

Data File : VU029866.D
Acq On : 07 Mar 2019 21:21
Operator : JC/SP
Sample : K1789-04
Misc : 5.86g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFOPOME

Quant Time: Mar 08 04:36:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	479348	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	473558	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	246632	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	115855	32.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	65.96%
7) Chloroethane-d5	1.70	69	113	0.04	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
11) 1,1-Dichloroethene-d2	2.23	63	172326	25.10	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	50.20%#
21) 2-Butanone-d5	4.20	46	212900	99.60	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.60%
24) Chloroform-d	4.64	84	237662	41.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.44%
26) 1,2-Dichloroethane-d4	5.30	65	155319	43.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.12%
32) Benzene-d6	5.33	84	522374	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.68%
36) 1,2-Dichloropropane-d6	6.32	67	164415	45.86	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.72%
41) Toluene-d8	7.56	98	478307	39.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.66%#
43) trans-1,3-Dichloropropene-	7.85	79	73281	38.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.08%
47) 2-Hexanone-d5	8.32	63	194706	97.53	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.53%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	281179	46.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.84%
64) 1,2-Dichlorobenzene-d4	11.86	152	223339	42.02	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.04%

Target Compounds

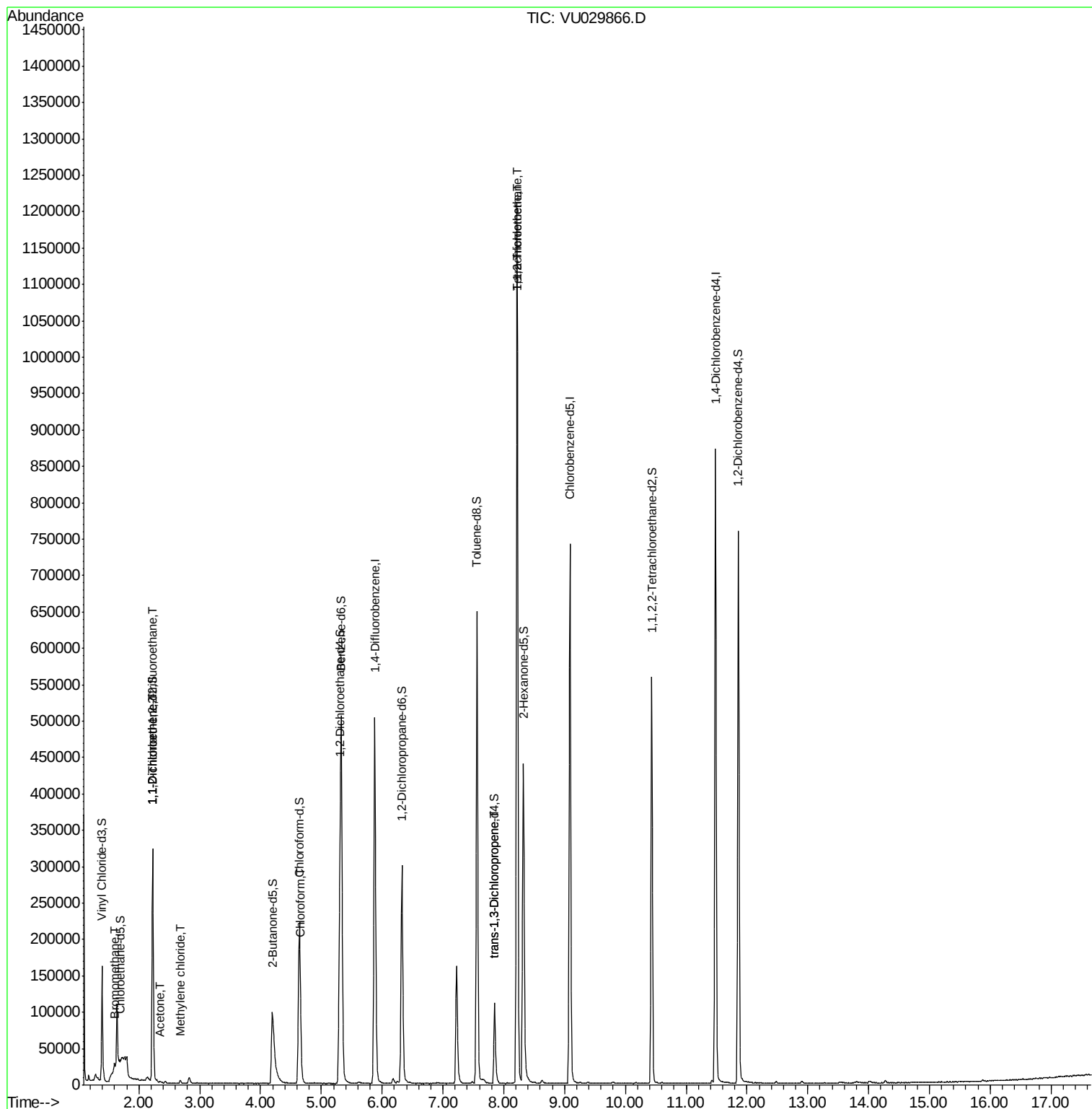
					Qvalue
6) Bromomethane	1.60	94	2421	1.355 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2294	0.687 ug/L #	28
12) 1,1-Dichloroethene	2.23	96	2061	0.649 ug/L #	1
13) Acetone	2.34	43	1444	0.632 ug/L	70
16) Methylene chloride	2.68	84	1836	0.598 ug/L	96
25) Chloroform	4.67	83	8648	1.530 ug/L	88
44) trans-1,3-Dichloropropene	7.85	75	3147	0.649 ug/L	90
45) 1,1,2-Trichloroethane	8.22	97	2137	0.629 ug/L #	1
46) Tetrachloroethene	8.22	164	296850	92.727 ug/L	99

