

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U062220\
 Data File : VU039018.D
 Acq On : 22 Jun 2020 20:48
 Operator : SY/MD
 Sample : L3061-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ4

Quant Time: Jun 23 01:29:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR062220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 23 01:25:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	265604	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	271995	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	123620	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	129077	5.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.40%
7) Chloroethane-d5	1.93	69	92848	5.94	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	118.80%
11) 1,1-Dichloroethene-d2	2.59	63	176822	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	4.67	46	389430	54.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.64%
24) Chloroform-d	5.10	84	211607	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.74	65	127551	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.76	84	428698	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.72	67	140311	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.92	98	349966	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	8.20	79	46331	4.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.40%
46) 2-Hexanone-d5	8.65	63	290468	52.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.90%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	121077	5.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	134332	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

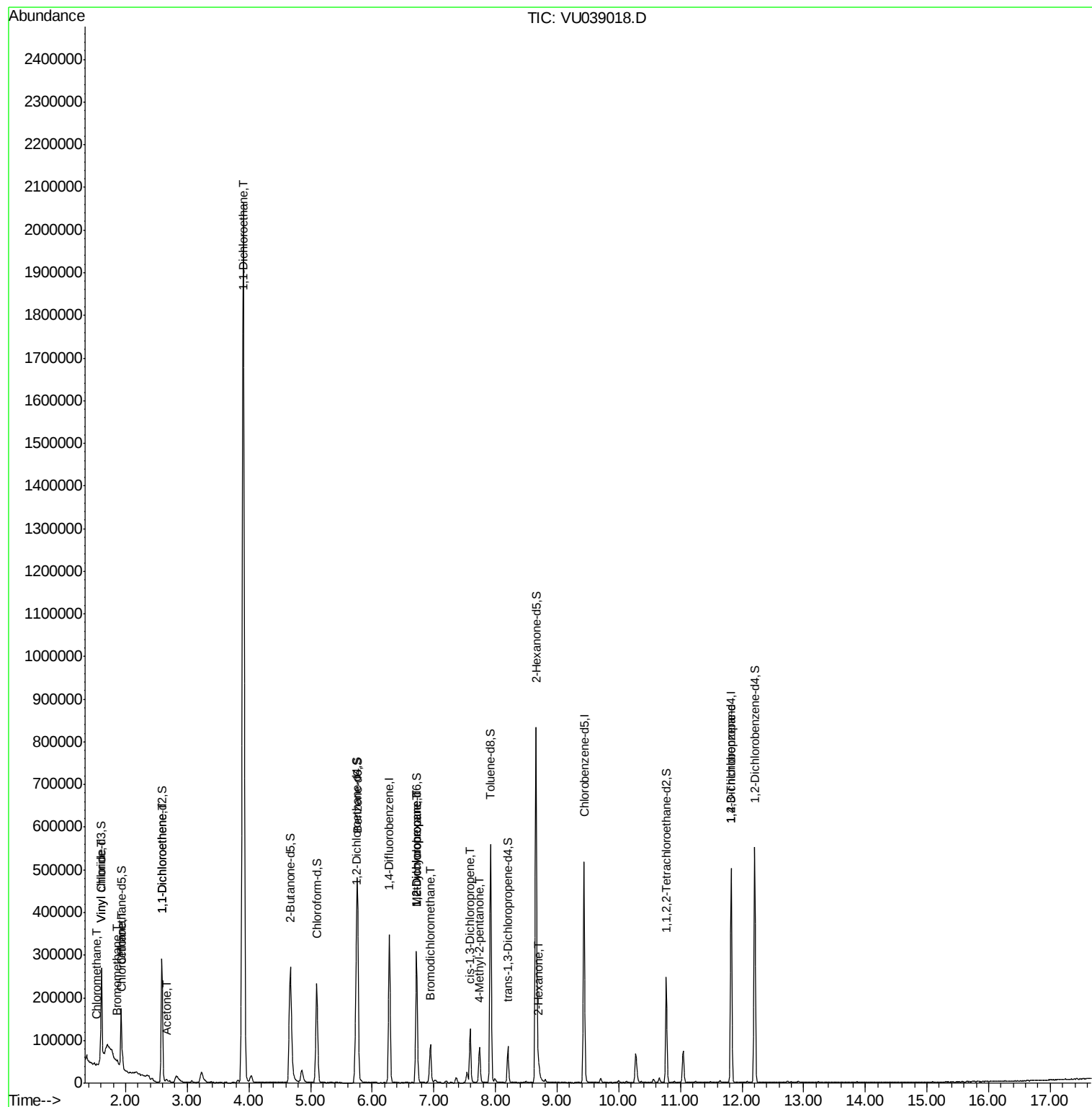
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	2772	0.188	ug/L	96
5) Vinyl chloride	1.62	62	9020	0.333	ug/L #	1
6) Bromomethane	1.87	94	2263	0.350	ug/L	74
8) Chloroethane	1.95	64	34709	2.326	ug/L #	83
12) 1,1-Dichloroethene	2.59	96	3729	0.194	ug/L #	1
13) Acetone	2.66	43	8316	1.856	ug/L	92
19) 1,1-Dichloroethane	3.91	63	2380928	58.726	ug/L	100
35) Methylcyclohexane	6.72	83	32324	0.973	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	14708	0.623	ug/L #	87
38) Bromodichloromethane	6.94	83	3070	0.105	ug/L #	26
39) cis-1,3-Dichloropropene	7.59	75	3175	0.094	ug/L #	77
40) 4-Methyl-2-pentanone	7.74	43	38162	2.210	ug/L #	46
48) 2-Hexanone	8.71	43	17864	1.367	ug/L #	86
59) 1,2,3-Trichloropropane	11.83	75	17178	0.988	ug/L	91

