

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U102020\
 Data File : VU040846.D
 Acq On : 20 Oct 2020 14:28
 Operator : SY/MD
 Sample : L4419-21
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VHBLK01

Quant Time: Oct 20 23:57:43 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	111340	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	117856	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	49441	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	42840	4.64	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.80%
7) Chloroethane-d5	1.92	69	37790	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.58	63	66315	3.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.60%
20) 2-Butanone-d5	4.65	46	163315	55.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.64%
24) Chloroform-d	5.08	84	84139	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
26) 1,2-Dichloroethane-d4	5.72	65	53836	5.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.20%
32) Benzene-d6	5.74	84	157507	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
36) 1,2-Dichloropropane-d6	6.70	67	54566	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	7.91	98	125793	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	8.19	79	20002	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.64	63	112599	48.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.76%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	49825	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	50683	5.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds

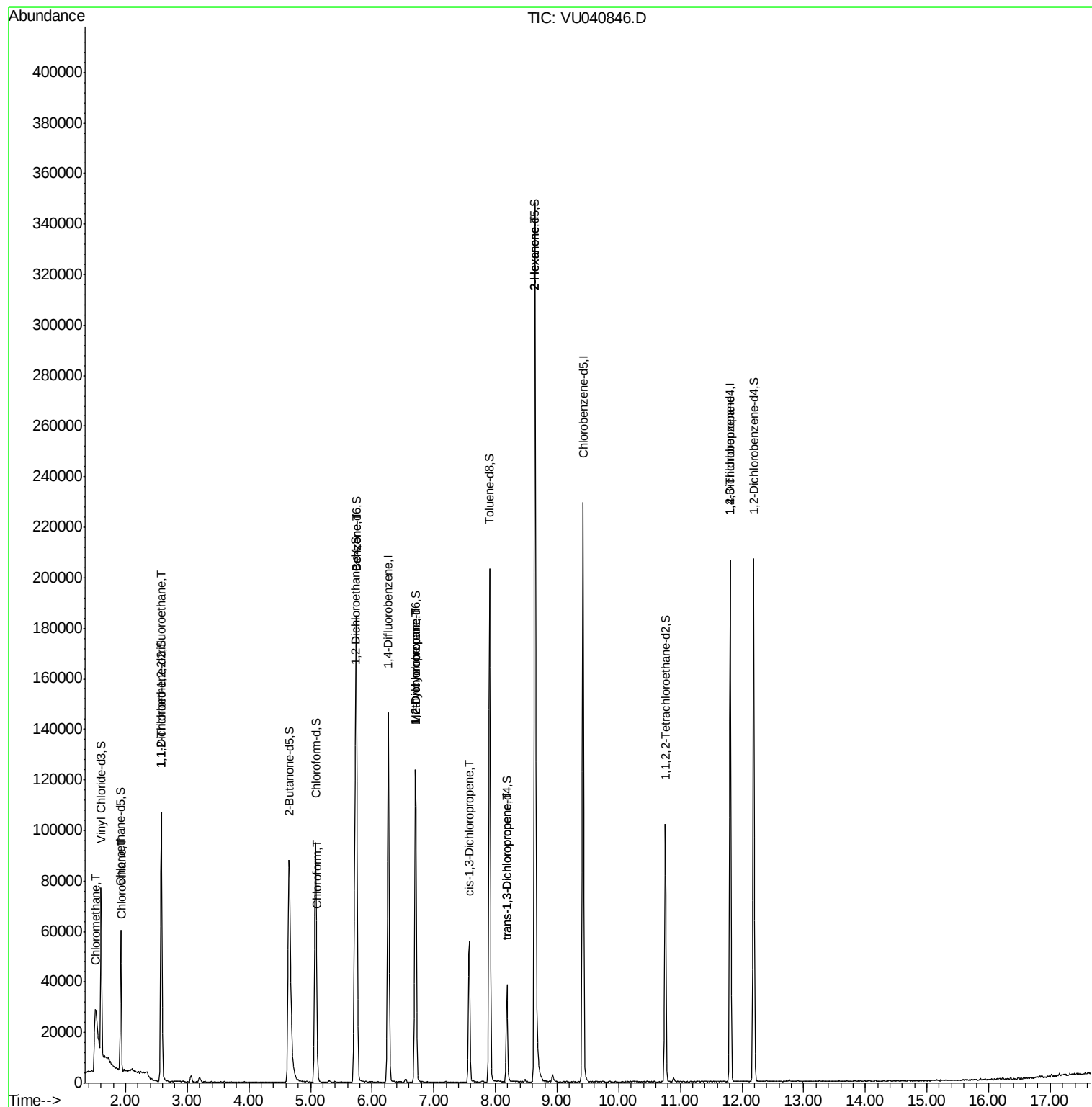
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.52	50	1488	0.158	ug/L #	80
8) Chloroethane	1.94	64	193	0.031	ug/L #	41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	583	0.063	ug/L #	20
25) Chloroform	5.11	83	3703	0.211	ug/L	83
33) Benzene	5.74	78	1155	0.031	ug/L	100
35) Methylcyclohexane	6.70	83	12622	0.907	ug/L #	14
37) 1,2-Dichloropropane	6.70	63	6186	0.586	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1436	0.100	ug/L #	81
44) trans-1,3-Dichloropropene	8.19	75	906	0.068	ug/L #	65
48) 2-Hexanone	8.64	43	16487	2.633	ug/L #	72
59) 1,2,3-Trichloropropane	11.81	75	6953	0.897	ug/L	96

