

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040844.D
 Acq On : 20 Oct 2020 13:41
 Operator : SY/MD
 Sample : L4354-05
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Oct 20 23:57:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 20 23:49:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	113663	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	122090	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51956	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	43761	4.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.00%
7) Chloroethane-d5	1.92	69	36963	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.58	63	66619	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.65	46	167506	55.58	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.16%
24) Chloroform-d	5.08	84	85307	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.72	65	53268	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.74	84	156333	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.70	67	54540	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.91	98	126283	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.60%
43) trans-1,3-Dichloropropene-	8.19	79	20842	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.64	63	117465	49.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.44%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48099	4.90	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	52185	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

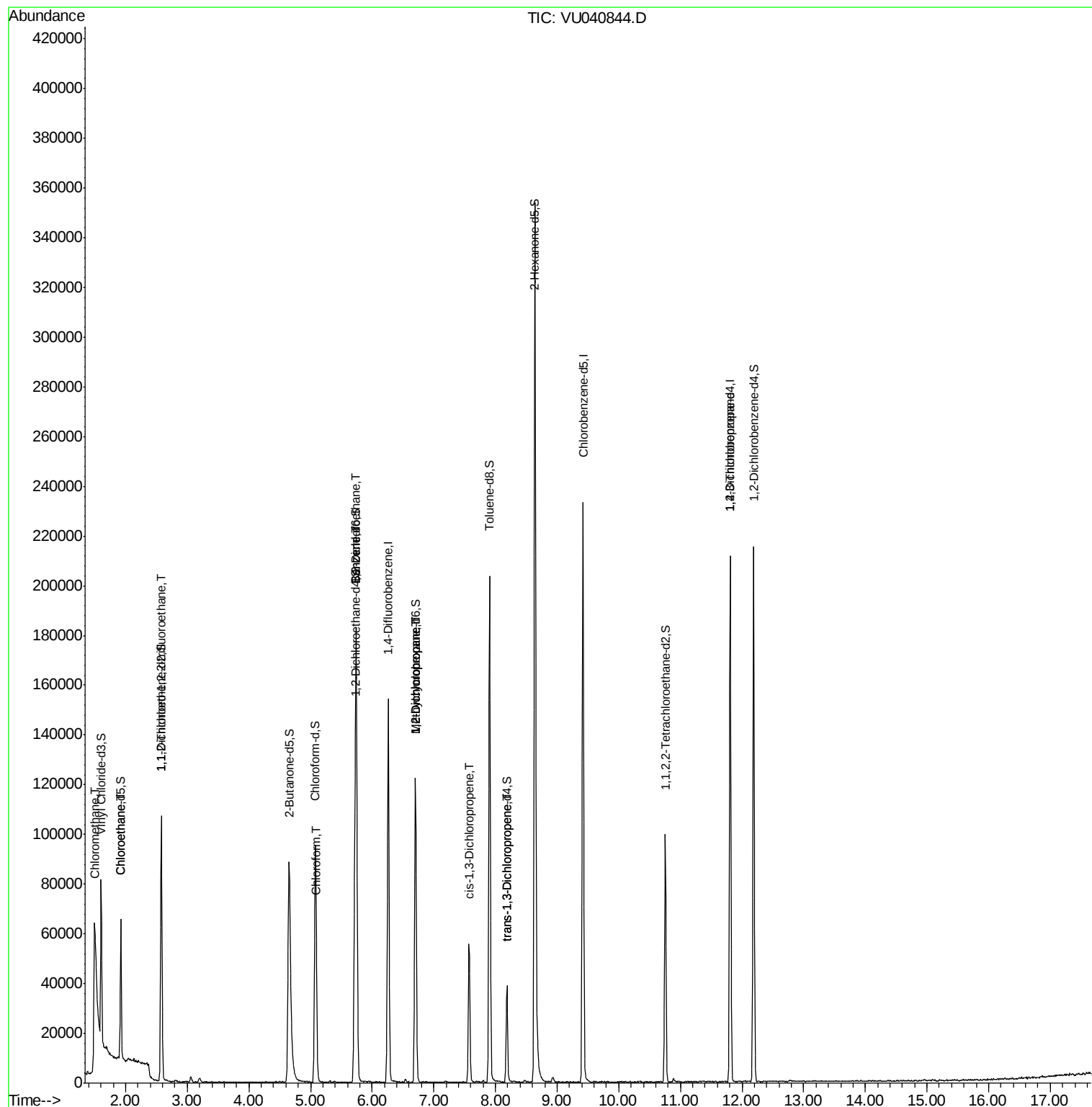
					Ovalue
3) Chloromethane	1.49	50	1149	0.119 ug/L #	43
8) Chloroethane	1.93	64	1344	0.208 ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	490	0.052 ug/L #	20
25) Chloroform	5.11	83	2037	0.114 ug/L	86
27) 1,2-Dichloroethane	5.74	62	960	0.076 ug/L #	77
33) Benzene	5.74	78	1288	0.033 ug/L	100
35) Methylcyclohexane	6.70	83	13089	0.908 ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6447	0.590 ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1592	0.107 ug/L #	82
44) trans-1,3-Dichloropropene	8.18	75	1073	0.078 ug/L	95
59) 1,2,3-Trichloropropane	11.81	75	6991	0.871 ug/L	93

