

Data File : VU030114.D
Acq On : 15 Mar 2019 16:35
Operator : JC/SP
Sample : K1949-03
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF1F2

Quant Time: Mar 16 00:55:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031319WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Mar 16 00:52:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	499277	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	476609	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	230485	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	102915	31.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.32%
7) Chloroethane-d5	1.68	69	97428	36.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.10%
11) 1,1-Dichloroethene-d2	2.27	63	158414	26.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.16%#
21) 2-Butanone-d5	4.17	46	268208	108.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	108.40%
24) Chloroform-d	4.65	84	262881	44.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.76%
26) 1,2-Dichloroethane-d4	5.31	65	161390	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.34	84	538305	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.76%
36) 1,2-Dichloropropane-d6	6.33	67	183215	48.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.58%
41) Toluene-d8	7.56	98	477842	41.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.18%
43) trans-1,3-Dichloropropene-	7.85	79	83081	45.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.36%
47) 2-Hexanone-d5	8.31	63	220879	105.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.13%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	294987	51.13	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.26%
64) 1,2-Dichlorobenzene-d4	11.86	152	221817	49.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.36%

Target Compounds

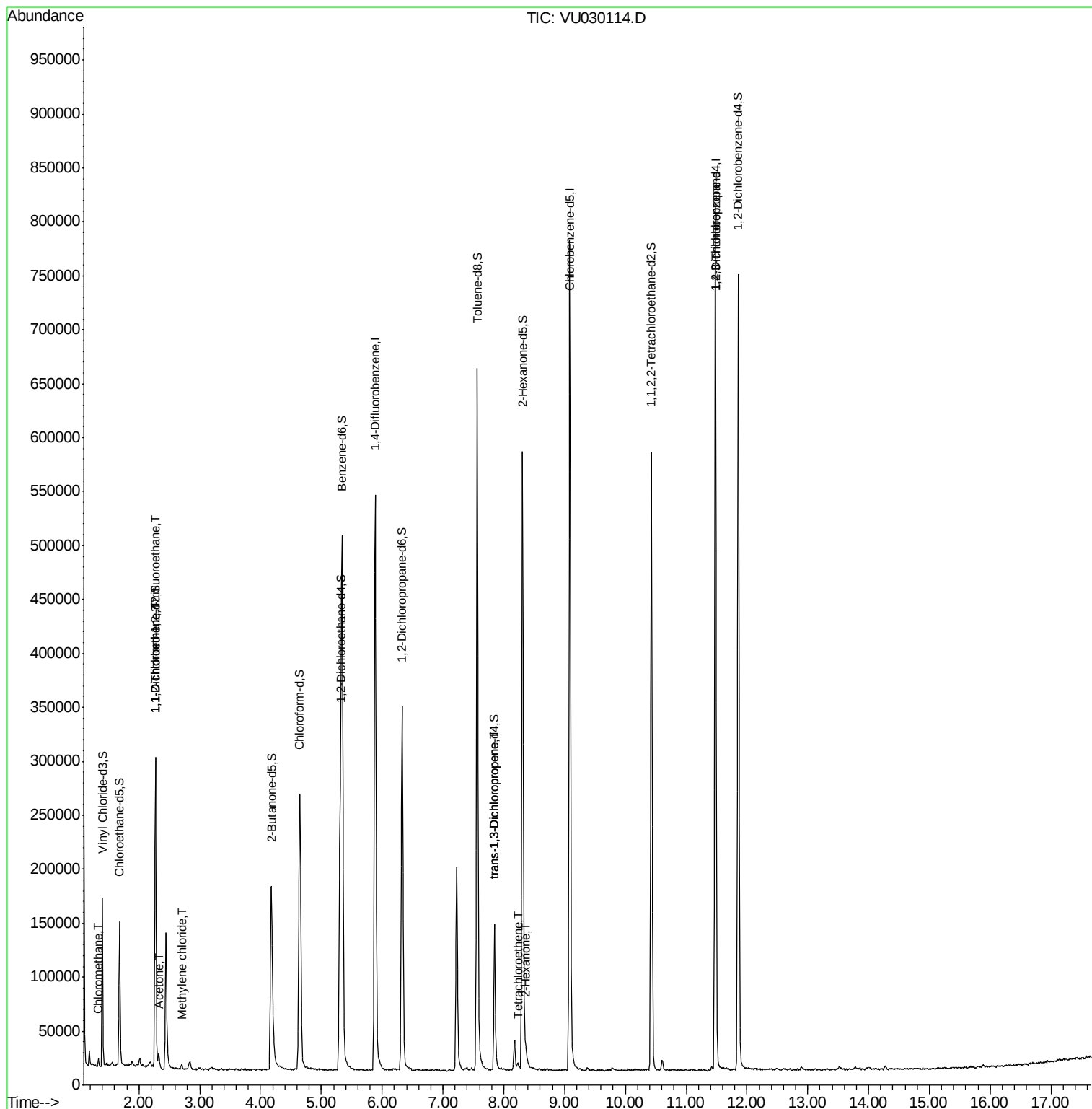
					Qvalue
3) Chloromethane	1.33	50	4727	1.358 ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1875	0.572 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	1728	0.552 ug/L #	1
13) Acetone	2.32	43	12326	4.261 ug/L	93
16) Methylene chloride	2.70	84	2363	0.639 ug/L	93
44) trans-1,3-Dichloropropene	7.85	75	3175	0.623 ug/L	94
46) Tetrachloroethene	8.23	164	1368	0.437 ug/L	79
48) 2-Hexanone	8.37	43	5360	1.297 ug/L #	94
59) 1,2,3-Trichloropropane	11.48	75	23468	5.023 ug/L	96