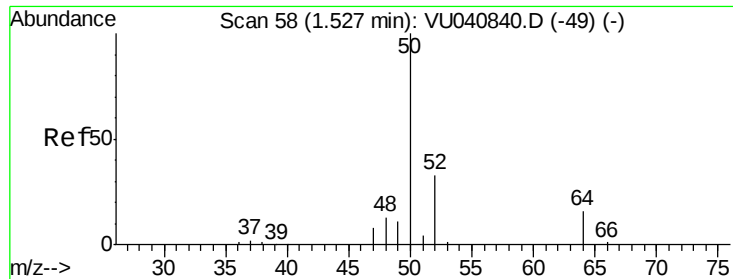
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.158 ug/L

RT: 1.52 min Scan# 57

Delta R.T. -0.00 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

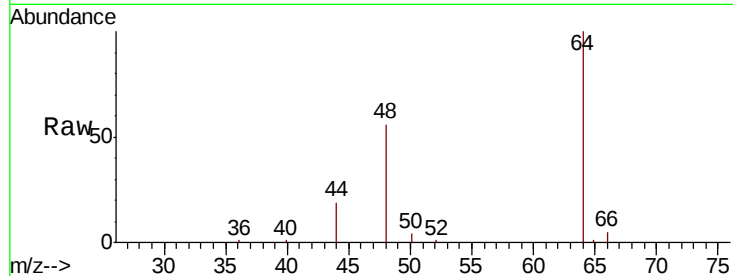
VHBLK01

Tot Ion: 50 Resp: 1488

Ion Ratio Lower Upper

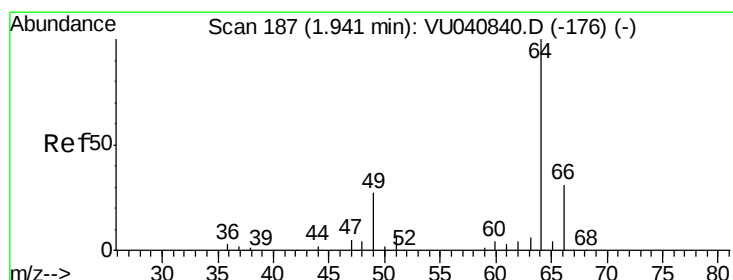
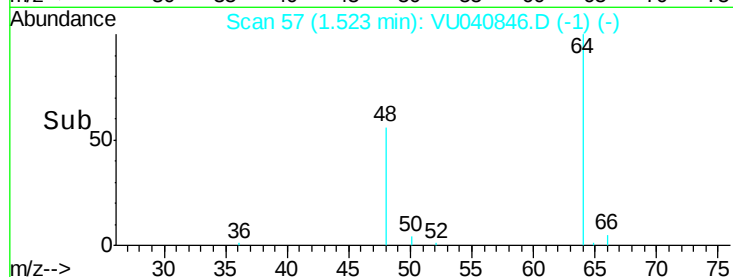
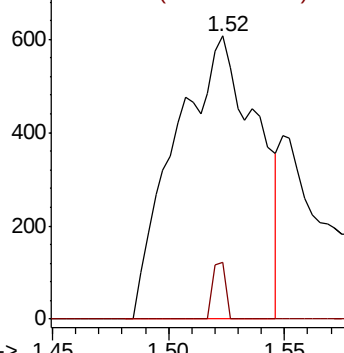
50 100

