

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU011520\
 Data File : VU036464.D
 Acq On : 15 Jan 2020 12:14
 Operator : JC/MD
 Sample : L1090-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ETOQ4

Quant Time: Jan 15 14:42:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM011420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jan 15 14:19:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	513531	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	477048	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	170351	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	130378	39.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.32%
7) Chloroethane-d5	1.93	69	130337	45.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.44%
11) 1,1-Dichloroethene-d2	2.59	63	214201	33.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.02%
21) 2-Butanone-d5	4.68	46	269970	94.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.31%
24) Chloroform-d	5.11	84	322523	48.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.32%
26) 1,2-Dichloroethane-d4	5.74	65	223578	50.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.48%
32) Benzene-d6	5.77	84	633994	50.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.64%
36) 1,2-Dichloropropane-d6	6.73	67	212729	52.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	104.86%
41) Toluene-d8	7.93	98	577632	48.95	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.90%
43) trans-1,3-Dichloropropene-	8.21	79	101231	46.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.62%
47) 2-Hexanone-d5	8.67	63	204535	98.37	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.37%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	310185	50.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.64%
64) 1,2-Dichlorobenzene-d4	12.22	152	166108	49.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

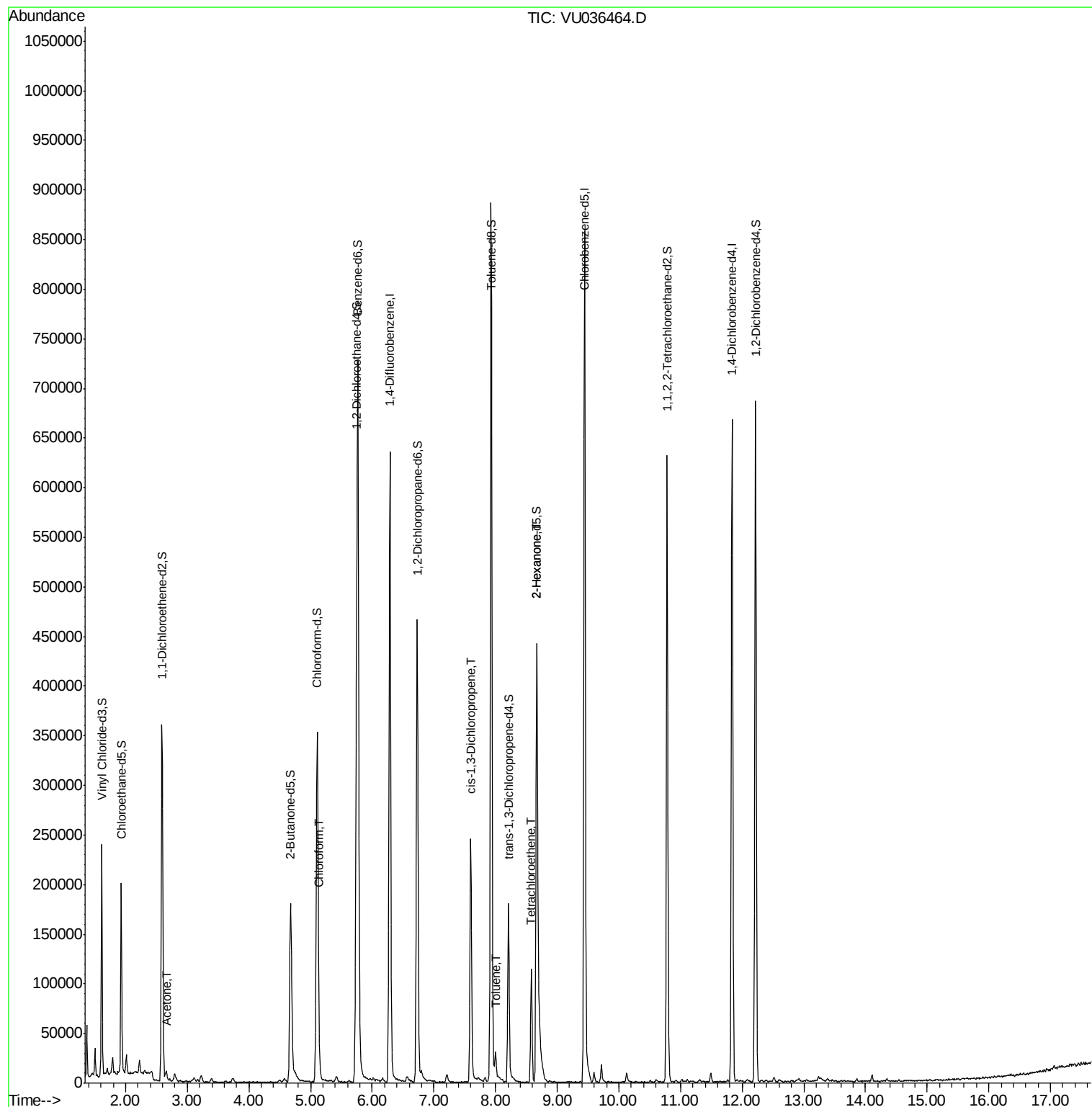
					Qvalue
13) Acetone	2.66	43	9958	3.214 ug/L	93
25) Chloroform	5.14	83	19736	2.946 ug/L	97
39) cis-1,3-Dichloropropene	7.60	75	7317	1.244 ug/L	84
42) Toluene	8.00	91	16247	1.091 ug/L	90
46) Tetrachloroethene	8.58	164	21828	8.767 ug/L	95
48) 2-Hexanone	8.67	43	20504	4.436 ug/L #	68

