

Data File : VU030110.D
Acq On : 15 Mar 2019 14:50
Operator : JC/SP
Sample : K1949-02 50X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1B6

Quant Time: Mar 16 00:06:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	478376	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	471729	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	227221	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	160796	50.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.64%
7) Chloroethane-d5	1.68	69	131618	51.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.06%
11) 1,1-Dichloroethene-d2	2.27	63	219724	38.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.94%
21) 2-Butanone-d5	4.17	46	261650	110.37	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.37%
24) Chloroform-d	4.65	84	294467	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
26) 1,2-Dichloroethane-d4	5.31	65	178469	54.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.86%
32) Benzene-d6	5.34	84	634550	52.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.52%
36) 1,2-Dichloropropane-d6	6.33	67	200434	53.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.86%
41) Toluene-d8	7.56	98	565362	49.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.44%
43) trans-1,3-Dichloropropene-	7.85	79	89321	49.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.24%
47) 2-Hexanone-d5	8.31	63	217076	104.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294739	51.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.22%
64) 1,2-Dichlorobenzene-d4	11.86	152	232202	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2366	0.753	ug/L #	19
12) 1,1-Dichloroethene	2.27	96	2528	0.843	ug/L #	1
13) Acetone	2.32	43	1690	0.610	ug/L	91
16) Methylene chloride	2.70	84	6509	1.838	ug/L	95
20) cis-1,2-Dichloroethene	4.23	96	3965	1.067	ug/L	85
34) Trichloroethene	6.19	95	8283	2.341	ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	3776	0.748	ug/L	85
46) Tetrachloroethene	8.22	164	350261	113.130	ug/L	99
48) 2-Hexanone	8.36	43	4129	1.010	ug/L	94
59) 1,2,3-Trichloropropane	11.48	75	23596	5.103	ug/L	92

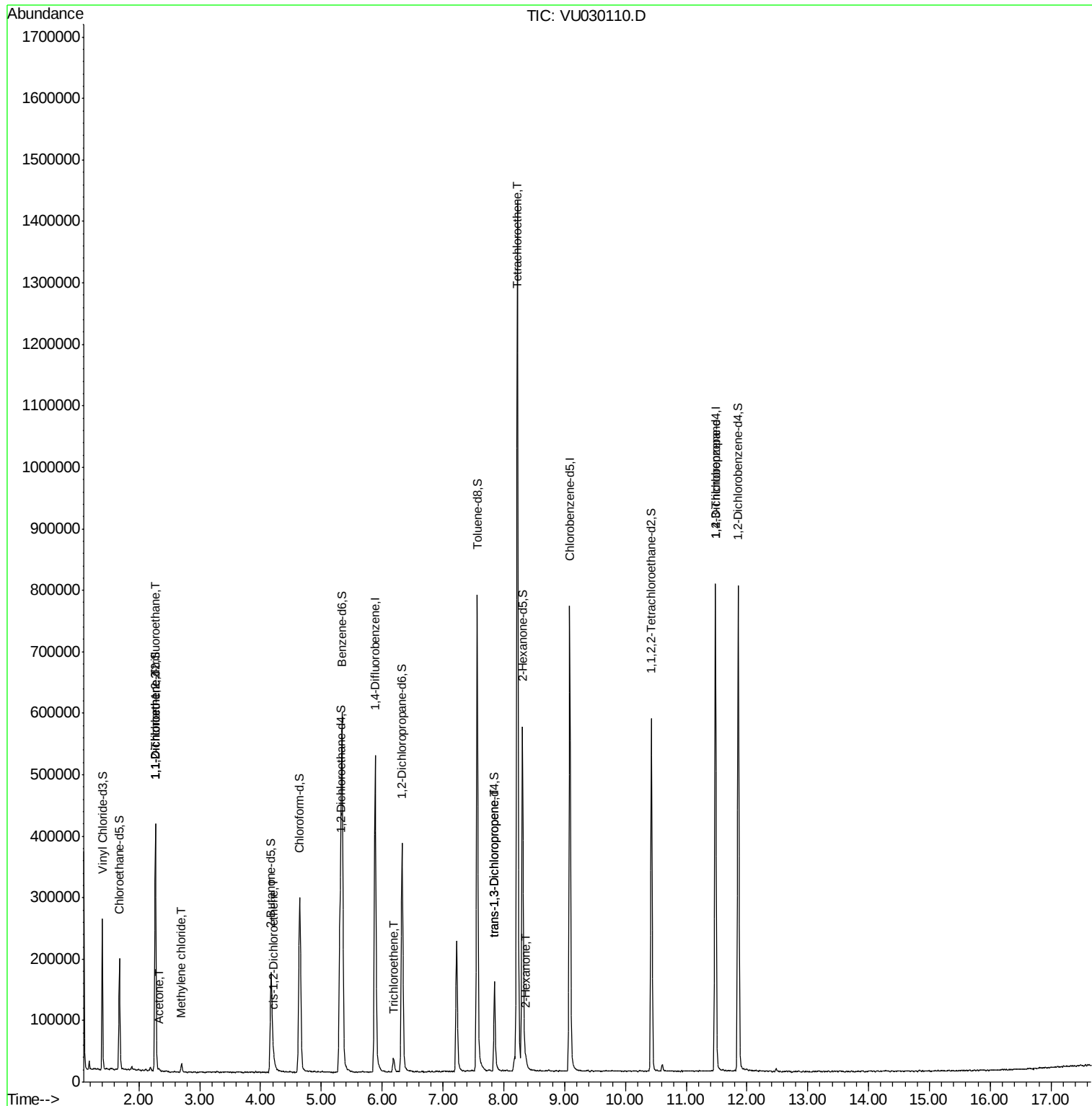
(#) = qualifier out of range (m) = manual integration (+) = signals summed

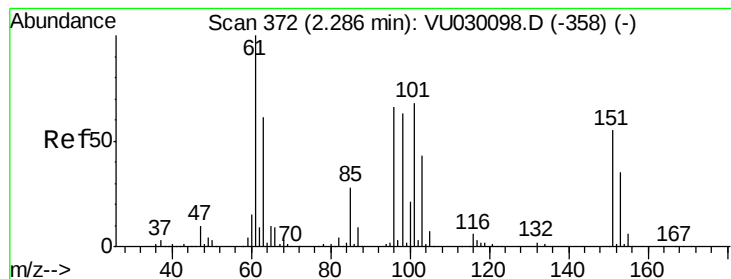
Data File : VU030110.D

```
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Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:02:21 2019
Response via : Initial Calibration





#10

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

