

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU092920\
 Data File : VU040382.D
 Acq On : 30 Sep 2020 00:44
 Operator : SY/MD
 Sample : L4186-14
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F4

Quant Time: Sep 30 02:57:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR092920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Sep 30 02:48:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	121805	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124764	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53889	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	30602	5.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.60%
7) Chloroethane-d5	1.92	69	28672	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.60%
11) 1,1-Dichloroethene-d2	2.58	63	47681	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.65	46	160981	53.74	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.48%
24) Chloroform-d	5.08	84	76401	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.40%
26) 1,2-Dichloroethane-d4	5.72	65	47205	5.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.00%
32) Benzene-d6	5.74	84	131738	5.25	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.00%
36) 1,2-Dichloropropane-d6	6.70	67	48007	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.91	98	102079	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	8.19	79	17751	4.74	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.80%
46) 2-Hexanone-d5	8.64	63	114330	51.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47375	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	48054	5.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.60%

Target Compounds

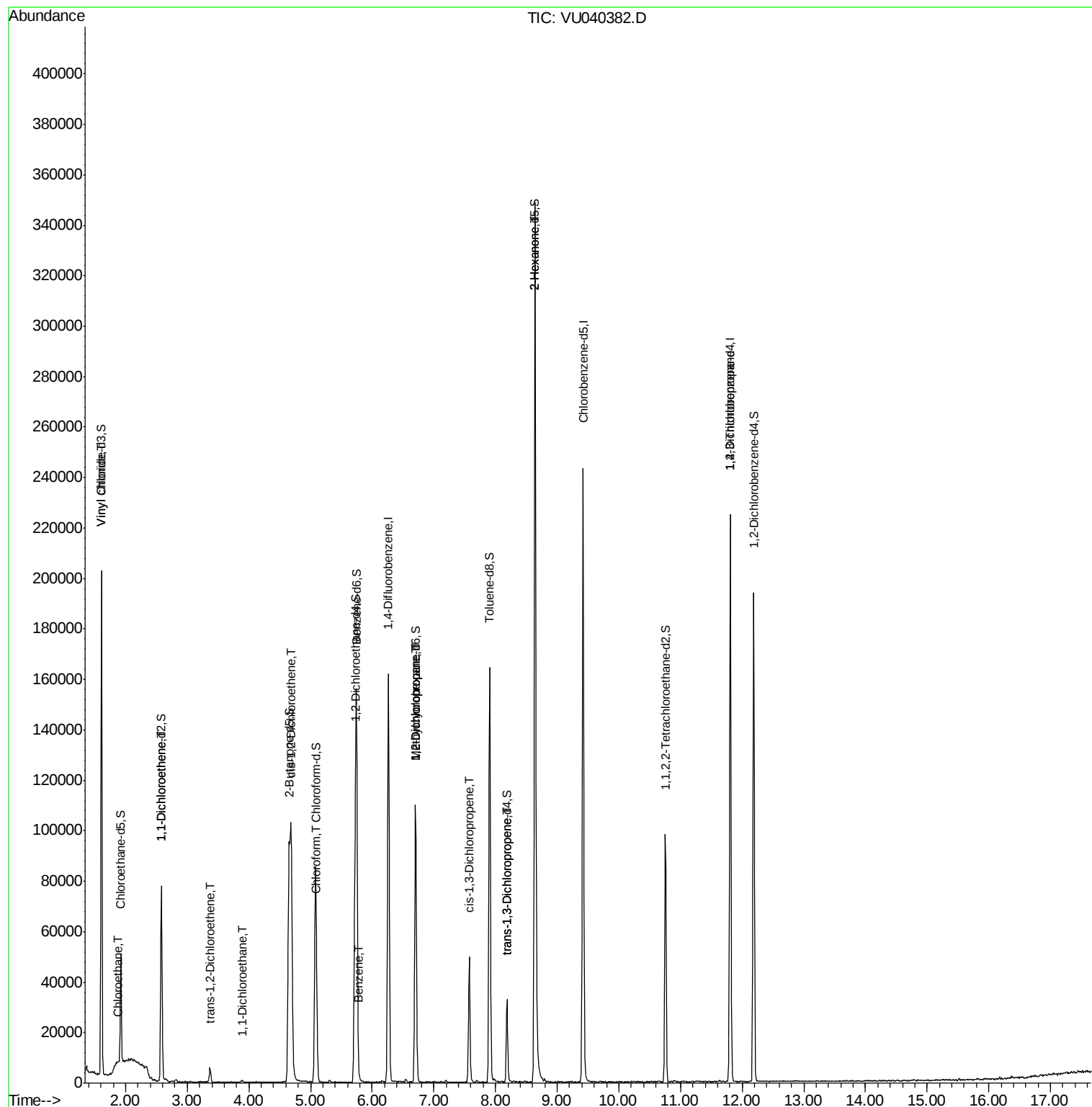
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.61	62	106835	9.074	ug/L	97
8) Chloroethane	1.88	64	1060	0.152	ug/L #	53
12) 1,1-Dichloroethene	2.58	96	529	0.057	ug/L #	1
18) trans-1,2-Dichloroethene	3.37	96	2238	0.233	ug/L #	77
19) 1,1-Dichloroethane	3.89	63	1001	0.051	ug/L #	81
22) cis-1,2-Dichloroethene	4.69	96	35845	3.378	ug/L	97
25) Chloroform	5.11	83	2015	0.100	ug/L	96
33) Benzene	5.78	78	1598	0.038	ug/L	100
35) Methylcyclohexane	6.70	83	11342	0.696	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	5691	0.489	ug/L #	88
39) cis-1,3-Dichloropropene	7.57	75	1188	0.076	ug/L #	72
44) trans-1,3-Dichloropropene	8.19	75	890	0.062	ug/L #	62
48) 2-Hexanone	8.64	43	17780	2.645	ug/L #	68
59) 1,2,3-Trichloropropane	11.81	75	7592	0.899	ug/L	92

