

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061920\
 Data File : VU038998.D
 Acq On : 20 Jun 2020 00:29
 Operator : SY/MD
 Sample : L3061-02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXH9

Quant Time: Jun 20 05:46:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 20 05:43:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.52	114	116	5.00	ug/L	0.24
28) Chlorobenzene-d5	9.46	117	534	5.00	ug/L	0.02
60) 1,4-Dichlorobenzene-d4	11.84	152	518	5.00	ug/L	0.02

System Monitoring Compounds

4) Vinyl Chloride-d3	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	40 - 130	Recovery	=	0.00%#
7) Chloroethane-d5	1.81	69	46	5.80	ug/L	-0.13
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.00%
11) 1,1-Dichloroethene-d2	0.00	63	0	0.00	ug/L	
Spiked Amount	5.000	Range	60 - 125	Recovery	=	0.00%#
20) 2-Butanone-d5	0.00	46	0	0.00	ug/L	
Spiked Amount	50.000	Range	40 - 130	Recovery	=	0.00%#
24) Chloroform-d	0.00	84	0	0.00	ug/L	
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.00%#
26) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.00%#
32) Benzene-d6	0.00	84	0	0.00	ug/L	
Spiked Amount	5.000	Range	70 - 125	Recovery	=	0.00%#
36) 1,2-Dichloropropane-d6	6.96	67	42	0.80	ug/L	0.24
Spiked Amount	5.000	Range	60 - 140	Recovery	=	16.00%#
41) Toluene-d8	7.95	98	96	0.60	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	12.00%#
43) trans-1,3-Dichloropropene-	8.32	79	88	3.54	ug/L	0.12
Spiked Amount	5.000	Range	55 - 130	Recovery	=	70.80%
46) 2-Hexanone-d5	8.75	63	1314	120.97	ug/L	0.09
Spiked Amount	50.000	Range	45 - 130	Recovery	=	241.94%#
57) 1,1,2,2-Tetrachloroethane-	10.80	84	2571	55.02	ug/L	0.03
Spiked Amount	5.000	Range	65 - 120	Recovery	=	1100.40%#
64) 1,2-Dichlorobenzene-d4	12.22	152	862	8.26	ug/L	0.02
Spiked Amount	5.000	Range	80 - 120	Recovery	=	165.20%#

Target Compounds

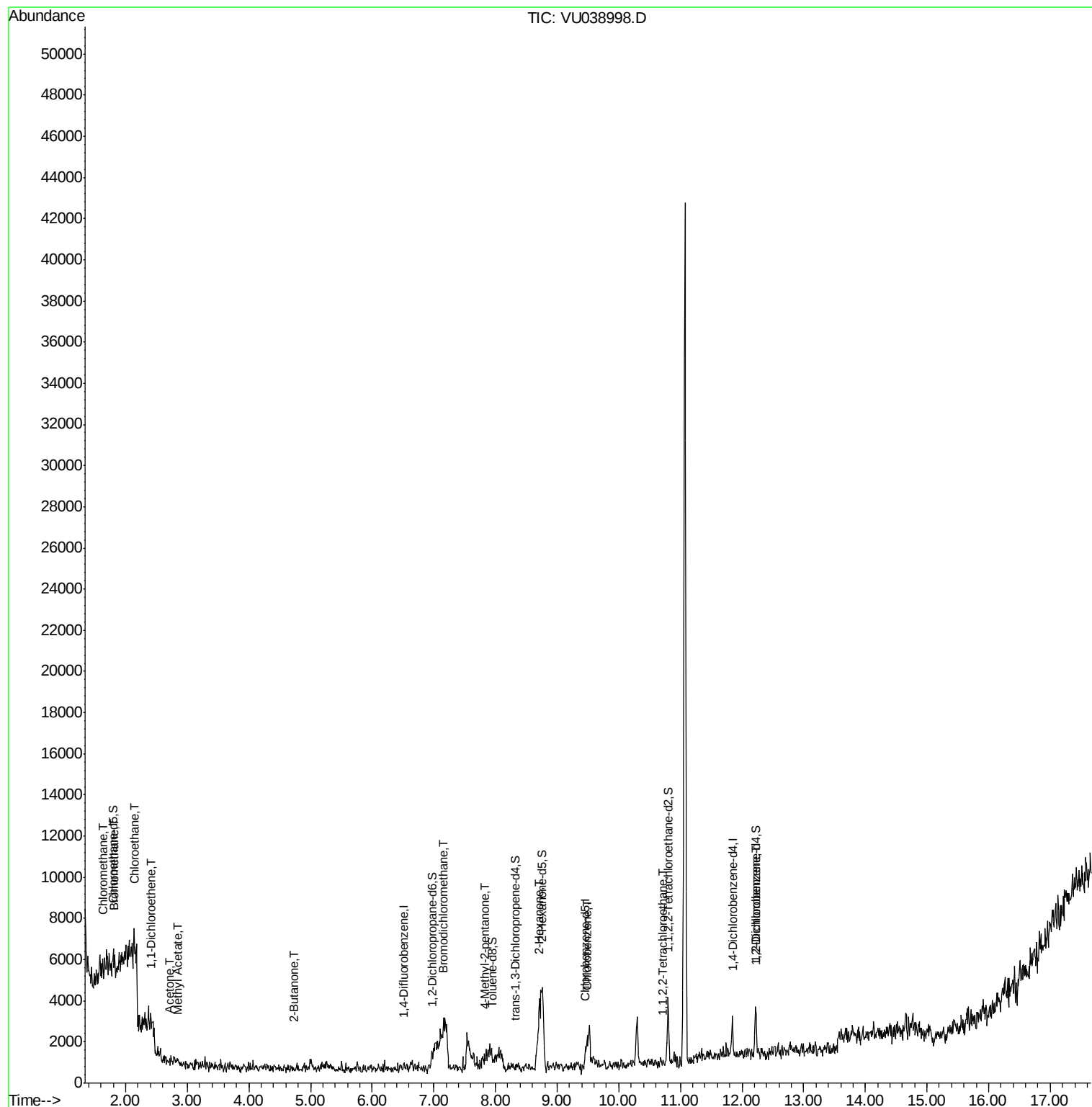
					Ovalue
3) Chloromethane	1.63	50	60	5.108	ug/L # 43
6) Bromomethane	1.82	94	22	4.676	ug/L # 1
8) Chloroethane	2.14	64	22	3.155	ug/L # 41
12) 1,1-Dichloroethene	2.41	96	58	6.749	ug/L # 1
13) Acetone	2.71	43	43	21.635	ug/L # 66
15) Methyl Acetate	2.84	43	66	13.370	ug/L # 51
21) 2-Butanone	4.73	43	48	14.971	ug/L # 49
38) Bromodichloromethane	7.16	83	44	0.720	ug/L # 24
40) 4-Methyl-2-pentanone	7.82	43	115	2.888	ug/L # 46
48) 2-Hexanone	8.72	43	205	7.685	ug/L # 47
51) Chlorobenzene	9.50	112	77	0.679	ug/L # 28
58) 1,1,2,2-Tetrachloroethane	10.71	83	22	0.483	ug/L # 24
65) 1,2-Dichlorobenzene	12.24	146	20	0.123	ug/L # 24