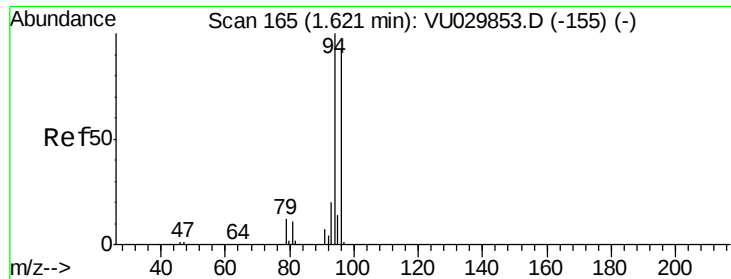
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Bromomethane

Concen: 1.355 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.02 min

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Instrument :

MSVOA_U

ClientSampleId :

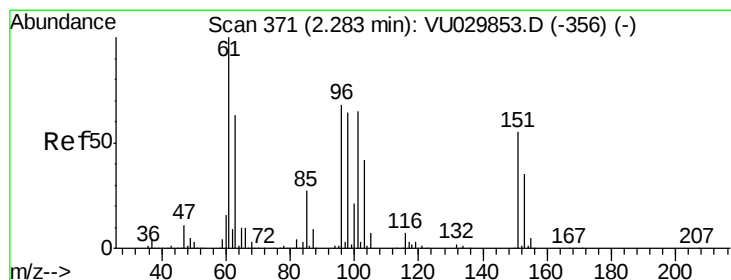
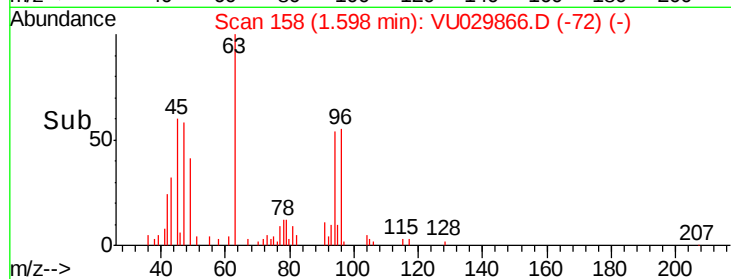
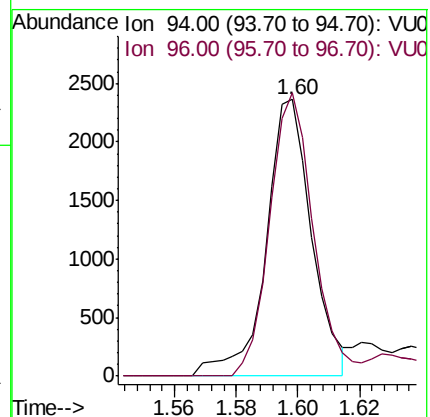
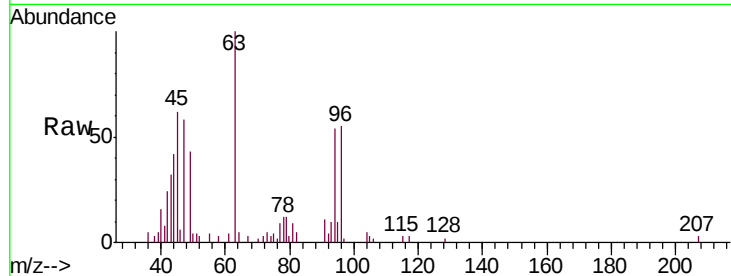
BFOPOME

