

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040770.D
 Acq On : 17 Oct 2020 18:33
 Operator : SY/MD
 Sample : L4421-04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 19 03:09:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Oct 19 03:08:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	118300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	124317	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	53482	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	33660	3.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	68.60%
7) Chloroethane-d5	1.92	69	34592	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.58	63	55089	2.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.40%#
20) 2-Butanone-d5	4.66	46	170807	54.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.90%
24) Chloroform-d	5.08	84	82891	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	5.72	65	52596	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.74	84	143646	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.70	67	51395	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.90	98	108026	3.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.00%
43) trans-1,3-Dichloropropene-	8.18	79	19595	4.16	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.20%
46) 2-Hexanone-d5	8.64	63	112805	46.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.84%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	48214	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	49228	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

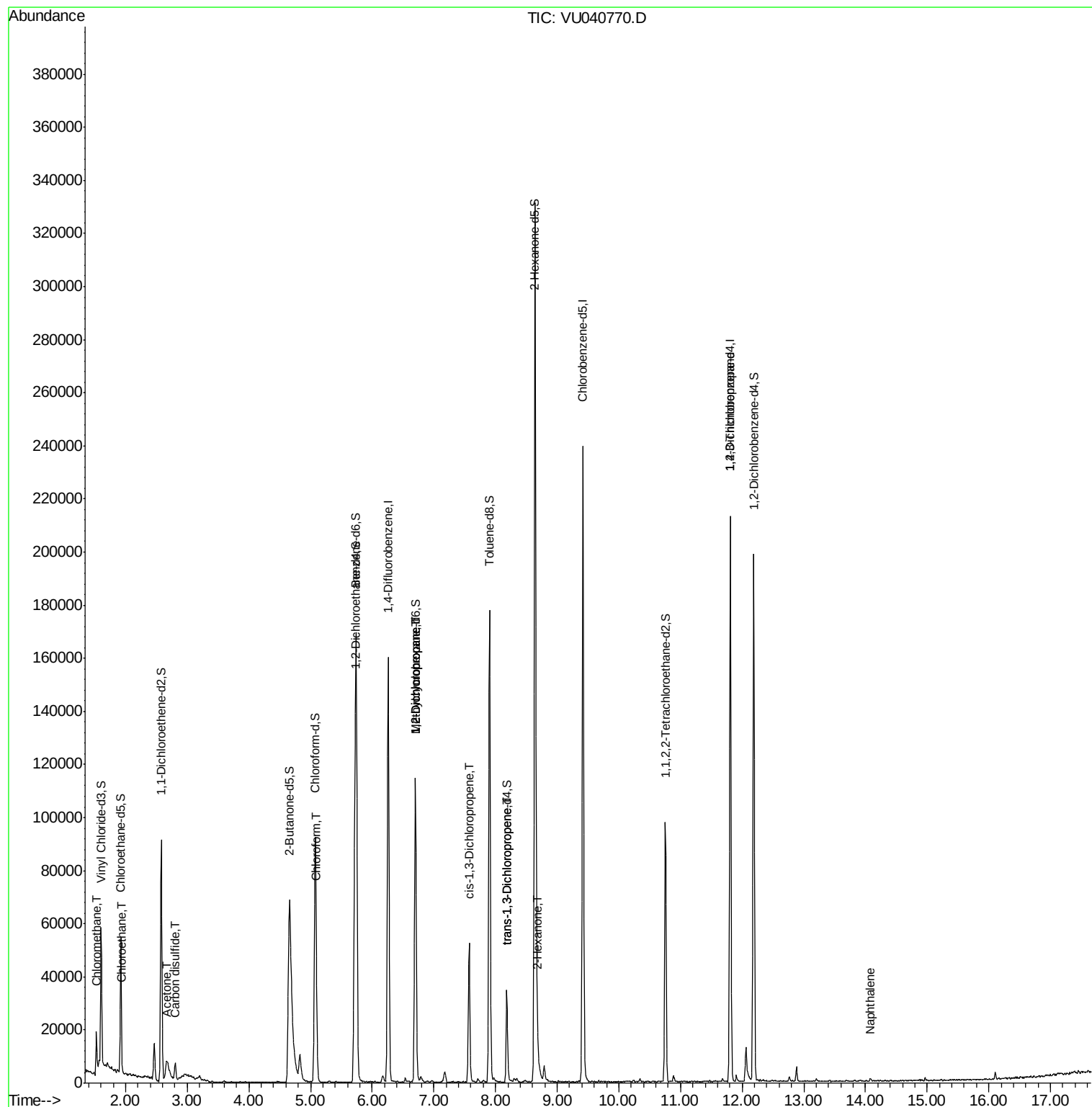
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.53	50	10389	1.036	ug/L	92
8) Chloroethane	1.94	64	869	0.129	ug/L #	63
13) Acetone	2.67	43	19688	8.097	ug/L	82
14) Carbon disulfide	2.81	76	7831	0.331	ug/L #	94
25) Chloroform	5.10	83	1976	0.106	ug/L	92
35) Methylcyclohexane	6.70	83	12281	0.837	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	5654	0.508	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1366	0.090	ug/L #	59
44) trans-1,3-Dichloropropene	8.19	75	889	0.064	ug/L #	78
48) 2-Hexanone	8.69	43	3380	0.512	ug/L #	79
59) 1,2,3-Trichloropropane	11.81	75	7270	0.889	ug/L #	87
69) Naphthalene	14.08	128	836	0.053	ug/L #	80