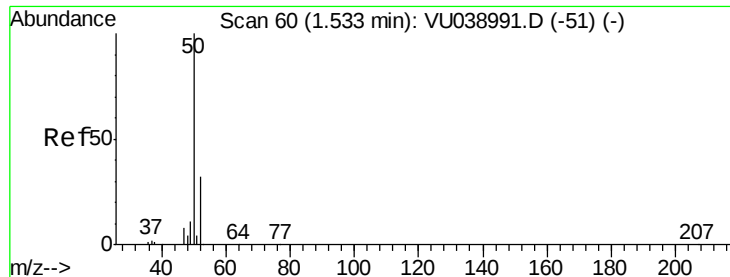
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 5.108 ug/L

RT: 1.63 min Scan# 91

Delta R.T. 0.10 min

Lab File: VU038998.D

Acq: 20 Jun 2020 00:29

Instrument :

MSVOA_U

ClientSampleId :

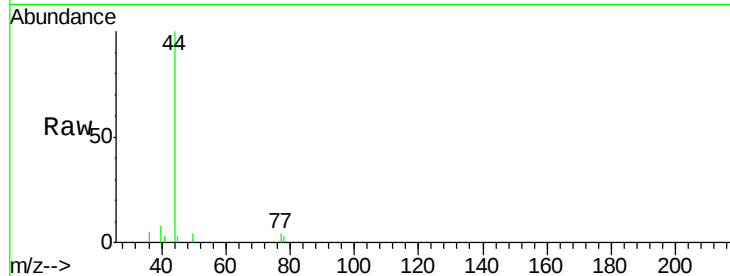
BFXH9

Tot Ion: 50 Resp: 60

Ion Ratio Lower Upper

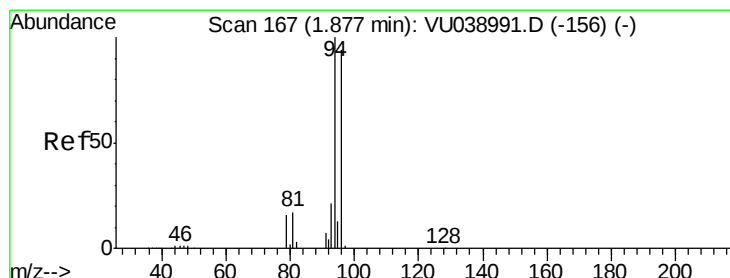
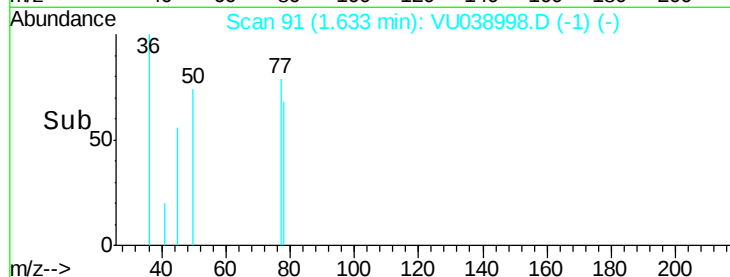
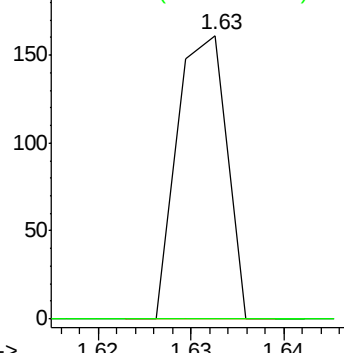
50 100

