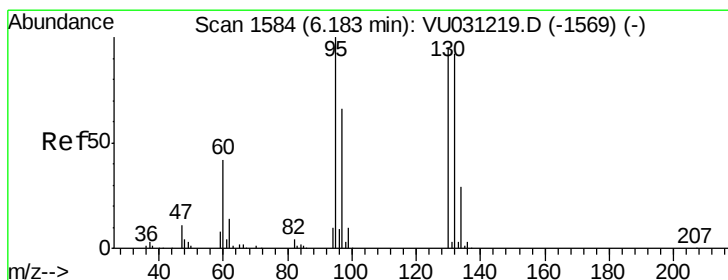
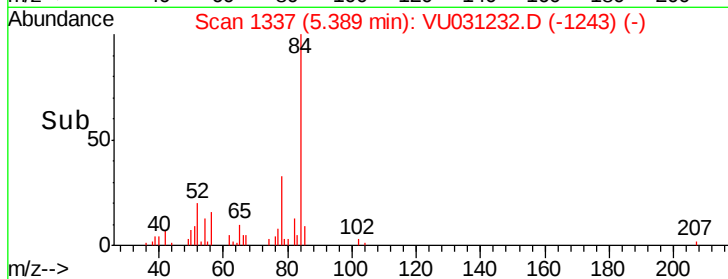
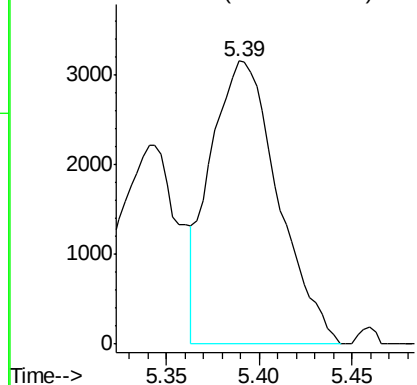
ClientSampleId :

BFC36

Tgt Ion: 78 Resp: 8011



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 644.660 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031232.D

Acq: 16 Apr 2019 23:51

Tgt Ion: 95 Resp: 2527043

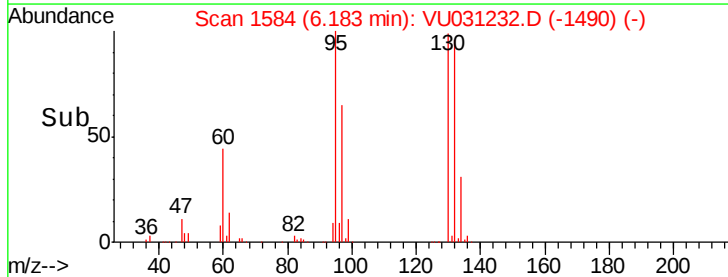
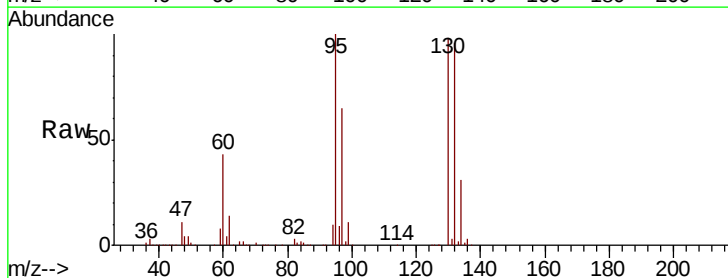
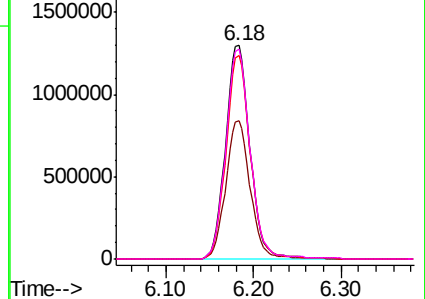
Ion	Ratio	Lower	Upper
95	100		
97	64.8	43.6	81.0
132	95.5	64.5	119.7
130	98.1	68.0	126.2

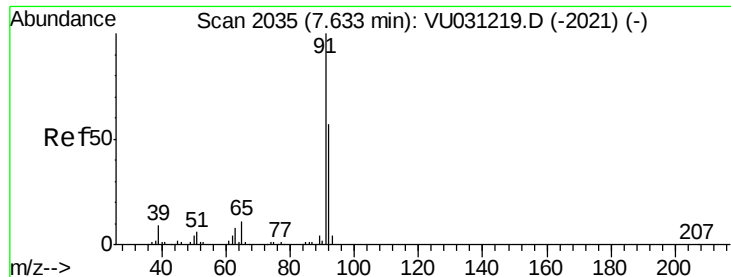
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#42

Toluene

Concen: 0.375 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU031232.D

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ClientSampleId :

