

Data File : VU031148.D
Acq On : 12 Apr 2019 22:49
Operator : JC/SP
Sample : K2339-15
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFC39

Quant Time: Apr 13 01:08:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 01:01:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	504793	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	492893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	210081	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	206622	45.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.70%
7) Chloroethane-d5	1.68	69	160755	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.27	63	931319	114.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	228.54%#
21) 2-Butanone-d5	4.17	46	315137	88.24	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.24%
24) Chloroform-d	4.64	84	330019	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	5.31	65	219590	46.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.50%
32) Benzene-d6	5.33	84	662870	46.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.14%
36) 1,2-Dichloropropane-d6	6.33	67	224115	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.90%
41) Toluene-d8	7.56	98	579645	45.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.90%
43) trans-1,3-Dichloropropene-	7.85	79	92444	41.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.22%
47) 2-Hexanone-d5	8.31	63	186324	82.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	82.67%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	298785	44.92	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	210303	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Qvalue
5) Vinyl chloride	1.40	62	51403	9.259	ug/L 89
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	7054	1.952	ug/L # 85
12) 1,1-Dichloroethene	2.28	96	1153524	330.580	ug/L # 75
13) Acetone	2.32	43	8229	2.252	ug/L 93
16) Methylene chloride	2.70	84	5131	1.210	ug/L 93
19) 1,1-Dichloroethane	3.44	63	321239	42.014	ug/L 96
20) cis-1,2-Dichloroethene	4.22	96	107061	26.171	ug/L 95
30) 1,1,1-Trichloroethane	4.91	97	38378	6.389	ug/L 99