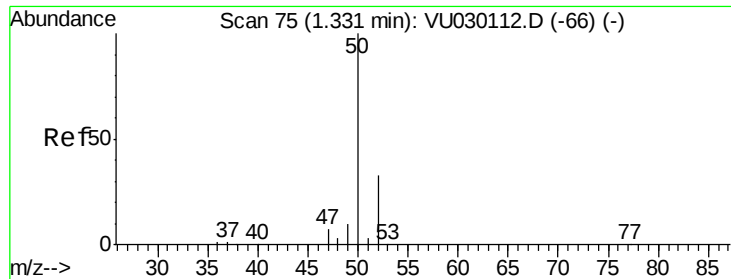
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.358 ug/L

RT: 1.33 min Scan# 75

Delta R.T. 0.00 min

Lab File: VU030114.D

Acq: 15 Mar 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

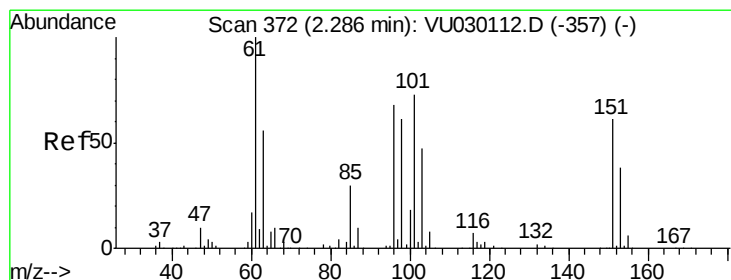
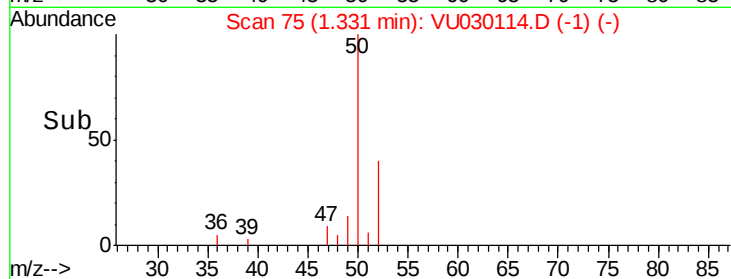
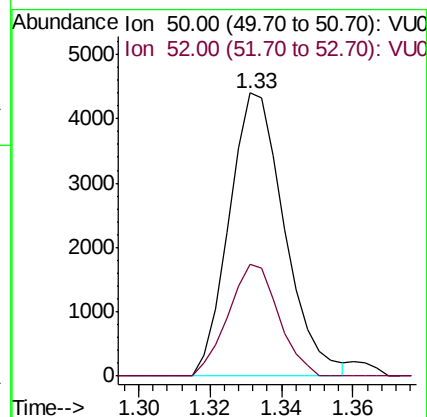
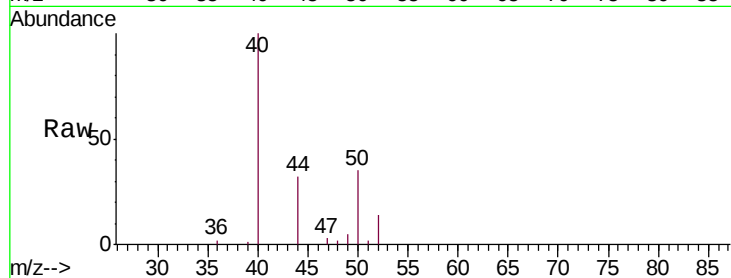