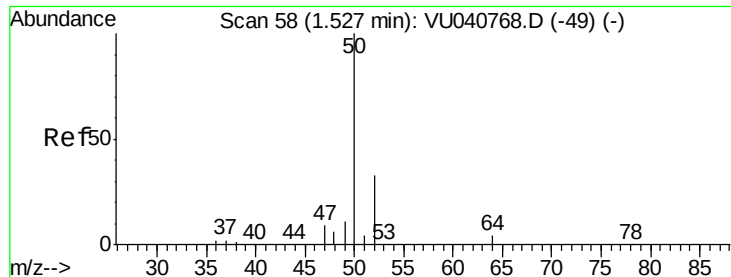
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.036 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040770.D

Acq: 17 Oct 2020 18:33

Instrument :

MSVOA_U

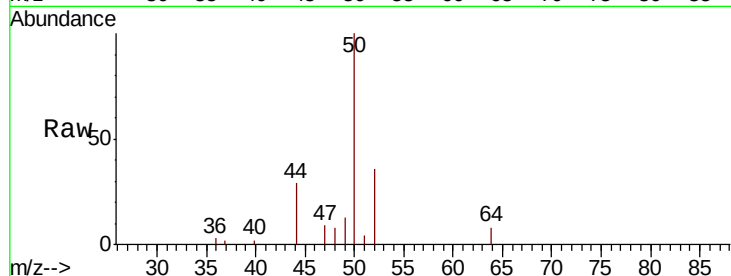
ClientSampleId :

Tot Ion: 50 Resp: 10389

Ion Ratio Lower Upper

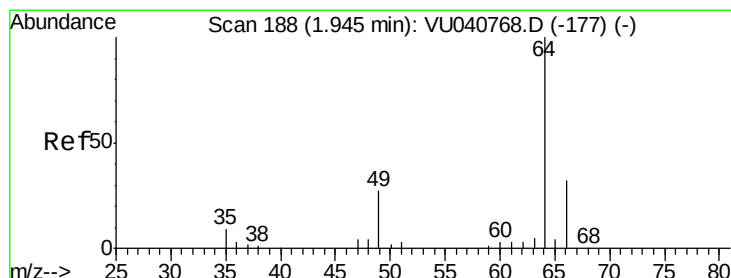
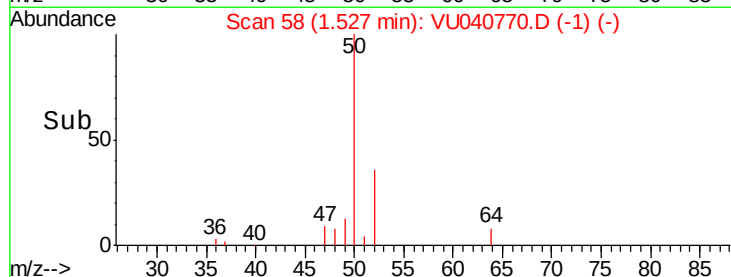
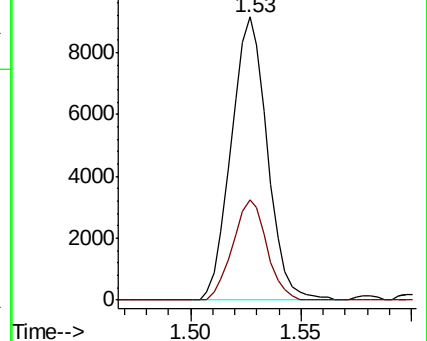
50 100