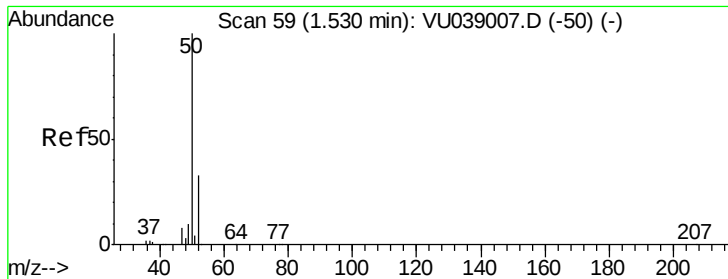
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.188 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039018.D

Acq: 22 Jun 2020 20:48

Instrument :

MSVOA_U

ClientSampled :

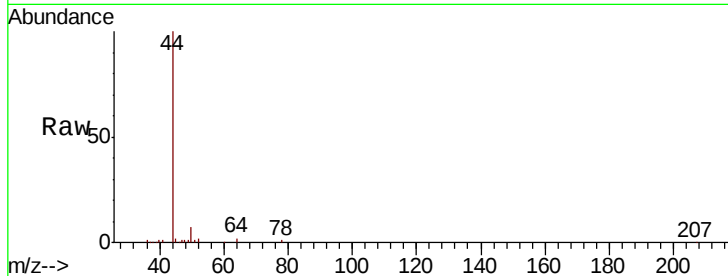
BFXJ4

Tot Ion: 50 Resp: 2772

Ion Ratio Lower Upper

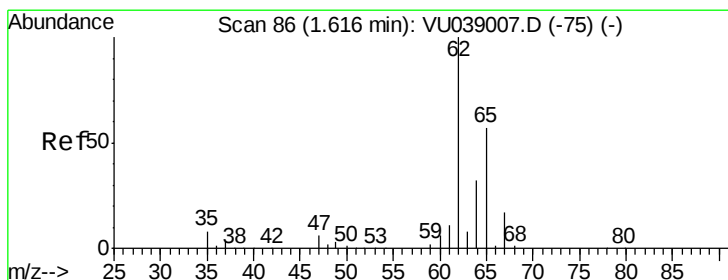
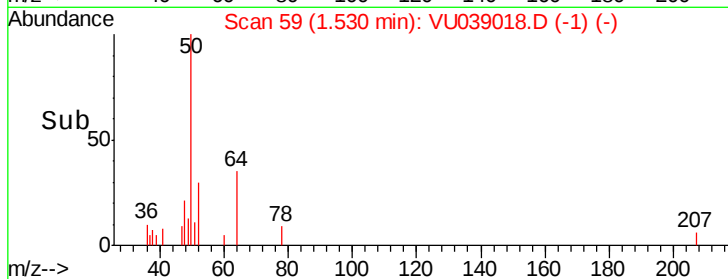
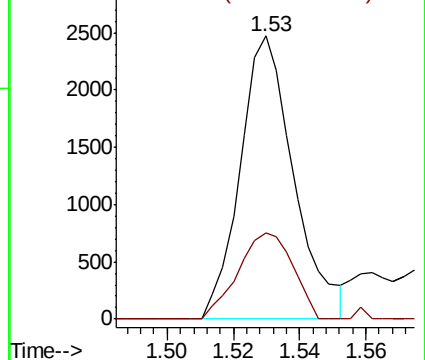
50 100

52 30.5 23.0 42.6



Abundance Ion 50.05 (49.75 to 50.75): VU039007.D (-50) (-)

Ion 52.05 (51.75 to 52.75): VU039018.D (-1) (-)



#5

Vinyl chloride

Concen: 0.333 ug/L

RT: 1.62 min Scan# 86

Delta R.T. -0.00 min

Lab File: VU039018.D

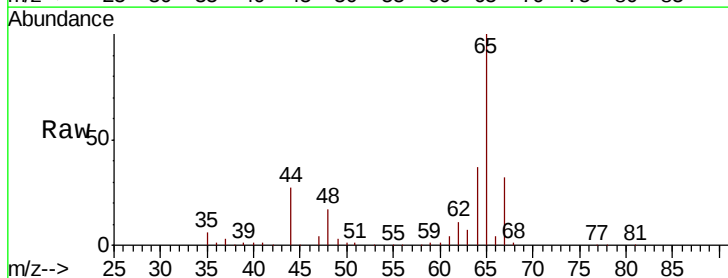
Acq: 22 Jun 2020 20:48

Tgt Ion: 62 Resp: 9020

Ion Ratio Lower Upper

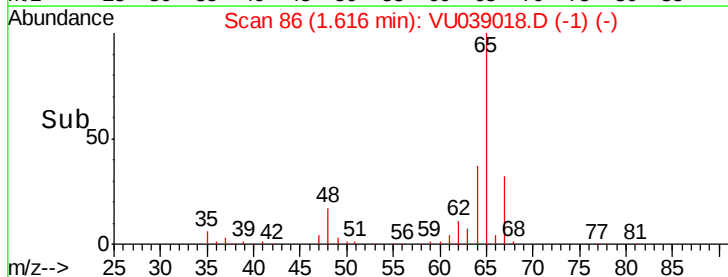
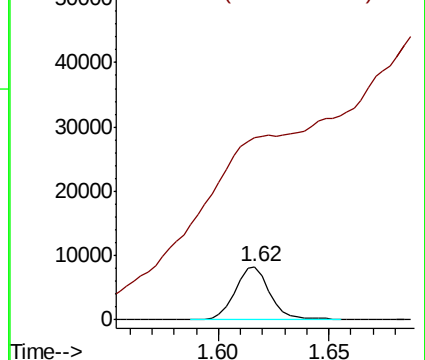
62 100