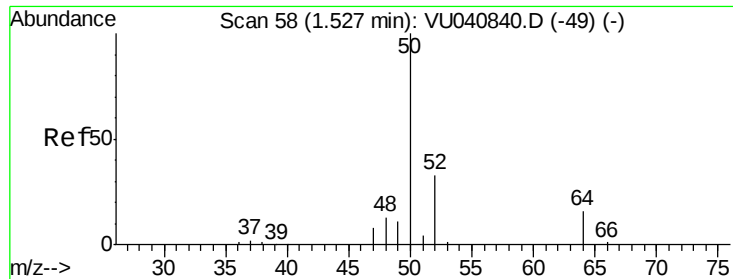
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.119 ug/L

RT: 1.49 min Scan# 48

Delta R.T. -0.03 min

Lab File: VU040844.D

Acq: 20 Oct 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

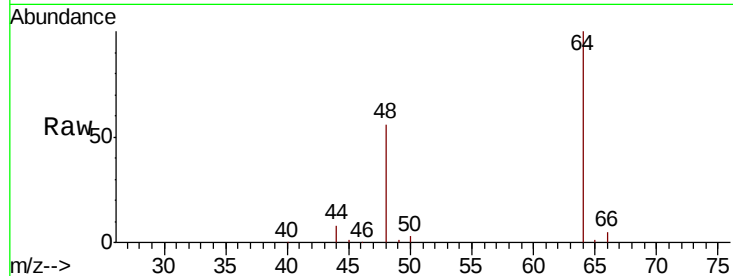
VHBLK01

Tot Ion: 50 Resp: 1149

Ion Ratio Lower Upper

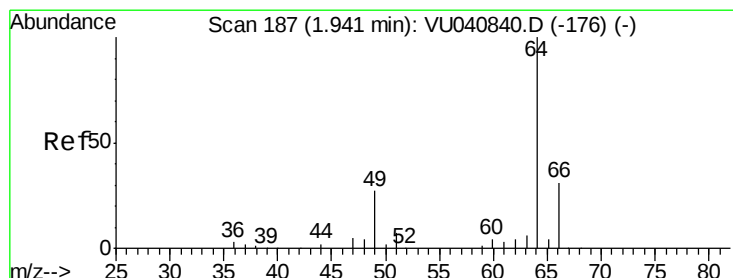
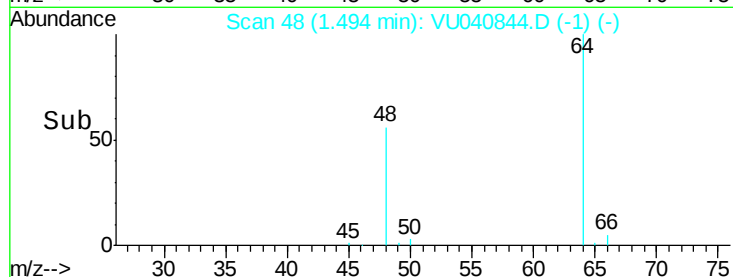
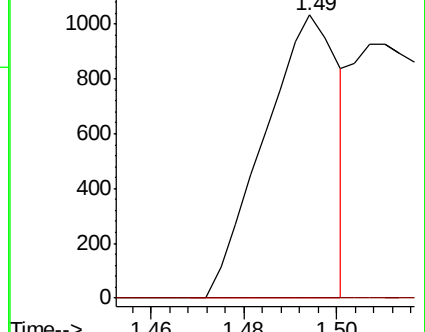
50 100