BF1F2

Tgt Ion: 50 Resp: 4727

Ion Ratio Lower Upper

50 100

52 39.7 23.4 43.6



#10

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

Concen: 0.572 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU030114.D

Acq: 15 Mar 2019 16:35

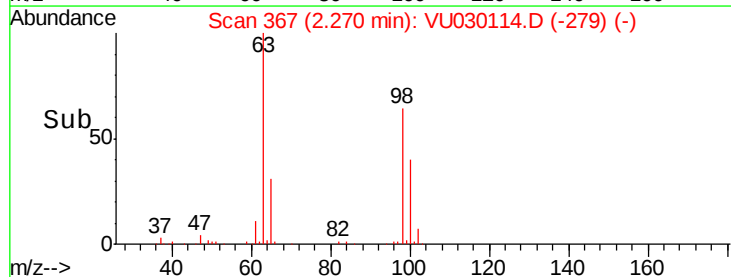
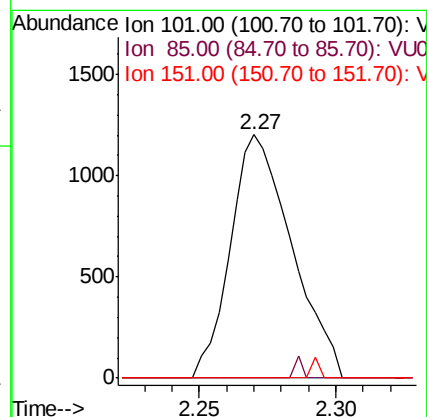
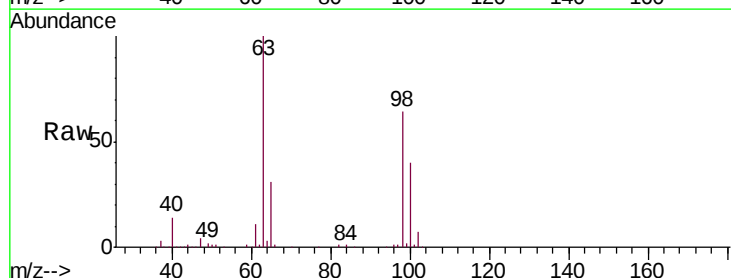
Tgt Ion: 101 Resp: 1875