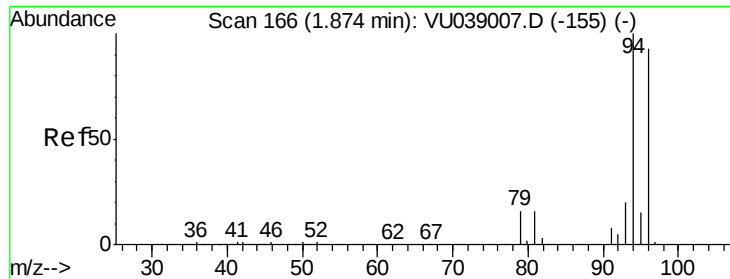
64 340.8 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU039007.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU039018.D (-1) (-)





#6

Bromomethane

Concen: 0.350 ug/L

RT: 1.87 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU039018.D

Acq: 22 Jun 2020 20:48

Instrument :

MSVOA_U

ClientSampleId :

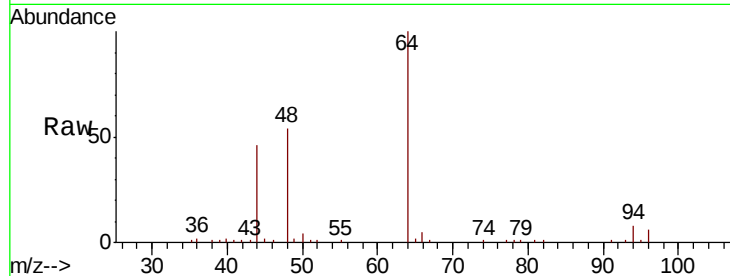
BFXJ4

Tot Ion: 94 Resp: 2263

Ion Ratio Lower Upper

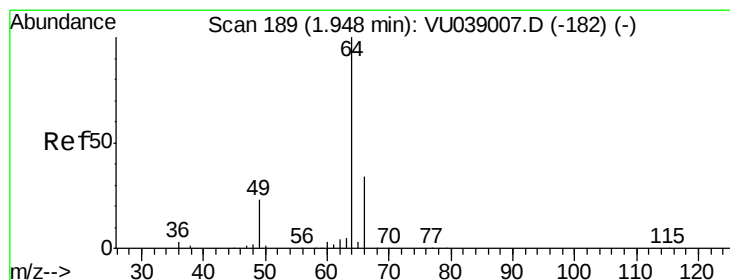
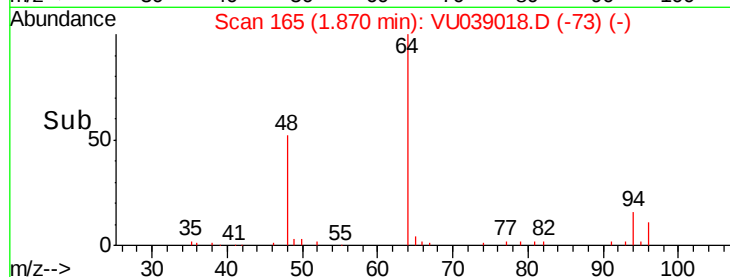
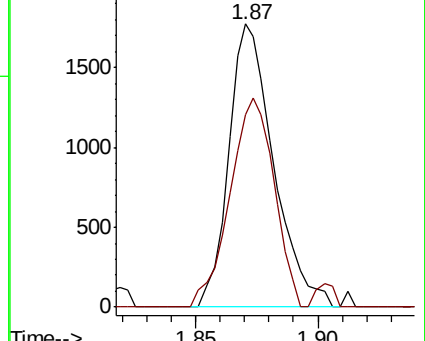
94 100

96 68.2 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VU039018.D (-165) (-)

Ion 96.00 (95.70 to 96.70): VU039018.D (-165) (-)



#8

Chloroethane

Concen: 2.326 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU039018.D

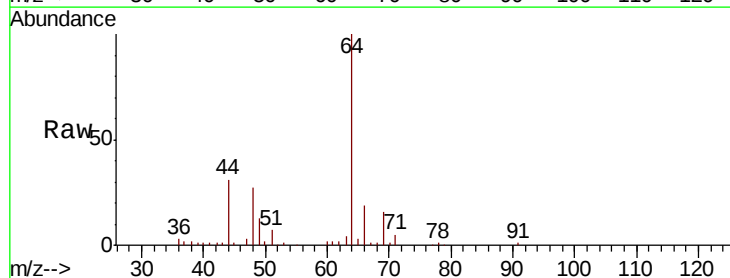
Acq: 22 Jun 2020 20:48

Tgt Ion: 64 Resp: 34709

Ion Ratio Lower Upper

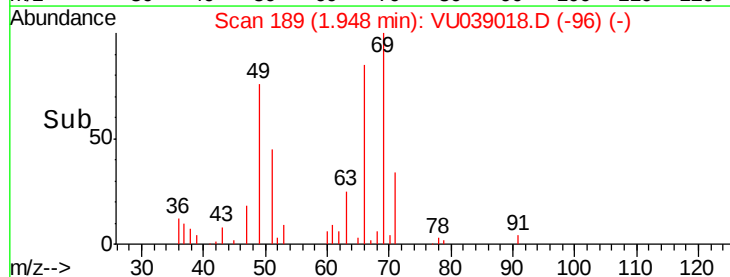
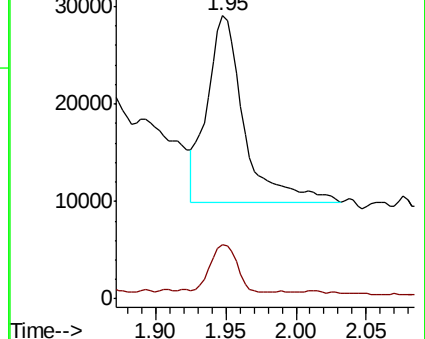
64 100