Concen: 0.753 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

BF1B6

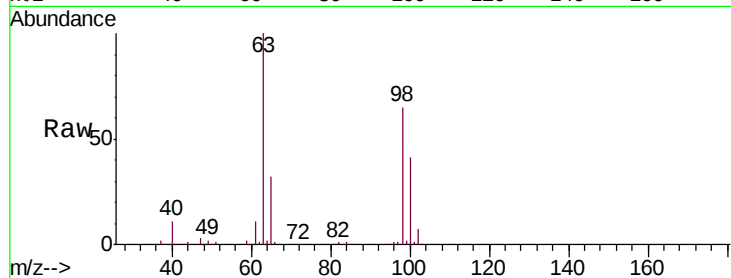
Tgt Ion: 101 Resp: 2366

Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

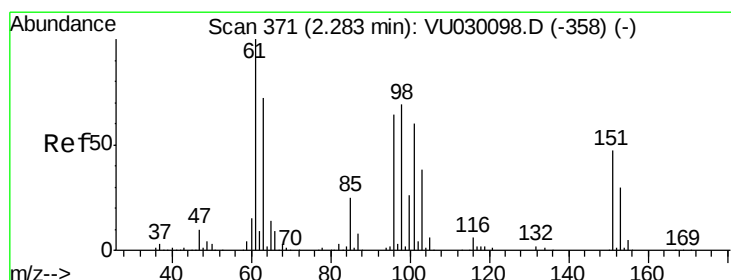
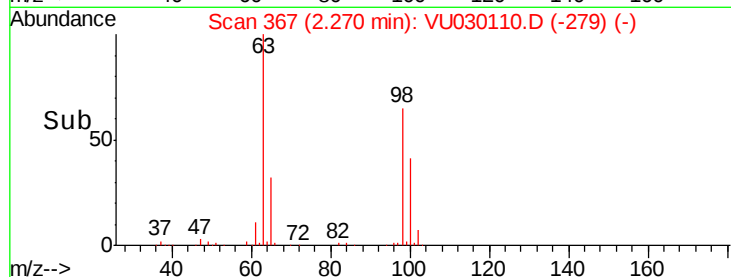
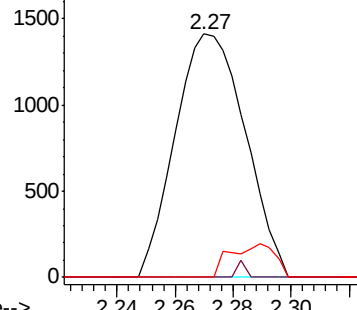
151 3.5 66.1 99.1#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.843 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

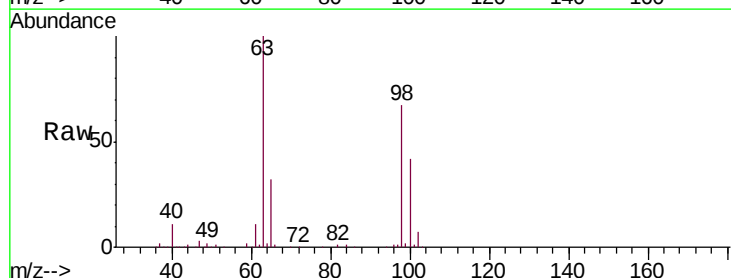
Tgt Ion: 96 Resp: 2528

Ion Ratio Lower Upper

96 100

61 1053.1 110.4 205.0#

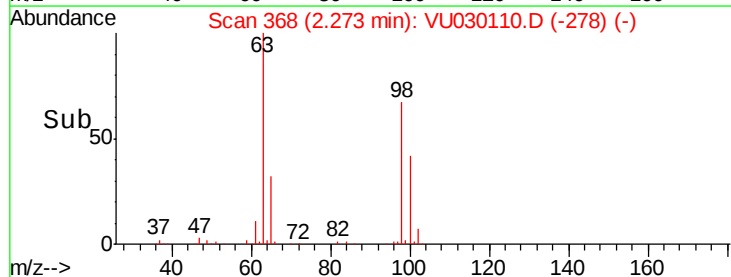
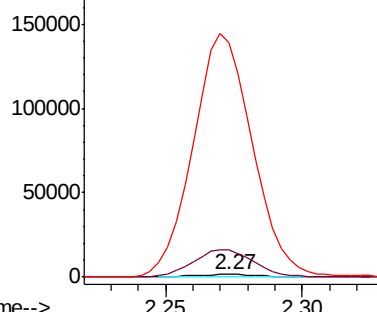
63 9232.2 86.5 160.7#

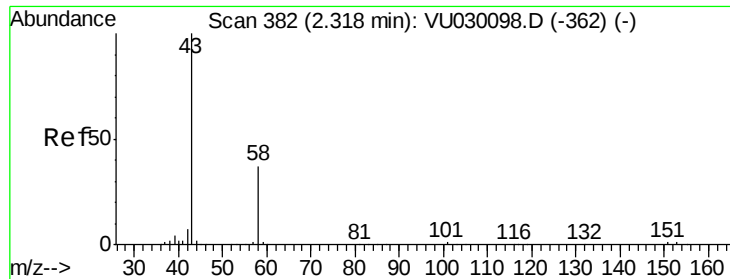


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.610 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