52 0.0 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU040844.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040844.D (-49) (-)



#8

Chloroethane

Concen: 0.208 ug/L

RT: 1.93 min Scan# 182

Delta R.T. -0.02 min

Lab File: VU040844.D

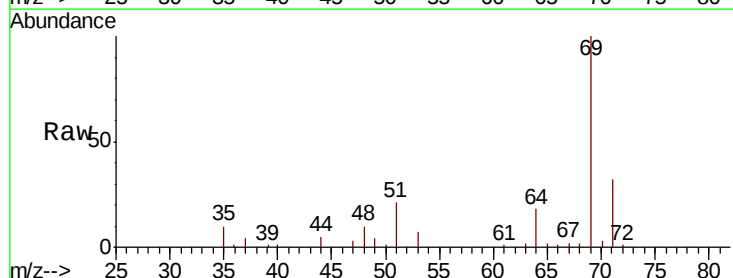
Acq: 20 Oct 2020 13:41

Tgt Ion: 64 Resp: 1344

Ion Ratio Lower Upper

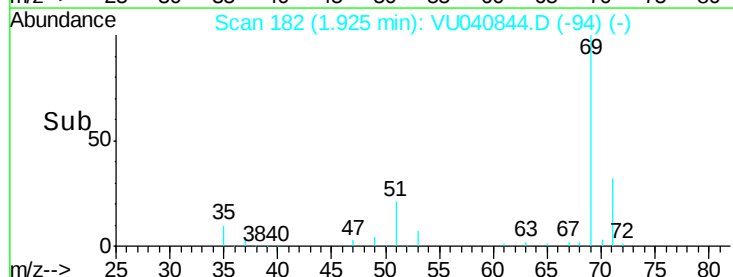
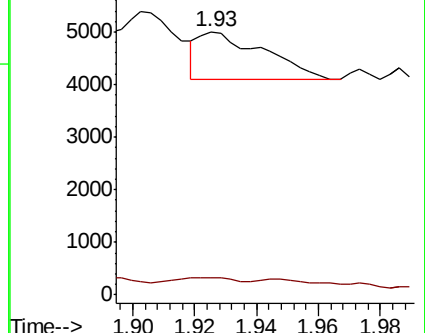
64 100

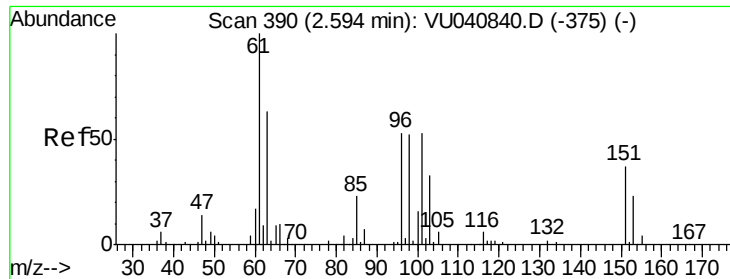
66 6.6 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040844.D (-176) (-)

Ion 66.05 (65.75 to 66.75): VU040844.D (-176) (-)