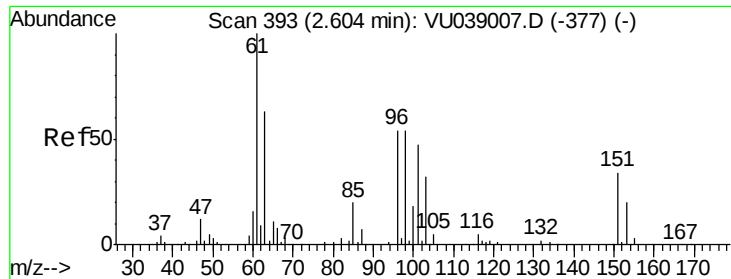
66 19.0 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VU039018.D (-196) (-)

Ion 66.05 (65.75 to 66.75): VU039018.D (-196) (-)





#12

1,1-Dichloroethene

Concen: 0.194 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU039018.D

Acq: 22 Jun 2020 20:48

Instrument :

MSVOA_U

ClientSampled :

BFXJ4

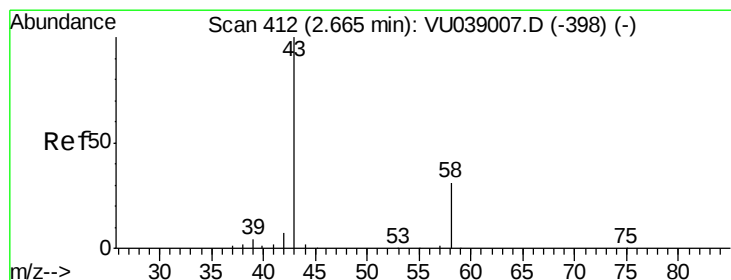
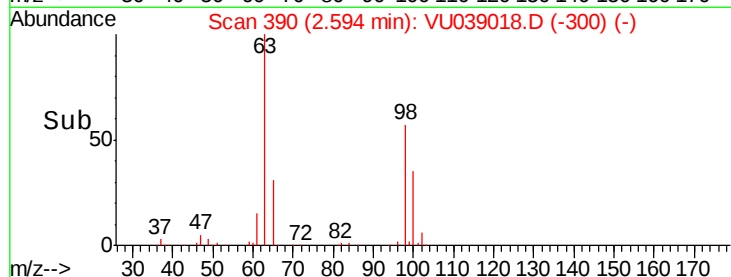
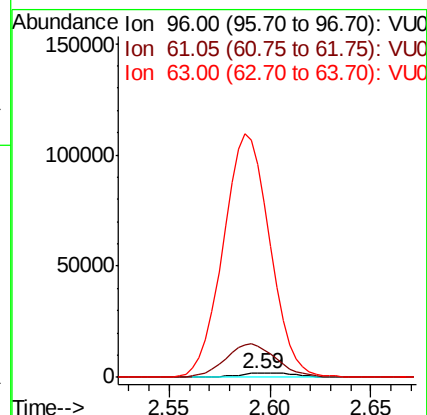
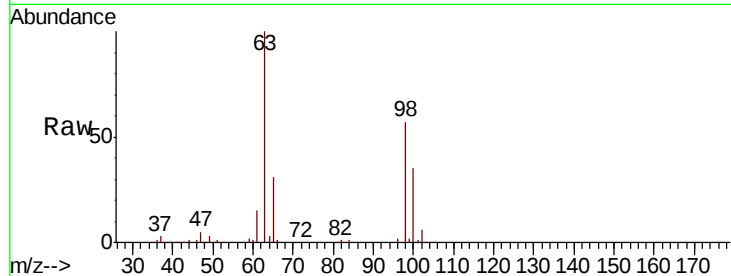
Tot Ion: 96 Resp: 3729

Ion Ratio Lower Upper

96 100

61 793.0 128.7 239.1#

63 5410.8 101.5 188.5#



#13

Acetone

Concen: 1.856 ug/L

RT: 2.66 min Scan# 412

Delta R.T. 0.00 min

Lab File: VU039018.D

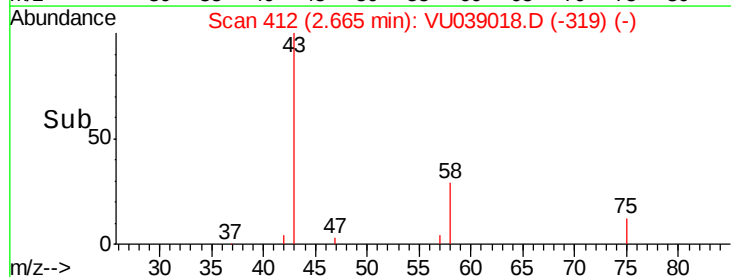
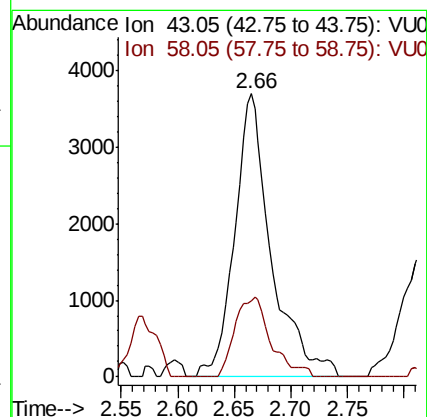
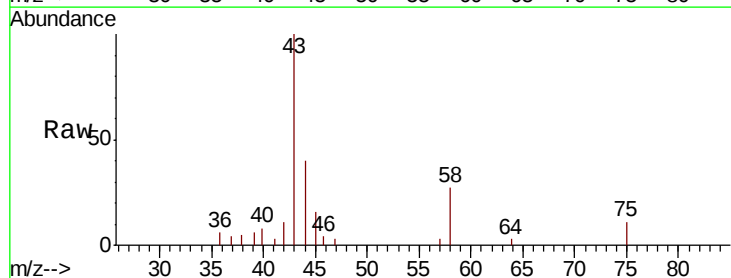
Acq: 22 Jun 2020 20:48