34) Trichloroethene	6.18	95	723265	182.825	ug/L 98
46) Tetrachloroethene	8.22	164	426110	148.152	ug/L 98
48) 2-Hexanone	8.37	43	15040	2.625	ug/L # 80
59) 1,2,3-Trichloropropane	11.48	75	24221	4.428	ug/L 92

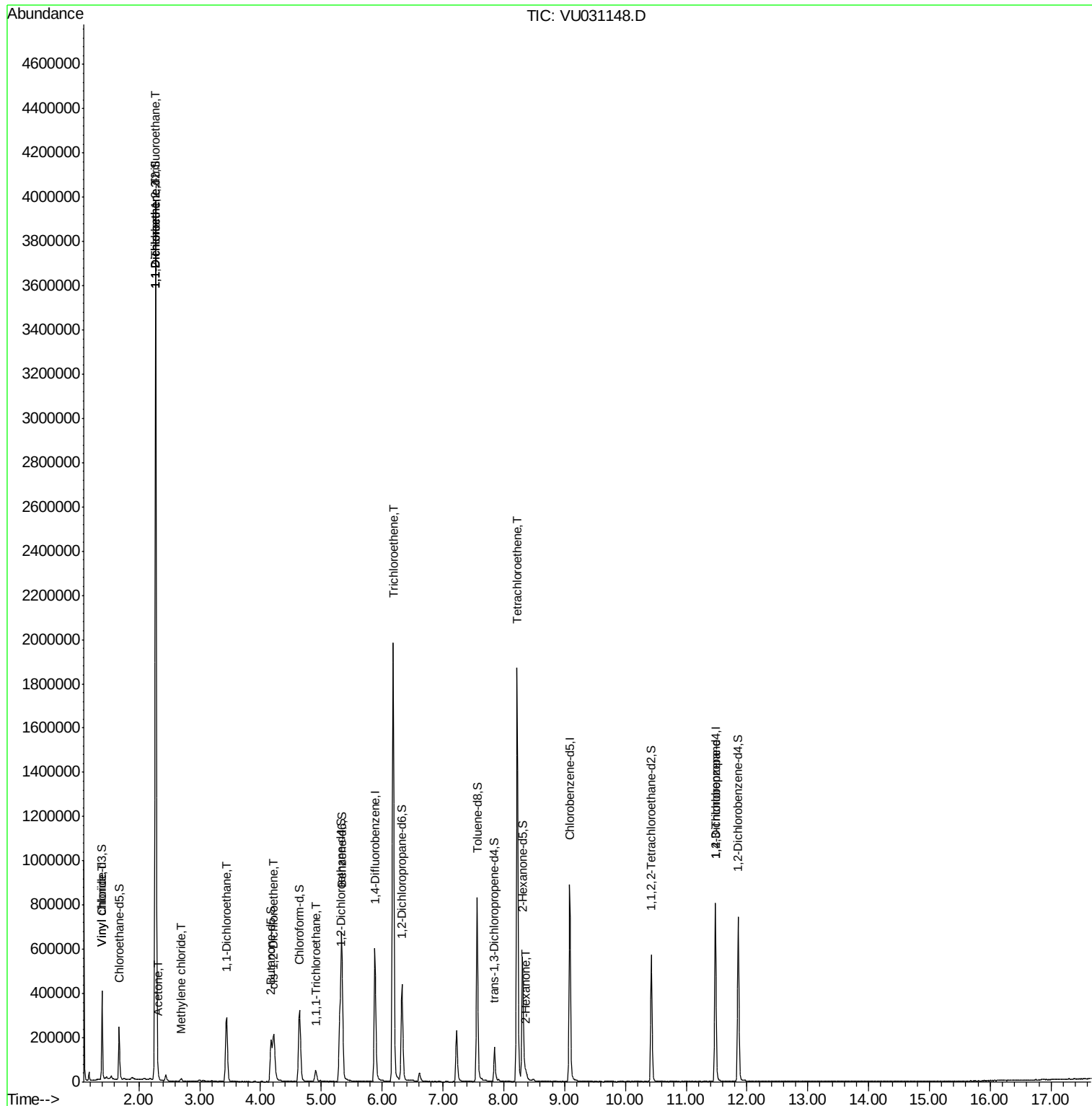
(#) = qualifier out of range (m) = manual integration (+) = signals summed

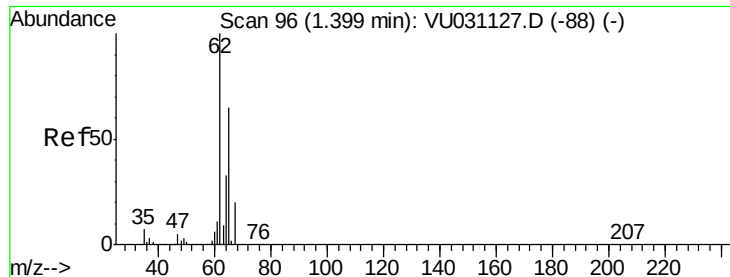
Data File : VU031148.D

```
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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.259 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031148.D

Acq: 12 Apr 2019 22:49

Instrument :

MSVOA_U

ClientSampled :

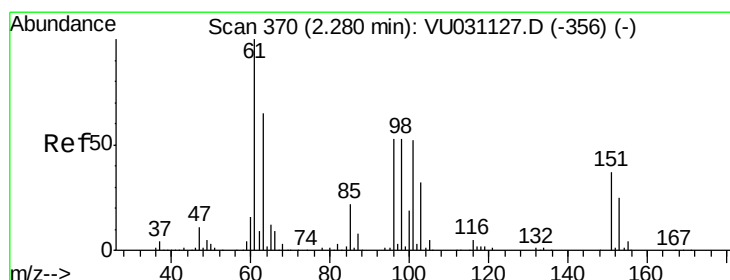
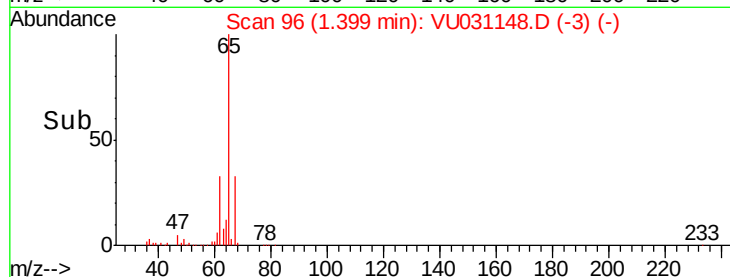
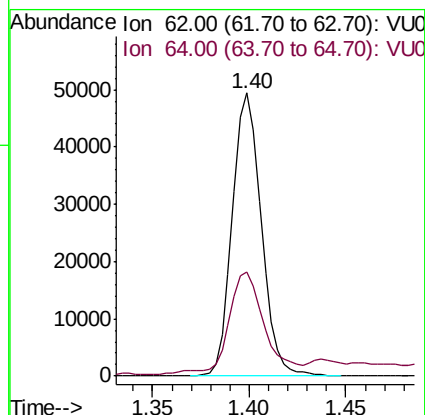
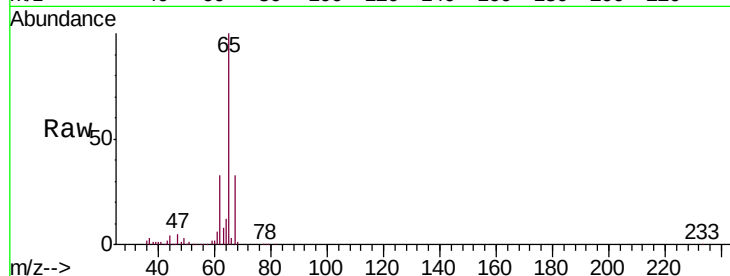
BFC39

Tgt Ion: 62 Resp: 51403

Ion Ratio Lower Upper

62 100

64 36.7 21.5 39.9



#10

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

Concen: 1.952 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031148.D

Acq: 12 Apr 2019 22:49