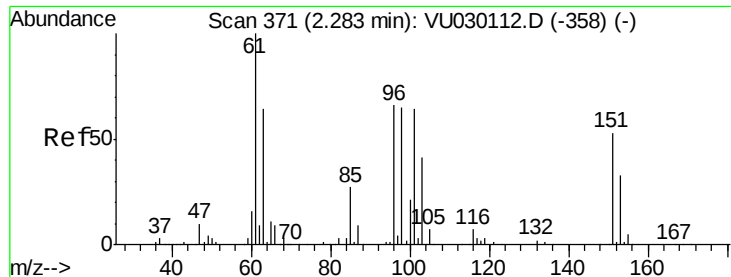
Ion Ratio Lower Upper

101 100

85 0.0 33.0 49.4#

151 0.0 66.1 99.1#





#12

1,1-Dichloroethene

Concen: 0.552 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030114.D

Acq: 15 Mar 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

BF1F2

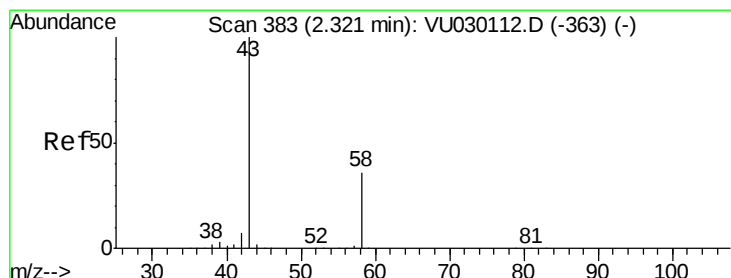
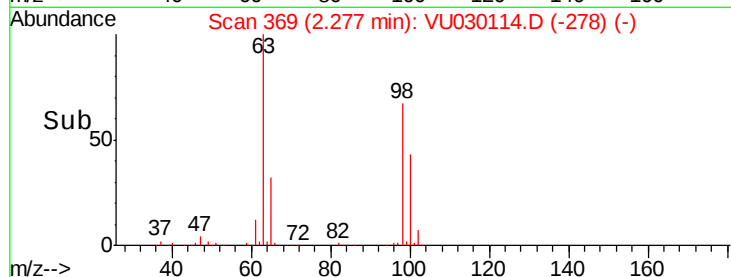
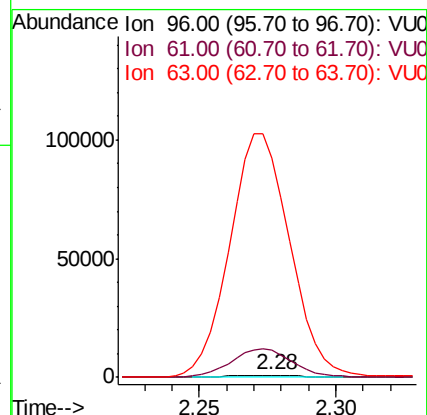
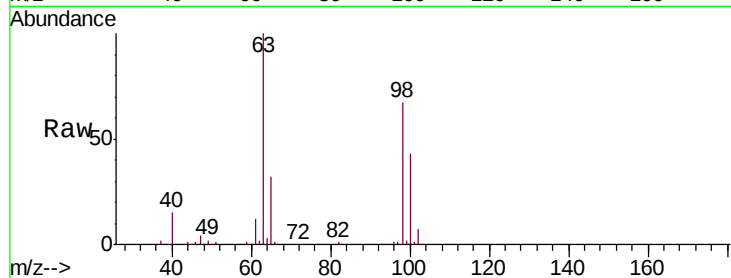
Tgt Ion: 96 Resp: 1728