52 35.6 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: 0.129 ug/L

RT: 1.94 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU040770.D

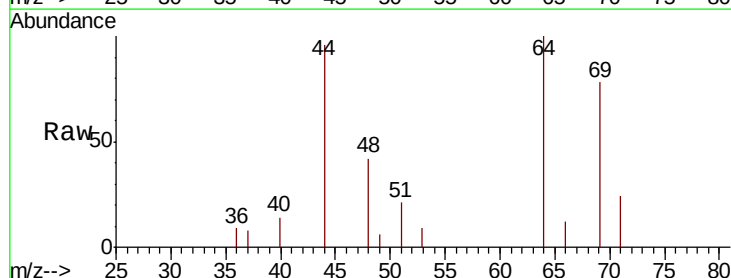
Acq: 17 Oct 2020 18:33

Tgt Ion: 64 Resp: 869

Ion Ratio Lower Upper

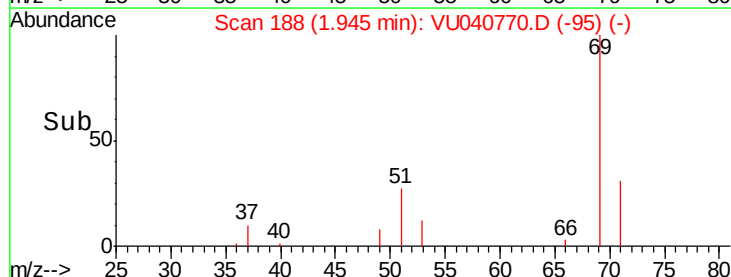
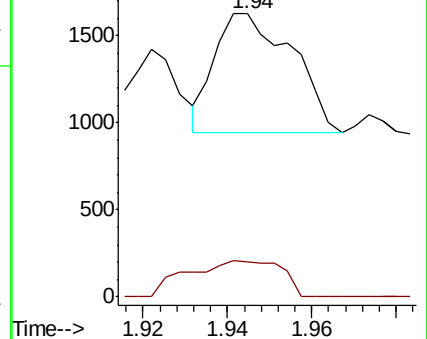
64 100

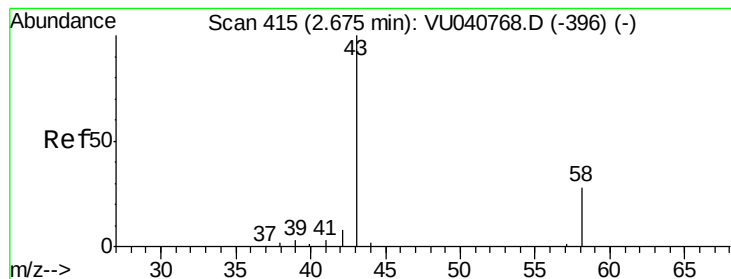
66 12.4 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 8.097 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU040770.D

Acq: 17 Oct 2020 18:33

Instrument :

MSVOA_U

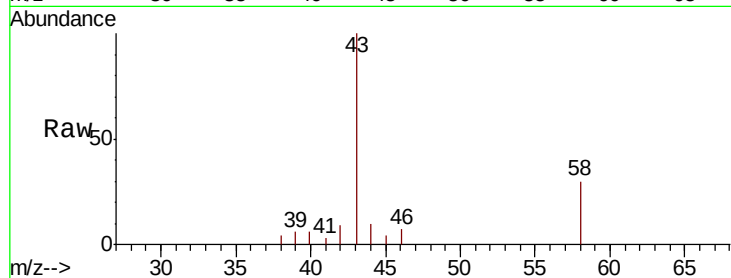
ClientSampleId :

Tot Ion: 43 Resp: 19688

Ion Ratio Lower Upper

43 100

58 20.3 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040768.D (-396) (-)

Ion 58.05 (57.75 to 58.75): VU040768.D (-396) (-)

2.67

5000

4000

3000

2000

1000

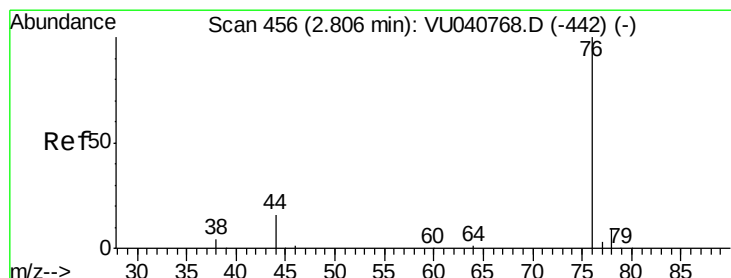
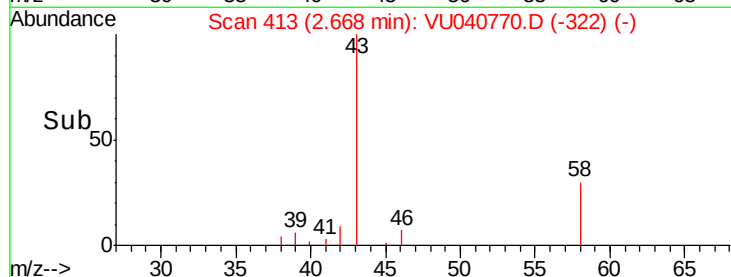
0