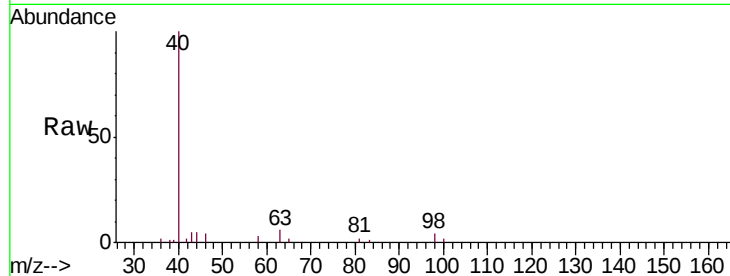
BF1B6

Tgt Ion: 43 Resp: 1690

Ion Ratio Lower Upper

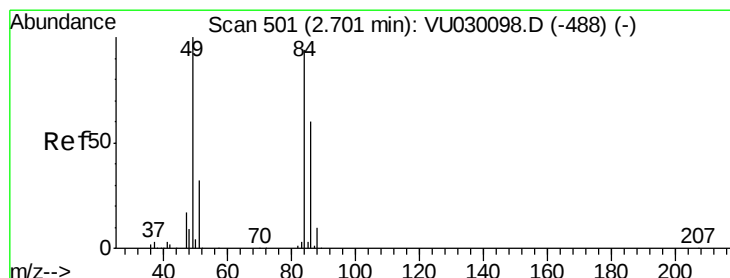
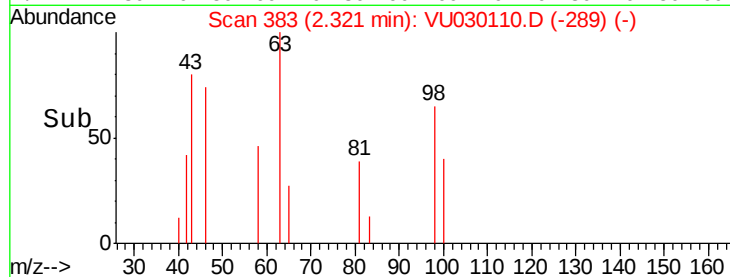
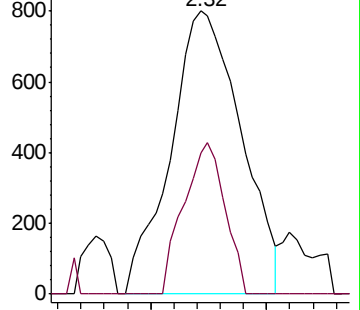
43 100

58 31.2 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VU030110.D (-289) (-)

Ion 58.00 (57.70 to 58.70): VU030110.D (-289) (-)



#16

Methylene chloride

Concen: 1.838 ug/L

RT: 2.70 min Scan# 501

Delta R.T. -0.00 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

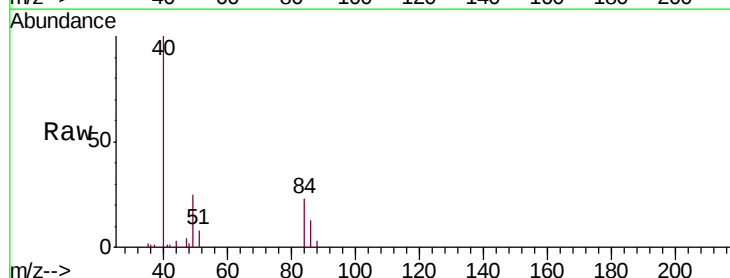
Tgt Ion: 84 Resp: 6509

Ion Ratio Lower Upper

84 100

86 56.2 45.2 84.0

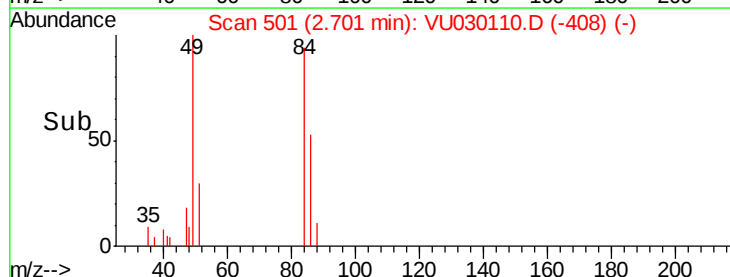
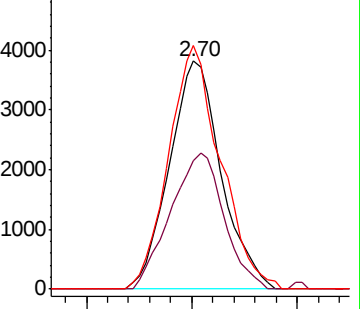
49 106.9 73.6 136.6

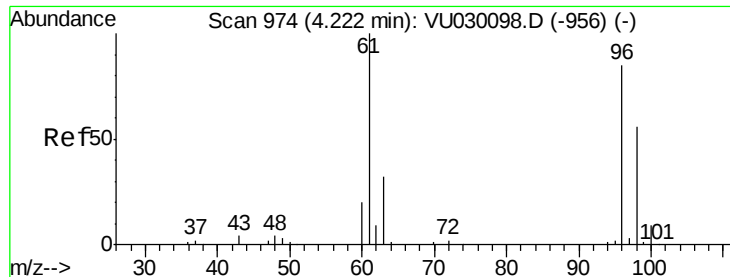


Abundance Ion 84.00 (83.70 to 84.70): VU030110.D (-408) (-)