52 20.3 21.9 40.7#



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.031 ug/L

RT: 1.94 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU040846.D

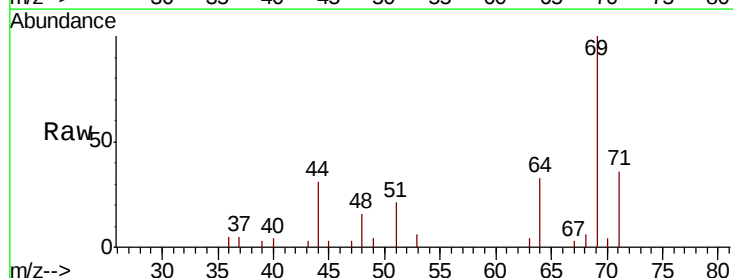
Acq: 20 Oct 2020 14:28

Tgt Ion: 64 Resp: 193

Ion Ratio Lower Upper

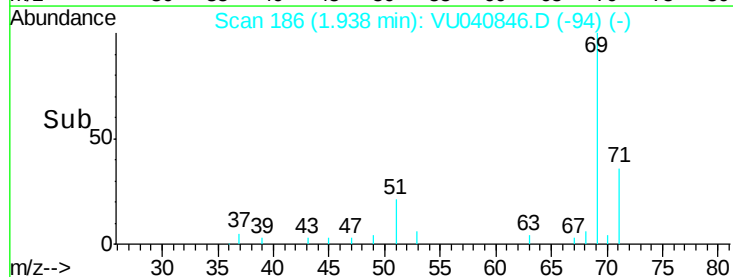
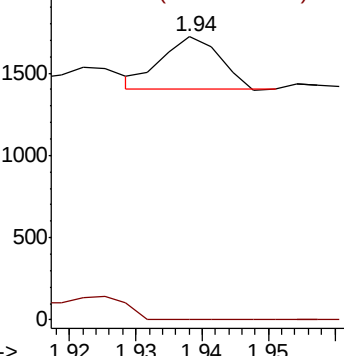
64 100

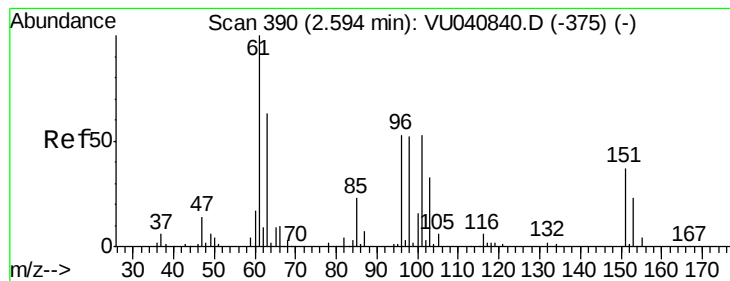
66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#10

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

Concen: 0.063 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.02 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