#10

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

Concen: 0.052 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040844.D

Acq: 20 Oct 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

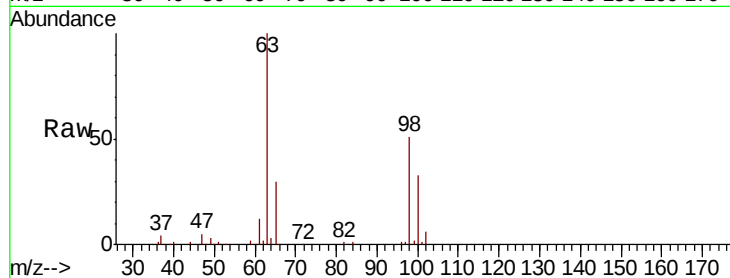
Tot Ion:101 Resp: 490

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

151 0.0 58.0 87.0#

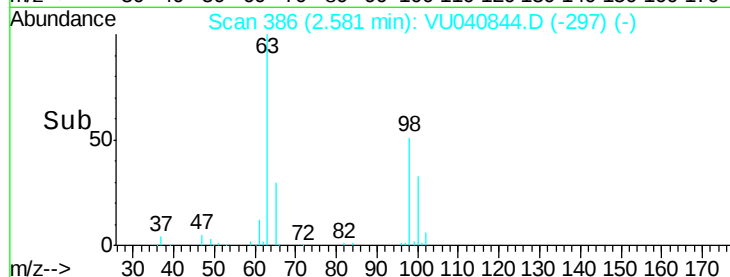


Abundance Ion 101.00 (100.70 to 101.70): V

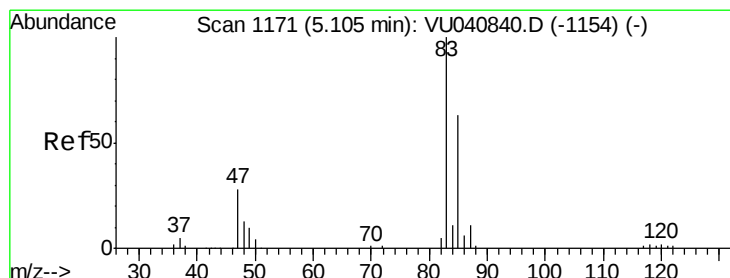
Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V

Time--> 2.54 2.56 2.58 2.60



Time--> 2.54 2.56 2.58 2.60



#25

Chloroform

Concen: 0.114 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VU040844.D

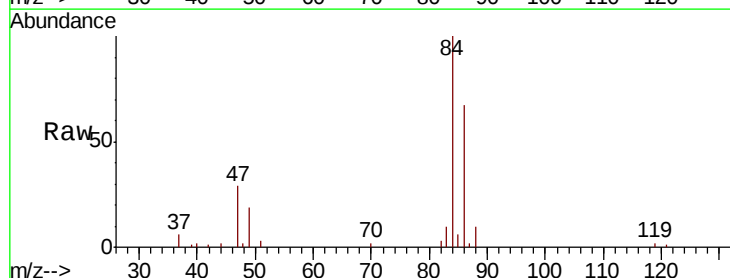
Acq: 20 Oct 2020 13:41

Tgt Ion: 83 Resp: 2037

Ion Ratio Lower Upper

83 100

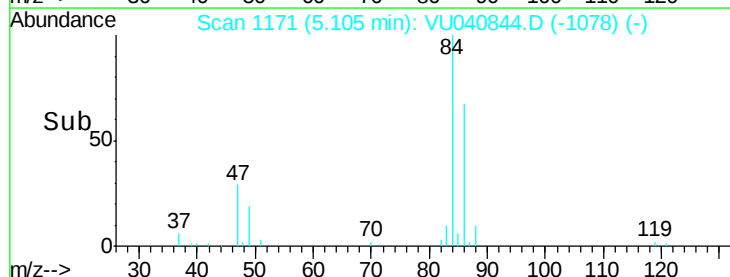
85 55.3 46.5 86.5



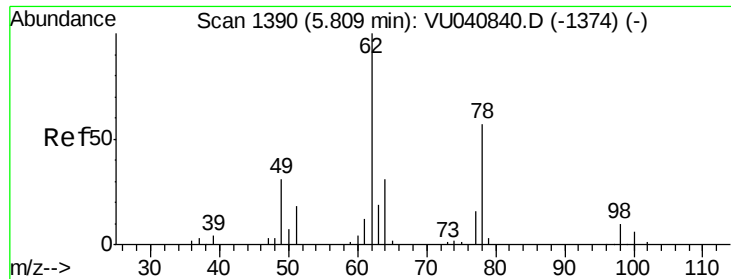
Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

