

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101720\
 Data File : VU040772.D
 Acq On : 17 Oct 2020 19:19
 Operator : SY/MD
 Sample : L4421-12
 Misc : 25.2mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG195

Quant Time: Oct 19 03:09:44 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	119878	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	125906	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51512	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	34523	3.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.40%
7) Chloroethane-d5	1.93	69	33829	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.58	63	56656	2.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.40%#
20) 2-Butanone-d5	4.66	46	171568	53.97	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.94%
24) Chloroform-d	5.08	84	84873	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.72	65	53277	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	5.75	84	148581	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.60%
36) 1,2-Dichloropropane-d6	6.70	67	52631	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.40%
41) Toluene-d8	7.91	98	111651	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
43) trans-1,3-Dichloropropene-	8.19	79	20049	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
46) 2-Hexanone-d5	8.64	63	118655	48.21	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.42%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	47668	4.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	51585	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

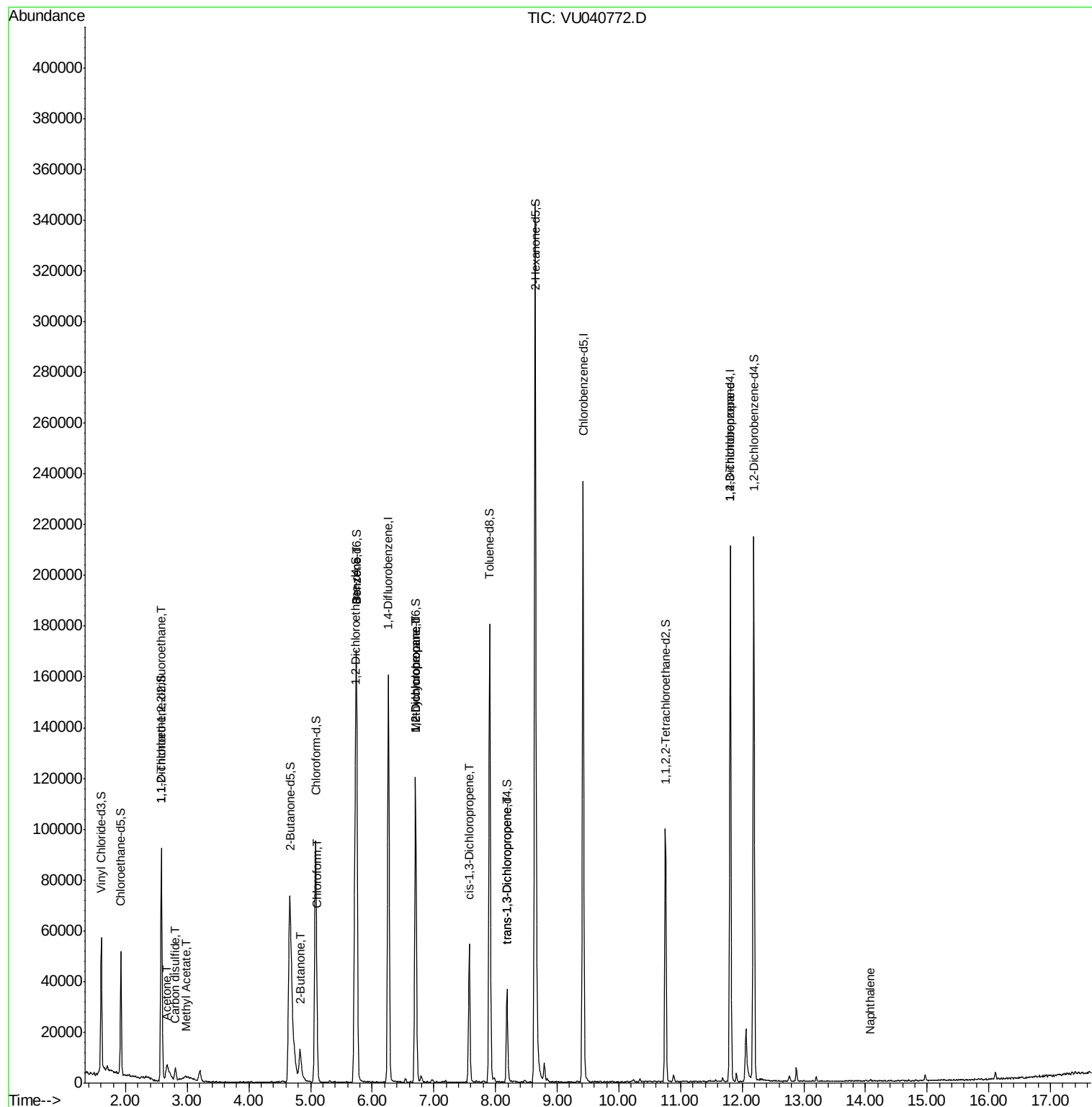
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	453	0.045	ug/L #	20
13) Acetone	2.67	43	7496	3.042	ug/L	66
14) Carbon disulfide	2.81	76	6766	0.283	ug/L	98
15) Methyl Acetate	2.97	43	768	0.137	ug/L #	88
21) 2-Butanone	4.83	43	20643	5.374	ug/L #	54
25) Chloroform	5.11	83	2848	0.151	ug/L	99
33) Benzene	5.75	78	1207	0.030	ug/L	100
35) Methylcyclohexane	6.71	83	12621	0.849	ug/L #	14
37) 1,2-Dichloropropane	6.71	63	6572	0.583	ug/L #	87
39) cis-1,3-Dichloropropene	7.57	75	1420	0.092	ug/L #	83
44) trans-1,3-Dichloropropene	8.18	75	972	0.069	ug/L	90
59) 1,2,3-Trichloropropane	11.81	75	7255	0.876	ug/L	89
69) Naphthalene	14.08	128	826	0.055	ug/L #	69