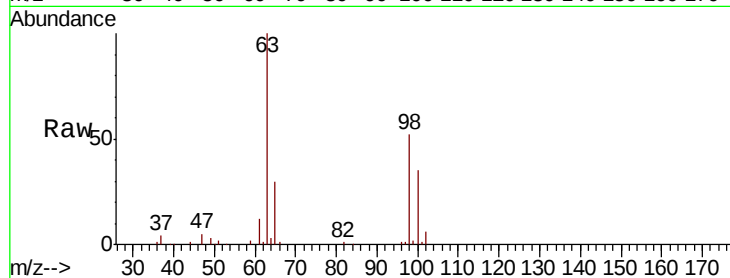
Tot Ion:101 Resp: 583

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

2.58

400

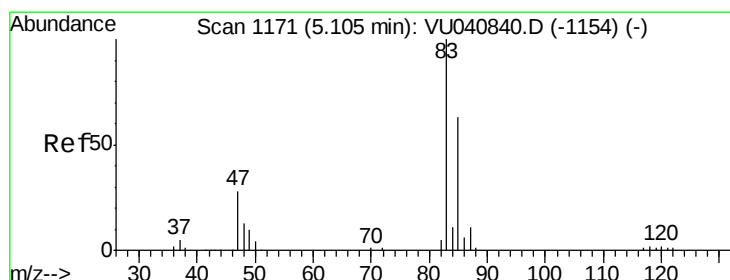
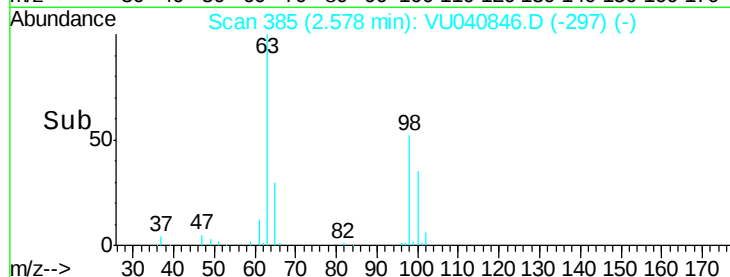
300

200

100

0

Time--> 2.54 2.56 2.58 2.60 2.62



#25

Chloroform

Concen: 0.211 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU040846.D

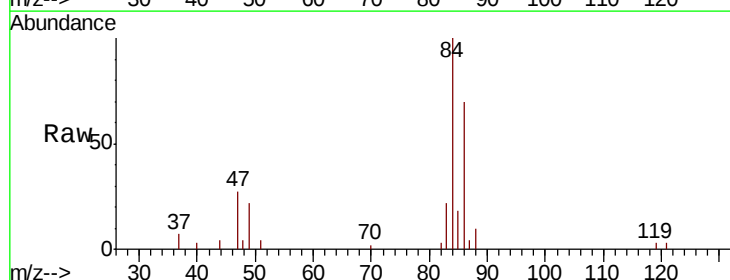
Acq: 20 Oct 2020 14:28

Tgt Ion: 83 Resp: 3703

Ion Ratio Lower Upper

83 100

85 80.3 46.5 86.5



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

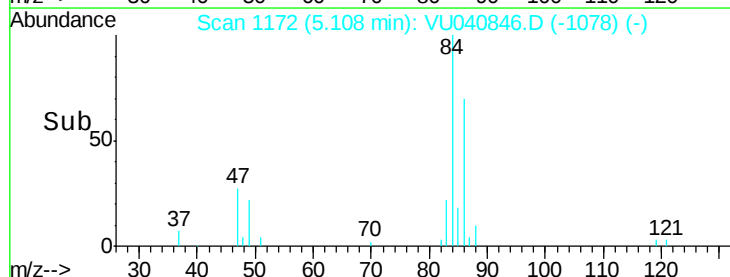
1500

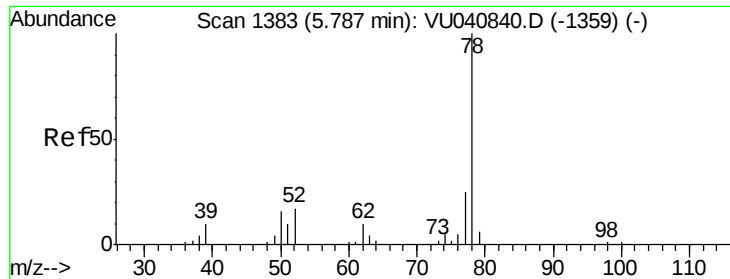
1000

500

0

Time--> 5.05 5.10 5.15





#33

Benzene

Concen: 0.031 ug/L

RT: 5.74 min Scan# 1367

Delta R.T. -0.05 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

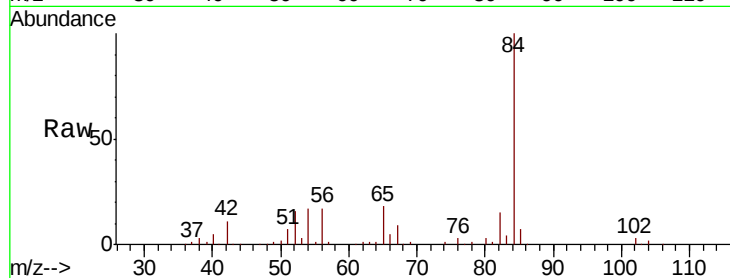
Instrument :