52 0.0 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#6

Bromomethane

Concen: 4.676 ug/L

RT: 1.82 min Scan# 148

Delta R.T. -0.06 min

Lab File: VU038998.D

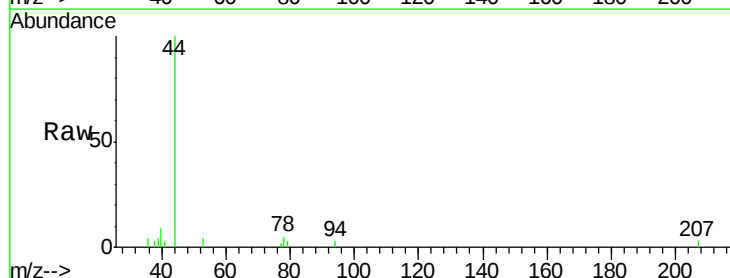
Acq: 20 Jun 2020 00:29

Tgt Ion: 94 Resp: 22

Ion Ratio Lower Upper

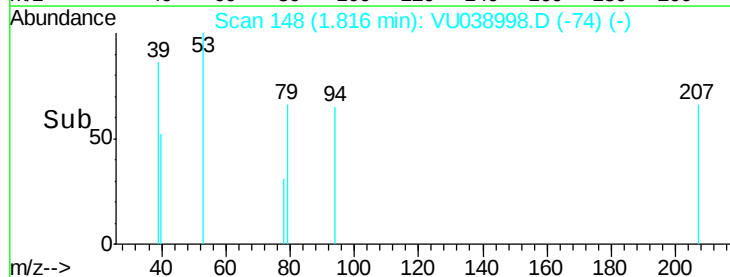
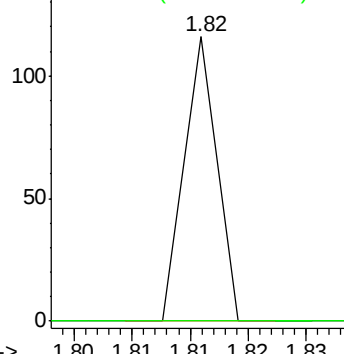
94 100

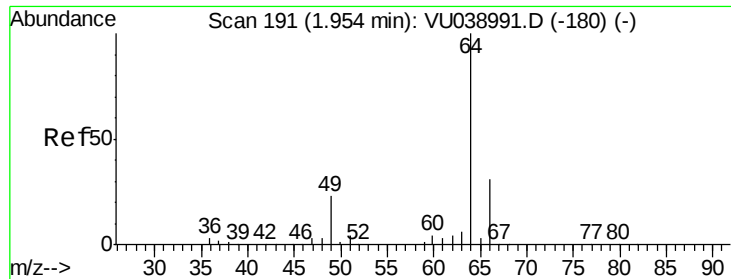
96 0.0 68.0 126.4#



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 3.155 ug/L

RT: 2.14 min Scan# 250

Delta R.T. 0.19 min

Lab File: VU038998.D

Acq: 20 Jun 2020 00:29

Instrument :

MSVOA_U

ClientSampleId :

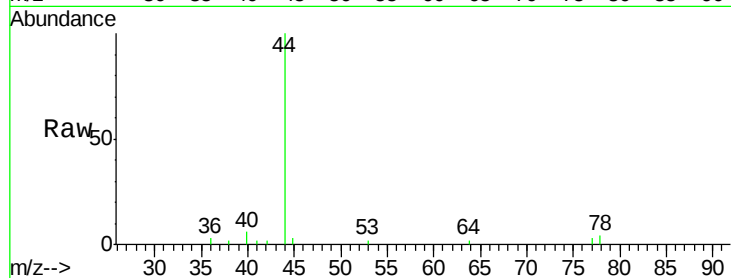
BFXH9

Tot Ion: 64 Resp: 22

Ion Ratio Lower Upper

64 100

66 0.0 23.2 43.2#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

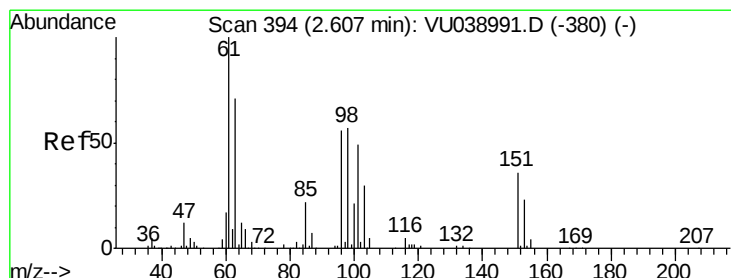
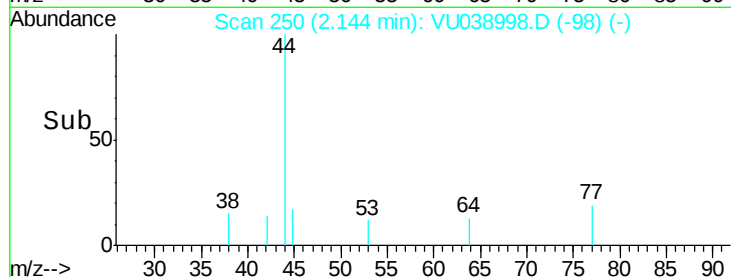
2.14