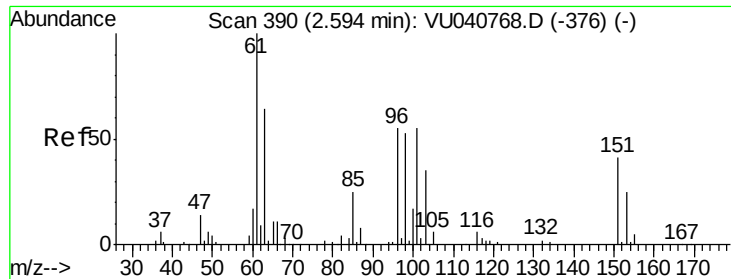
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.045 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040772.D

Acq: 17 Oct 2020 19:19

Instrument :

MSVOA_U

ClientSampleId :

BG195

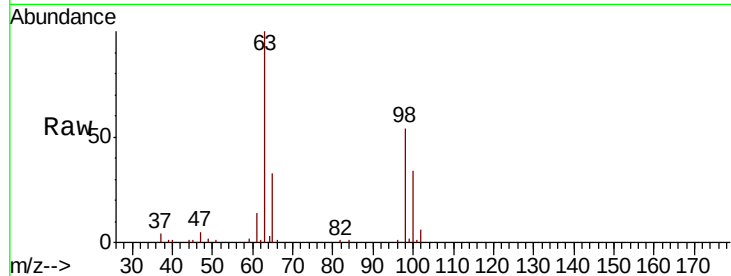
Tot Ion:101 Resp: 453

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): VU040772.D (-386) (-)

Ion 85.00 (84.70 to 85.70): VU040772.D (-386) (-)

Ion 151.00 (150.70 to 151.70): VU040772.D (-386) (-)

2.58

300

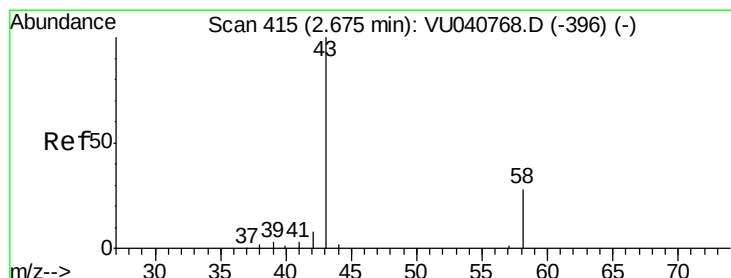
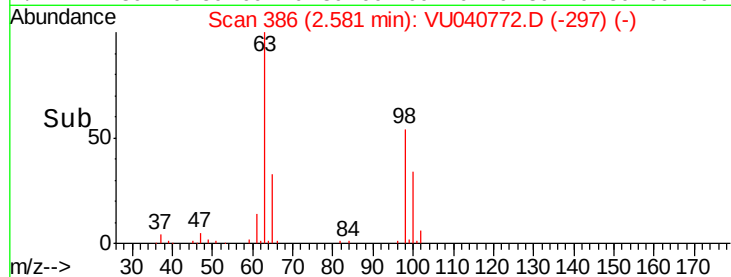
200

100

0

2.54 2.56 2.58 2.60

Time-->



#13

Acetone

Concen: 3.042 ug/L

RT: 2.67 min Scan# 413

Delta R.T. -0.01 min

Lab File: VU040772.D

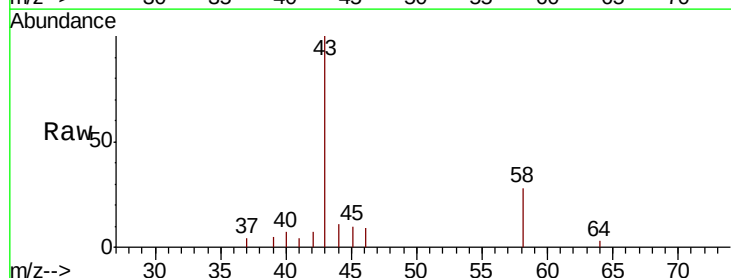
Acq: 17 Oct 2020 19:19

Tgt Ion: 43 Resp: 7496

Ion Ratio Lower Upper

43 100

58 48.9 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040772.D (-413) (-)

Ion 58.05 (57.75 to 58.75): VU040772.D (-413) (-)