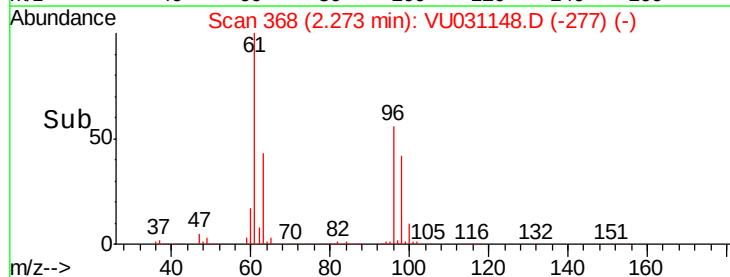
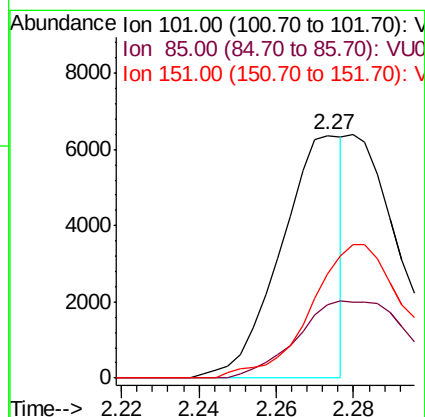
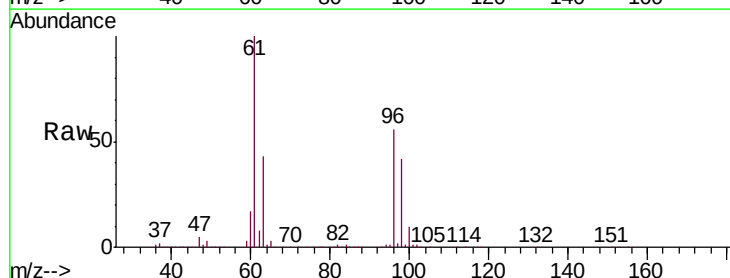
Tgt Ion: 101 Resp: 7054

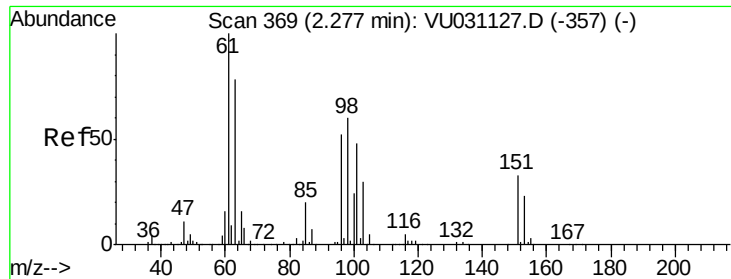
Ion Ratio Lower Upper

101 100

85 35.8 36.8 55.2#

151 84.1 57.4 86.0

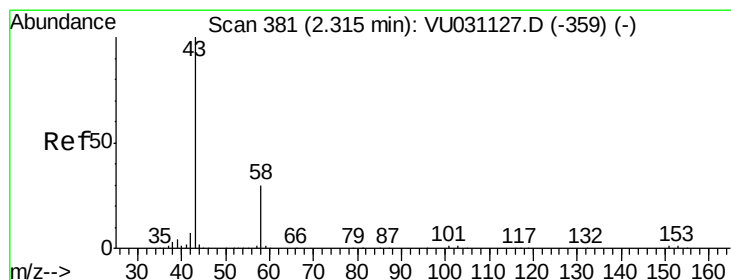
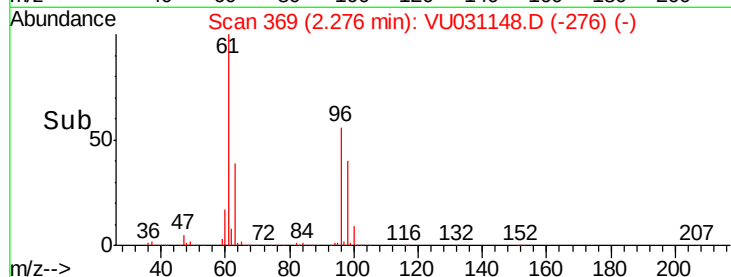
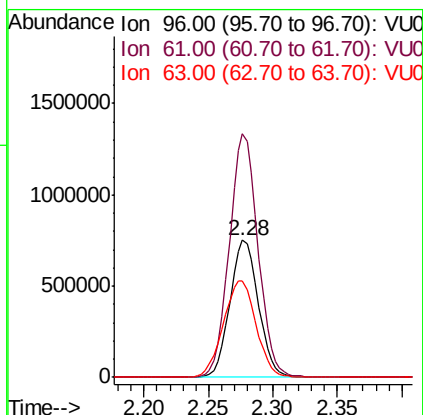
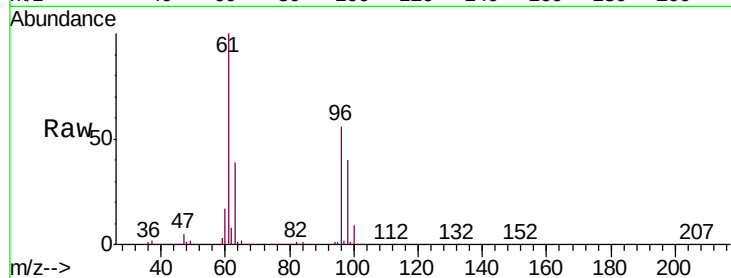




#12
 1,1-Dichloroethene
 Concen: 330.580 ug/L
 RT: 2.28 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VU031148.D
 Acq: 12 Apr 2019 22:49

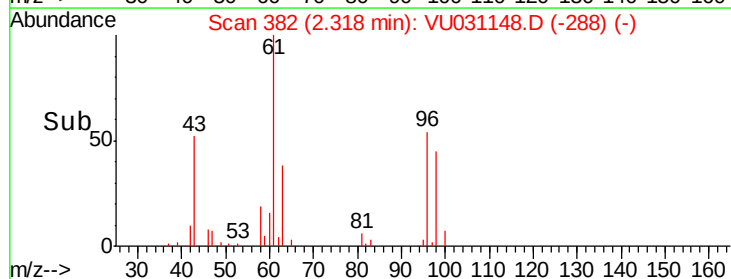
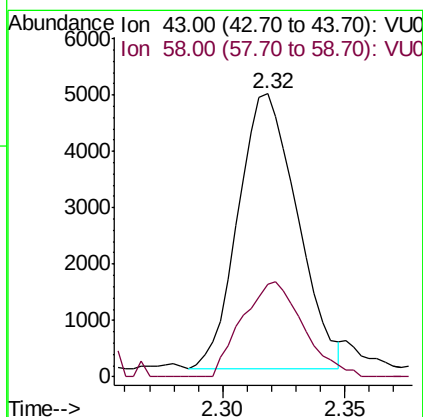
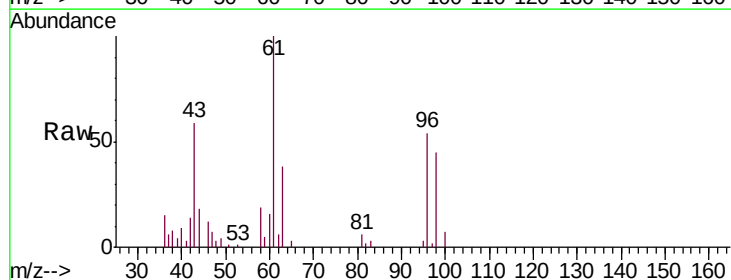
Instrument :
 MSVOA_U
 ClientSampleId :
 BFC39

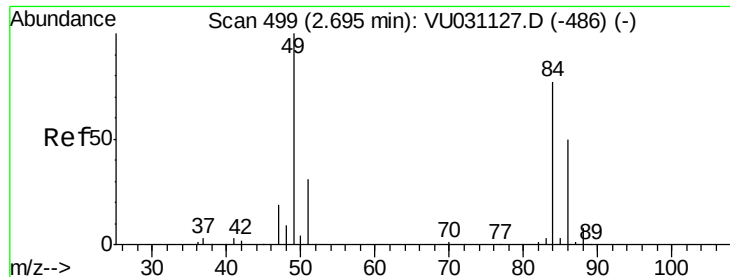
Tgt Ion: 96 Resp: 1153524
 Ion Ratio Lower Upper
 96 100
 61 178.0 132.0 245.2
 63 70.3 90.9 168.9#



#13
 Acetone
 Concen: 2.252 ug/L
 RT: 2.32 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VU031148.D
 Acq: 12 Apr 2019 22:49

Tgt Ion: 43 Resp: 8229