MSVOA_U

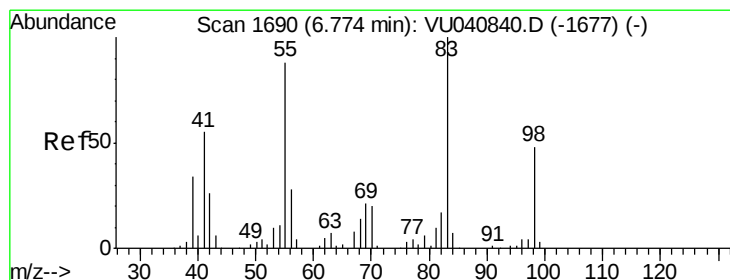
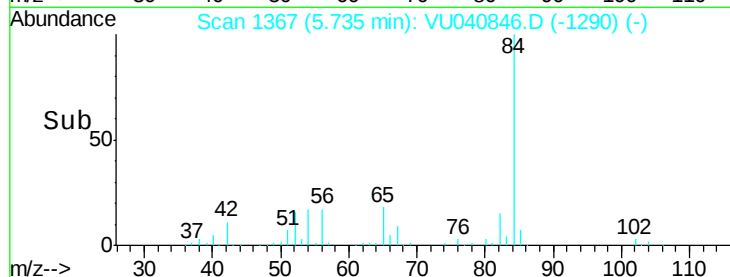
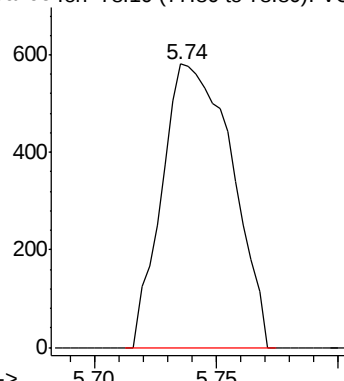
ClientSampleId :

VHBLK01

Tgt Ion: 78 Resp: 1155



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.907 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.07 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

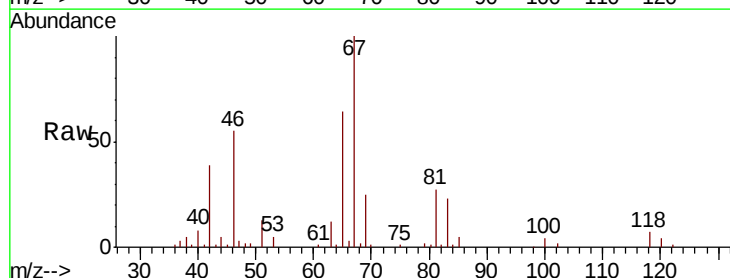
Tgt Ion: 83 Resp: 12622

Ion Ratio Lower Upper

83 100

55 0.0 70.7 106.1#

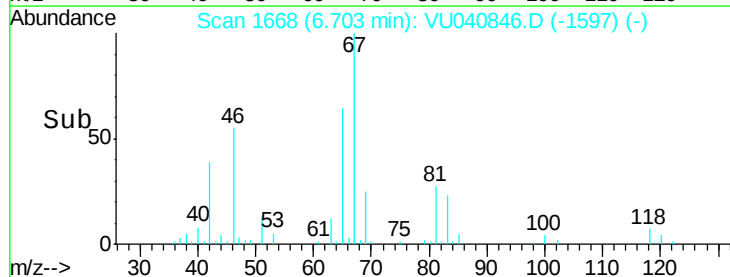
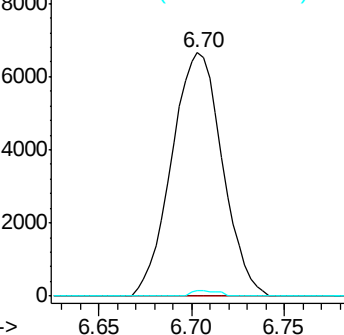
98 1.2 38.4 57.6#