100

50

0

Time-->



#12

1,1-Dichloroethene

Concen: 6.749 ug/L

RT: 2.41 min Scan# 333

Delta R.T. -0.20 min

Lab File: VU038998.D

Acq: 20 Jun 2020 00:29

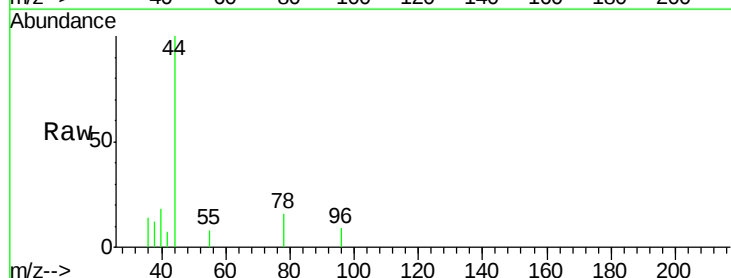
Tgt Ion: 96 Resp: 58

Ion Ratio Lower Upper

96 100

61 0.0 126.0 234.0#

63 0.0 87.2 162.0#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0

200

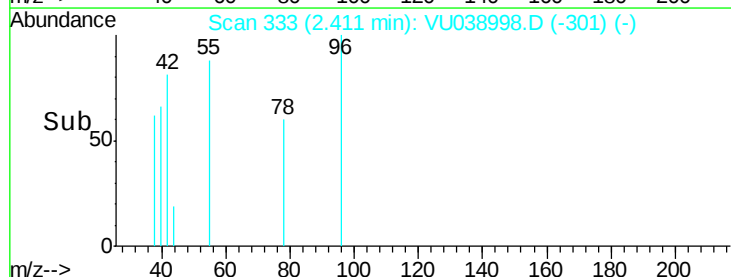
150

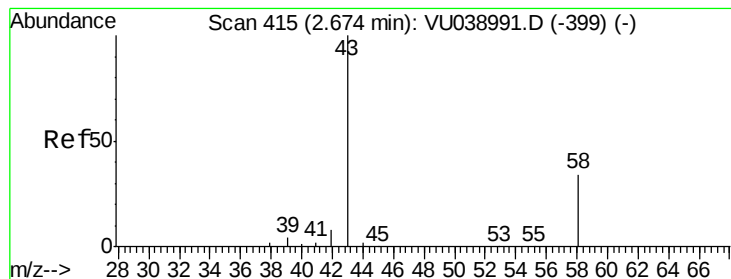
100

50

0

Time-->





#13

Acetone

Concen: 21.635 ug/L

RT: 2.71 min Scan# 427

Delta R.T. 0.04 min

Lab File: VU038998.D

Acq: 20 Jun 2020 00:29

Instrument :

MSVOA_U

ClientSampleId :

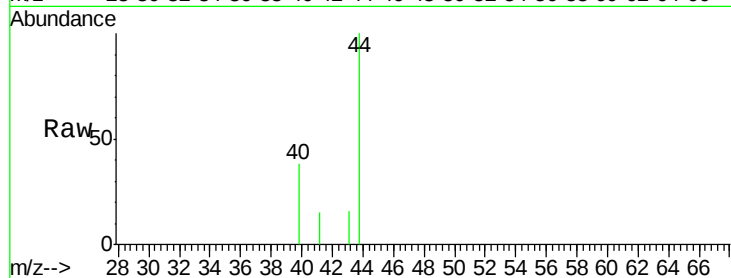
BFXH9

Tot Ion: 43 Resp: 43

Ion Ratio Lower Upper

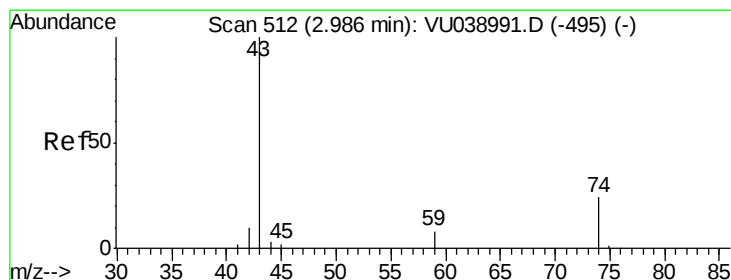
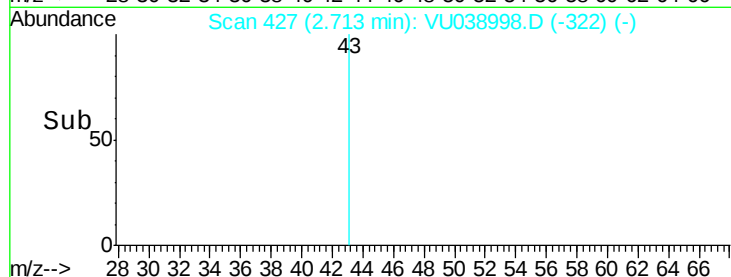
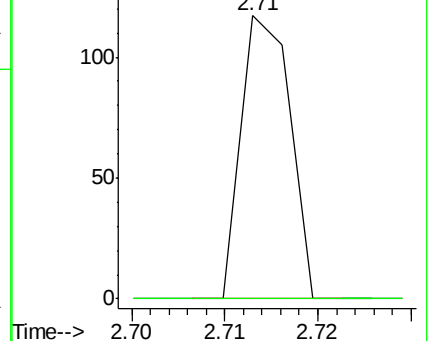
43 100