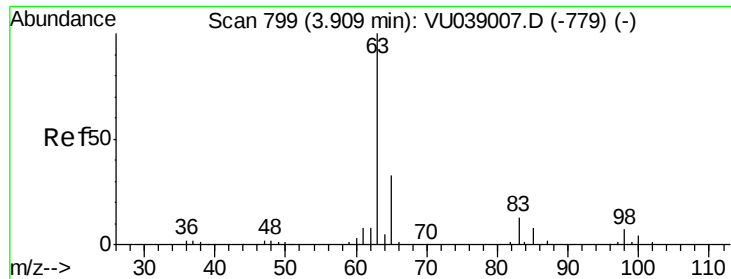
Tgt Ion: 43 Resp: 8316

Ion Ratio Lower Upper

43 100

58 27.9 0.0 64.8

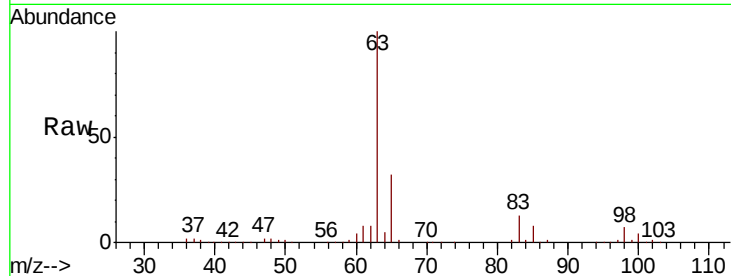




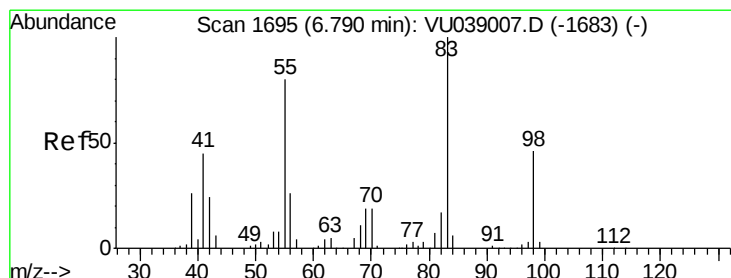
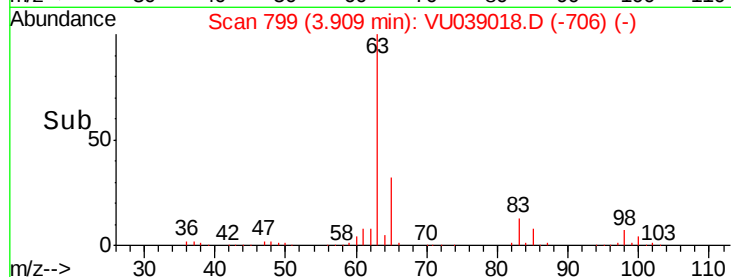
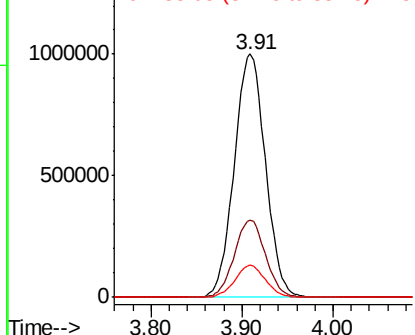
#19
 1,1-Dichloroethane
 Concen: 58.726 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU039018.D
 Acq: 22 Jun 2020 20:48

Instrument :
 MSVOA_U
 ClientSampleId :
 BFXJ4

Tot Ion: 63 Resp: 2380928
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 13.2 9.2 17.2

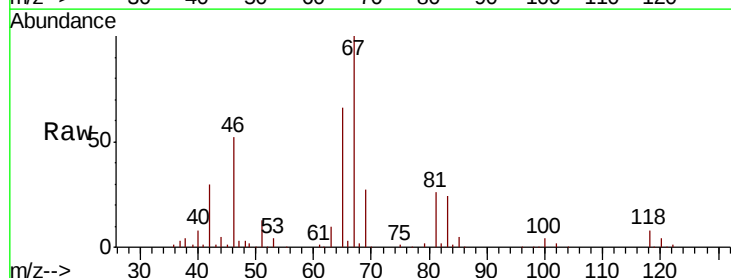


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

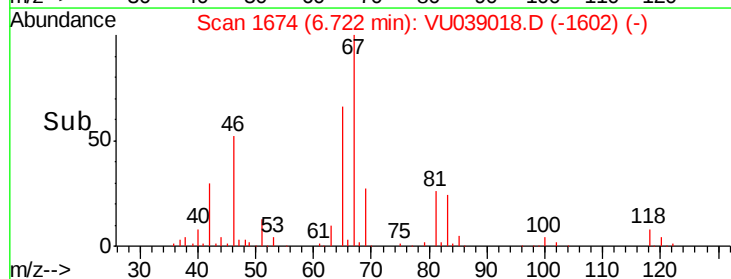
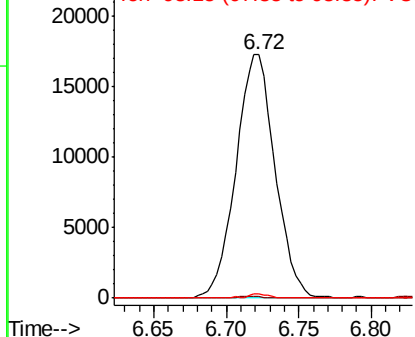