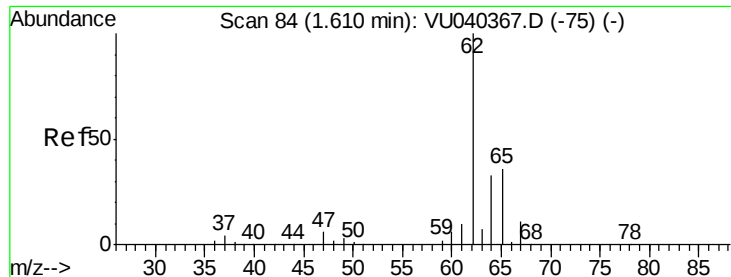
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 30 02:48:48 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.074 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040382.D

Acq: 30 Sep 2020 00:44

Instrument :

MSVOA_U

ClientSampleId :

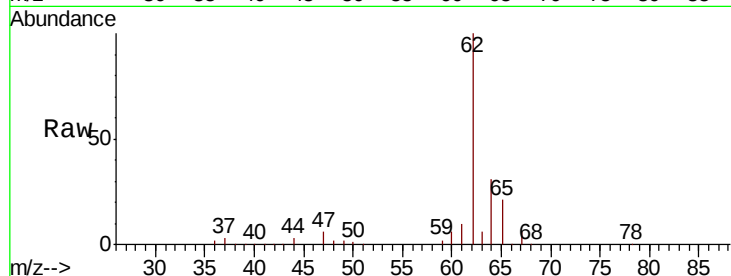
BG0F4

Tot Ion: 62 Resp: 106835

Ion Ratio Lower Upper

62 100

64 31.4 23.0 42.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

100000

80000

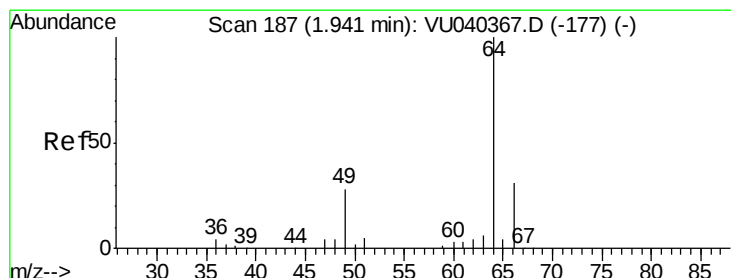
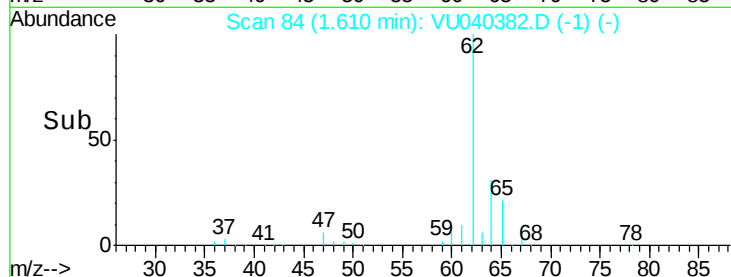
60000

40000

20000

0

Time--> 1.55 1.60 1.65



#8

Chloroethane

Concen: 0.152 ug/L

RT: 1.88 min Scan# 167

Delta R.T. -0.06 min

Lab File: VU040382.D

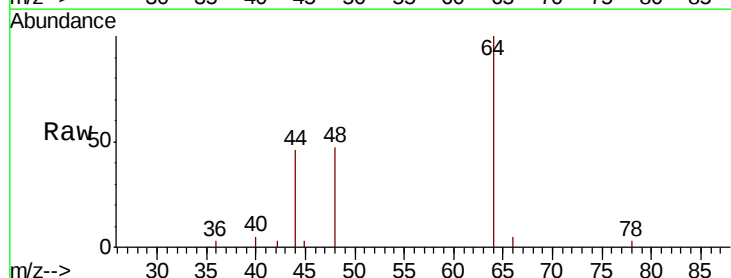
Acq: 30 Sep 2020 00:44

Tgt Ion: 64 Resp: 1060

Ion Ratio Lower Upper

64 100

66 4.9 21.3 39.6#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0

1.88

4000

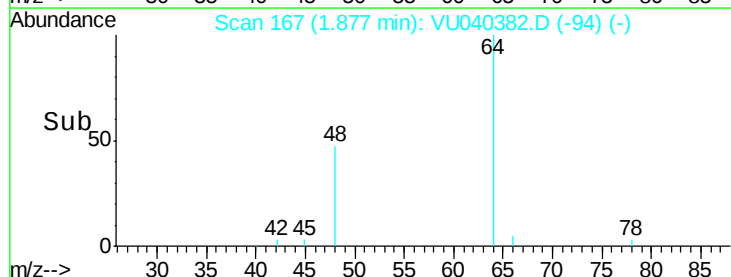
3000

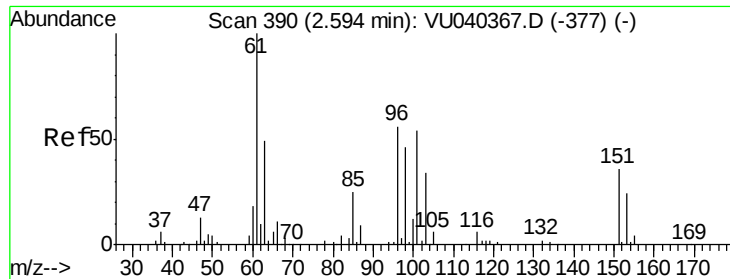
2000

1000

0

Time--> 1.86 1.88





#12

1,1-Dichloroethene

Concen: 0.057 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040382.D

Acq: 30 Sep 2020 00:44

Instrument :