58 51.2 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#15

Methyl Acetate

Concen: 13.370 ug/L

RT: 2.84 min Scan# 468

Delta R.T. -0.14 min

Lab File: VU038998.D

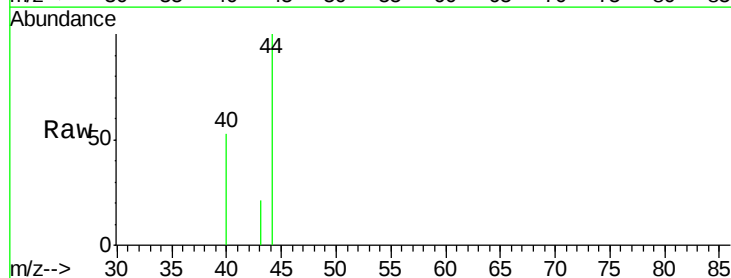
Acq: 20 Jun 2020 00:29

Tgt Ion: 43 Resp: 66

Ion Ratio Lower Upper

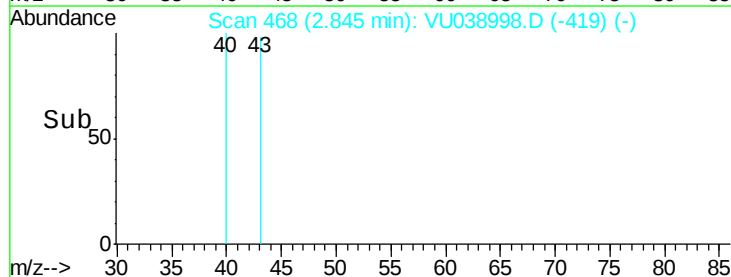
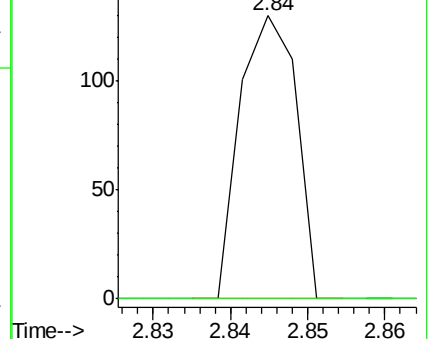
43 100

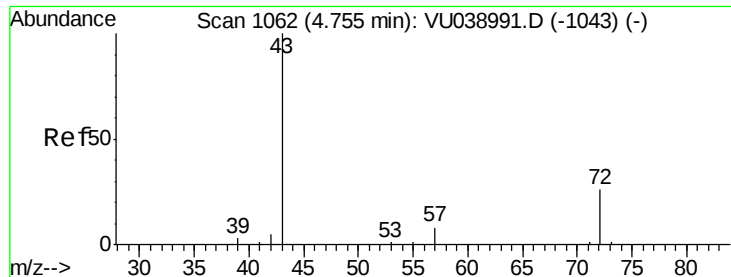
74 0.0 19.3 28.9#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0





#21

2-Butanone

Concen: 14.971 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. -0.03 min

Lab File: VU038998.D

Acq: 20 Jun 2020 00:29

Instrument :

MSVOA_U

ClientSampled :

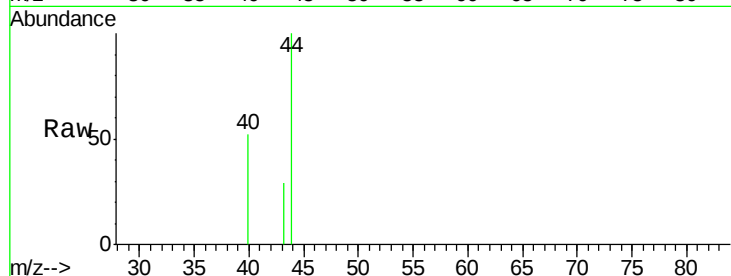
BFXH9

Tot Ion: 43 Resp: 48

Ion Ratio Lower Upper

43 100

72 0.0 13.0 38.9#



Abundance Ion 43.05 (42.75 to 43.75): VU038998.D (-969) (-)

Ion 72.10 (71.80 to 72.80): VU038998.D (-969) (-)