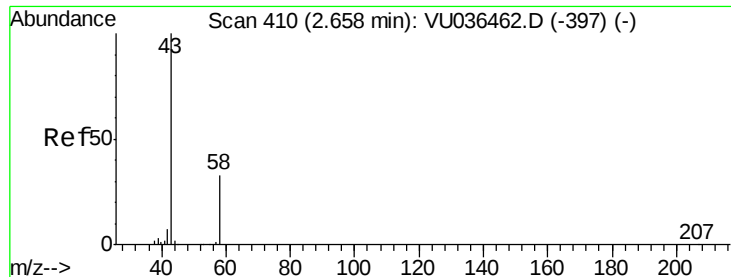
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.214 ug/L

RT: 2.66 min Scan# 411

Delta R.T. 0.00 min

Lab File: VU036464.D

Acq: 15 Jan 2020 12:14

Instrument :

MSVOA_U

ClientSampleId :

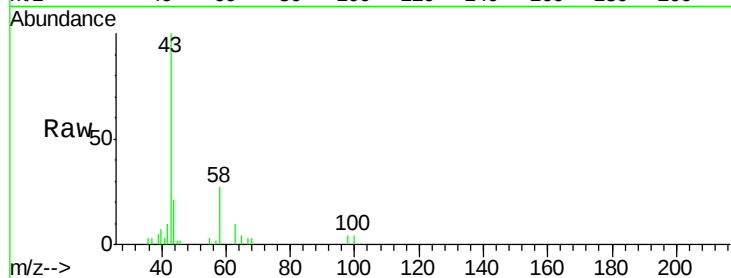
ETOQ4

Tgt Ion: 43 Resp: 9958

Ion Ratio Lower Upper

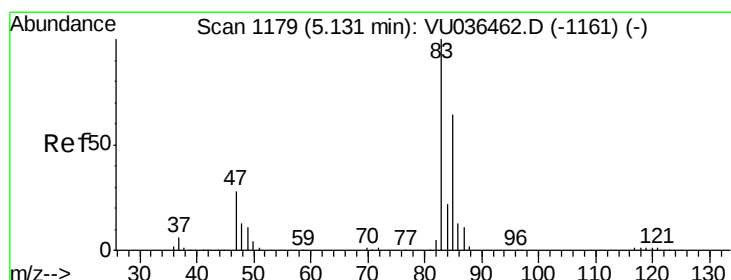
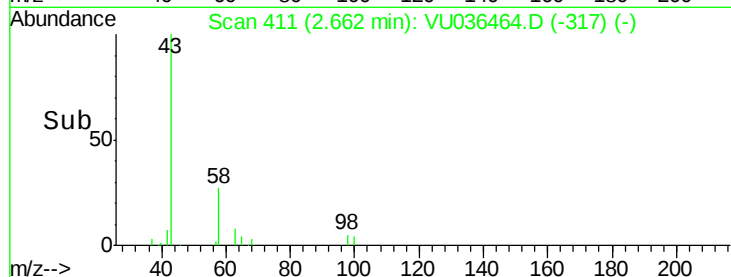
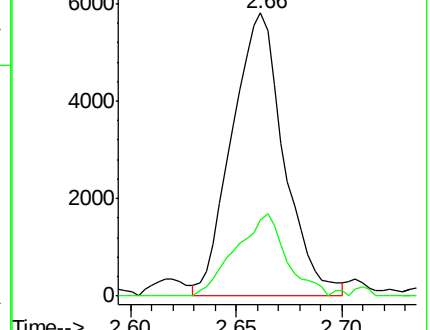
43 100