MSVOA_U

ClientSampleId :

BG0F4

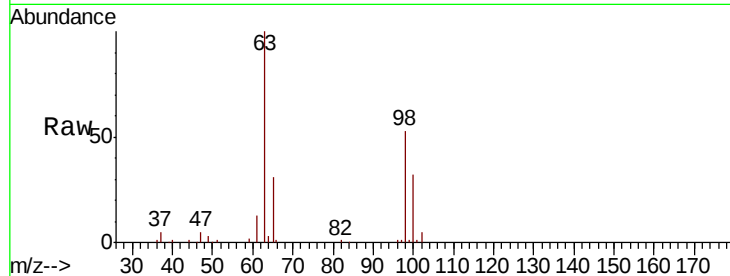
Tot Ion: 96 Resp: 529

Ion Ratio Lower Upper

96 100

61 1282.8 128.6 238.8#

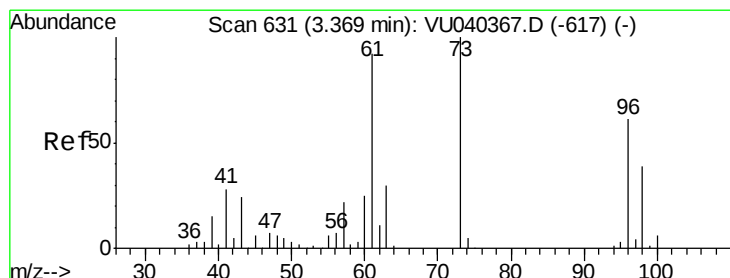
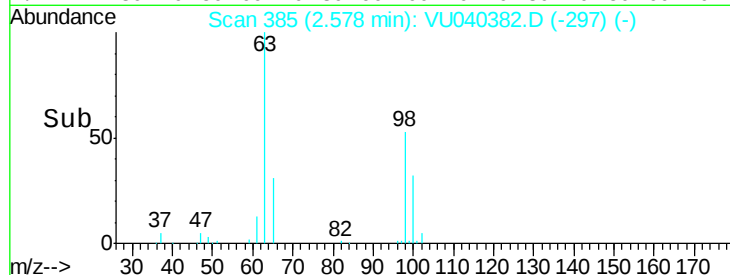
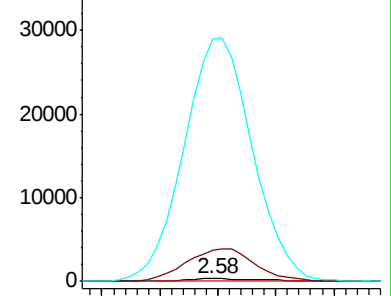
63 9972.4 67.8 126.0#



Abundance Ion 96.00 (95.70 to 96.70): VU040382.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VU040382.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VU040382.D (-297) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.233 ug/L

RT: 3.37 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU040382.D

Acq: 30 Sep 2020 00:44

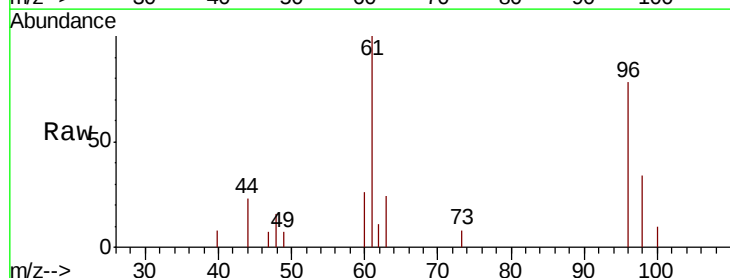
Tgt Ion: 96 Resp: 2238

Ion Ratio Lower Upper

96 100

61 128.8 109.3 203.1

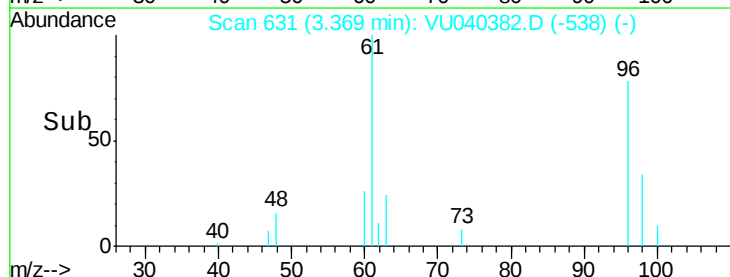
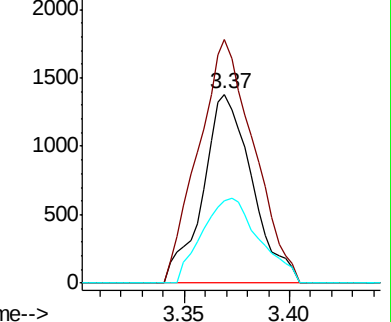
98 43.4 45.8 85.0#