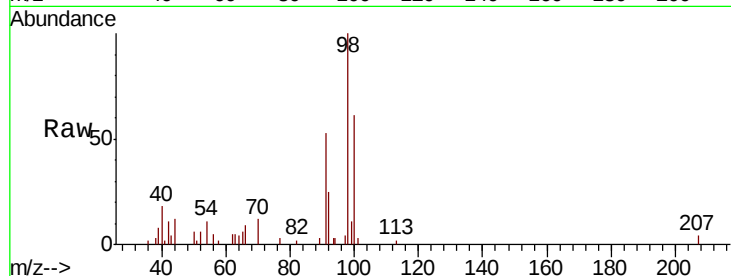
BFC36

Tgt Ion: 91 Resp: 5850

Ion Ratio Lower Upper

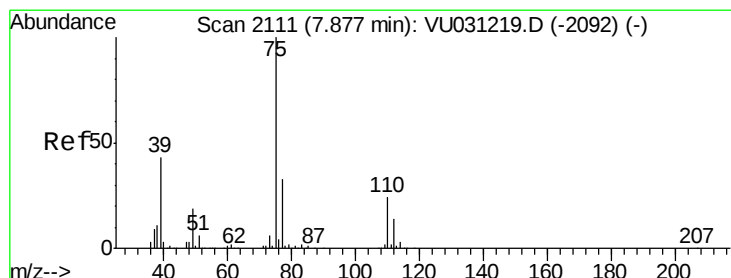
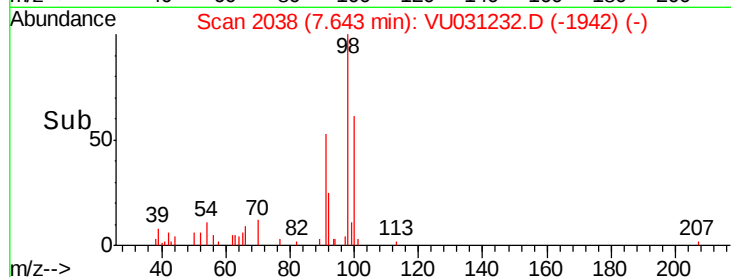
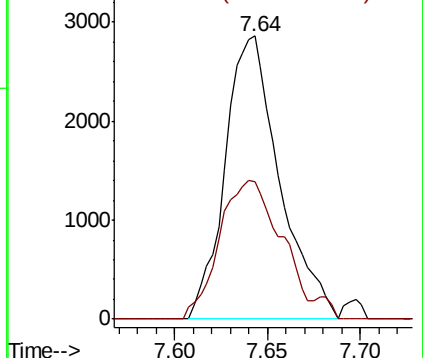
91 100

92 48.5 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VU031219.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU031219.D (-2021) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.757 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031232.D

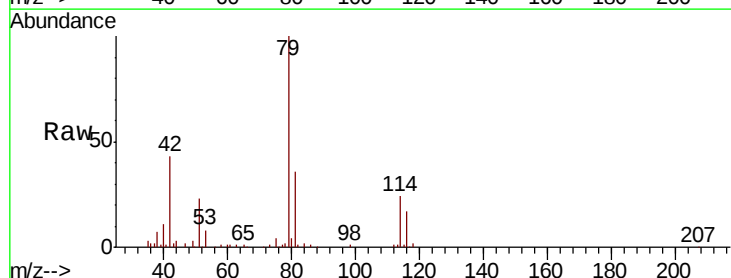
Acq: 16 Apr 2019 23:51

Tgt Ion: 75 Resp: 4084

Ion Ratio Lower Upper

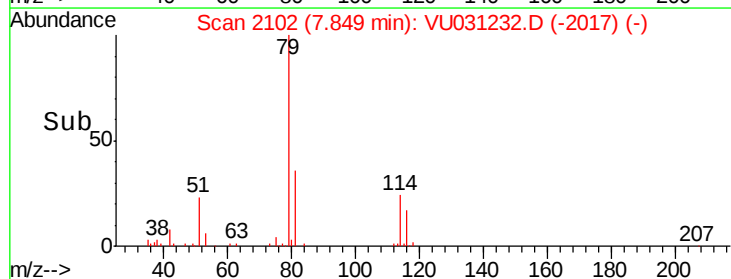
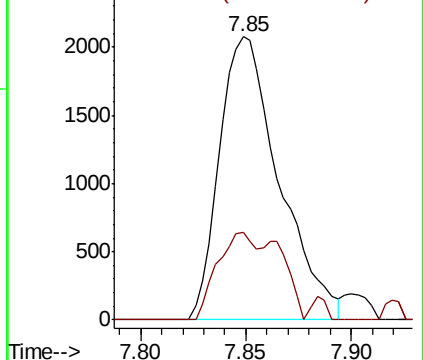
75 100

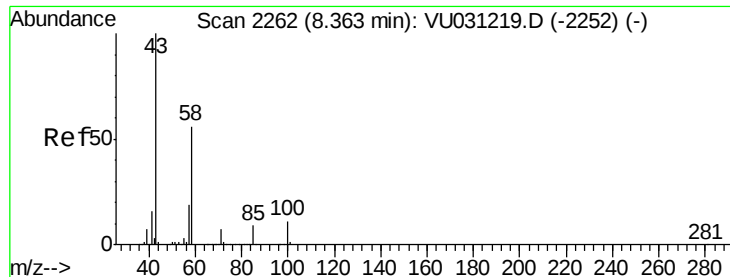
77 30.8 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU031219.D (-2092) (-)

Ion 77.00 (76.70 to 77.70): VU031219.D (-2092) (-)





#48

2-Hexanone

Concen: 5.263 ug/L

RT: 8.31 min Scan# 2245

Delta R.T. -0.05 min

Lab File: VU031232.D

Acq: 16 Apr 2019 23:51

Instrument :

MSVOA_U

ClientSampleId :

BFC36

Tgt Ion: 43 Resp: 24505

Ion Ratio Lower Upper

43 100

58 34.9 44.9 67.3#

57 29.2 15.1 22.7#

100 0.9 8.6 13.0#