Ion 86.00 (85.70 to 86.70): VU030110.D (-408) (-)

Ion 49.00 (48.70 to 49.70): VU030110.D (-408) (-)

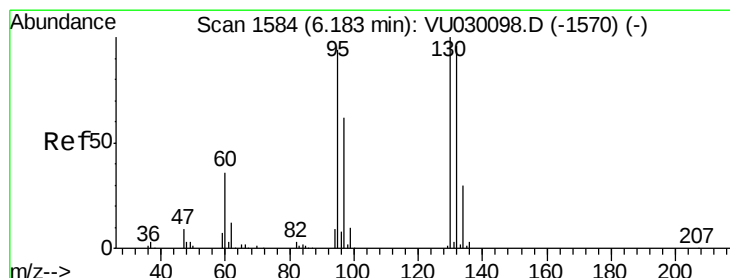
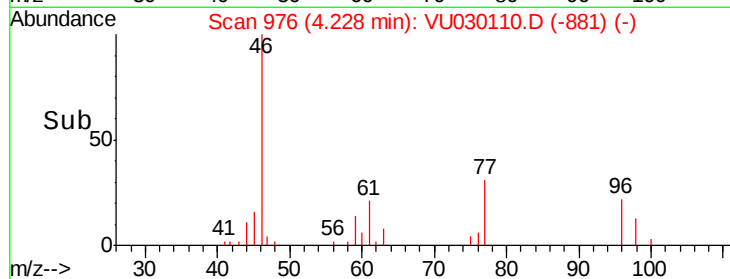
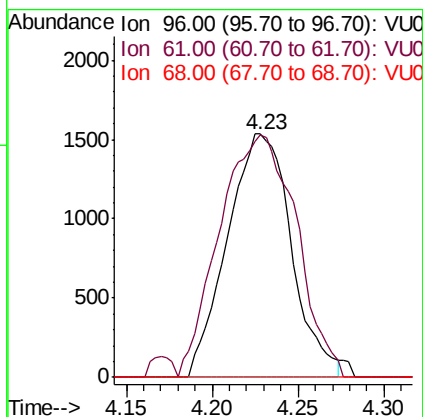
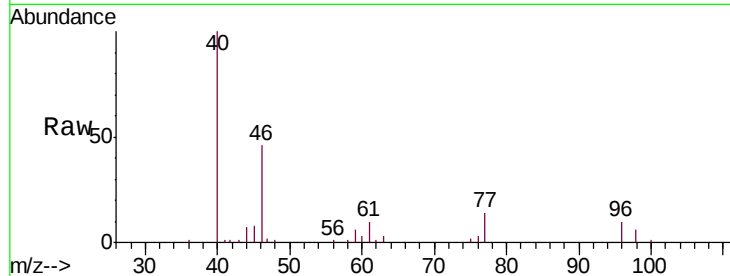




#20
 cis-1,2-Dichloroethene
 Concen: 1.067 ug/L
 RT: 4.23 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VU030110.D
 Acq: 15 Mar 2019 14:50

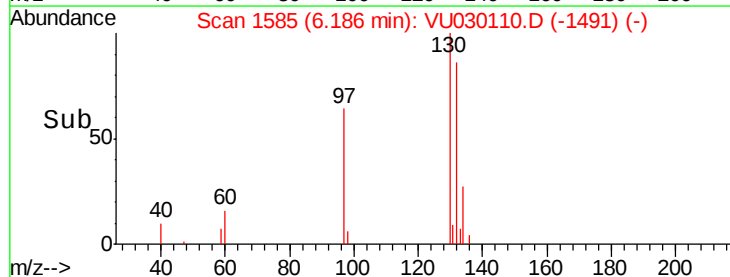
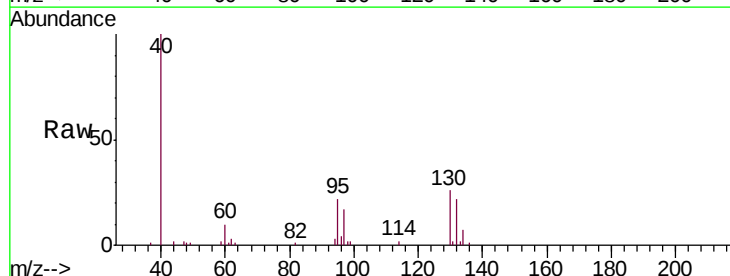
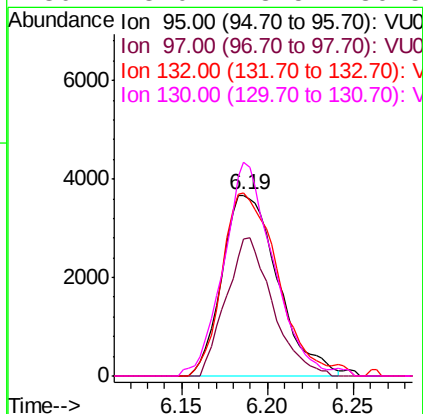
Instrument :
 MSVOA_U
 ClientSampleId :
 BF1B6

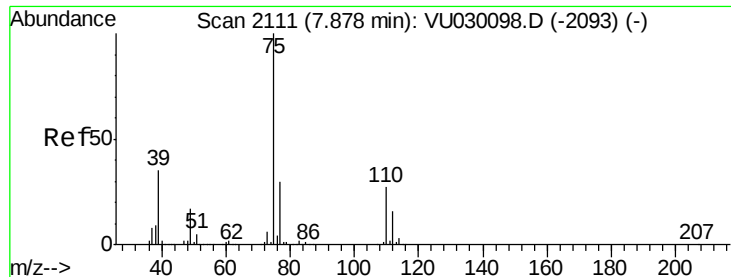
Tgt Ion: 96 Resp: 3965
 Ion Ratio Lower Upper
 96 100
 61 99.5 80.8 150.2
 68 0.0 0.0 0.0



#34
 Trichloroethene
 Concen: 2.341 ug/L