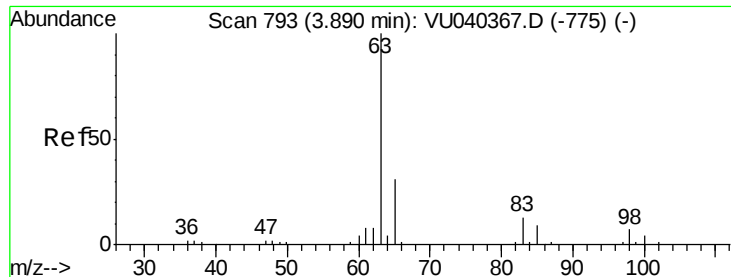


Abundance Ion 96.00 (95.70 to 96.70): VU040382.D (-538) (-)

Ion 61.05 (60.75 to 61.75): VU040382.D (-538) (-)

Ion 97.95 (97.65 to 98.65): VU040382.D (-538) (-)

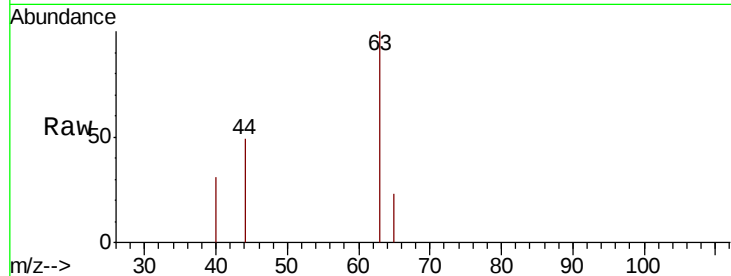




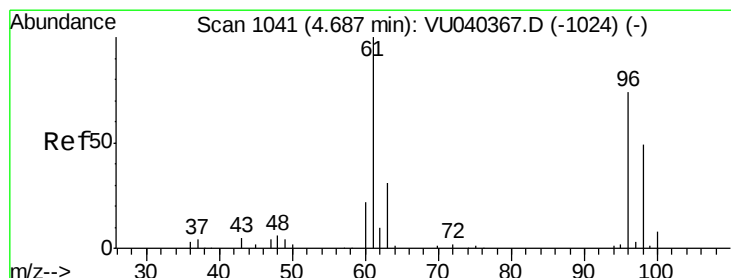
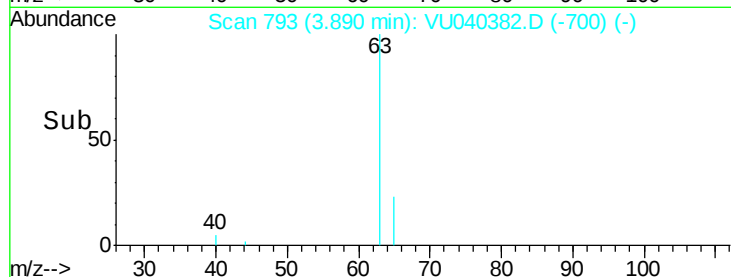
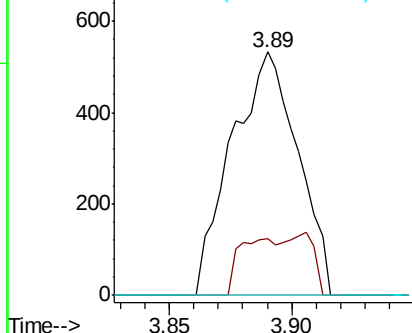
#19
 1,1-Dichloroethane
 Concen: 0.051 ug/L
 RT: 3.89 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VU040382.D
 Acq: 30 Sep 2020 00:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BG0F4

Tot Ion: 63 Resp: 1001
 Ion Ratio Lower Upper
 63 100
 65 23.5 21.7 40.3
 83 0.0 9.1 16.9#

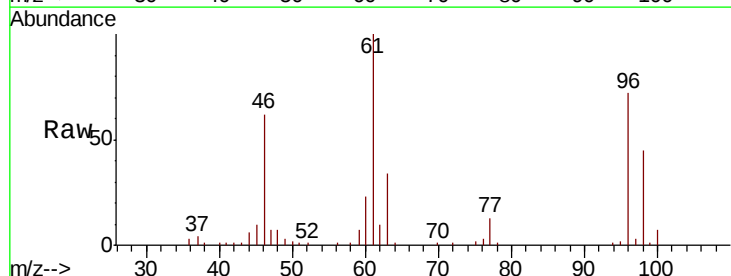


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

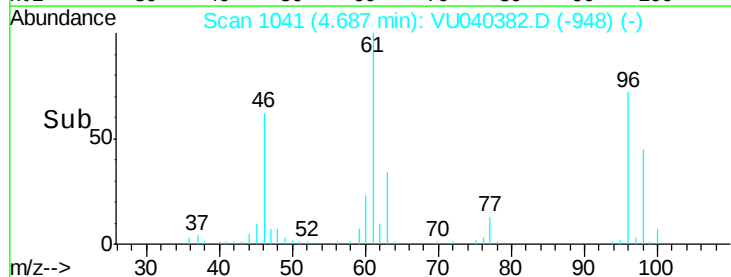
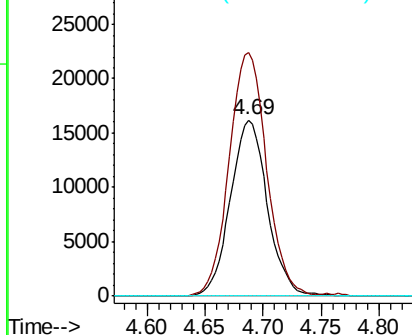