4.73

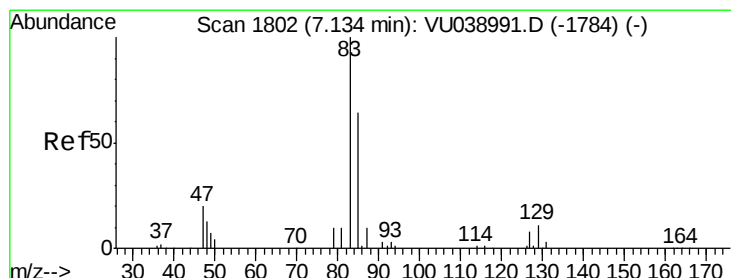
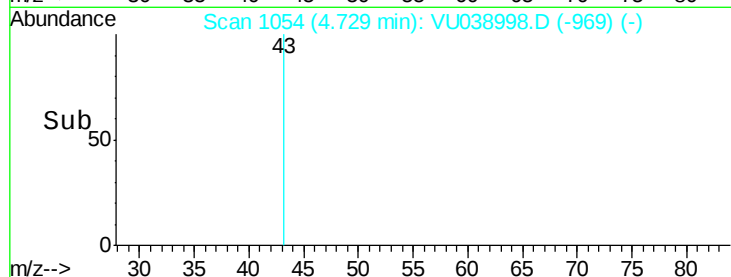
150

100

50

0

Time-->



#38

Bromodichloromethane

Concen: 0.720 ug/L

RT: 7.16 min Scan# 1810

Delta R.T. 0.03 min

Lab File: VU038998.D

Acq: 20 Jun 2020 00:29

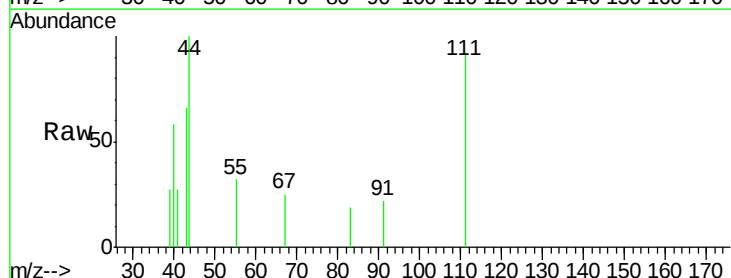
Tgt Ion: 83 Resp: 44

Ion Ratio Lower Upper

83 100

85 0.0 45.5 84.5#

127 0.0 6.8 10.2#



Abundance Ion 82.95 (82.65 to 83.65): VU038998.D (-1709) (-)

Ion 85.00 (84.70 to 85.70): VU038998.D (-1709) (-)

Ion 126.90 (126.60 to 127.60): VU038998.D (-1709) (-)

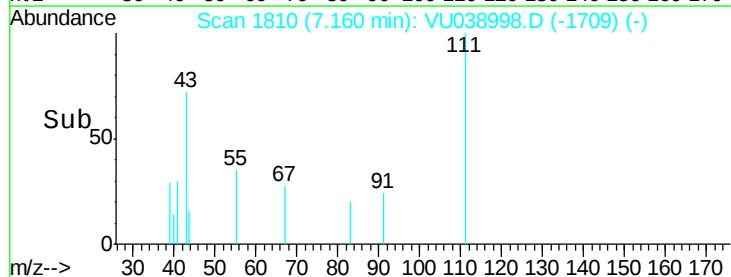
150

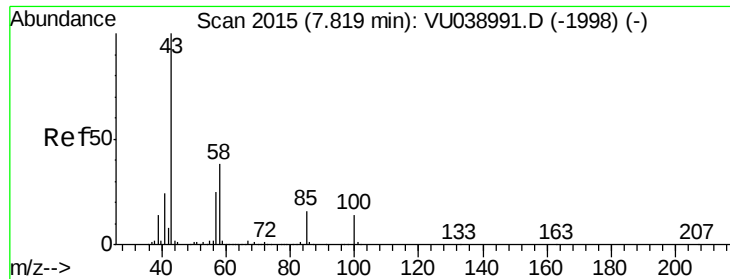
100

50

0

Time-->

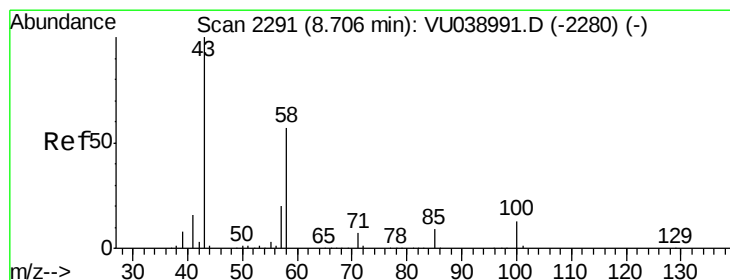
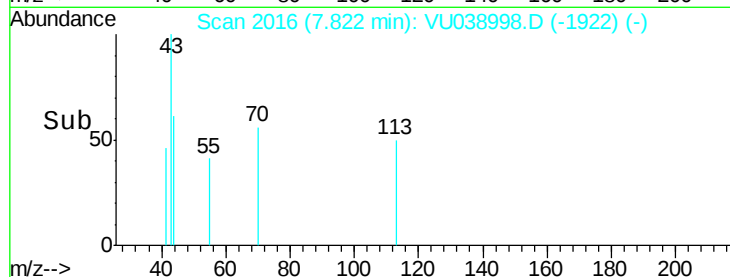
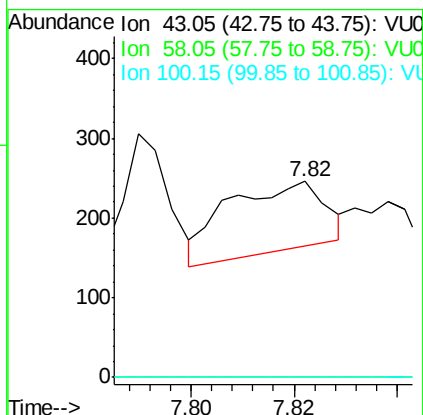
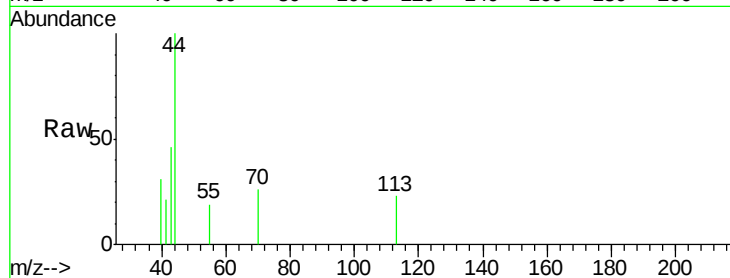