Tgt Ion: 94 Resp: 2421

Ion Ratio Lower Upper

94 100

96 102.2 66.4 123.2



#10

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

Concen: 0.687 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU029866.D

Acq: 07 Mar 2019 21:21

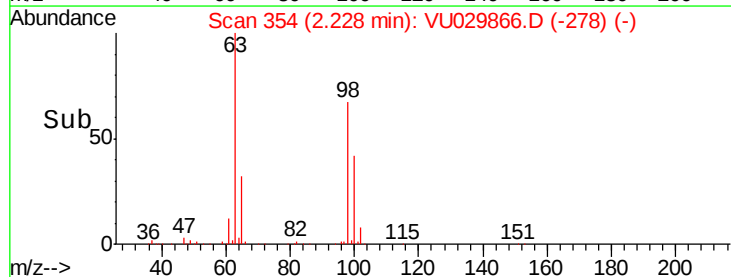
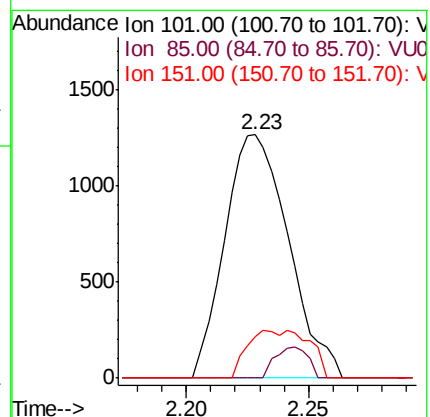
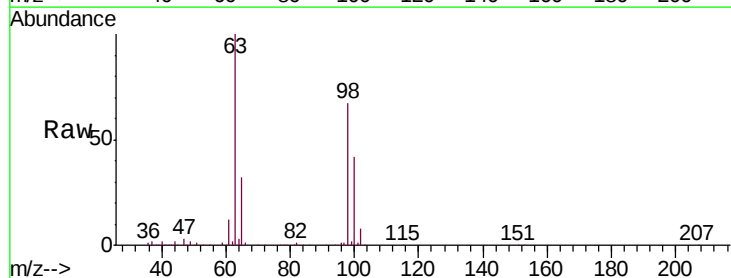
Tgt Ion: 101 Resp: 2294