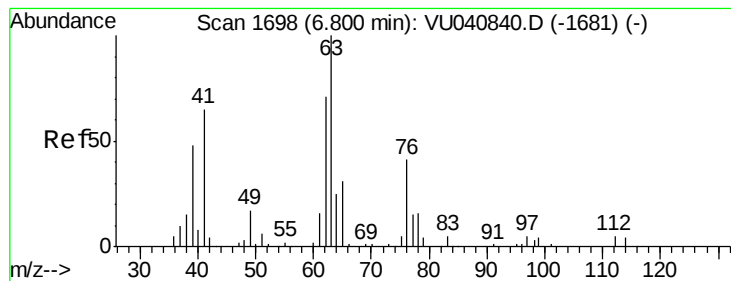


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.586 ug/L

RT: 6.70 min Scan# 1668

Delta R.T. -0.10 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

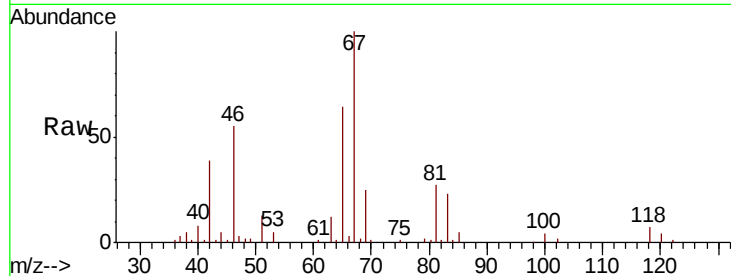
VHBLK01

Tot Ion: 63 Resp: 6186

Ion Ratio Lower Upper

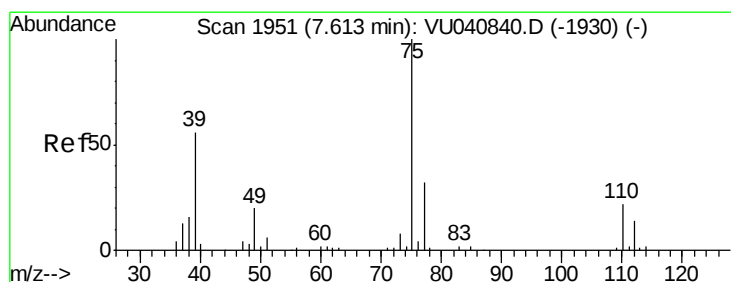
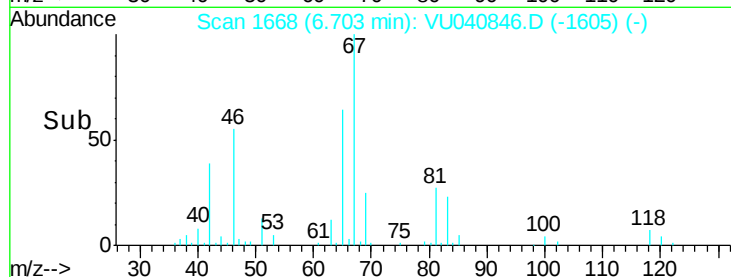
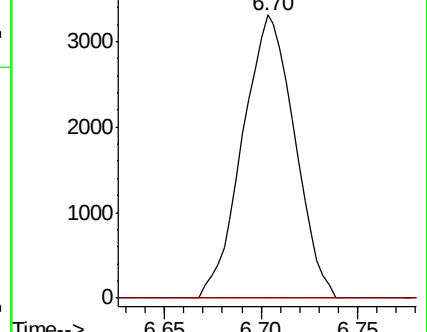
63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU040840.D (-1681) (-)

Ion 112.10 (111.80 to 112.80): VU040840.D (-1681) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.100 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU040846.D