Ion Ratio Lower Upper

96 100

61 1230.9 110.4 205.0#

63 10060.1 86.5 160.7#



#13

Acetone

Concen: 4.261 ug/L

RT: 2.32 min Scan# 384

Delta R.T. 0.00 min

Lab File: VU030114.D

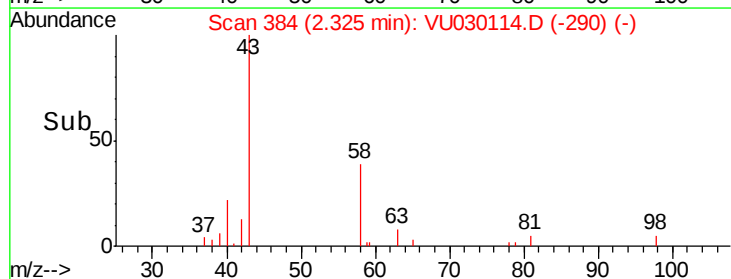
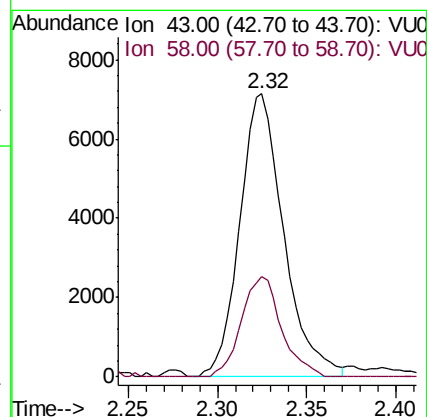
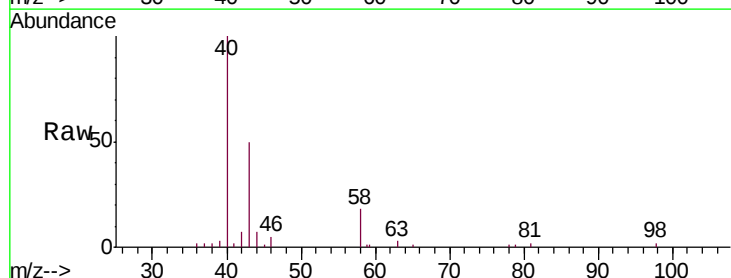
Acq: 15 Mar 2019 16:35