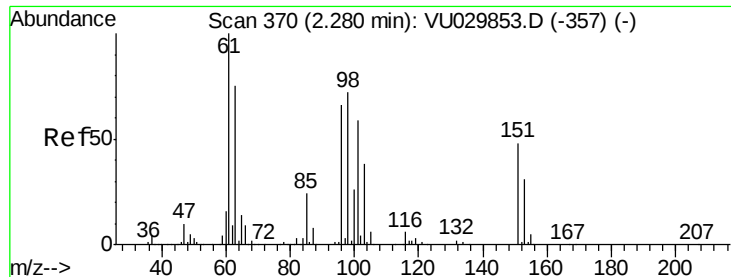
Ion Ratio Lower Upper

101 100

85 6.6 33.0 49.6#

151 10.2 65.7 98.5#





#12

1,1-Dichloroethene

Concen: 0.649 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

Lab File: VU029866.D

Acq: 07 Mar 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

BFOPOME

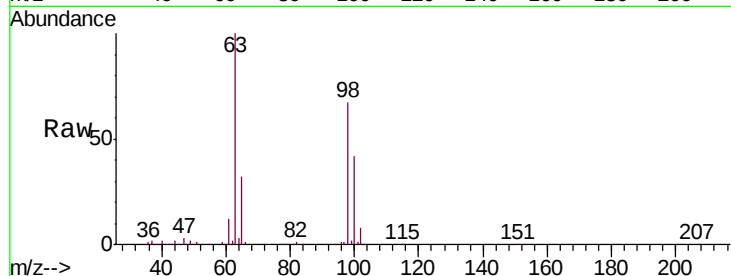
Tgt Ion: 96 Resp: 2061

Ion Ratio Lower Upper

96 100

61 1147.2 114.0 211.8#

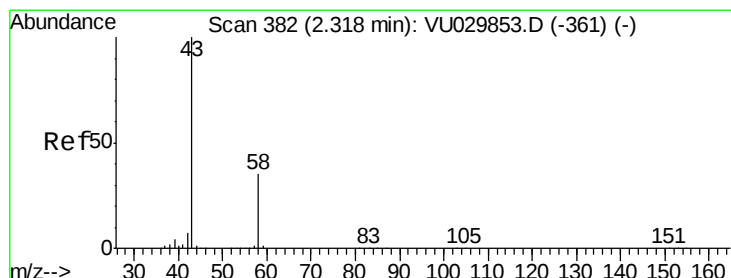
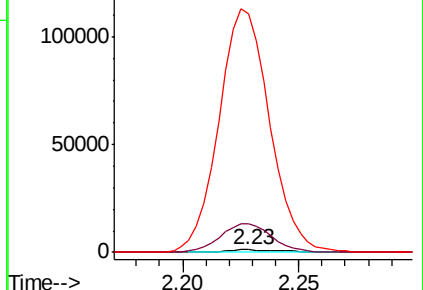
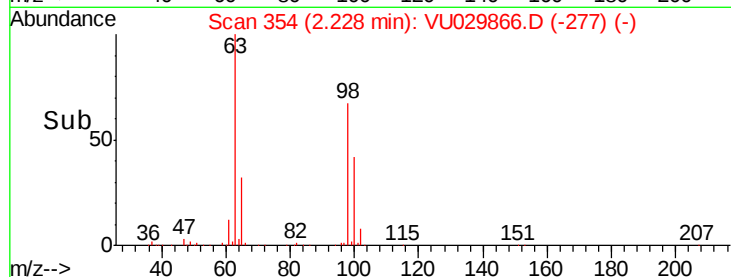
63 9726.4 98.7 183.3#



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: 0.632 ug/L

RT: 2.34 min Scan# 390

Delta R.T. 0.03 min

Lab File: VU029866.D

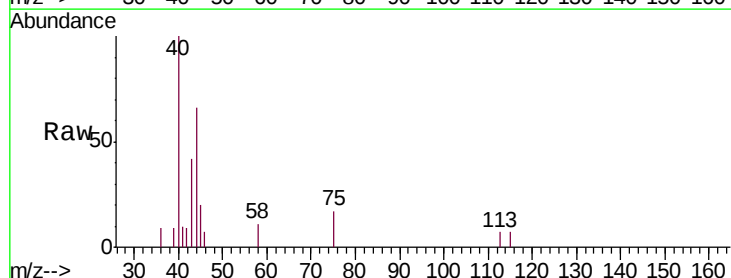
Acq: 07 Mar 2019 21:21

Tgt Ion: 43 Resp: 1444

Ion Ratio Lower Upper

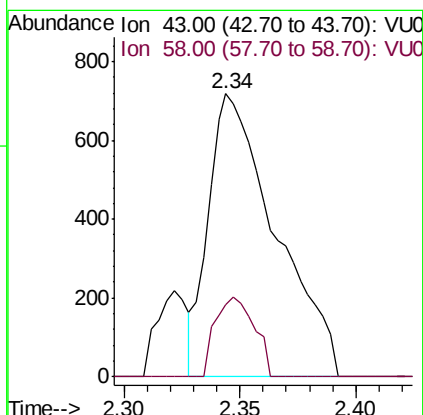
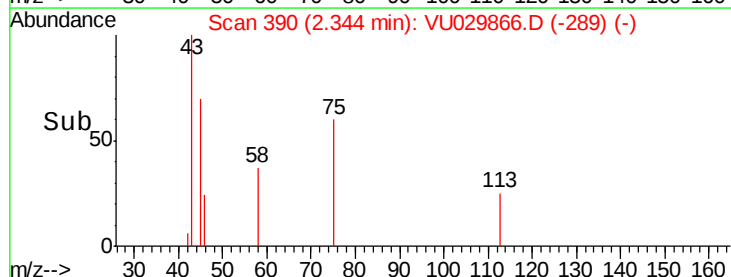
43 100