Time--> 5.05 5.10 5.15



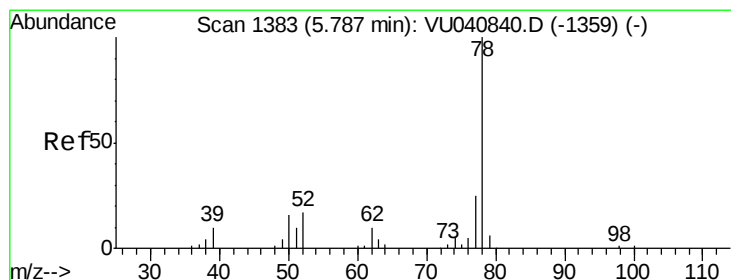
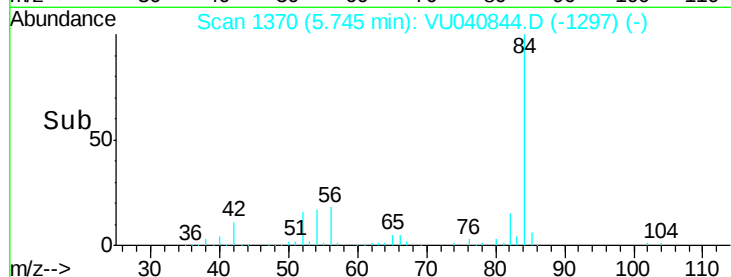
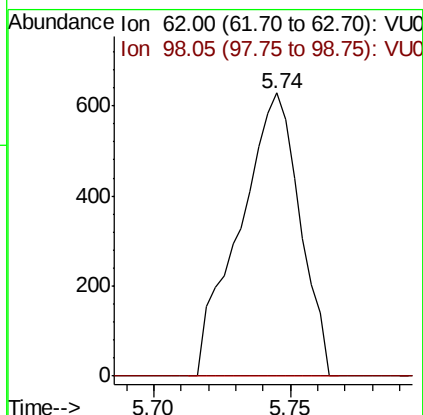
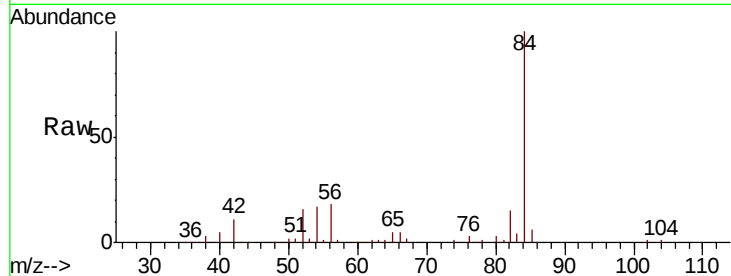
Time--> 5.05 5.10 5.15



#27
 1,2-Dichloroethane
 Concen: 0.076 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.06 min
 Lab File: VU040844.D
 Acq: 20 Oct 2020 13:41

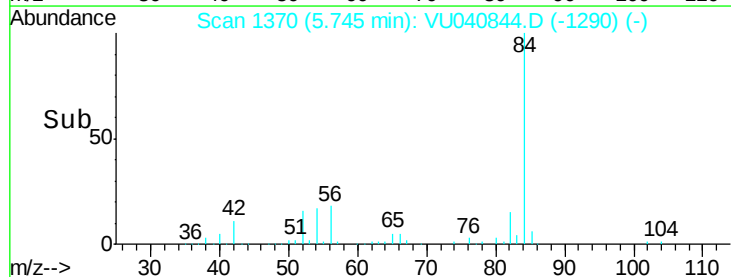
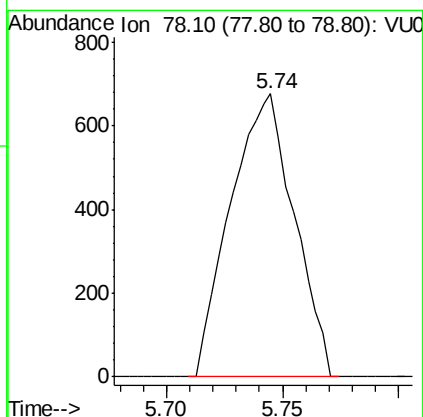
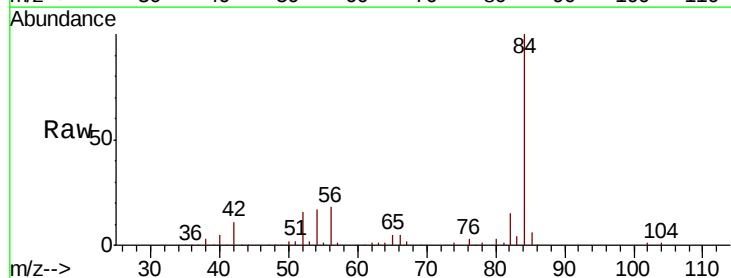
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 ClientSampleId :
 VHBLK01