Time-->

2.60

2.70

2.80



#14

Carbon disulfide

Concen: 0.331 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040770.D

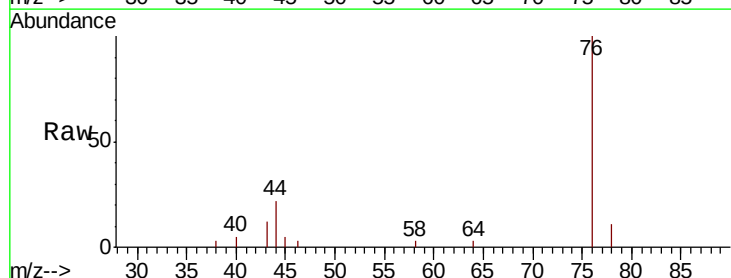
Acq: 17 Oct 2020 18:33

Tgt Ion: 76 Resp: 7831

Ion Ratio Lower Upper

76 100

78 10.8 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU040768.D (-442) (-)

Ion 78.00 (77.70 to 78.70): VU040768.D (-442) (-)

2.81

5000

4000

3000

2000

1000

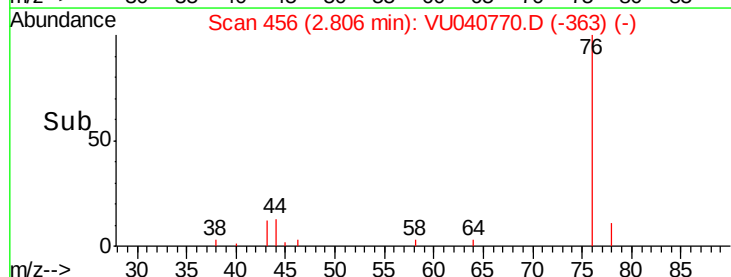
0

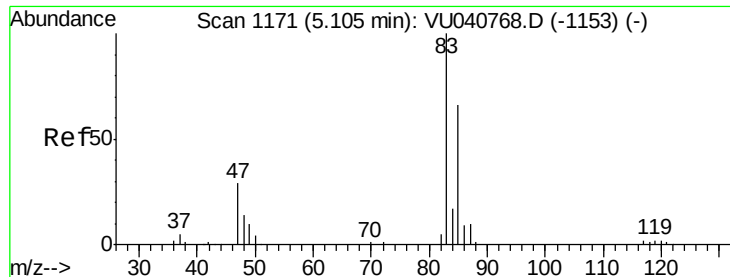
Time-->

2.75

2.80

2.85

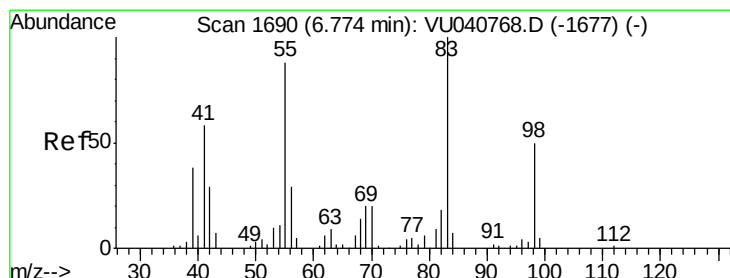
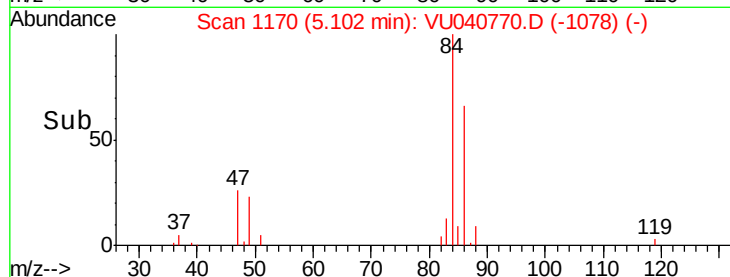
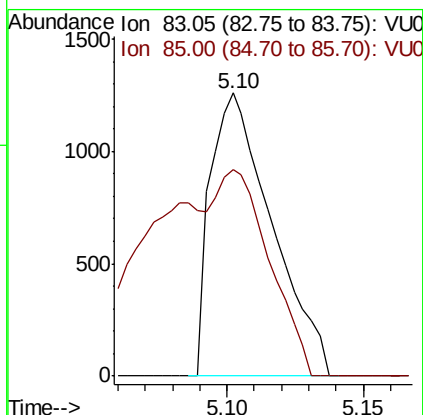
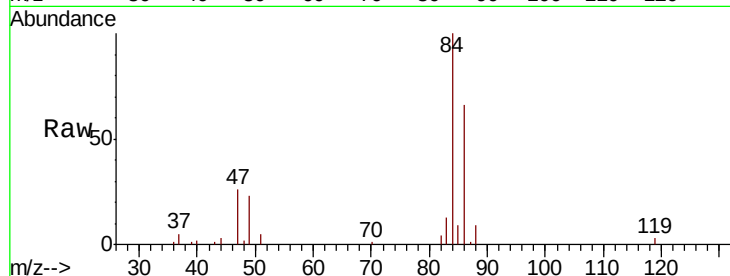