2.67

4000

3000

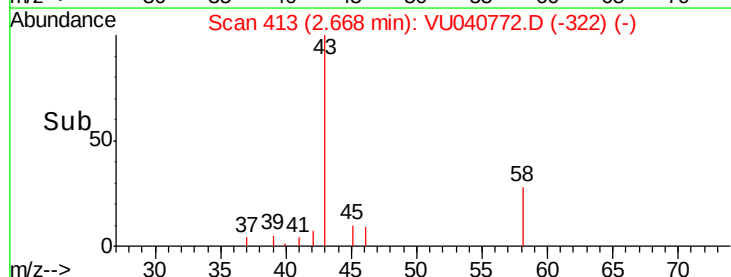
2000

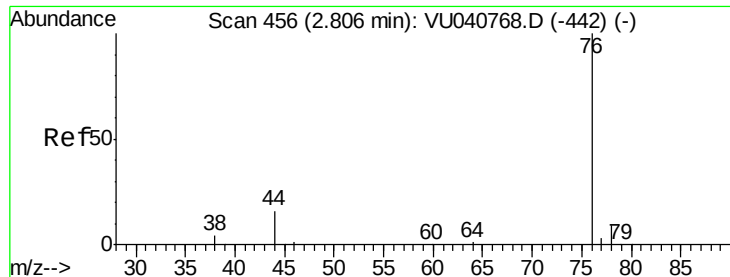
1000

0

2.60 2.65 2.70

Time-->





#14

Carbon disulfide

Concen: 0.283 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU040772.D

Acq: 17 Oct 2020 19:19

Instrument :

MSVOA_U

ClientSampleId :

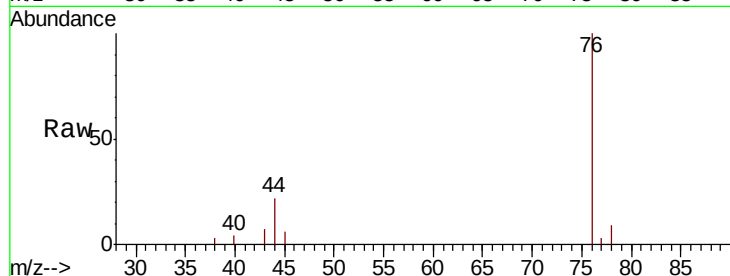
BG195

Tot Ion: 76 Resp: 6766

Ion Ratio Lower Upper

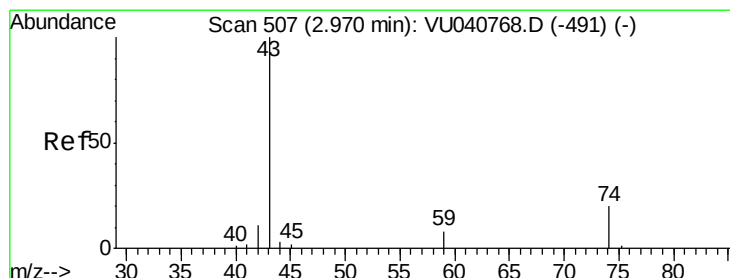
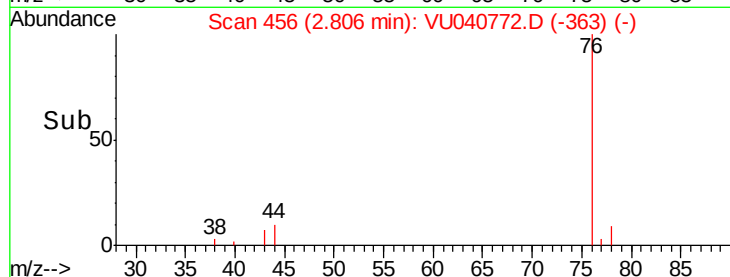
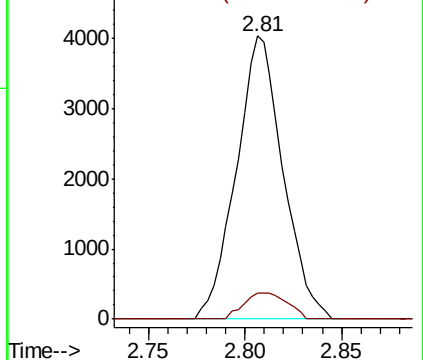
76 100