#40
4-Methyl-2-pentanone
Concen: 2.888 ug/L
RT: 7.82 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VU038998.D
Acq: 20 Jun 2020 00:29

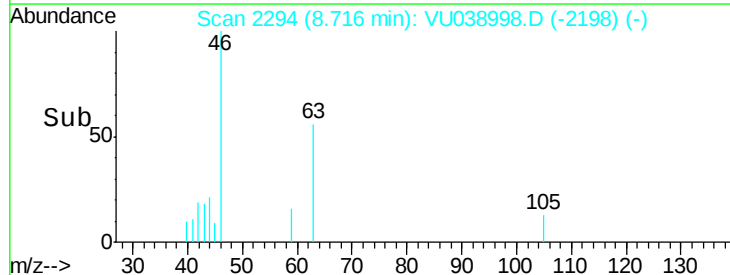
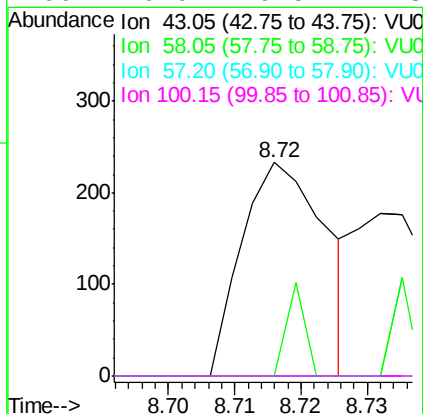
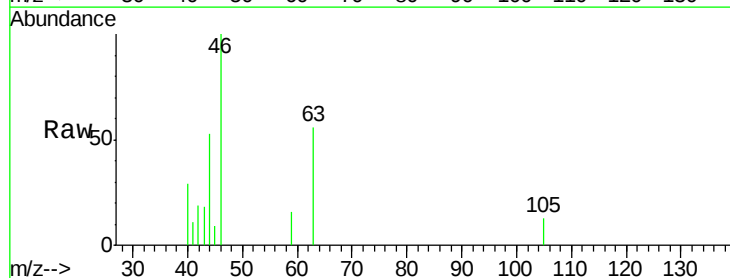
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ClientSampled :
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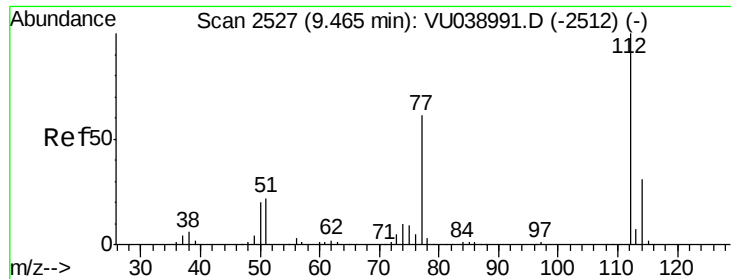
Tot Ion: 43 Resp: 115
Ion Ratio Lower Upper
43 100
58 0.0 29.5 44.3#
100 0.0 11.0 16.4#



#48
2-Hexanone
Concen: 7.685 ug/L
RT: 8.72 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VU038998.D
Acq: 20 Jun 2020 00:29

Tgt Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
58 9.8 43.2 64.8#
57 0.0 15.2 22.8#
100 0.0 9.5 14.3#