 RT: 6.19 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VU030110.D
 Acq: 15 Mar 2019 14:50

Tgt Ion: 95 Resp: 8283
 Ion Ratio Lower Upper
 95 100
 97 75.7 45.5 84.5
 132 101.1 71.5 132.7
 130 118.0 73.5 136.5





#44

trans-1,3-Dichloropropene

Concen: 0.748 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

Instrument :

MSVOA_U

ClientSampleId :

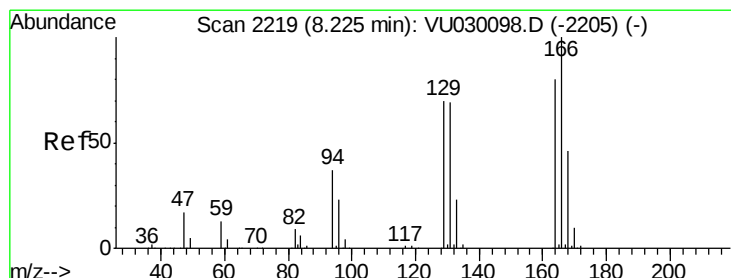
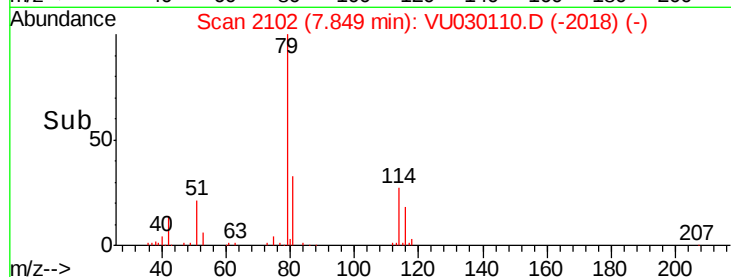
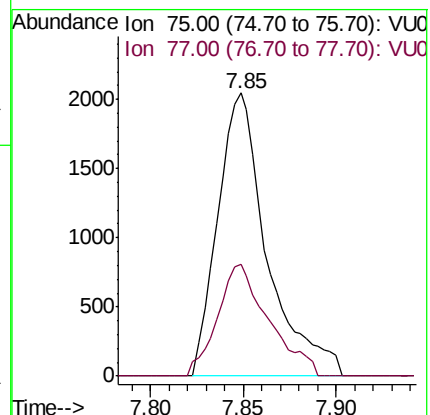
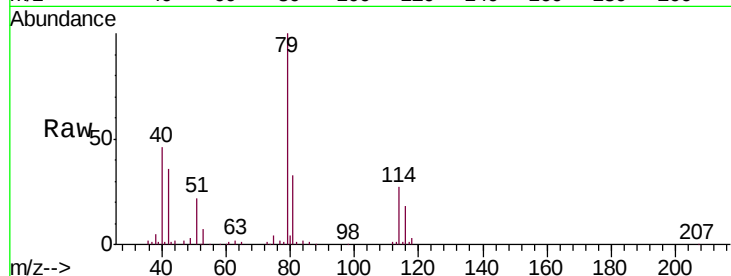
BF1B6

Tgt Ion: 75 Resp: 3776

Ion Ratio Lower Upper

75 100

77 39.5 21.9 40.7



#46

Tetrachloroethene

Concen: 113.130 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU030110.D

Acq: 15 Mar 2019 14:50

Tgt Ion: 164 Resp: 350261

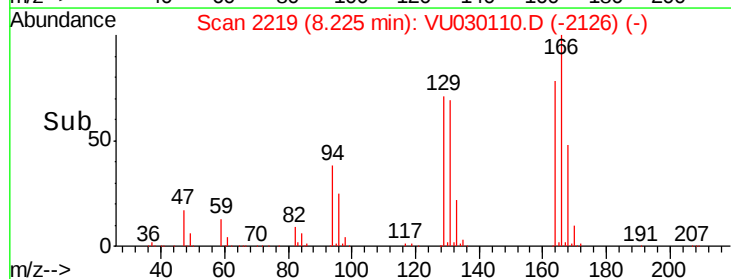
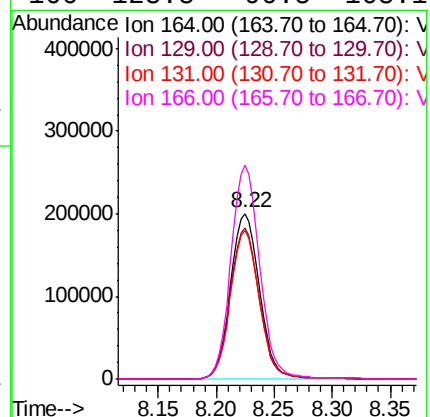