#25
Chloroform
Concen: 0.106 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040770.D
Acq: 17 Oct 2020 18:33

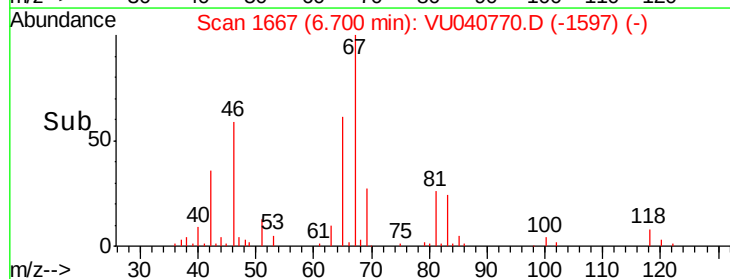
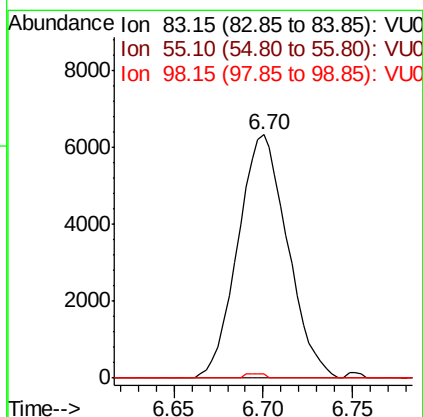
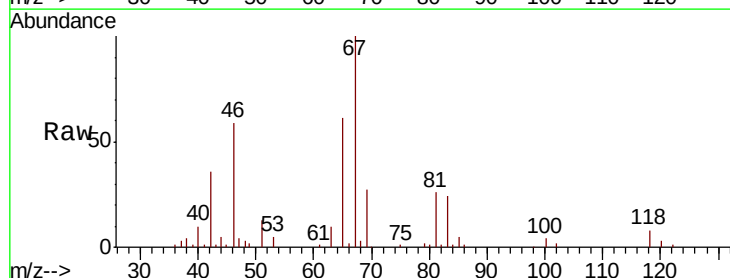
Instrument :
MSVOA_U
ClientSampled :

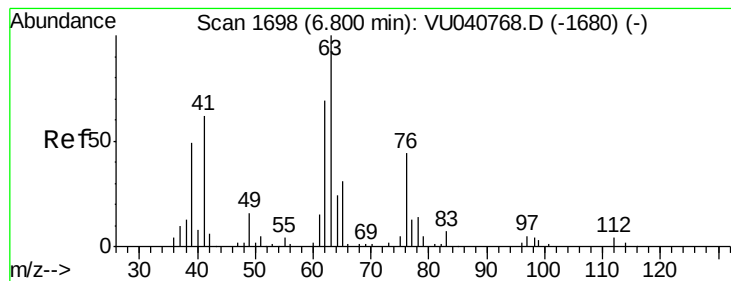
Tot Ion: 83 Resp: 1976
Ion Ratio Lower Upper
83 100
85 73.1 46.5 86.5



#35
Methylcyclohexane
Concen: 0.837 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.07 min
Lab File: VU040770.D
Acq: 17 Oct 2020 18:33

Tgt Ion: 83 Resp: 12281
Ion Ratio Lower Upper
83 100
55 0.0 70.7 106.1#
98 0.7 38.4 57.6#





#37

1,2-Dichloropropane

Concen: 0.508 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.09 min

Lab File: VU040770.D

Acq: 17 Oct 2020 18:33

Instrument :

MSVOA_U

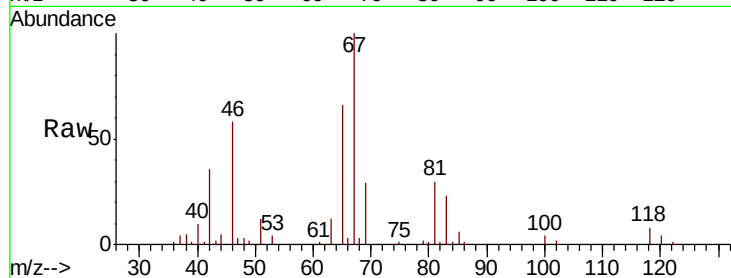
ClientSampleId :