 Ion Ratio Lower Upper
 43 100
 58 35.8 0.0 64.0

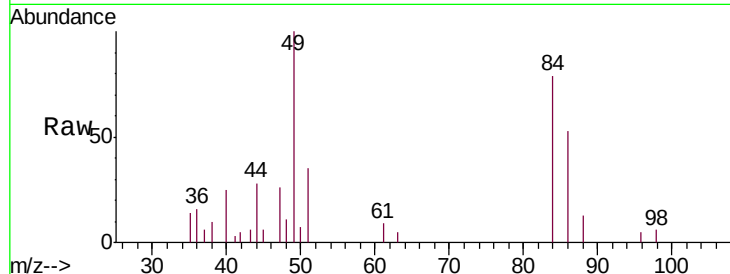




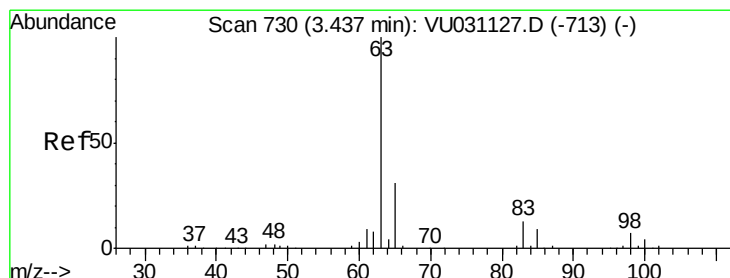
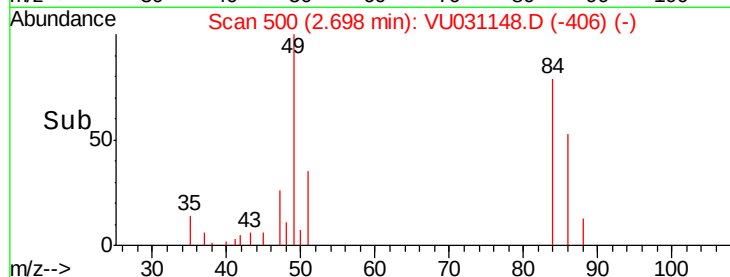
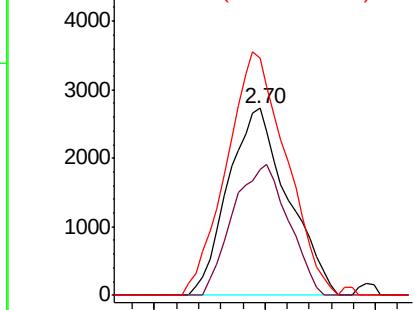
#16
Methylene chloride
Concen: 1.210 ug/L
RT: 2.70 min Scan# 500
Delta R.T. 0.00 min
Lab File: VU031148.D
Acq: 12 Apr 2019 22:49

Instrument :
MSVOA_U
ClientSampled :
BFC39

Tgt Ion: 84 Resp: 5131
Ion Ratio Lower Upper
84 100
86 67.0 45.1 83.7
49 126.9 96.5 179.1

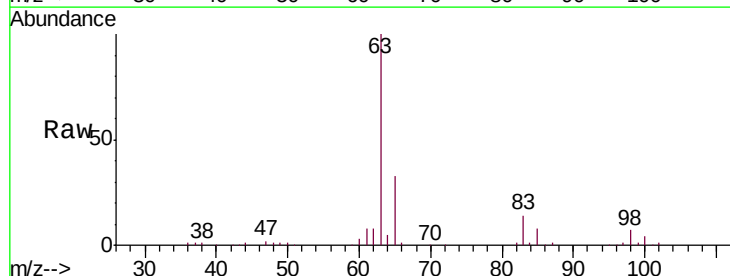


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

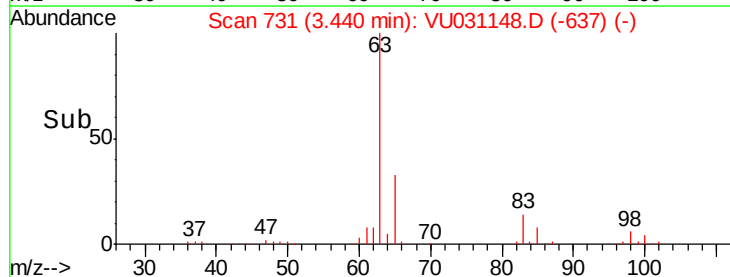
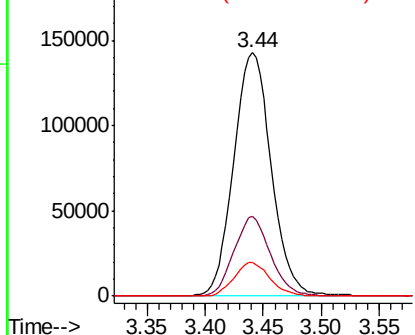


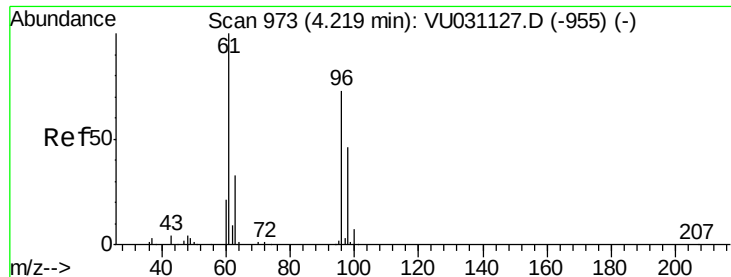
#19
1,1-Dichloroethane
Concen: 42.014 ug/L
RT: 3.44 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU031148.D
Acq: 12 Apr 2019 22:49

Tgt Ion: 63 Resp: 321239
Ion Ratio Lower Upper
63 100
65 32.9 21.4 39.8
83 13.6 8.5 15.7



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 65.00 (64.70 to 65.70): VU0
Ion 83.00 (82.70 to 83.70): VU0