78 9.2 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VU0

Ion 78.00 (77.70 to 78.70): VU0



#15

Methyl Acetate

Concen: 0.137 ug/L

RT: 2.97 min Scan# 508

Delta R.T. 0.00 min

Lab File: VU040772.D

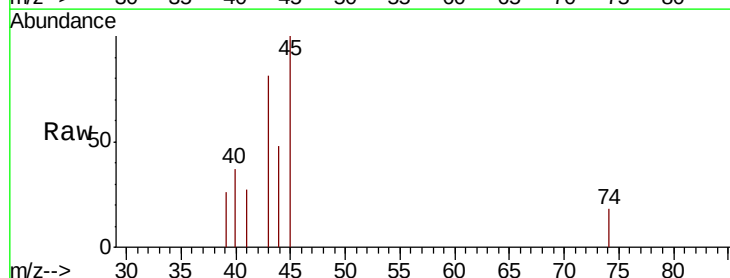
Acq: 17 Oct 2020 19:19

Tgt Ion: 43 Resp: 768

Ion Ratio Lower Upper

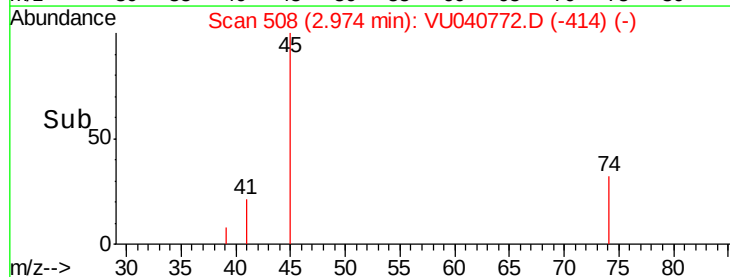
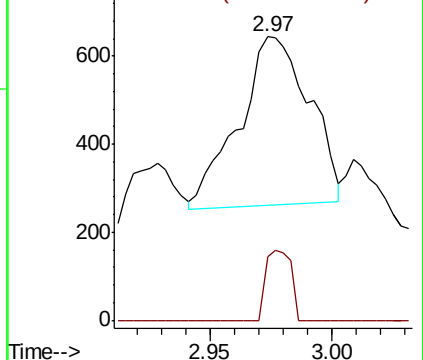
43 100

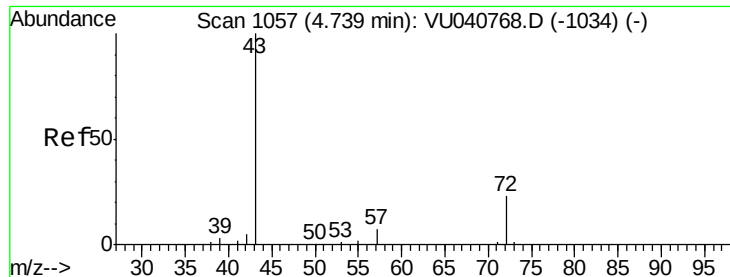
74 14.8 16.5 24.7#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0

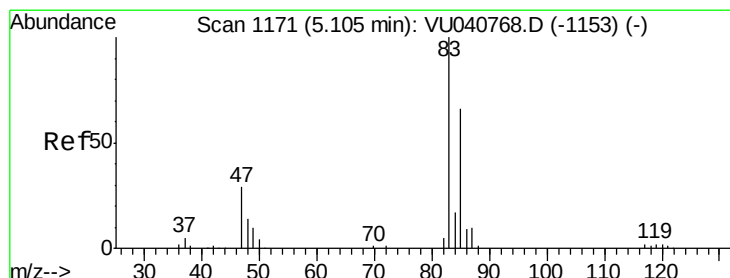
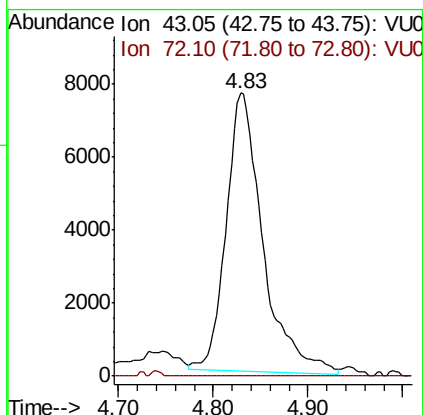
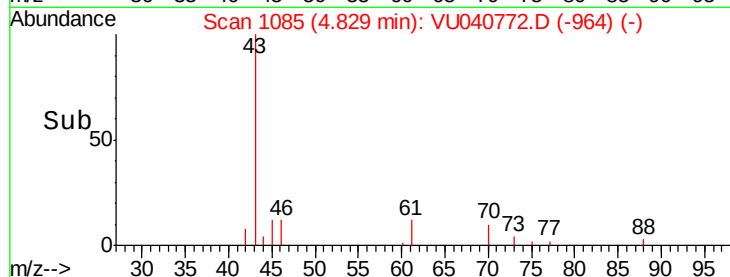
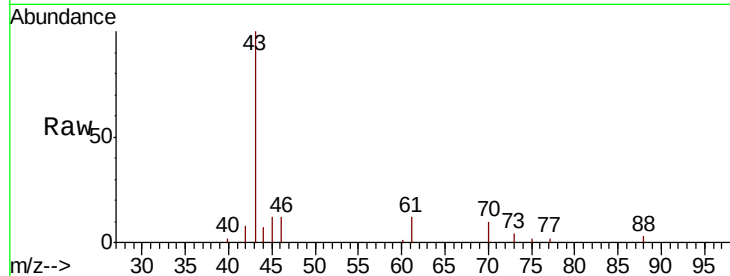




#21
 2-Butanone
 Concen: 5.374 ug/L
 RT: 4.83 min Scan# 1085
 Delta R.T. 0.09 min
 Lab File: VU040772.D
 Acq: 17 Oct 2020 19:19