Tot Ion: 63 Resp: 5654

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU040770.D (-1669) (-)

Ion 112.10 (111.80 to 112.80): VU040770.D (-1669) (-)

6.71

2500

2000

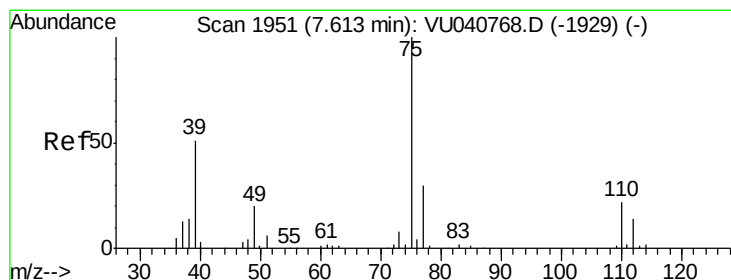
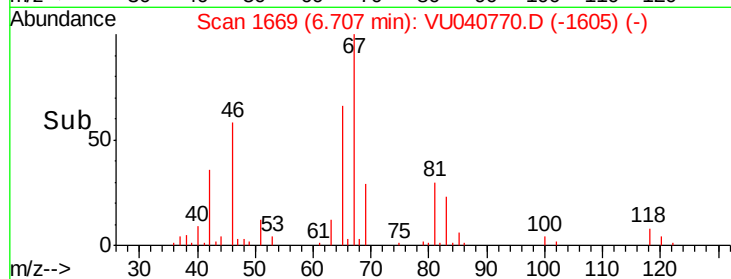
1500

1000

500

0

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.090 ug/L

RT: 7.57 min Scan# 1938

Delta R.T. -0.04 min

Lab File: VU040770.D

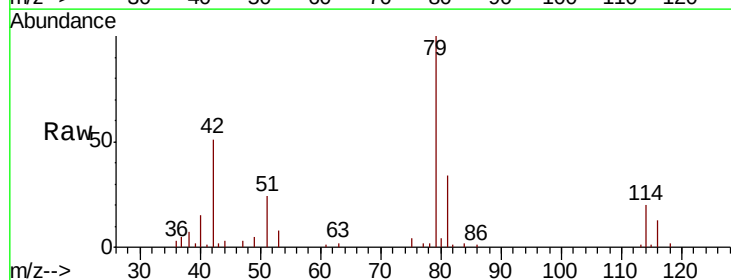
Acq: 17 Oct 2020 18:33

Tgt Ion: 75 Resp: 1366

Ion Ratio Lower Upper

75 100

77 51.2 20.5 38.1#



Abundance Ion 75.05 (74.75 to 75.75): VU040770.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU040770.D (-1938) (-)