58 28.3 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VU036464.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VU036464.D (-397) (-)



#25

Chloroform

Concen: 2.946 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VU036464.D

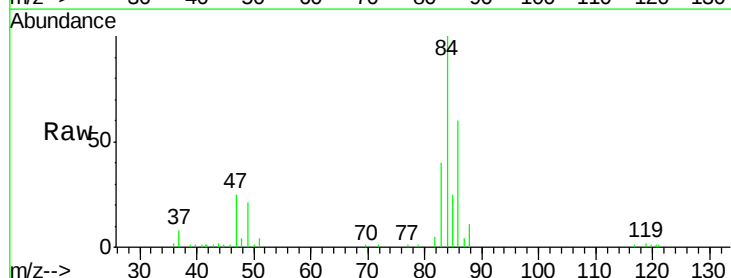
Acq: 15 Jan 2020 12:14

Tgt Ion: 83 Resp: 19736

Ion Ratio Lower Upper

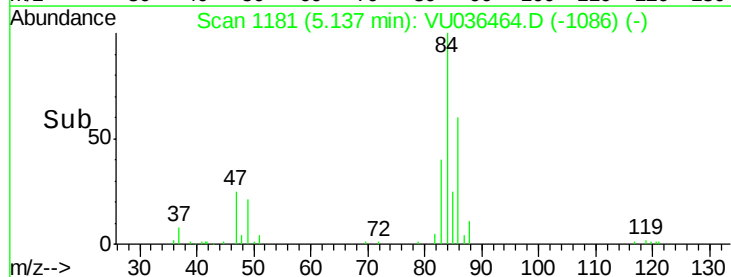
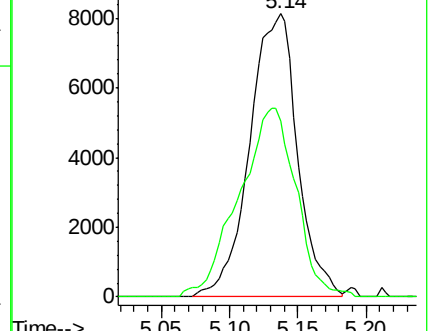
83 100

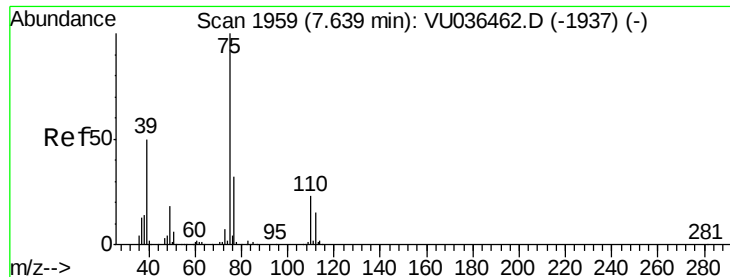
85 62.2 45.1 83.9



Abundance Ion 83.00 (82.70 to 83.70): VU036464.D (-1086) (-)

Ion 85.00 (84.70 to 85.70): VU036464.D (-1086) (-)