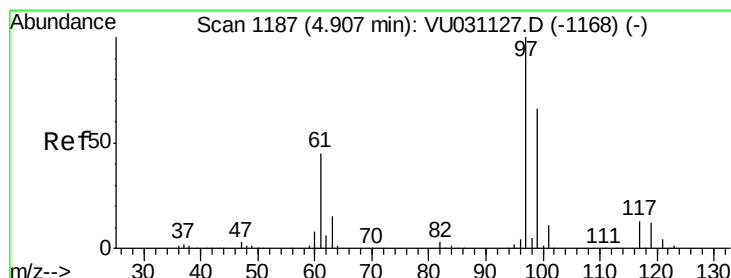
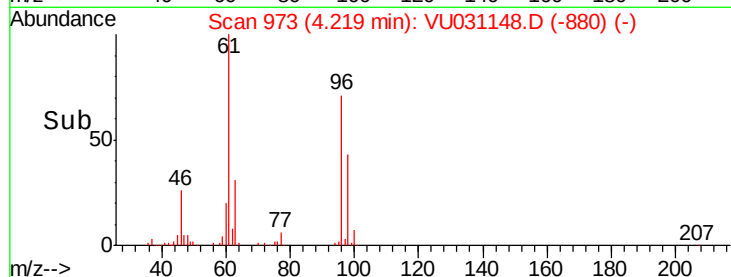
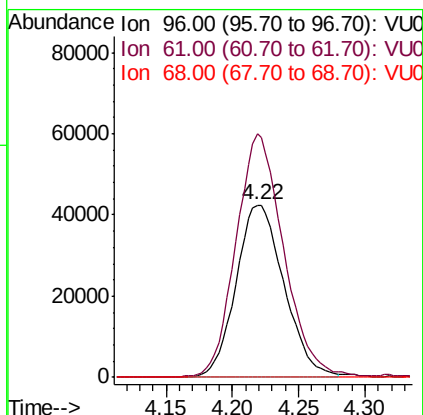
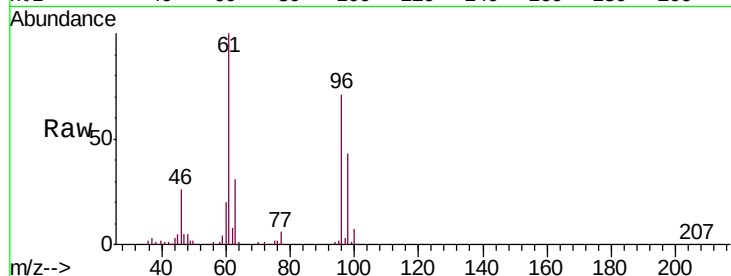




#20
 cis-1,2-Dichloroethene
 Concen: 26.171 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031148.D
 Acq: 12 Apr 2019 22:49

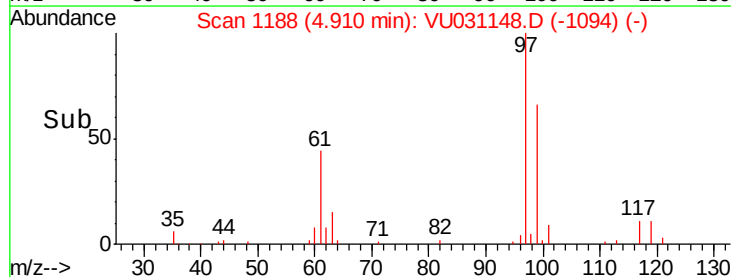
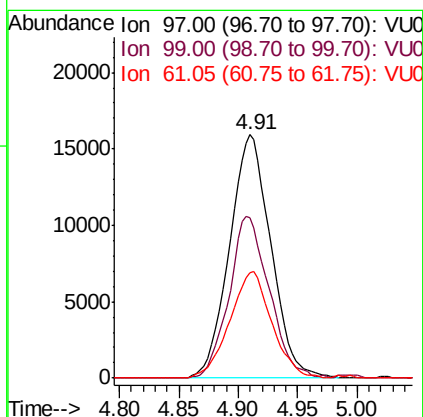
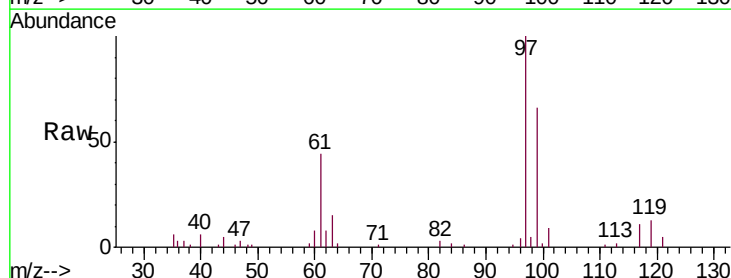
Instrument :
 MSVOA_U
 ClientSampleId :
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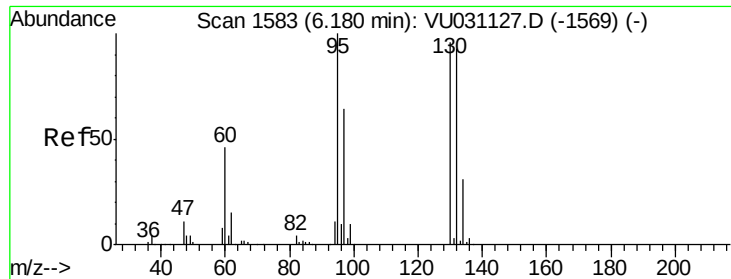
Tgt Ion: 96 Resp: 107061
 Ion Ratio Lower Upper
 96 100
 61 141.3 102.9 191.1
 68 0.0 0.0 0.0



#30
 1,1,1-Trichloroethane
 Concen: 6.389 ug/L
 RT: 4.91 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VU031148.D
 Acq: 12 Apr 2019 22:49

Tgt Ion: 97 Resp: 38378
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.4 77.2
 61 44.4 37.1 55.7





#34

Trichloroethene

Concen: 182.825 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU031148.D

Acq: 12 Apr 2019 22:49