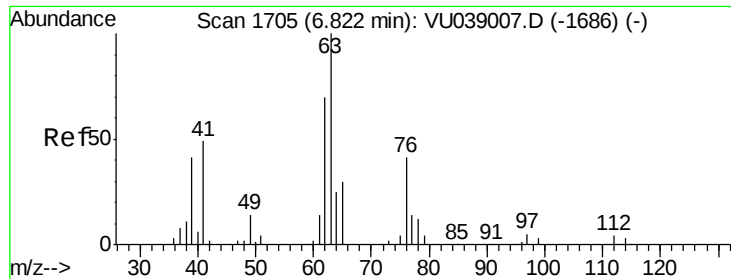
#35
 Methylcyclohexane
 Concen: 0.973 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU039018.D
 Acq: 22 Jun 2020 20:48

Tgt Ion: 83 Resp: 32324
 Ion Ratio Lower Upper
 83 100
 55 0.0 65.1 97.7#
 98 0.8 37.0 55.4#



Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0

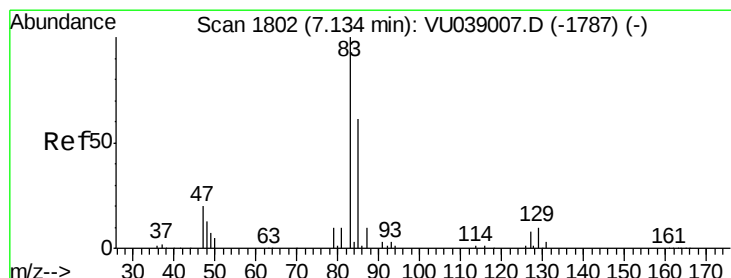
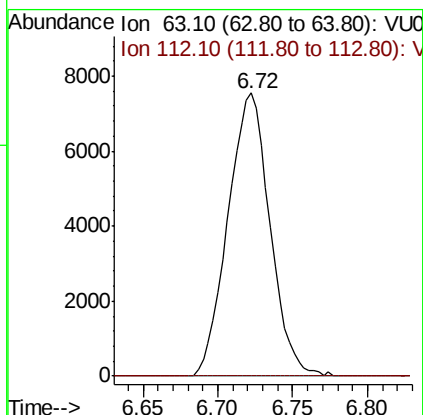
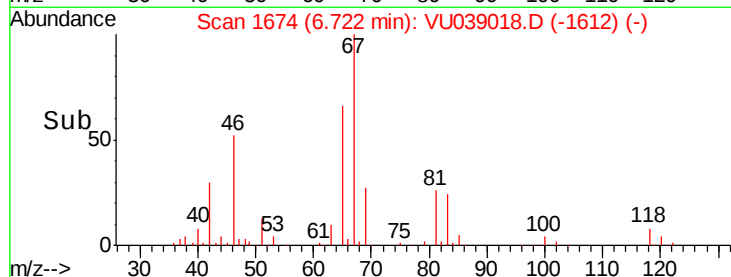
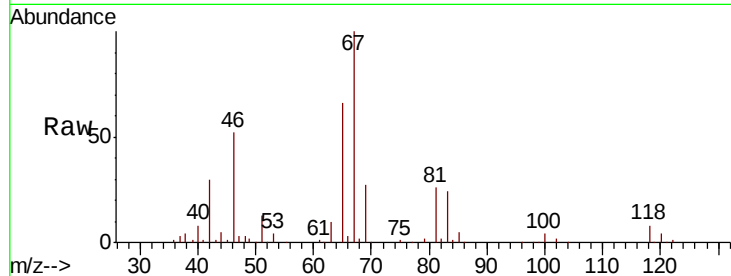




#37
 1,2-Dichloropropane
 Concen: 0.623 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.10 min
 Lab File: VU039018.D
 Acq: 22 Jun 2020 20:48