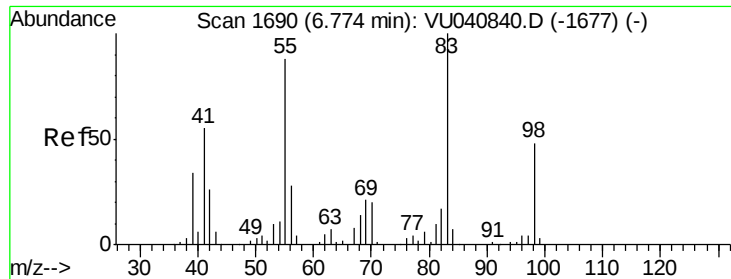
Tot Ion: 62 Resp: 960
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 0.033 ug/L
 RT: 5.74 min Scan# 1370
 Delta R.T. -0.04 min
 Lab File: VU040844.D
 Acq: 20 Oct 2020 13:41

Tgt Ion: 78 Resp: 1288

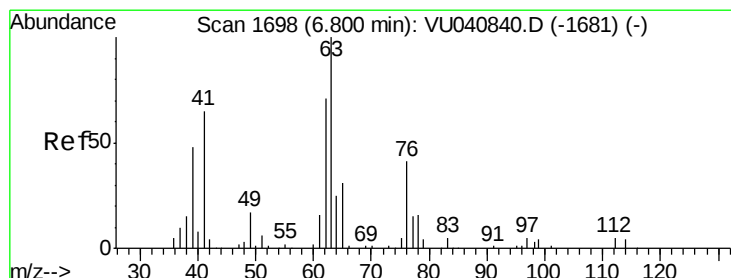
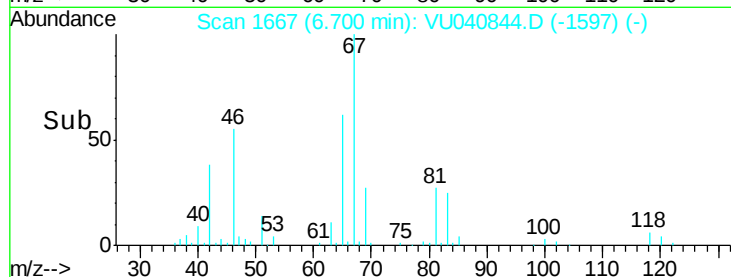
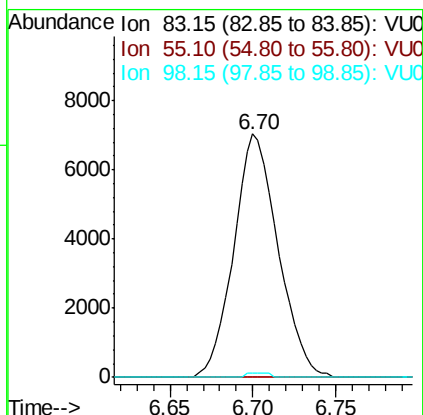
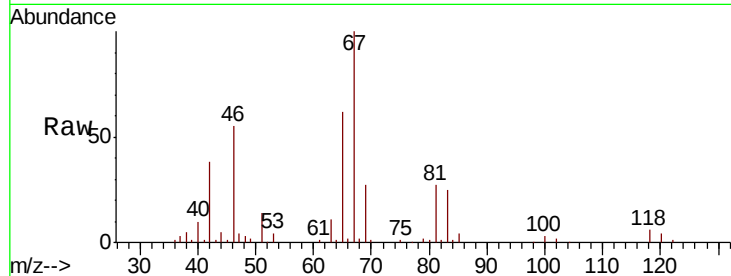




#35
Methylcyclohexane
Concen: 0.908 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040844.D
Acq: 20 Oct 2020 13:41