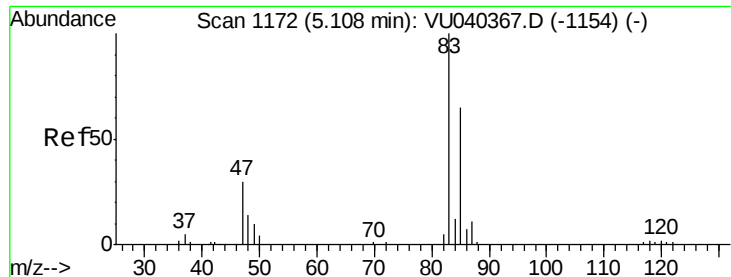
#22
 cis-1,2-Dichloroethene
 Concen: 3.378 ug/L
 RT: 4.69 min Scan# 1041
 Delta R.T. 0.00 min
 Lab File: VU040382.D
 Acq: 30 Sep 2020 00:44

Tgt Ion: 96 Resp: 35845
 Ion Ratio Lower Upper
 96 100
 61 138.5 99.3 184.5
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

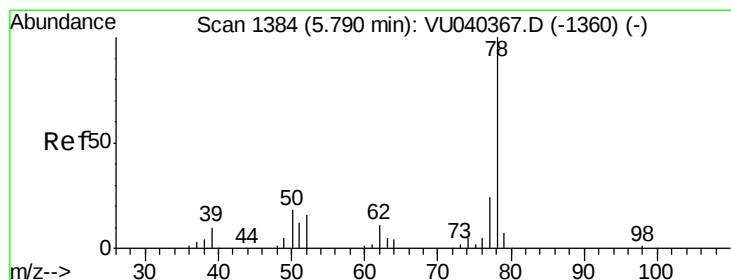
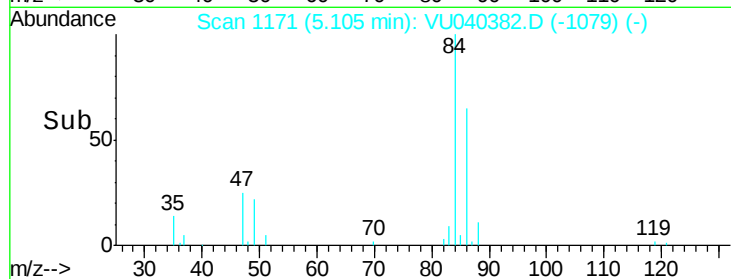
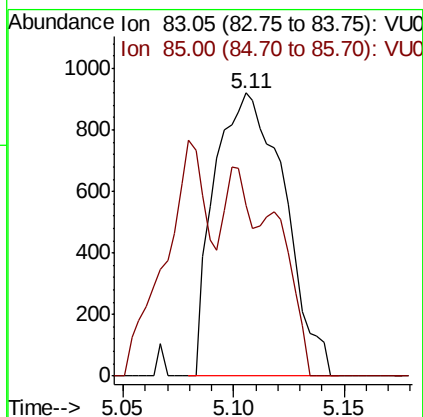
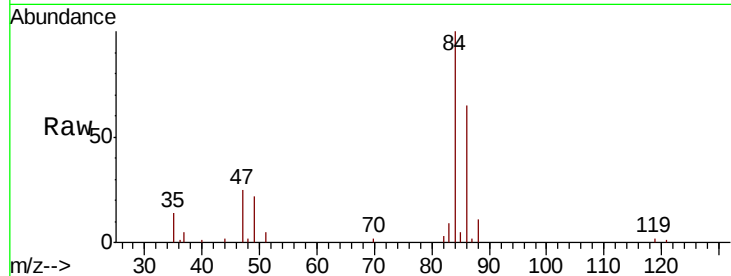




#25
Chloroform
Concen: 0.100 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. -0.00 min
Lab File: VU040382.D
Acq: 30 Sep 2020 00:44

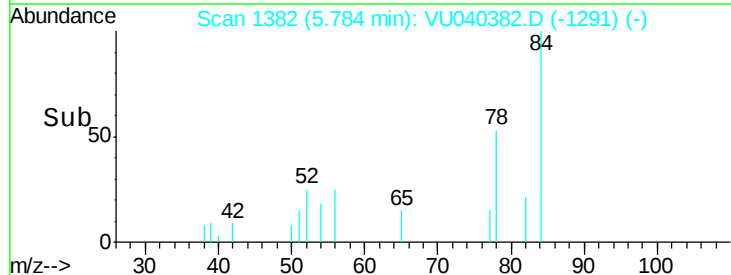
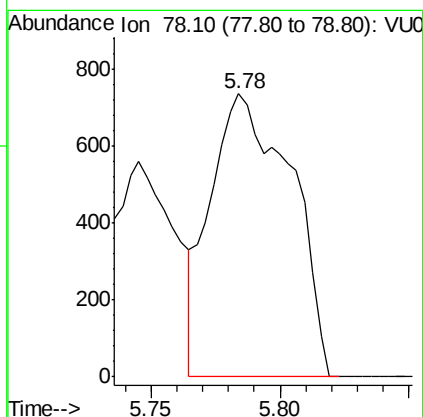
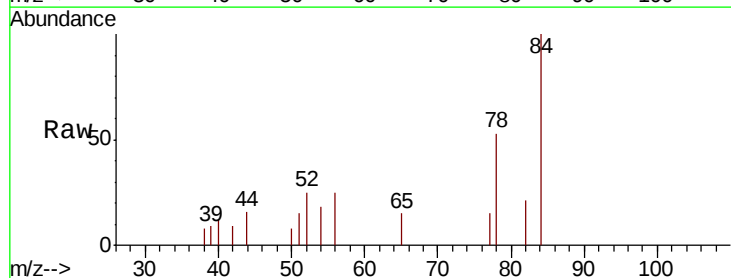
Instrument :
MSVOA_U
ClientSampled :
BG0F4