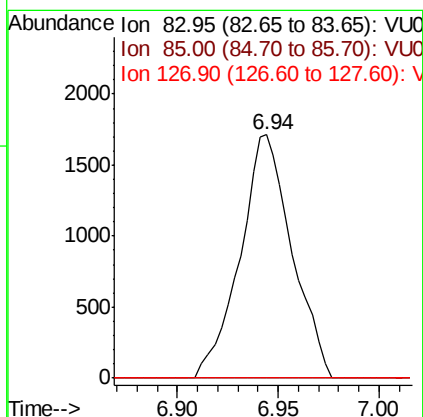
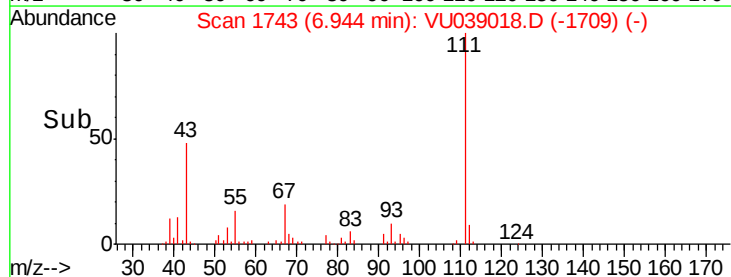
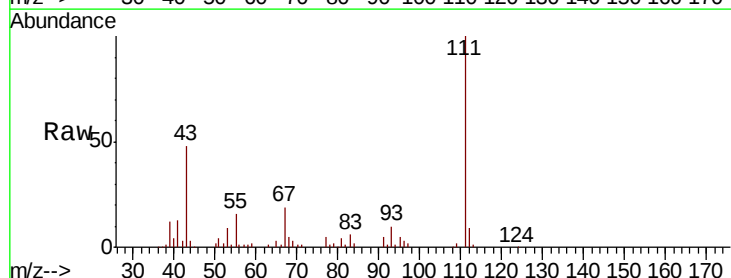
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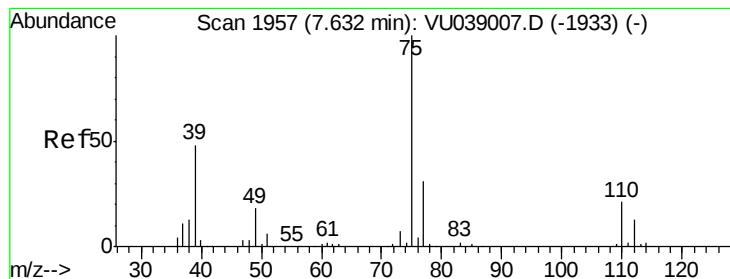
Tot Ion: 63 Resp: 14708
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#38
 Bromodichloromethane
 Concen: 0.105 ug/L
 RT: 6.94 min Scan# 1743
 Delta R.T. -0.19 min
 Lab File: VU039018.D
 Acq: 22 Jun 2020 20:48

Tgt Ion: 83 Resp: 3070
 Ion Ratio Lower Upper
 83 100
 85 0.0 43.6 81.0#
 127 0.0 6.1 9.1#



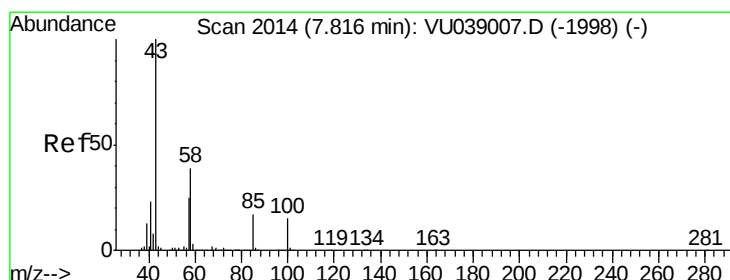
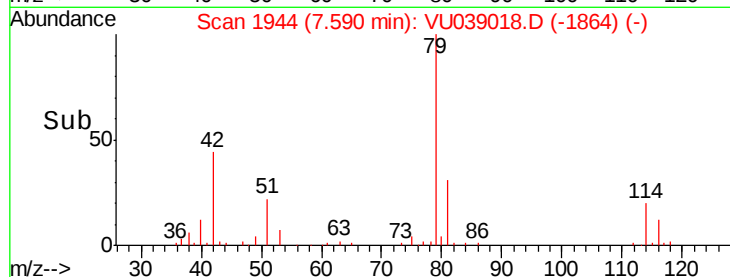
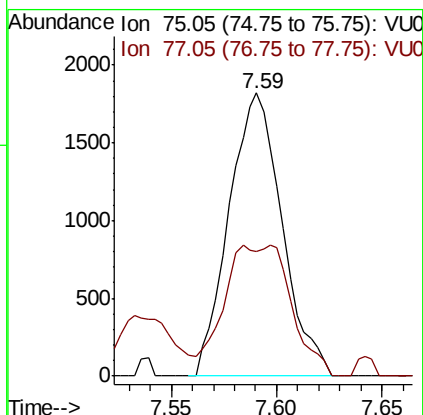
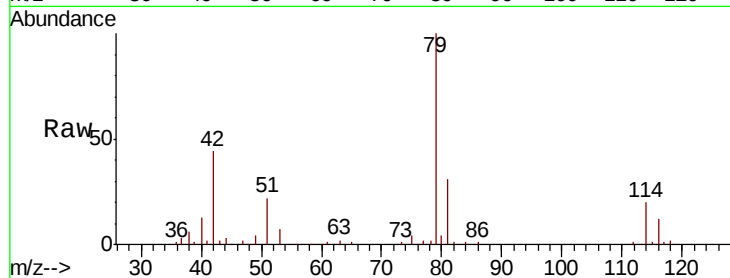


#39

cis-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU039018.D
 Acq: 22 Jun 2020 20:48

Instrument :
 MSVOA_U
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 BFXJ4