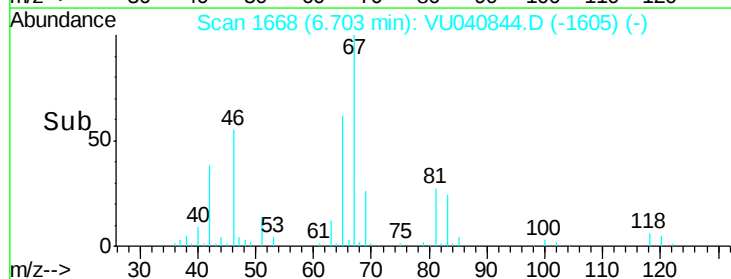
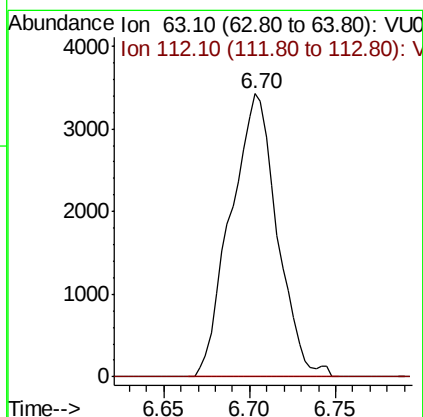
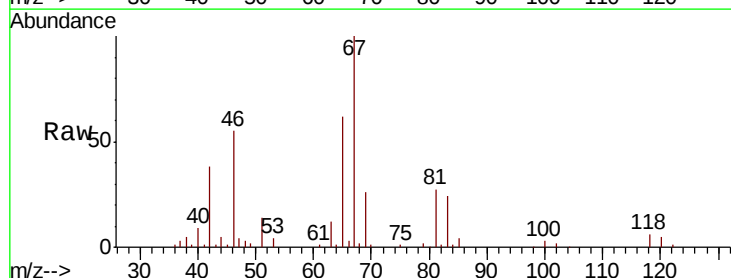
Instrument :
MSVOA_U
ClientSampleId :
VHBLK01

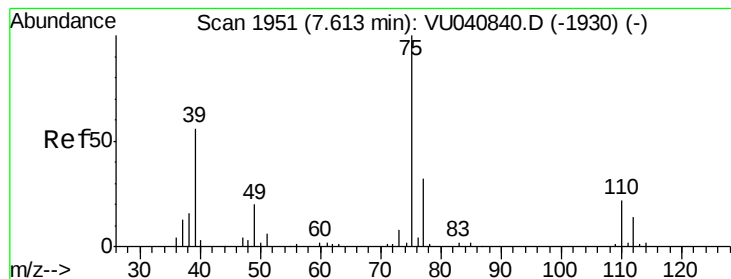
Tot Ion: 83 Resp: 13089
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.9 38.4 57.6#



#37
1,2-Dichloropropane
Concen: 0.590 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040844.D
Acq: 20 Oct 2020 13:41

Tgt Ion: 63 Resp: 6447
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.107 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU040844.D