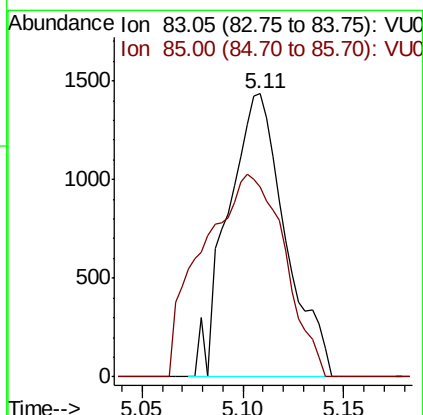
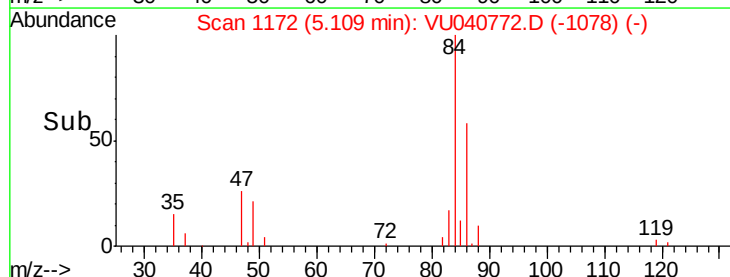
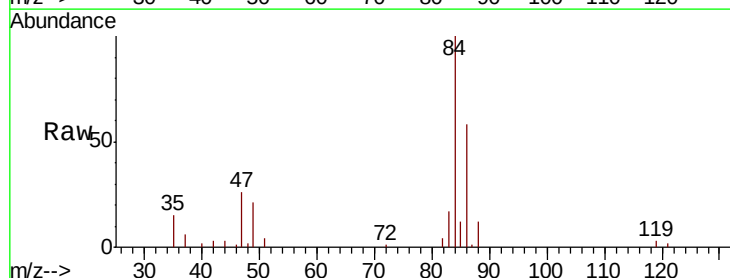
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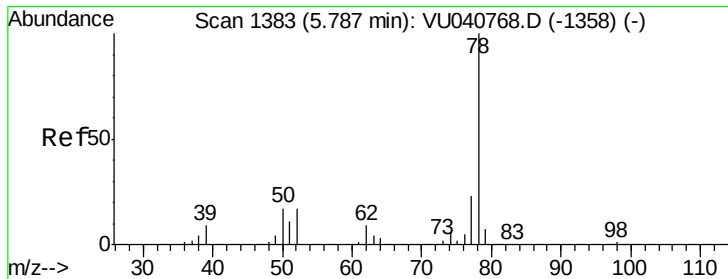
Tot Ion: 43 Resp: 20643
 Ion Ratio Lower Upper
 43 100
 72 0.4 11.4 34.2#



#25
 Chloroform
 Concen: 0.151 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU040772.D
 Acq: 17 Oct 2020 19:19

Tgt Ion: 83 Resp: 2848
 Ion Ratio Lower Upper
 83 100
 85 67.2 46.5 86.5





#33

Benzene

Concen: 0.030 ug/L

RT: 5.75 min Scan# 1372

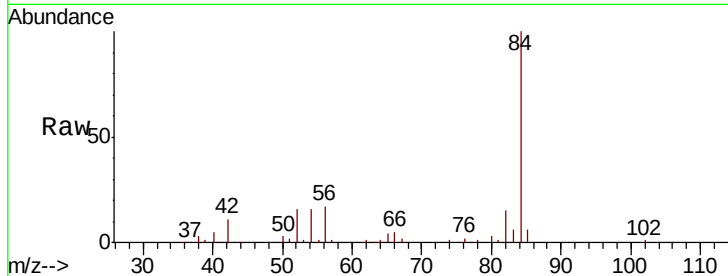
Delta R.T. -0.04 min

Lab File: VU040772.D

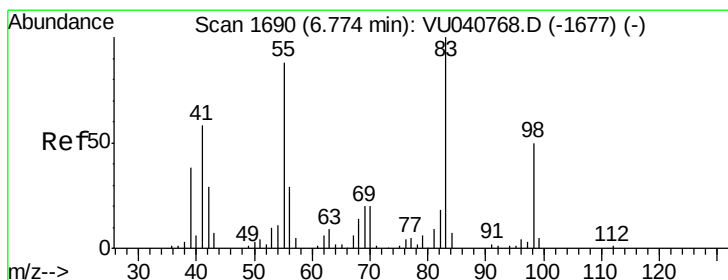
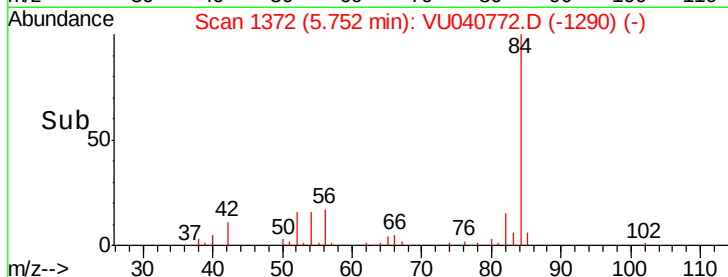
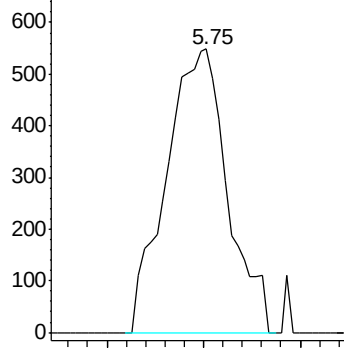
Acq: 17 Oct 2020 19:19