7.57

800

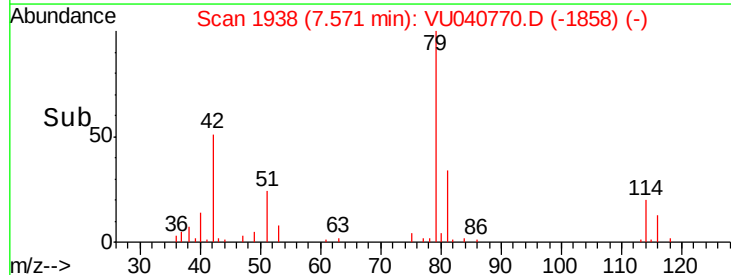
600

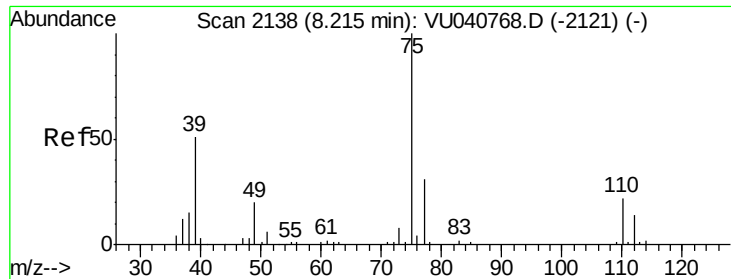
400

200

0

Time-->

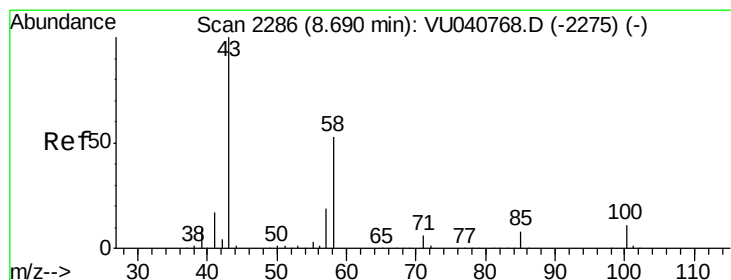
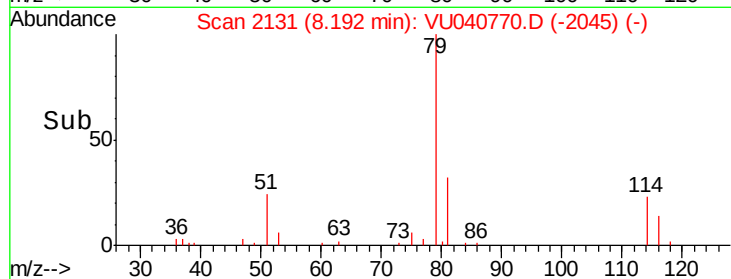
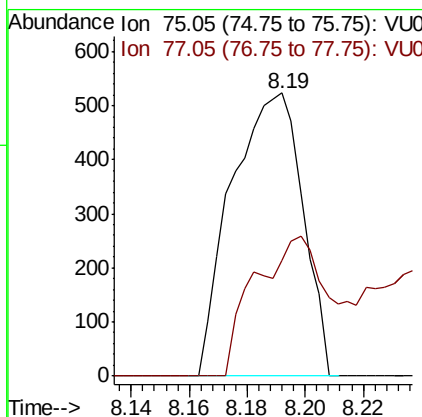
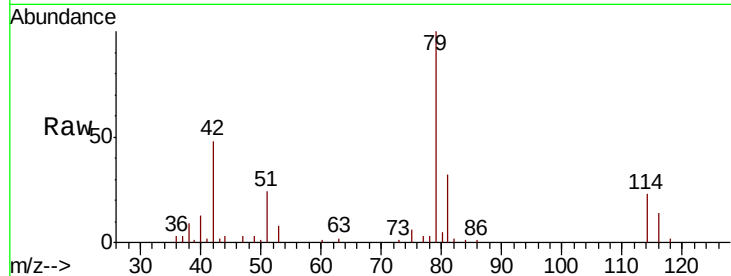




#44
trans-1,3-Dichloropropene
Concen: 0.064 ug/L
RT: 8.19 min Scan# 2131
Delta R.T. -0.02 min
Lab File: VU040770.D
Acq: 17 Oct 2020 18:33

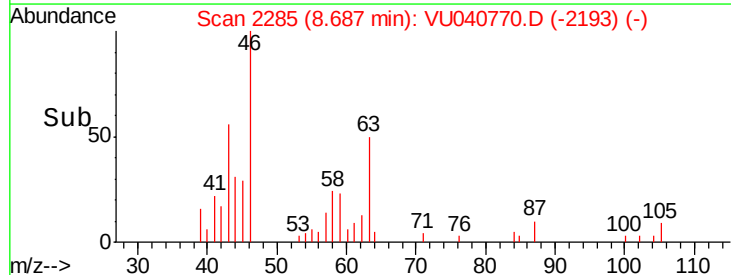
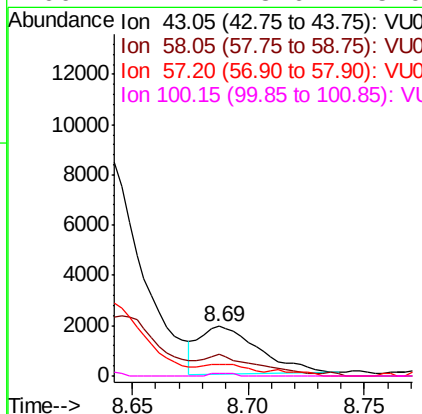
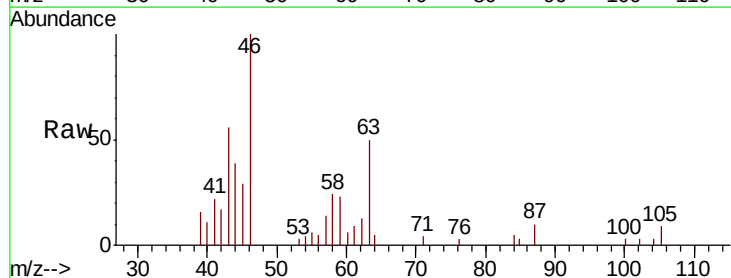
Instrument :
MSVOA_U
ClientSampleId :