Acq: 20 Oct 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

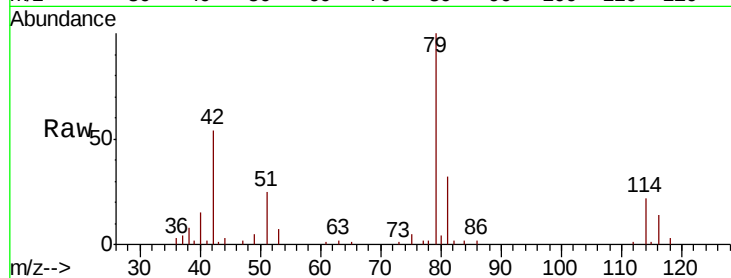
VHBLK01

Tot Ion: 75 Resp: 1592

Ion Ratio Lower Upper

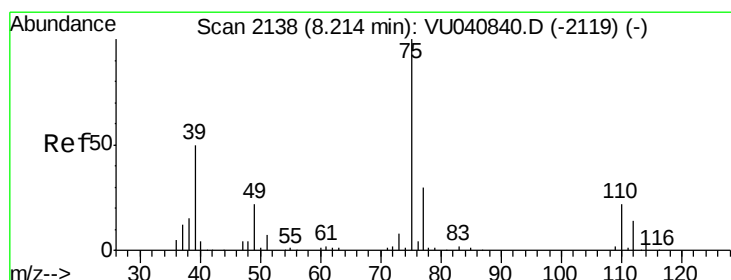
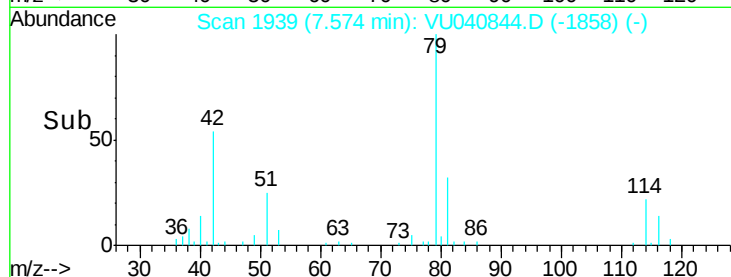
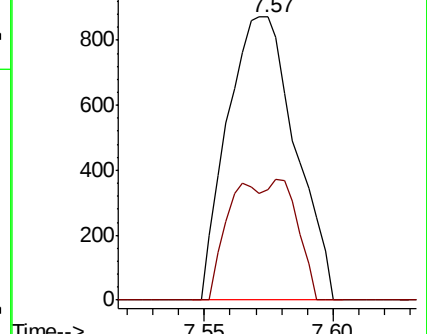
75 100

77 38.9 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040844.D

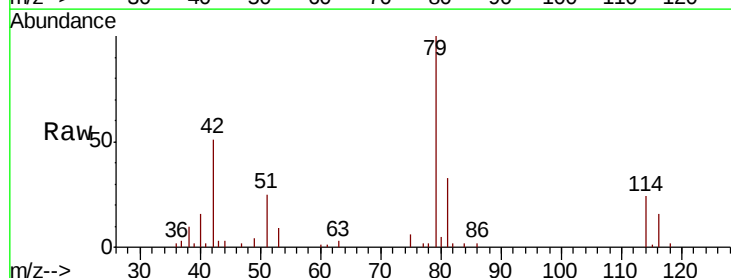
Acq: 20 Oct 2020 13:41

Tgt Ion: 75 Resp: 1073

Ion Ratio Lower Upper

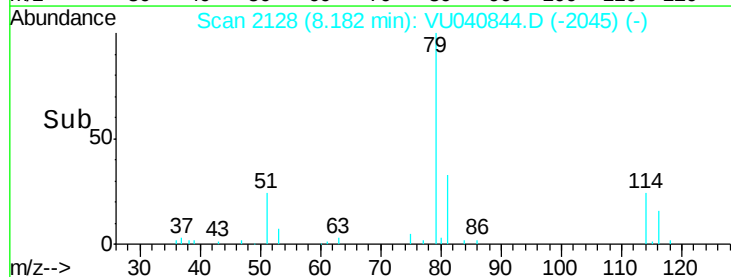
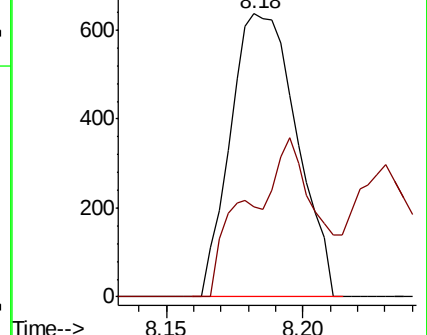
75 100

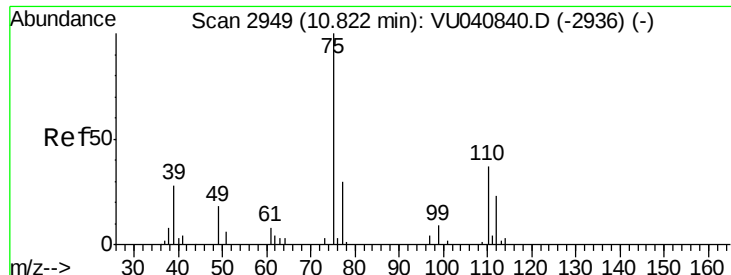
77 31.9 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#59

1,2,3-Trichloropropane

Concen: 0.871 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040844.D

Acq: 20 Oct 2020 13:41

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 6991

Ion Ratio Lower Upper

75 100

77 36.7 26.4 39.6