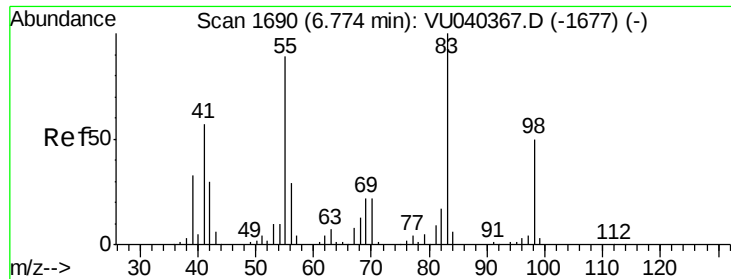
Tot Ion: 83 Resp: 2015
Ion Ratio Lower Upper
83 100
85 60.3 44.6 82.8



#33
Benzene
Concen: 0.038 ug/L
RT: 5.78 min Scan# 1382
Delta R.T. -0.01 min
Lab File: VU040382.D
Acq: 30 Sep 2020 00:44

Tgt Ion: 78 Resp: 1598

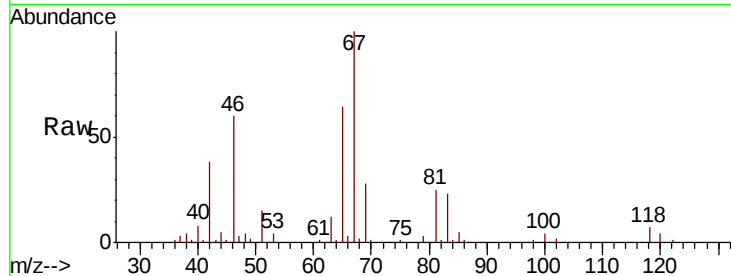




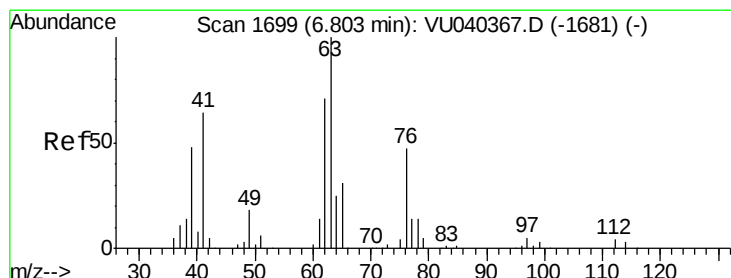
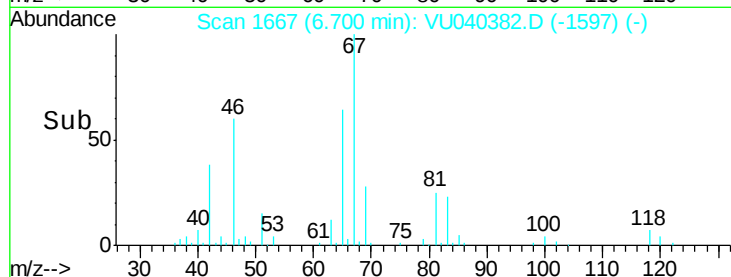
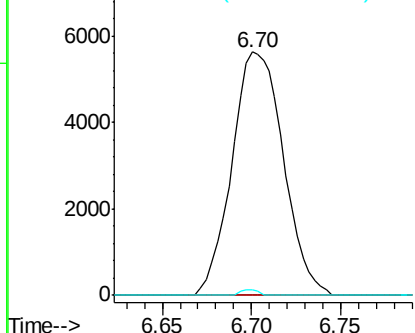
#35
Methvlcvclohexane
Concen: 0.696 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040382.D
Acq: 30 Sep 2020 00:44

Instrument :
MSVOA_U
ClientSampleId :
BG0F4

Tot Ion: 83 Resp: 11342
Ion Ratio Lower Upper
83 100
55 0.0 71.4 107.2#
98 0.8 38.5 57.7#

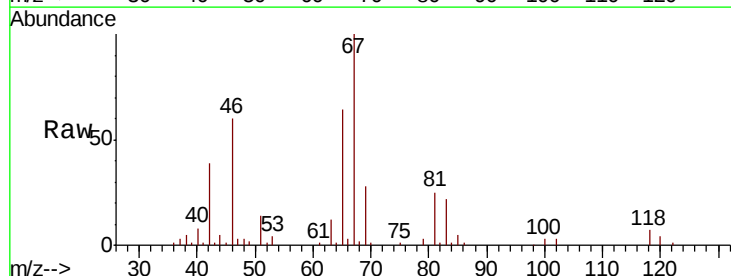


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

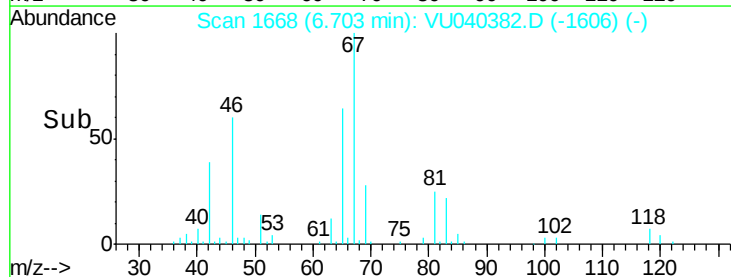
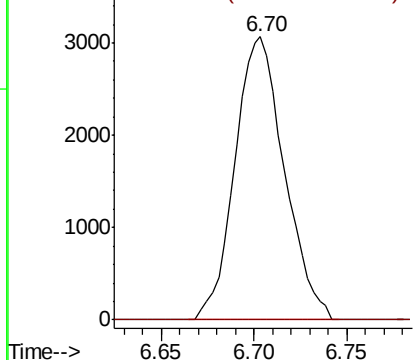