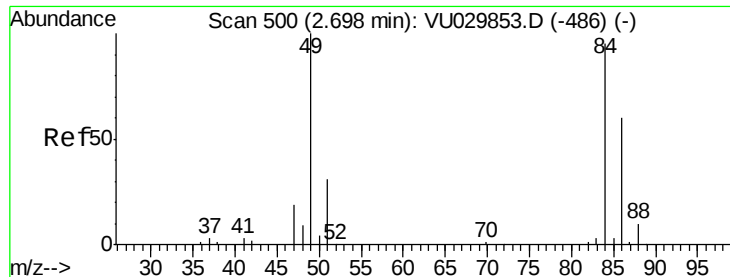
58 16.3 0.0 66.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

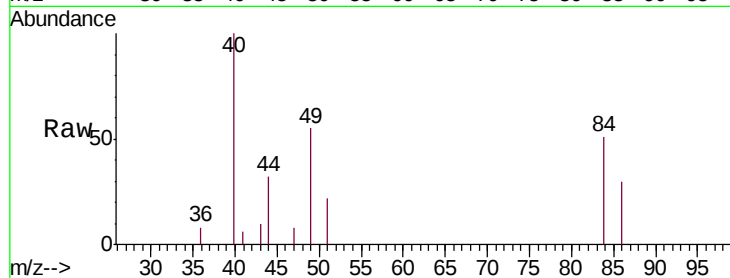




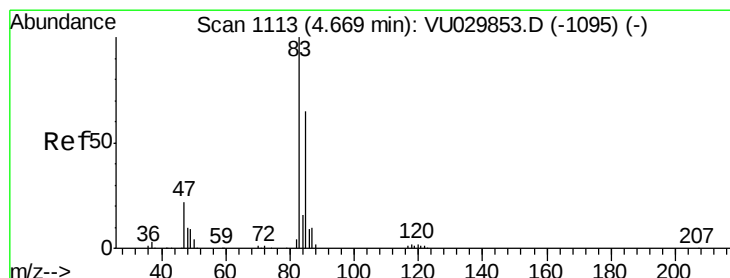
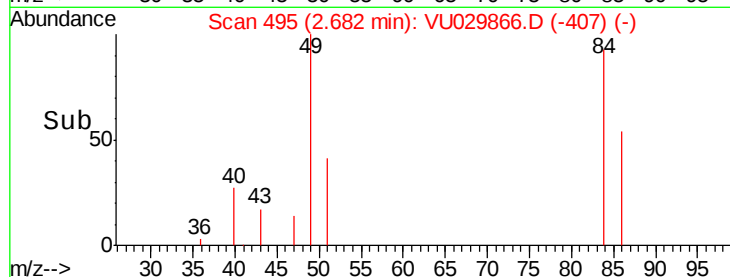
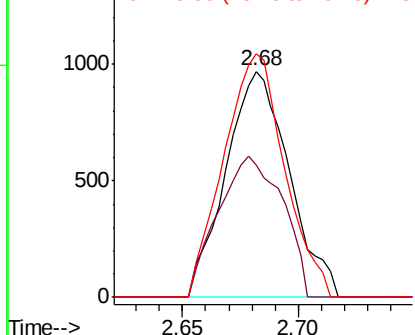
#16
Methylene chloride
Concen: 0.598 ug/L
RT: 2.68 min Scan# 495
Delta R.T. -0.02 min
Lab File: VU029866.D
Acq: 07 Mar 2019 21:21

Instrument :
MSVOA_U
ClientSampleId :
BFOP0ME

Tgt Ion: 84 Resp: 1836
Ion Ratio Lower Upper
84 100
86 58.7 45.8 85.0
49 107.9 75.1 139.5