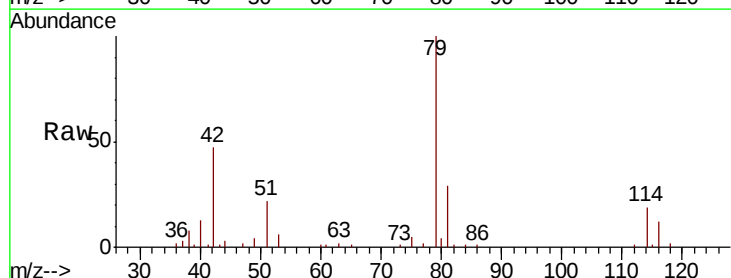
Acq: 20 Oct 2020 14:28

Tgt Ion: 75 Resp: 1436

Ion Ratio Lower Upper

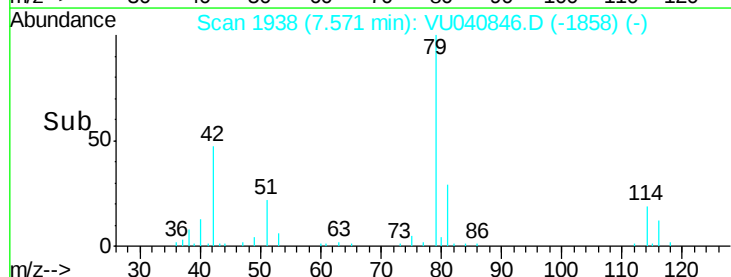
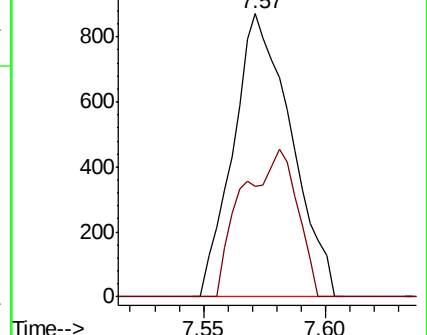
75 100

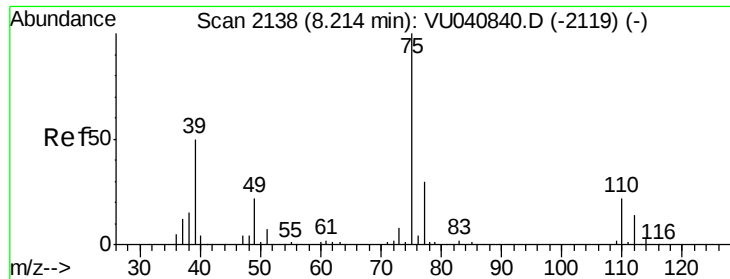
77 39.3 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU040840.D (-1930) (-)

Ion 77.05 (76.75 to 77.75): VU040840.D (-1930) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.068 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

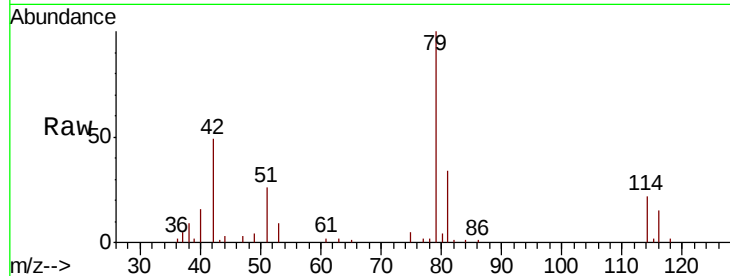
VHBLK01

Tot Ion: 75 Resp: 906

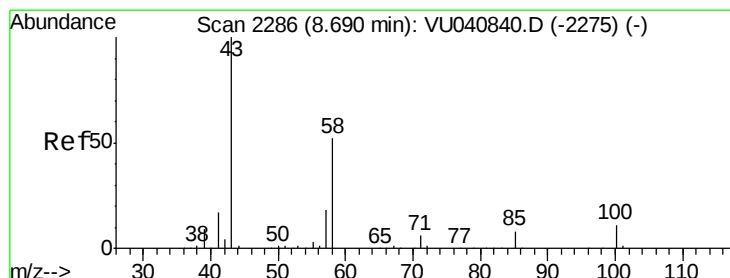
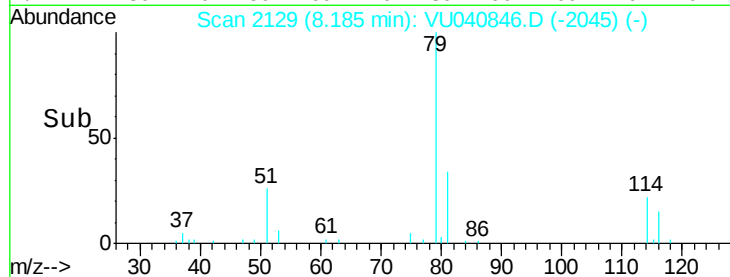
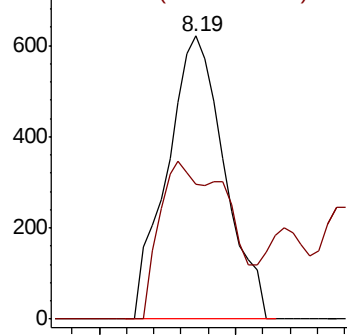
Ion Ratio Lower Upper