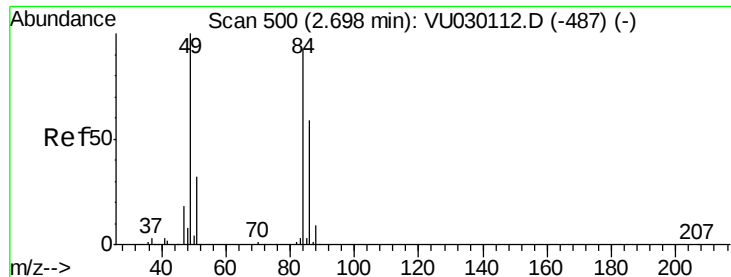
Tgt Ion: 43 Resp: 12326

Ion Ratio Lower Upper

43 100

58 32.2 0.0 73.0

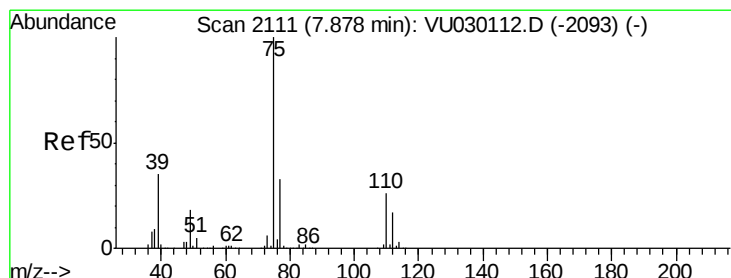
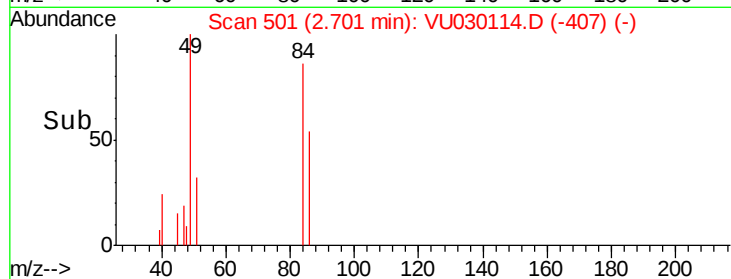
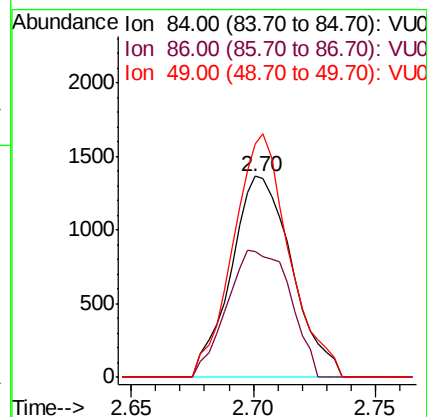
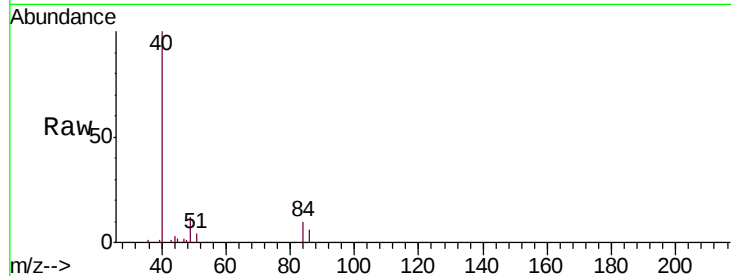




#16
Methylene chloride
Concen: 0.639 ug/L
RT: 2.70 min Scan# 501
Delta R.T. 0.00 min
Lab File: VU030114.D
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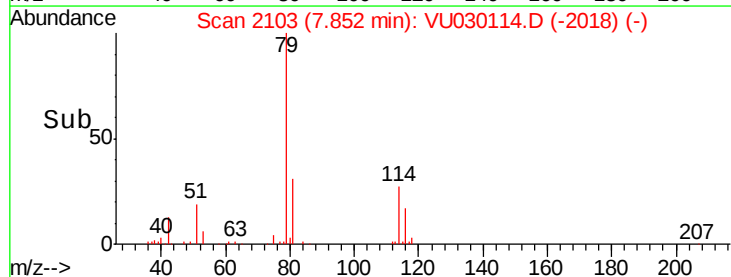
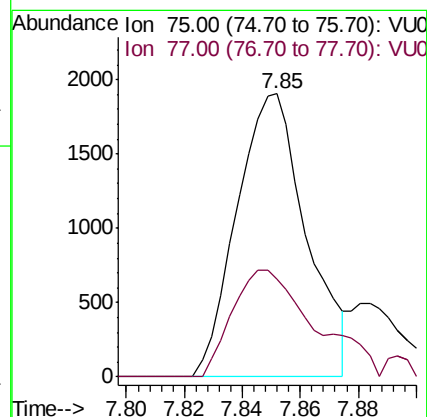
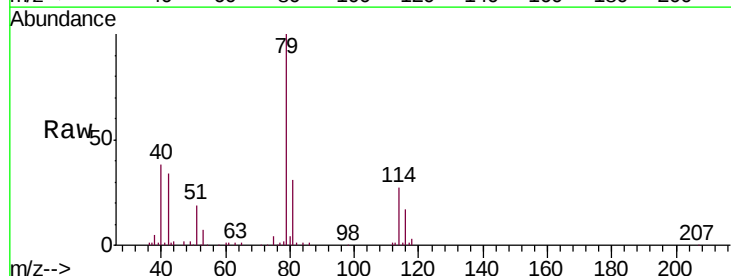
Instrument :
MSVOA_U
ClientSampleId :
BF1F2