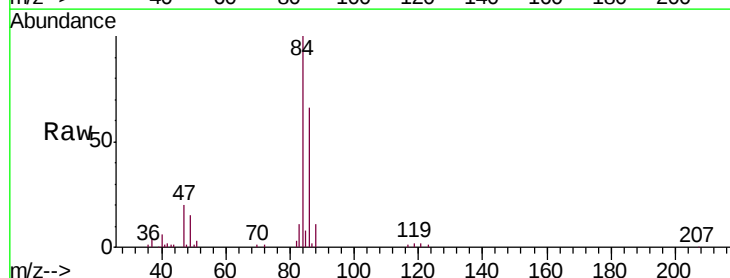


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

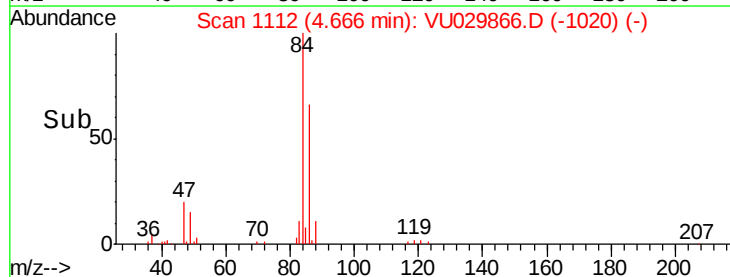
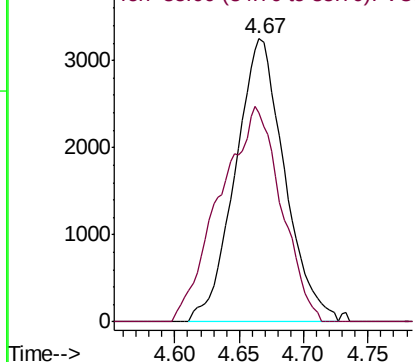


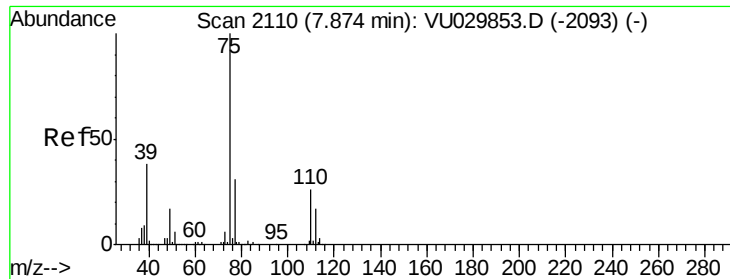
#25
Chloroform
Concen: 1.530 ug/L
RT: 4.67 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VU029866.D
Acq: 07 Mar 2019 21:21

Tgt Ion: 83 Resp: 8648
Ion Ratio Lower Upper
83 100
85 74.1 45.4 84.2



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.649 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU029866.D

Acq: 07 Mar 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

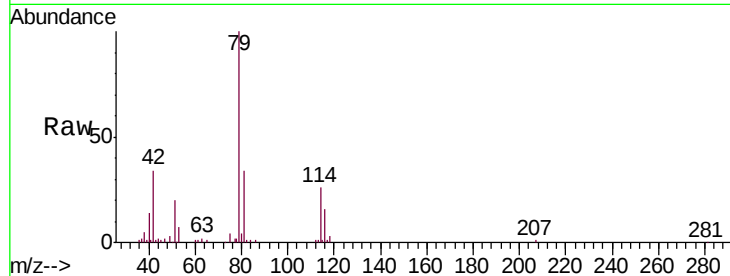
BFOP0ME

Tgt Ion: 75 Resp: 3147

Ion Ratio Lower Upper

75 100

77 37.2 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU029853.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU029853.D (-2093) (-)

7.85

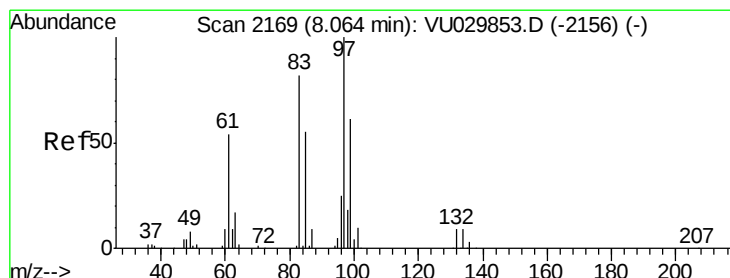
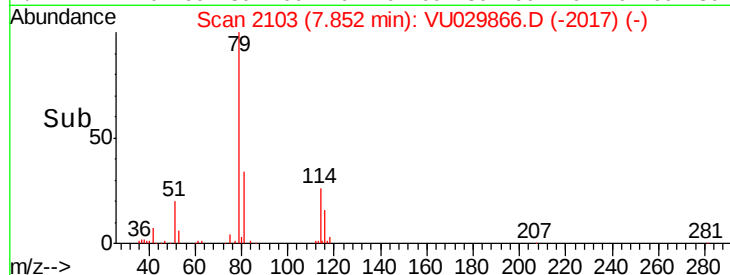
1500