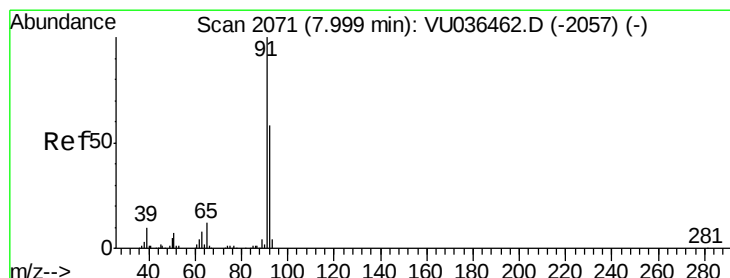
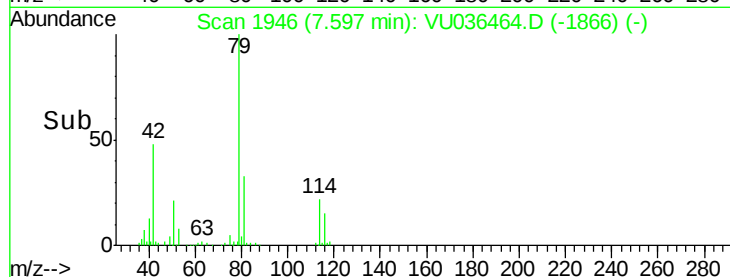
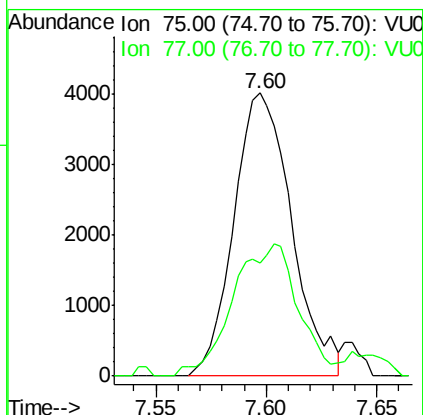
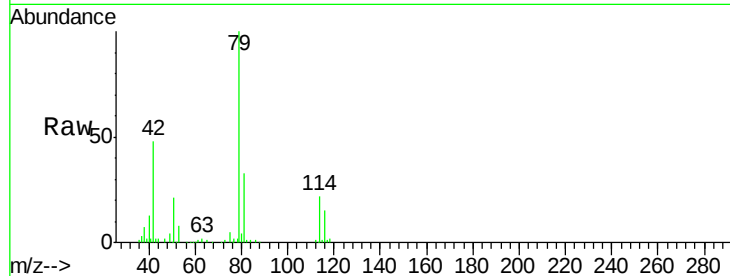




#39
 cis-1,3-Dichloropropene
 Concen: 1.244 ug/L
 RT: 7.60 min Scan# 1946
 Delta R.T. -0.04 min
 Lab File: VU036464.D
 Acq: 15 Jan 2020 12:14

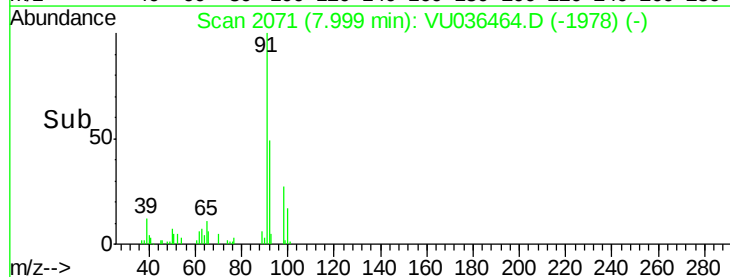
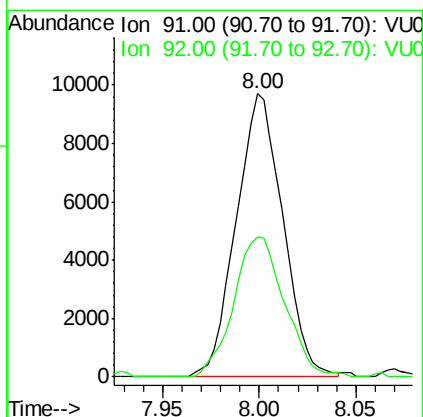
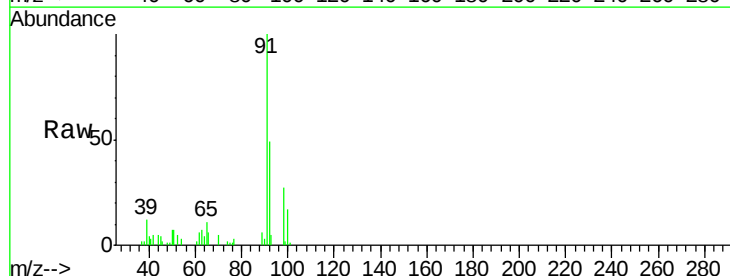
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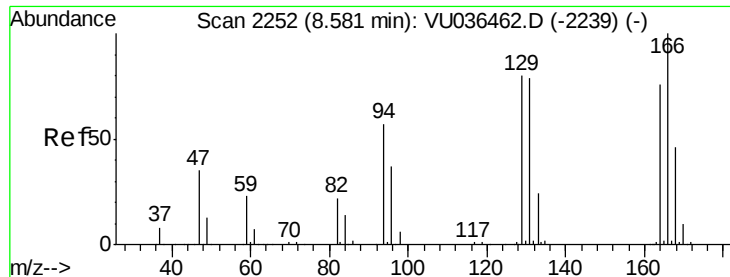
Tgt Ion: 75 Resp: 7317
 Ion Ratio Lower Upper
 75 100
 77 40.0 21.8 40.4