75 100

77 47.8 20.4 38.0#



Abundance Ion 75.05 (74.75 to 75.75): VU040846.D (-2119) (-)



#48

2-Hexanone

Concen: 2.633 ug/L

RT: 8.64 min Scan# 2270

Delta R.T. -0.05 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

Tgt Ion: 43 Resp: 16487

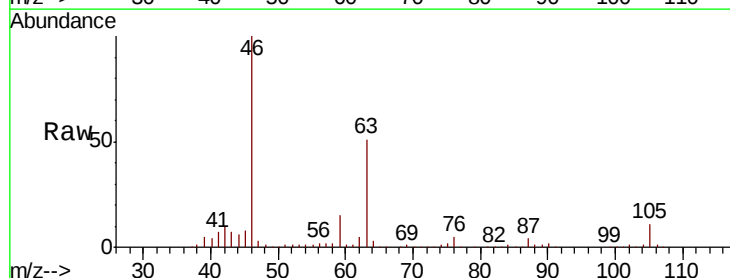
Ion Ratio Lower Upper

43 100

58 31.5 41.0 61.6#

57 32.1 14.4 21.6#

100 2.7 8.6 13.0#

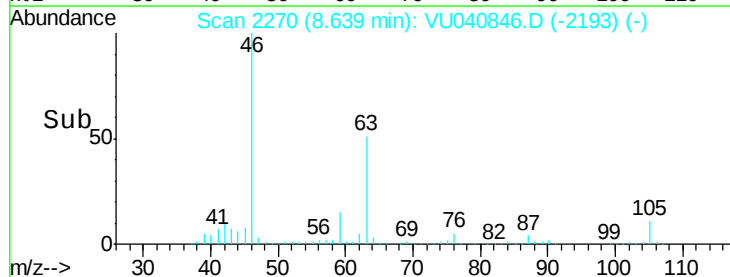
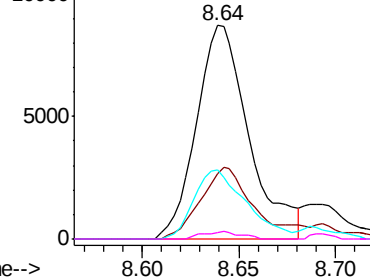


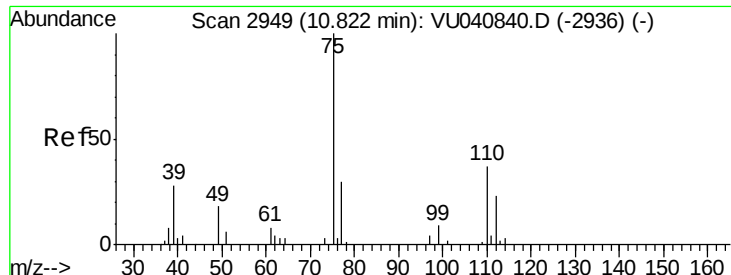
Abundance Ion 43.05 (42.75 to 43.75): VU040846.D (-2193) (-)

Ion 58.05 (57.75 to 58.75): VU040846.D (-2193) (-)

Ion 57.20 (56.90 to 57.90): VU040846.D (-2193) (-)

Ion 100.15 (99.85 to 100.85): VU040846.D (-2193) (-)





#59

1,2,3-Trichloropropane

Concen: 0.897 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU040846.D

Acq: 20 Oct 2020 14:28

Instrument :

MSVOA_U

ClientSampleId :

VHBLK01

Tot Ion: 75 Resp: 6953

Ion Ratio Lower Upper

75 100

77 35.4 26.4 39.6