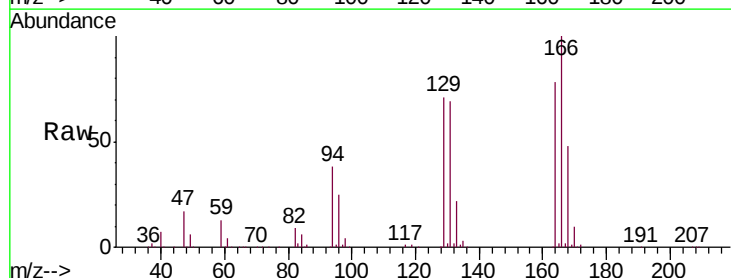
Ion Ratio Lower Upper

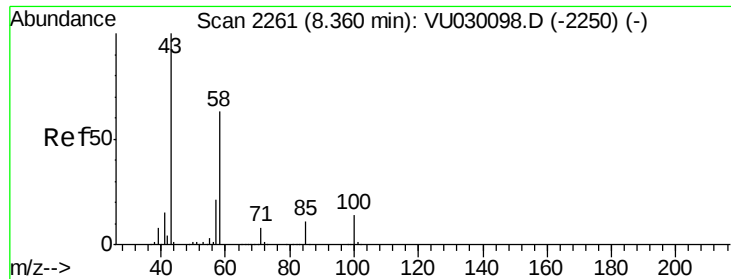
164 100

129 91.5 63.3 117.7

131 89.4 62.0 115.2

166 128.8 90.5 168.1

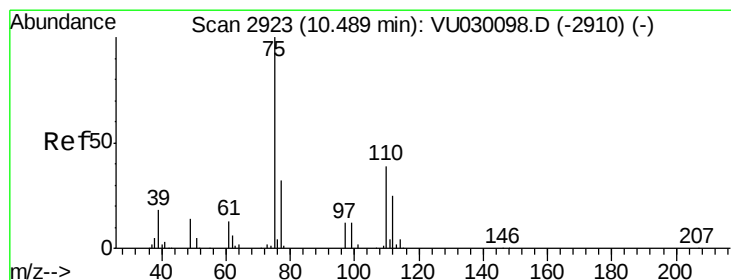
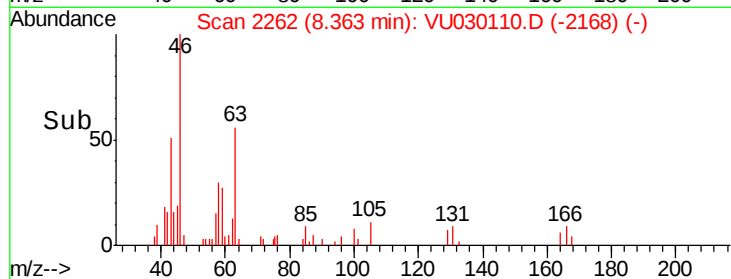
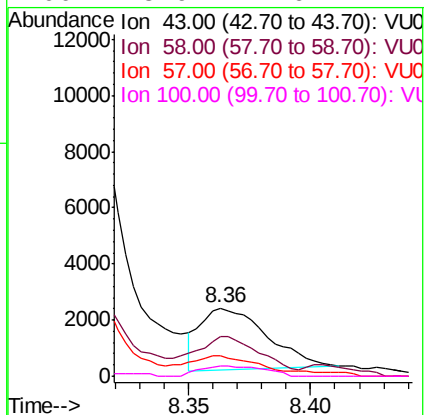
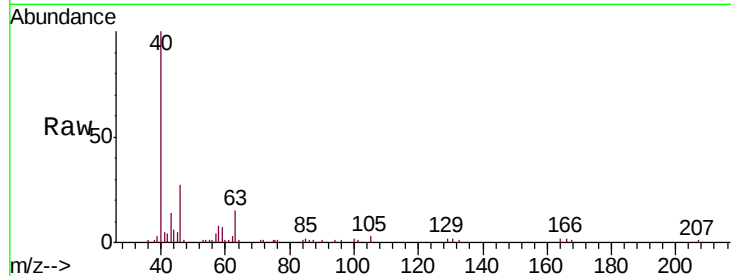




#48
 2-Hexanone
 Concen: 1.010 ug/L
 RT: 8.36 min Scan# 2262
 Delta R.T. 0.00 min
 Lab File: VU030110.D
 Acq: 15 Mar 2019 14:50

Instrument :
 MSVOA_U
 ClientSampleId :
 BF1B6

Tgt Ion:	43	Resp:	4129
Ion	Ratio	Lower	Upper
43	100		
58	65.3	48.6	72.8
57	23.9	16.1	24.1
100	15.9	11.6	17.4



#59
 1,2,3-Trichloropropane
 Concen: 5.103 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030110.D
 Acq: 15 Mar 2019 14:50

Tgt Ion:	75	Resp:	23596
Ion	Ratio	Lower	Upper
75	100		
77	36.6	25.8	38.8