Instrument :

MSVOA_U

ClientSampleId :

BFC39

Tgt Ion: 95 Resp: 723265

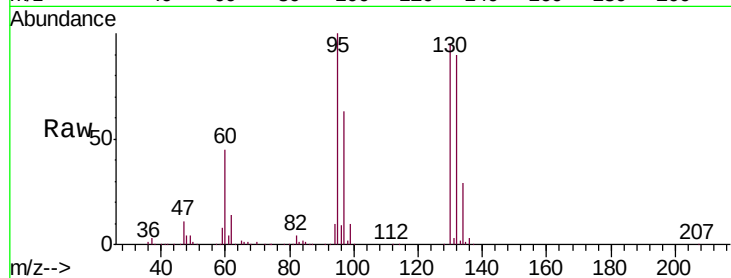
Ion Ratio Lower Upper

95 100

97 63.2 44.5 82.7

132 89.9 61.5 114.1

130 94.7 64.9 120.5



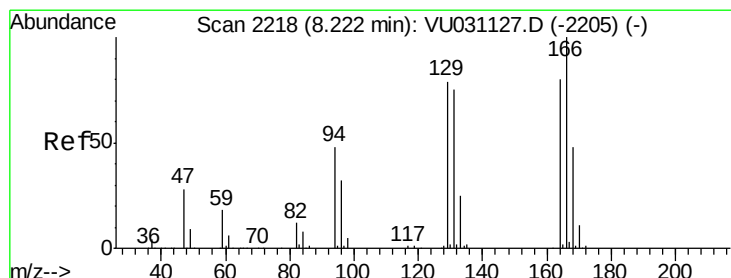
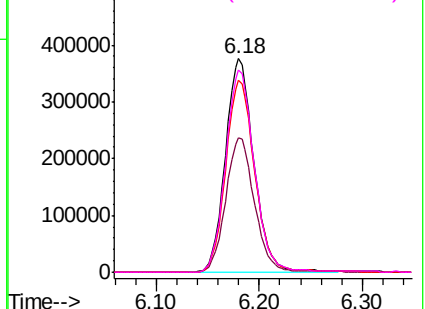
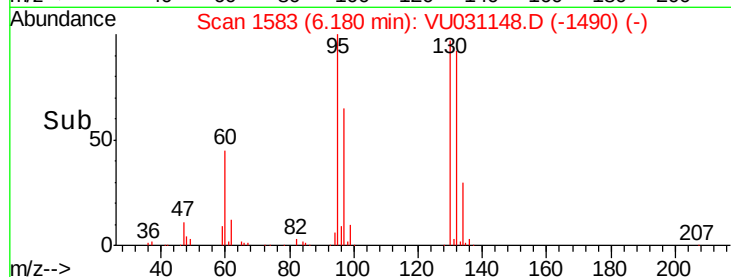
Abundance

Ion 95.00 (94.70 to 95.70): VU031127.D (-1569) (-)

Ion 97.00 (96.70 to 97.70): VU031127.D (-1569) (-)

Ion 132.00 (131.70 to 132.70): VU031127.D (-1569) (-)

Ion 130.00 (129.70 to 130.70): VU031127.D (-1569) (-)



#46

Tetrachloroethene

Concen: 148.152 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031148.D

Acq: 12 Apr 2019 22:49

Tgt Ion: 164 Resp: 426110

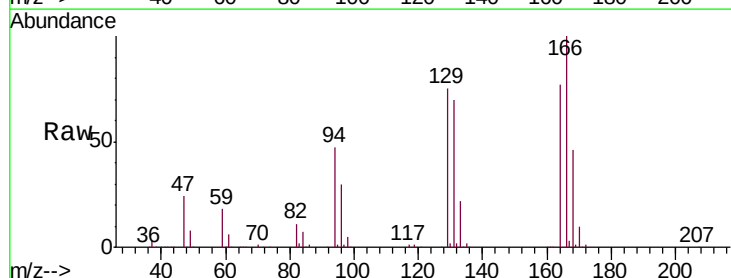
Ion Ratio Lower Upper

164 100

129 97.6 67.4 125.2

131 91.5 65.9 122.5

166 130.1 88.6 164.6



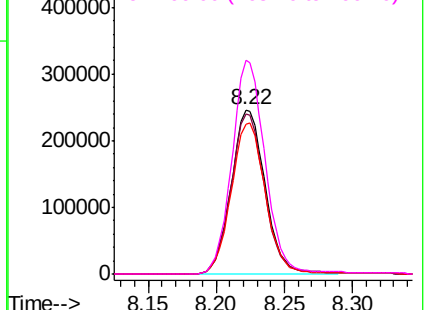
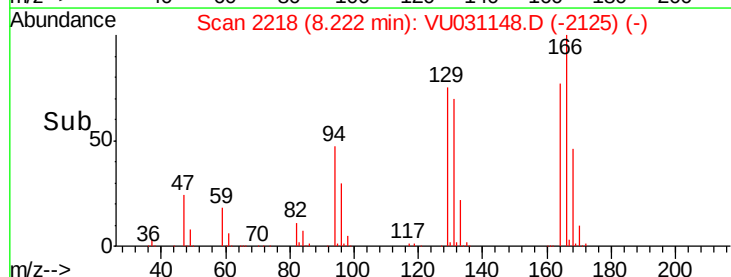
Abundance

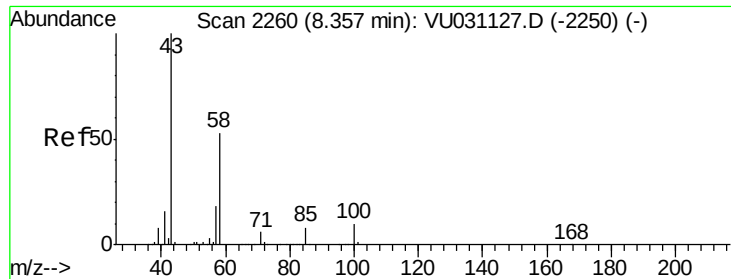
Ion 164.00 (163.70 to 164.70): VU031127.D (-2205) (-)