1000

500

0

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.629 ug/L

RT: 8.22 min Scan# 2217

Delta R.T. 0.15 min

Lab File: VU029866.D

Acq: 07 Mar 2019 21:21

Tgt Ion: 97 Resp: 2137

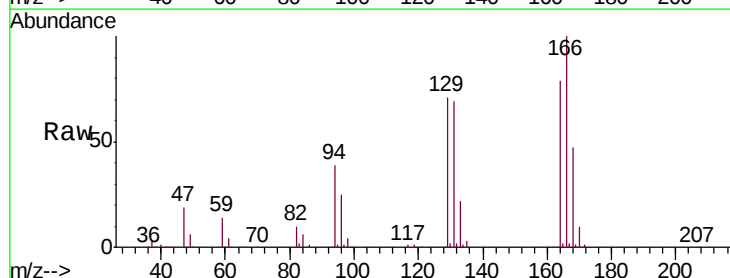
Ion Ratio Lower Upper

97 100

99 17.1 43.8 81.3#

83 260.9 57.7 107.1#

85 48.2 38.5 71.5



Abundance Ion 97.00 (96.70 to 97.70): VU029853.D (-2156) (-)

Ion 99.00 (98.70 to 99.70): VU029853.D (-2156) (-)

Ion 83.00 (82.70 to 83.70): VU029853.D (-2156) (-)

Ion 85.00 (84.70 to 85.70): VU029853.D (-2156) (-)

5000

4000

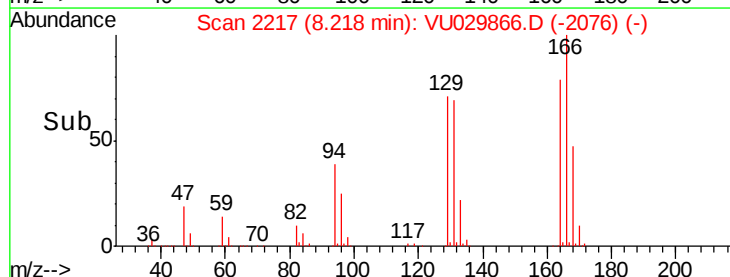
3000

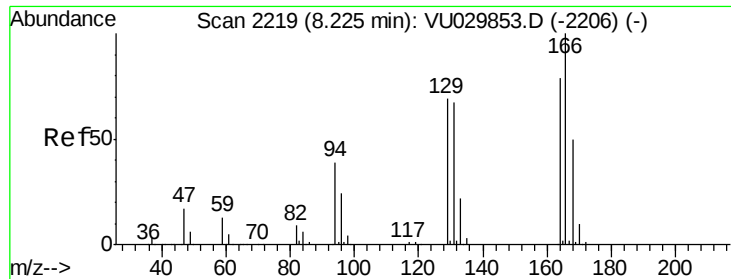
2000

1000

0

Time-->





#46

Tetrachloroethene

Concen: 92.727 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU029866.D

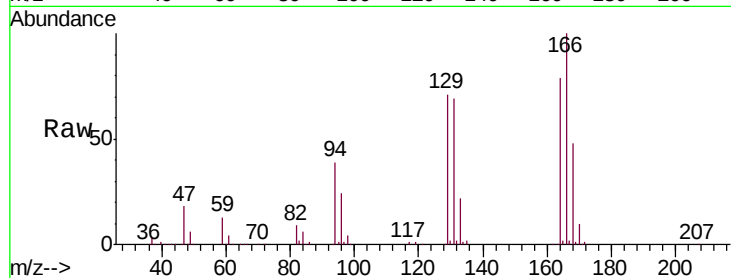
Acq: 07 Mar 2019 21:21

Instrument :

MSVOA_U

ClientSampleId :

BFOP0ME



Tgt Ion:164 Resp: 296850

Ion Ratio Lower Upper

164 100

129 89.5 62.1 115.3

131 87.2 60.1 111.5

166 126.7 89.7 166.5

Abundance Ion 164.00 (163.70 to 164.70): V

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