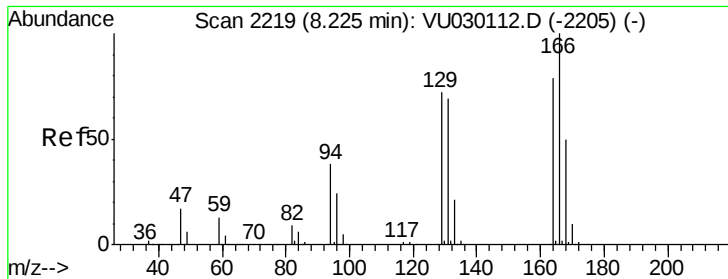
Tgt Ion: 84 Resp: 2363
Ion Ratio Lower Upper
84 100
86 62.9 45.2 84.0
49 115.8 73.6 136.6



#44
trans-1,3-Dichloropropene
Concen: 0.623 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.03 min
Lab File: VU030114.D
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Tgt Ion: 75 Resp: 3175
Ion Ratio Lower Upper
75 100
77 34.8 21.9 40.7

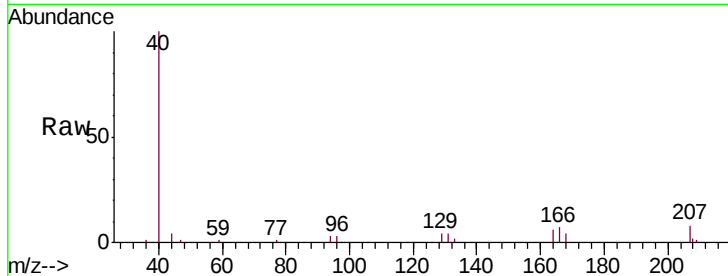




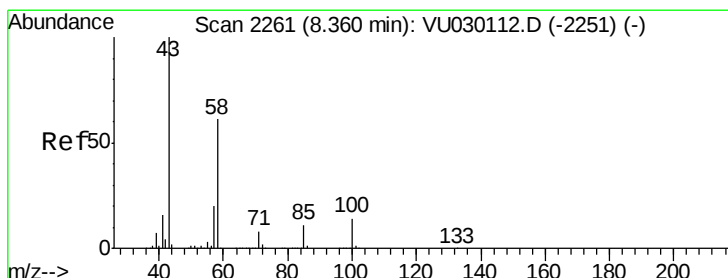
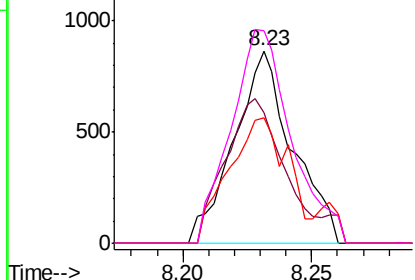
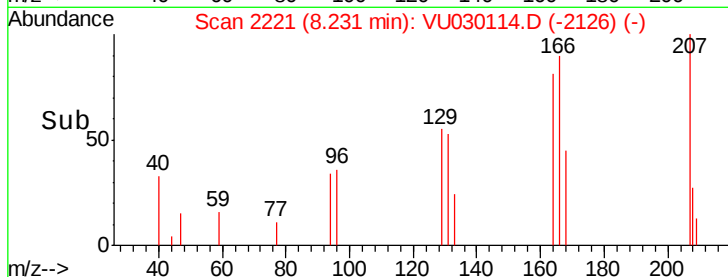
#46
Tetrachloroethene
Concen: 0.437 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. 0.01 min
Lab File: VU030114.D
Acq: 15 Mar 2019 16:35

Instrument :
MSVOA_U
ClientSampled :
BF1F2

Tgt Ion:164 Resp: 1368
Ion Ratio Lower Upper
164 100
129 68.1 63.3 117.7
131 65.6 62.0 115.2
166 110.8 90.5 168.1