Instrument :
MSVOA_U
ClientSampled :
BG195

Tgt Ion: 78 Resp: 1207



Abundance Ion 78.10 (77.80 to 78.80): VU0



#35

Methylcyclohexane

Concen: 0.849 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.07 min

Lab File: VU040772.D

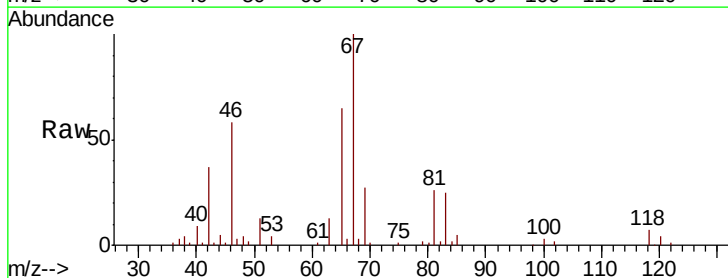
Acq: 17 Oct 2020 19:19

Tgt Ion: 83 Resp: 12621

Ion	Ratio	Lower	Upper
83	100		

55	0.0	70.7	106.1#
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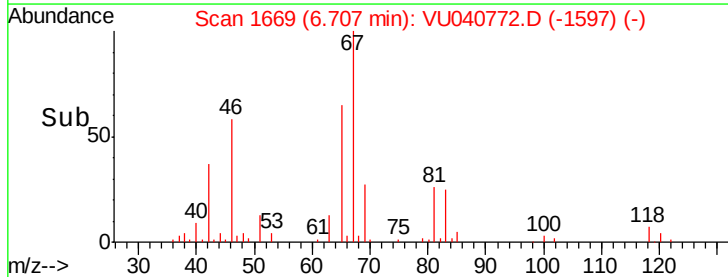
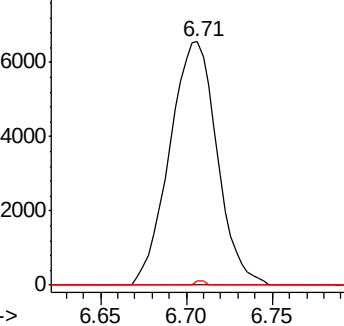
98	0.4	38.4	57.6#
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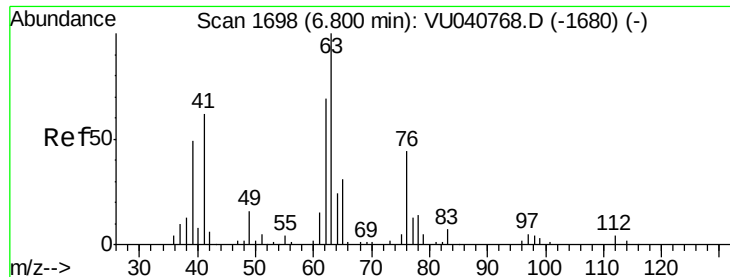


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

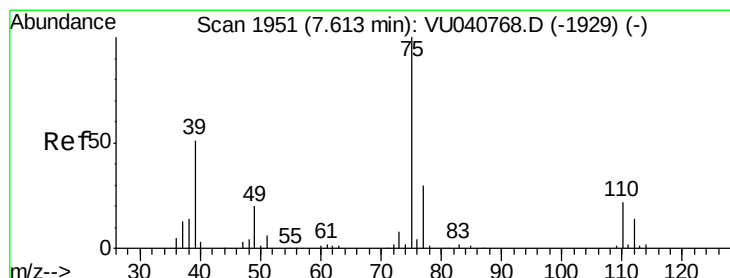
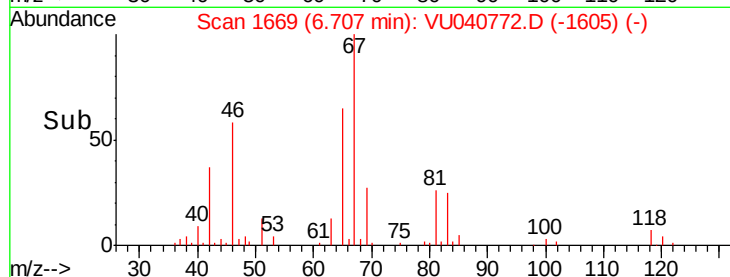
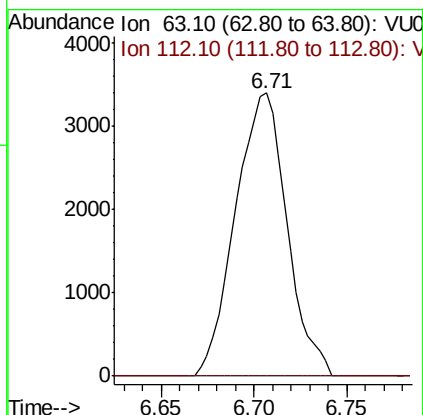
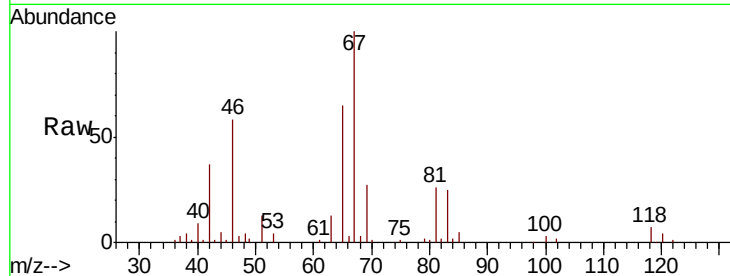