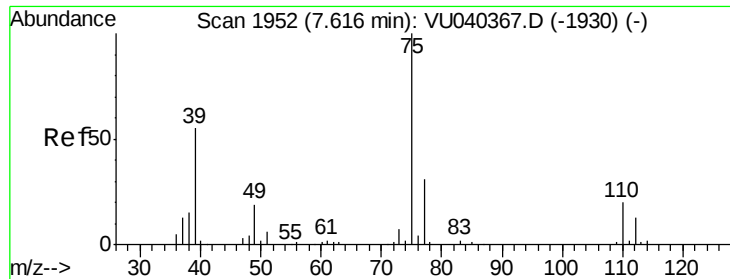
#37
1,2-Dichloropropane
Concen: 0.489 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040382.D
Acq: 30 Sep 2020 00:44

Tgt Ion: 63 Resp: 5691
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V

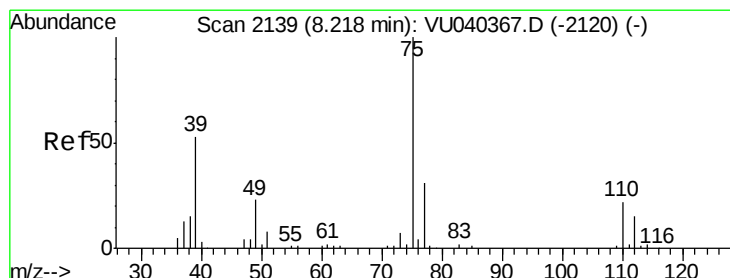
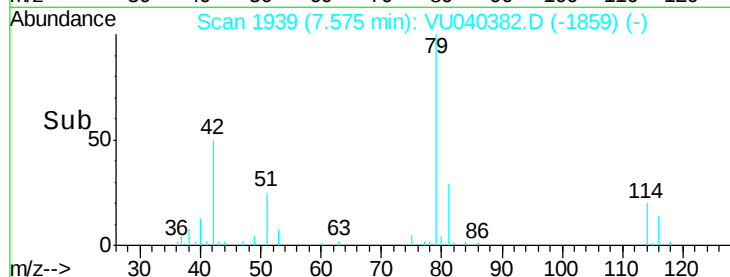
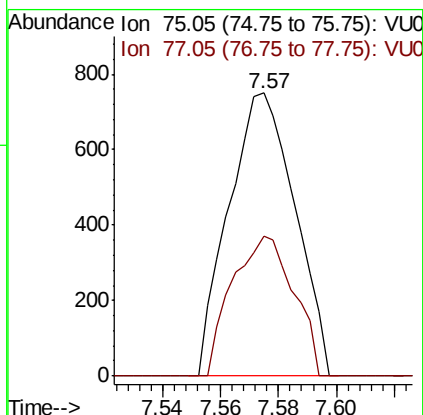
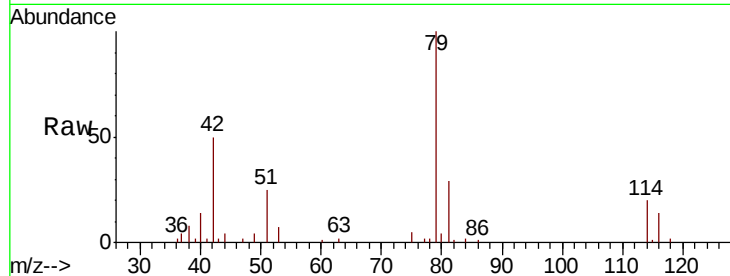




#39
 cis-1,3-Dichloropropene
 Concen: 0.076 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040382.D
 Acq: 30 Sep 2020 00:44

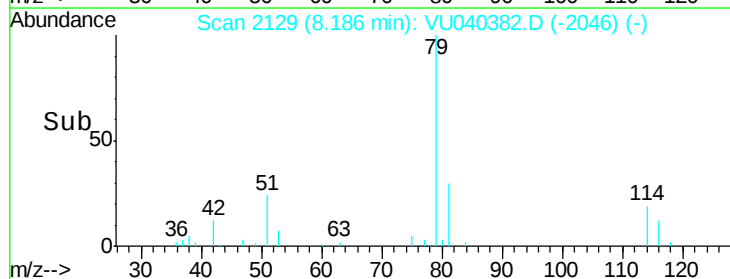
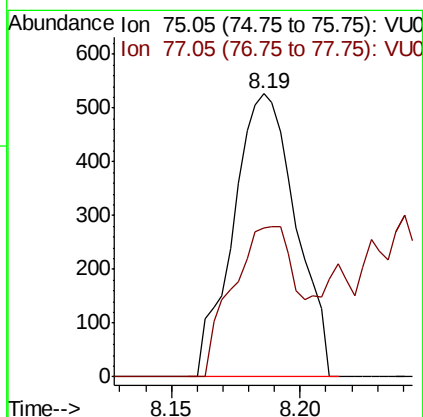
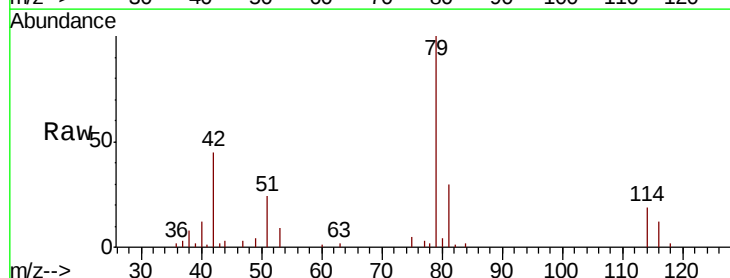
Instrument :
 MSVOA_U
 ClientSampled :
 BG0F4