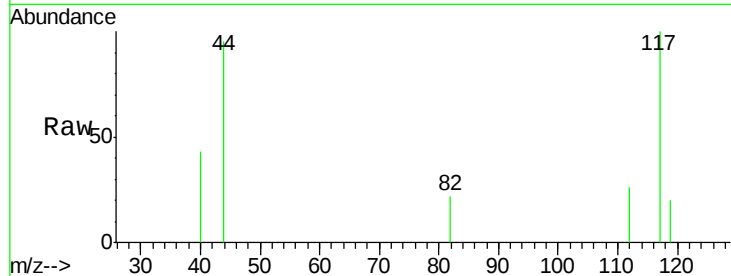




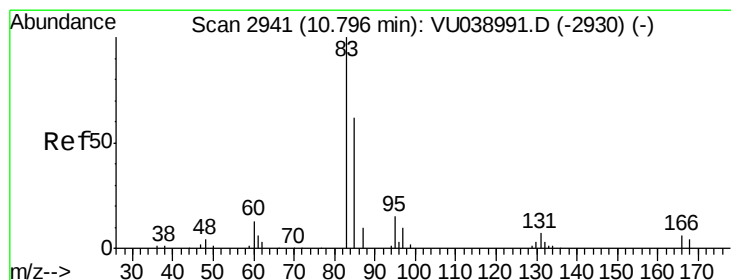
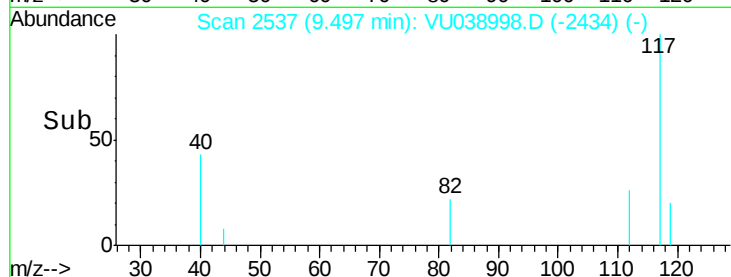
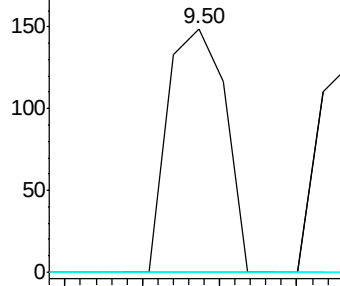
#51
Chlorobenzene
Concen: 0.679 ug/L
RT: 9.50 min Scan# 2537
Delta R.T. 0.03 min
Lab File: VU038998.D
Acq: 20 Jun 2020 00:29

Instrument :
MSVOA_U
ClientSampleId :
BFXH9

Tot Ion: 112 Resp: 77
Ion Ratio Lower Upper
112 100
114 0.0 22.0 41.0#
77 0.0 49.0 73.4#

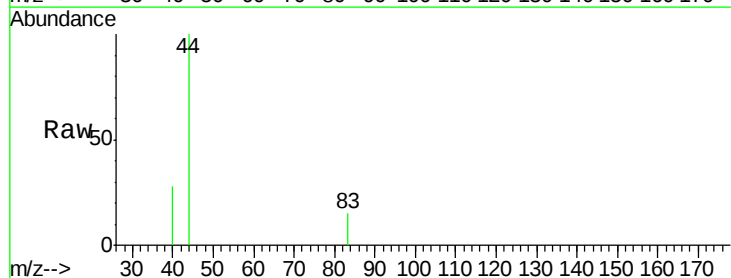


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

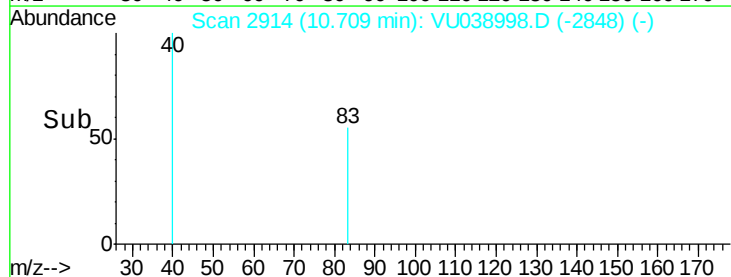
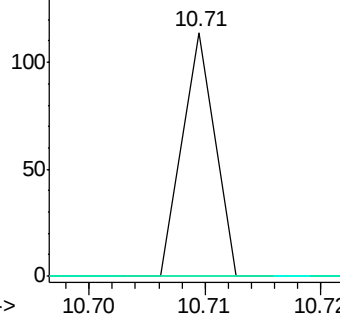


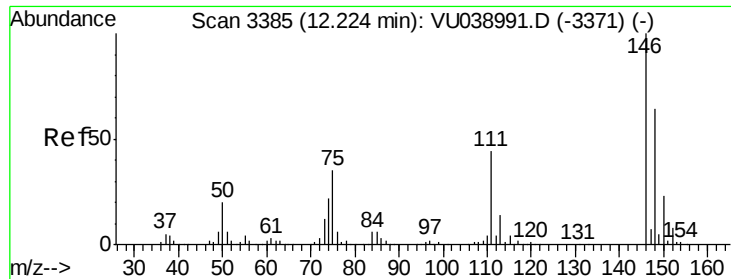
#58
1,1,2,2-Tetrachloroethane
Concen: 0.483 ug/L
RT: 10.71 min Scan# 2914
Delta R.T. -0.09 min
Lab File: VU038998.D
Acq: 20 Jun 2020 00:29

Tgt Ion: 83 Resp: 22
Ion Ratio Lower Upper
83 100
85 0.0 45.6 84.6#
131 0.0 7.0 10.6#



Abundance Ion 82.95 (82.65 to 83.65): V
Ion 85.00 (84.70 to 85.70): V
Ion 130.95 (130.65 to 131.65): V





#65
 1,2-Dichlorobenzene
 Concen: 0.123 ug/L
 RT: 12.24 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VU038998.D
 Acq: 20 Jun 2020 00:29

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXH9

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	34.4	51.6#
148	0.0	50.6	75.8#