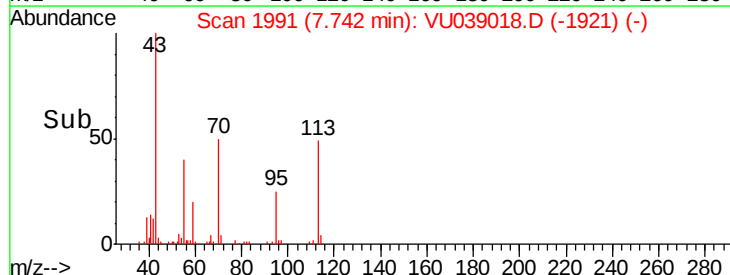
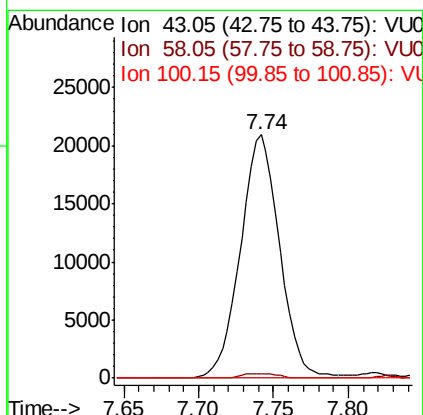
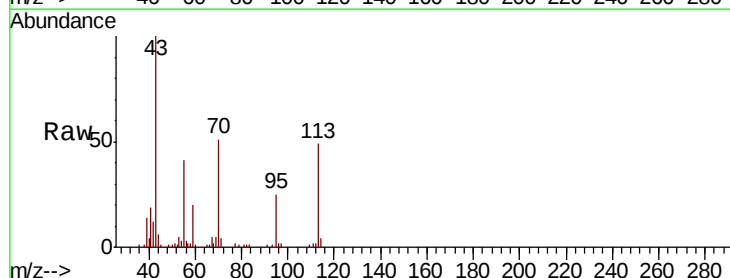
Tot Ion: 75 Resp: 3175
 Ion Ratio Lower Upper
 75 100
 77 44.1 22.0 41.0#

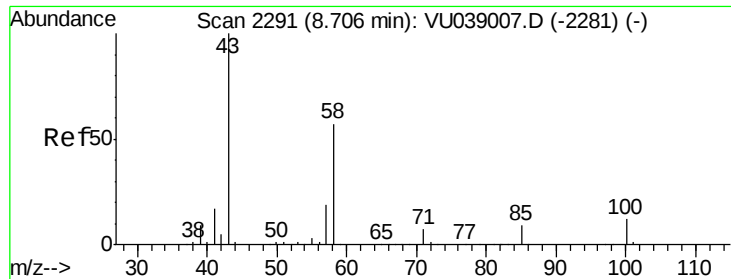


#40

4-Methyl-2-pentanone
 Concen: 2.210 ug/L
 RT: 7.74 min Scan# 1991
 Delta R.T. -0.07 min
 Lab File: VU039018.D
 Acq: 22 Jun 2020 20:48

Tgt Ion: 43 Resp: 38162
 Ion Ratio Lower Upper
 43 100
 58 1.7 31.4 47.0#
 100 0.0 11.6 17.4#

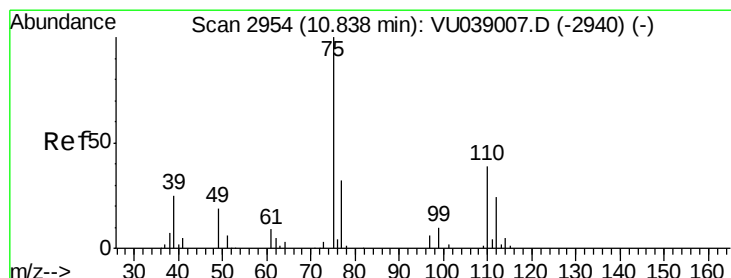
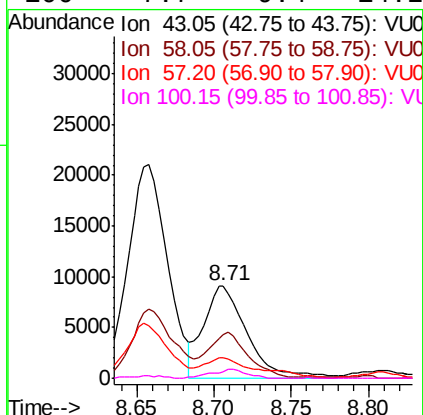
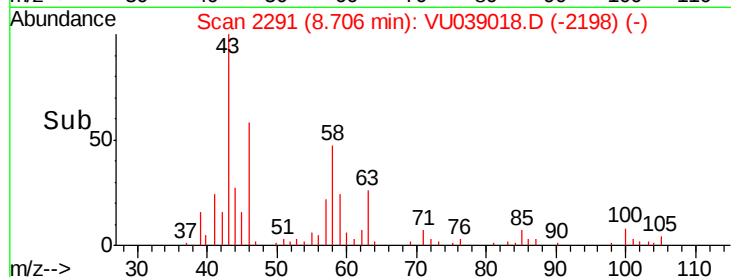
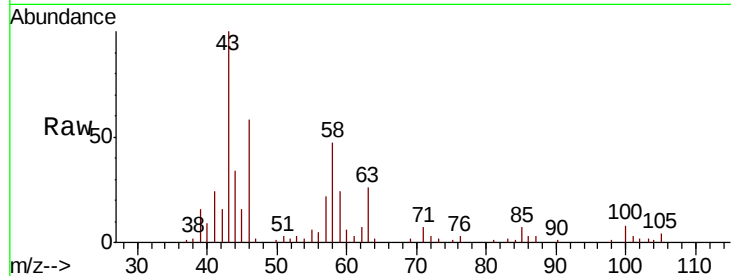




#48
2-Hexanone
Concen: 1.367 ug/L
RT: 8.71 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU039018.D
Acq: 22 Jun 2020 20:48

Instrument :
MSVOA_U
ClientSampleId :
BFXJ4

Tot Ion: 43 Resp: 17864
Ion Ratio Lower Upper
43 100
58 43.4 43.5 65.3#
57 12.7 15.0 22.4#
100 7.7 9.4 14.2#



#59
1,2,3-Trichloropropane
Concen: 0.988 ug/L
RT: 11.83 min Scan# 3261
Delta R.T. 0.99 min
Lab File: VU039018.D
Acq: 22 Jun 2020 20:48

Tgt Ion: 75 Resp: 17178
Ion Ratio Lower Upper
75 100
77 36.7 25.5 38.3