#42
 Toluene
 Concen: 1.091 ug/L
 RT: 8.00 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VU036464.D
 Acq: 15 Jan 2020 12:14

Tgt Ion: 91 Resp: 16247
 Ion Ratio Lower Upper
 91 100
 92 49.4 39.5 73.3





#46

Tetrachloroethene

Concen: 8.767 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036464.D

Acq: 15 Jan 2020 12:14

Instrument :

MSVOA_U

ClientSampleId :

ETOQ4

Tgt Ion:164 Resp: 21828

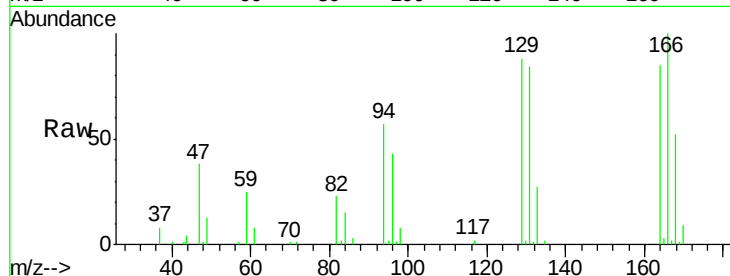
Ion Ratio Lower Upper

164 100

129 103.0 68.1 126.5

131 99.1 66.6 123.6

166 117.6 86.5 160.7

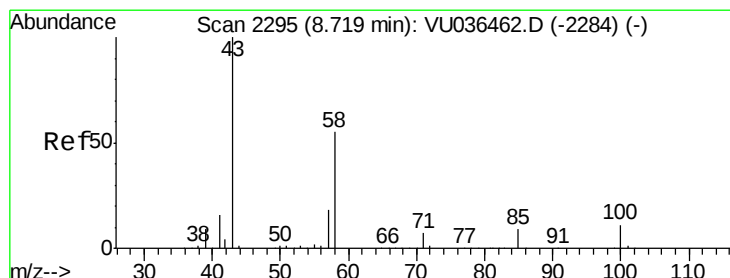
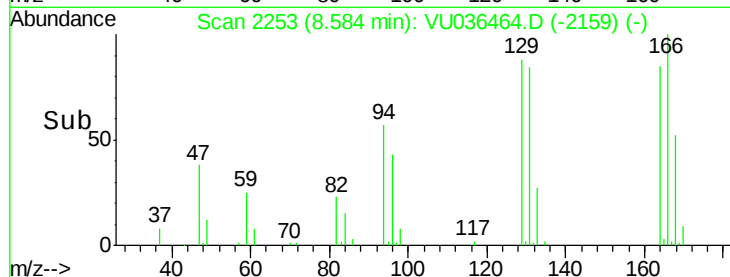
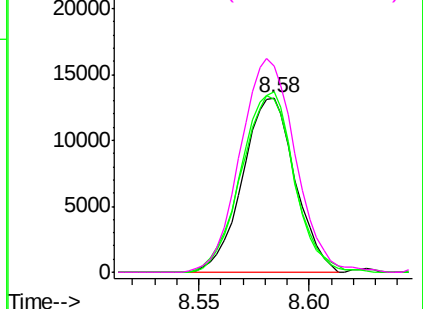


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 4.436 ug/L

RT: 8.67 min Scan# 2280

Delta R.T. -0.05 min

Lab File: VU036464.D

Acq: 15 Jan 2020 12:14

Tgt Ion: 43 Resp: 20504

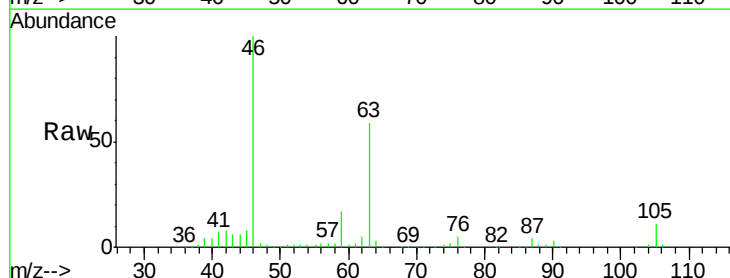
Ion Ratio Lower Upper

43 100

58 26.2 43.7 65.5#

57 23.3 14.7 22.1#

100 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