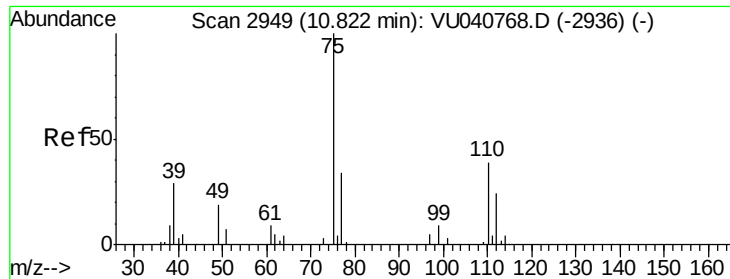
Tot Ion: 75 Resp: 889
Ion Ratio Lower Upper
75 100
77 40.7 20.4 38.0#



#48
2-Hexanone
Concen: 0.512 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040770.D
Acq: 17 Oct 2020 18:33

Tgt Ion: 43 Resp: 3380
Ion Ratio Lower Upper
43 100
58 31.9 41.0 61.6#
57 19.1 14.4 21.6
100 2.4 8.6 13.0#





#59

1,2,3-Trichloropropane

Concen: 0.889 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040770.D

Acq: 17 Oct 2020 18:33

Instrument :

MSVOA_U

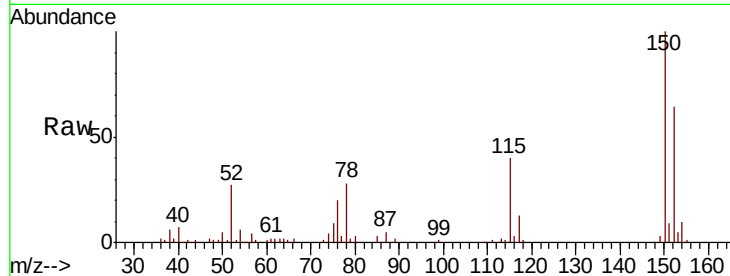
ClientSampled :

Tot Ion: 75 Resp: 7270

Ion Ratio Lower Upper

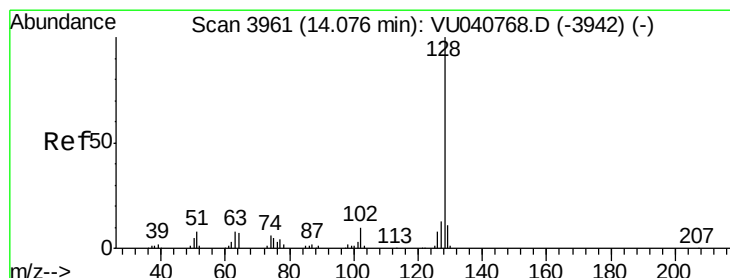
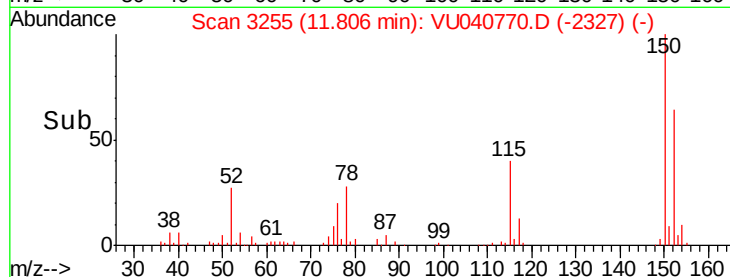
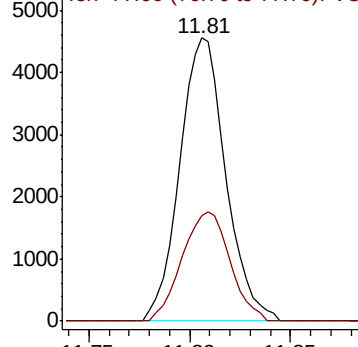
75 100

77 40.1 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#69

Naphthalene

Concen: 0.053 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. -0.00 min

Lab File: VU040770.D

Acq: 17 Oct 2020 18:33

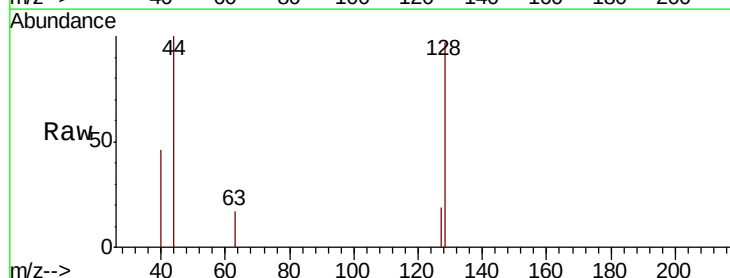
Tgt Ion: 128 Resp: 836

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 8.4 10.2 15.4#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