#37
 1,2-Dichloropropane
 Concen: 0.583 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.09 min
 Lab File: VU040772.D
 Acq: 17 Oct 2020 19:19

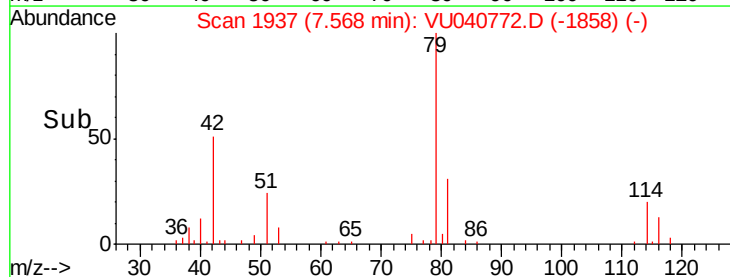
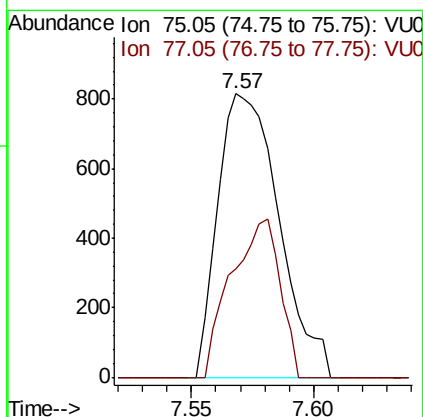
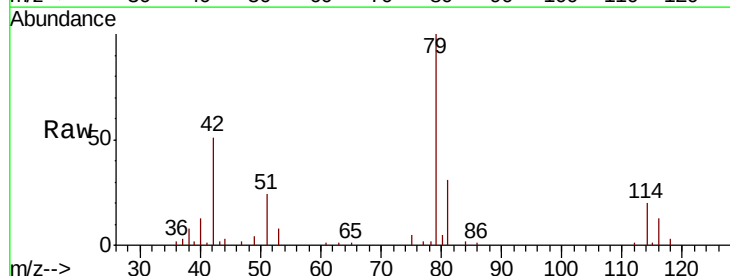
Instrument :
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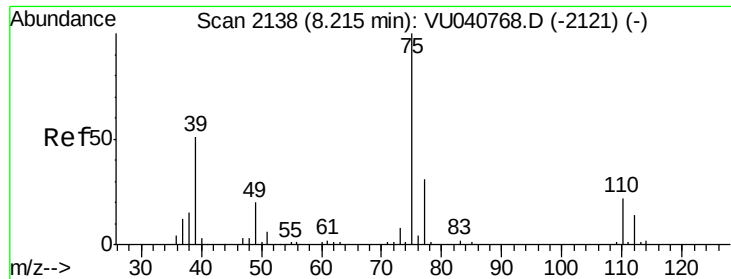
Tot Ion: 63 Resp: 6572
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.092 ug/L
 RT: 7.57 min Scan# 1937
 Delta R.T. -0.05 min
 Lab File: VU040772.D
 Acq: 17 Oct 2020 19:19

Tgt Ion: 75 Resp: 1420
 Ion Ratio Lower Upper
 75 100
 77 38.3 20.5 38.1#





#44

trans-1,3-Dichloropropene

Concen: 0.069 ug/L

RT: 8.18 min Scan# 2127

Delta R.T. -0.04 min

Lab File: VU040772.D

Acq: 17 Oct 2020 19:19

Instrument :

MSVOA_U

ClientSampled :