Ion 129.00 (128.70 to 129.70): VU031127.D (-2205) (-)

Ion 131.00 (130.70 to 131.70): VU031127.D (-2205) (-)

Ion 166.00 (165.70 to 166.70): VU031127.D (-2205) (-)

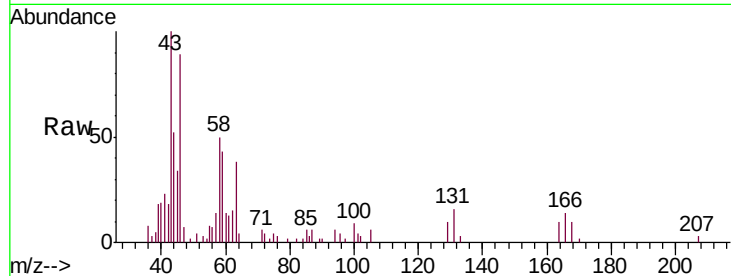




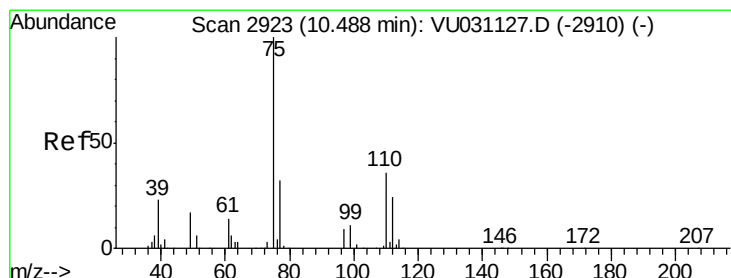
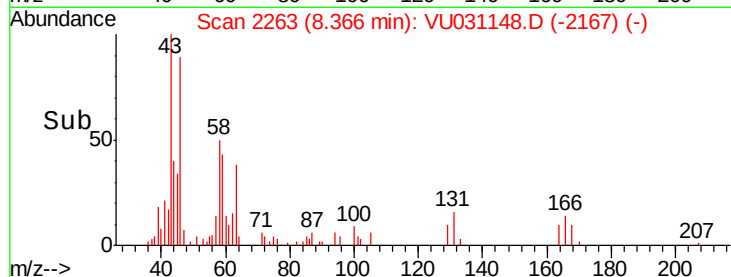
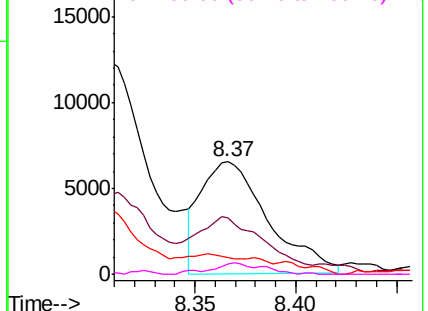
#48
 2-Hexanone
 Concen: 2.625 ug/L
 RT: 8.37 min Scan# 2263
 Delta R.T. 0.01 min
 Lab File: VU031148.D
 Acq: 12 Apr 2019 22:49

Instrument :
 MSVOA_U
 ClientSampleId :
 BFC39

Tgt Ion: 43 Resp: 15040
 Ion Ratio Lower Upper
 43 100
 58 41.8 41.9 62.9#
 57 1.3 14.3 21.5#
 100 3.0 7.1 10.7#

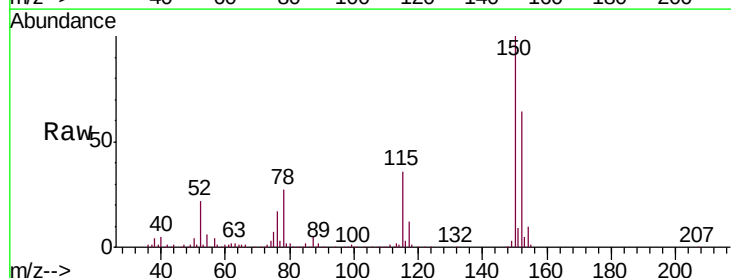


Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0
 Ion 57.00 (56.70 to 57.70): VU0
 Ion 100.00 (99.70 to 100.70): VU0



#59
 1,2,3-Trichloropropane
 Concen: 4.428 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU031148.D
 Acq: 12 Apr 2019 22:49

Tgt Ion: 75 Resp: 24221
 Ion Ratio Lower Upper
 75 100
 77 37.4 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0