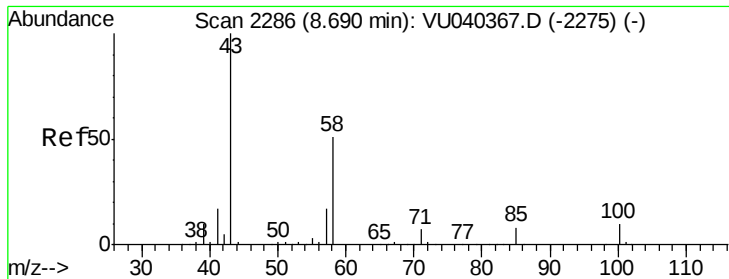
Tot Ion: 75 Resp: 1188
 Ion Ratio Lower Upper
 75 100
 77 49.6 23.5 43.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.062 ug/L
 RT: 8.19 min Scan# 2129
 Delta R.T. -0.03 min
 Lab File: VU040382.D
 Acq: 30 Sep 2020 00:44

Tgt Ion: 75 Resp: 890
 Ion Ratio Lower Upper
 75 100
 77 52.8 22.3 41.3#

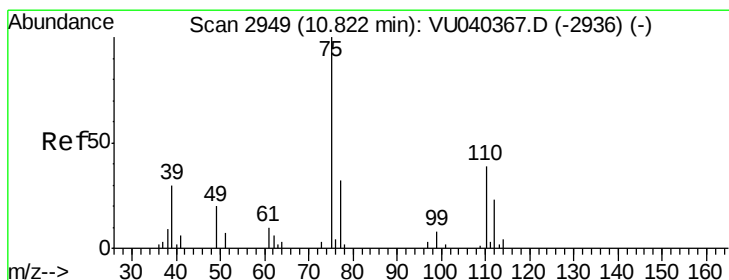
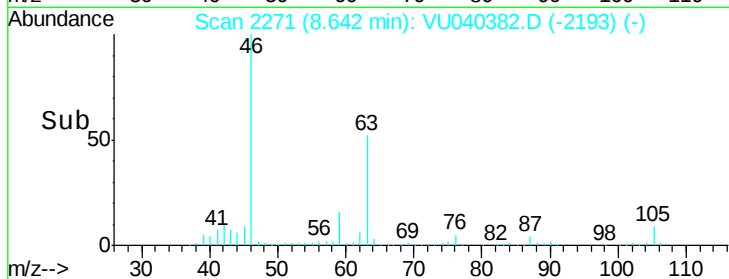
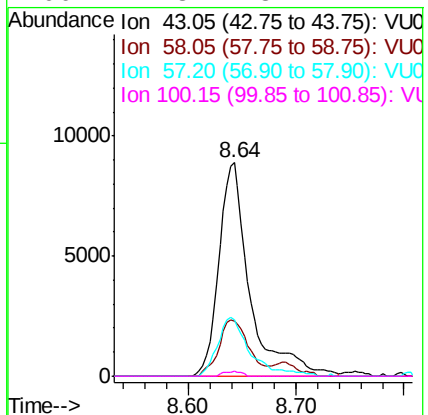
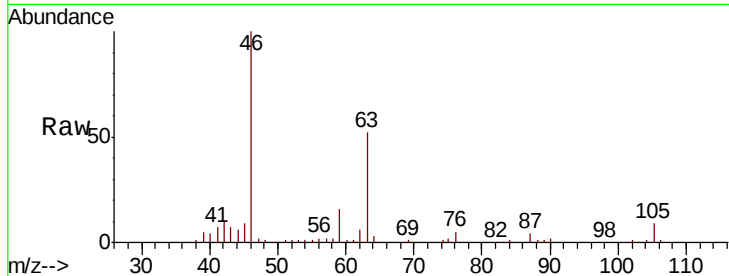




#48
2-Hexanone
Concen: 2.645 ug/L
RT: 8.64 min Scan# 2271
Delta R.T. -0.05 min
Lab File: VU040382.D
Acq: 30 Sep 2020 00:44

Instrument :
MSVOA_U
ClientSampled :
BG0F4

Tot Ion: 43 Resp: 17780
Ion Ratio Lower Upper
43 100
58 26.0 41.0 61.4#
57 29.1 14.6 22.0#
100 1.3 8.2 12.4#



#59
1,2,3-Trichloropropane
Concen: 0.899 ug/L
RT: 11.81 min Scan# 3255
Delta R.T. 0.98 min
Lab File: VU040382.D
Acq: 30 Sep 2020 00:44

Tgt Ion: 75 Resp: 7592
Ion Ratio Lower Upper
75 100
77 36.7 25.7 38.5