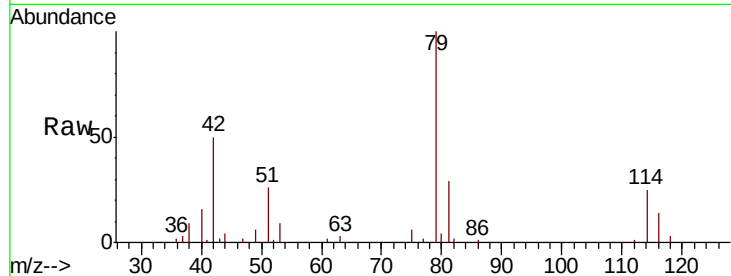
BG195

Tot Ion: 75 Resp: 972

Ion Ratio Lower Upper

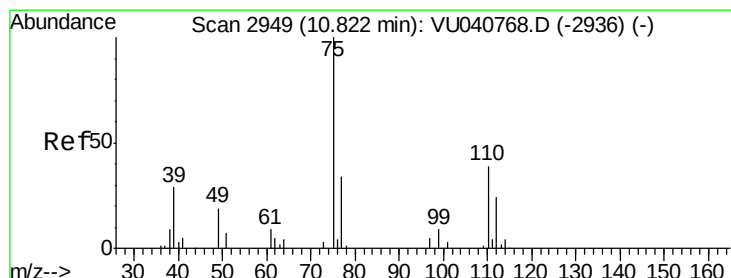
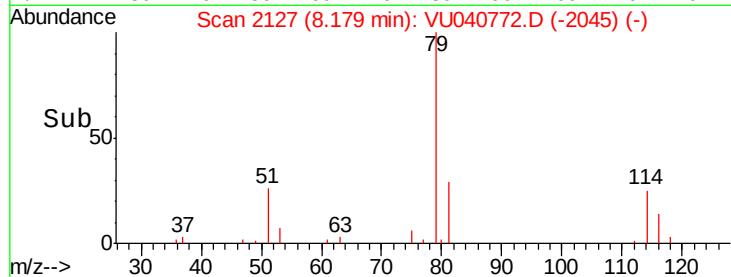
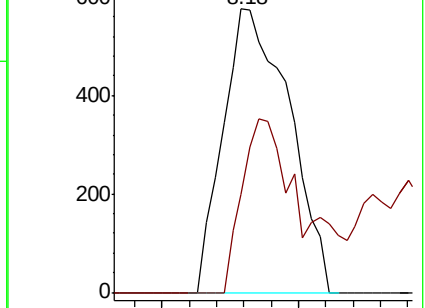
75 100

77 34.5 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: 0.876 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040772.D

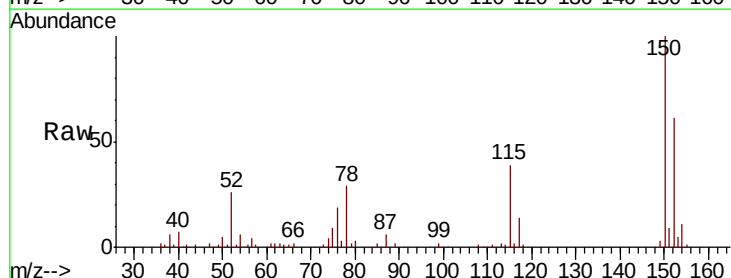
Acq: 17 Oct 2020 19:19

Tgt Ion: 75 Resp: 7255

Ion Ratio Lower Upper

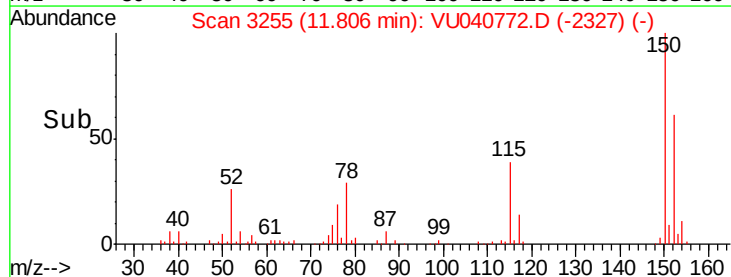
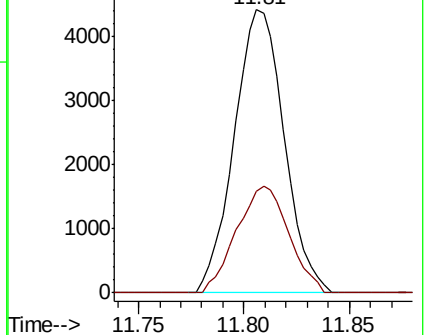
75 100

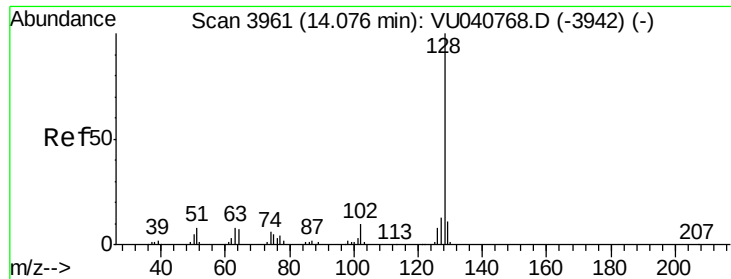
77 39.4 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.055 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.01 min

Lab File: VU040772.D

Acq: 17 Oct 2020 19:19

Instrument :

MSVOA_U

ClientSampleId :

BG195

Tot Ion:128 Resp: 826

Ion Ratio Lower Upper

128 100

129 0.0 9.0 13.4#

127 0.0 10.2 15.4#