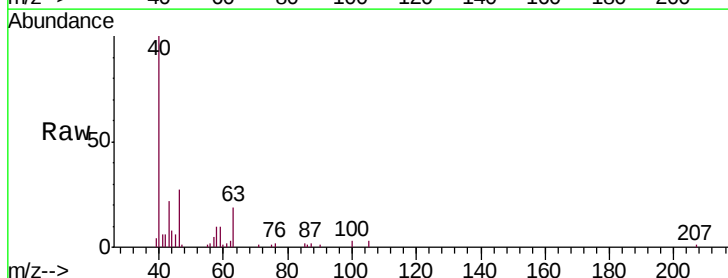


Abundance Ion 164.00 (163.70 to 164.70): V
1500 Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

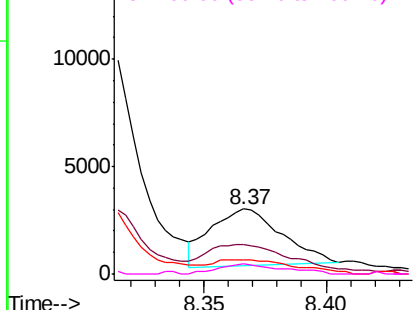
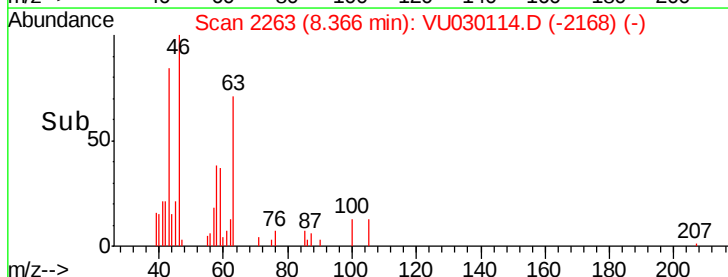


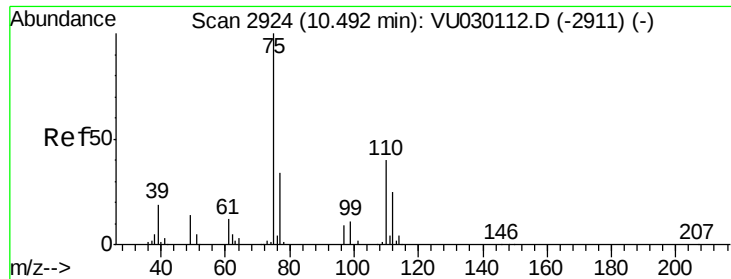
#48
2-Hexanone
Concen: 1.297 ug/L
RT: 8.37 min Scan# 2263
Delta R.T. 0.01 min
Lab File: VU030114.D
Acq: 15 Mar 2019 16:35

Tgt Ion: 43 Resp: 5360
Ion Ratio Lower Upper
43 100
58 59.1 48.6 72.8
57 29.8 16.1 24.1#
100 14.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VU
15000 Ion 58.00 (57.70 to 58.70): VU
Ion 57.00 (56.70 to 57.70): VU
Ion 100.00 (99.70 to 100.70): VU





#59

1,2,3-Trichloropropane

Concen: 5.023 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU030114.D

Acq: 15 Mar 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

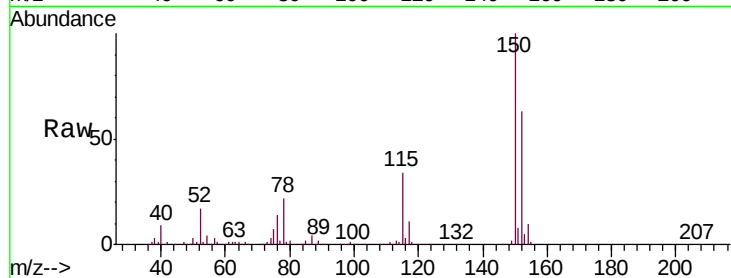
BF1F2

Tgt Ion: 75 Resp: 23468

Ion Ratio Lower Upper

75 100

77 34.3 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

