

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039670.D
 Acq On : 24 Jul 2020 17:39
 Operator : SY/MD
 Sample : L3422-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:50:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 25 06:47:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	207091	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	196487	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	92466	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	49858	36.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.96%
7) Chloroethane-d5	1.92	69	59057	36.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.10%
11) 1,1-Dichloroethene-d2	2.58	63	103440	36.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.50%
21) 2-Butanone-d5	4.65	46	134720	86.56	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.56%
24) Chloroform-d	5.09	84	123563	40.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.52%
26) 1,2-Dichloroethane-d4	5.72	65	89074	41.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.22%
32) Benzene-d6	5.75	84	234752	43.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.06%
36) 1,2-Dichloropropane-d6	6.71	67	78352	43.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.60%
41) Toluene-d8	7.91	98	215182	41.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.82%
43) trans-1,3-Dichloropropene-	8.19	79	36542	40.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.94%
47) 2-Hexanone-d5	8.64	63	84431	86.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.51%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	119545	42.19	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.38%
64) 1,2-Dichlorobenzene-d4	12.19	152	88063	43.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.10%

Target Compounds

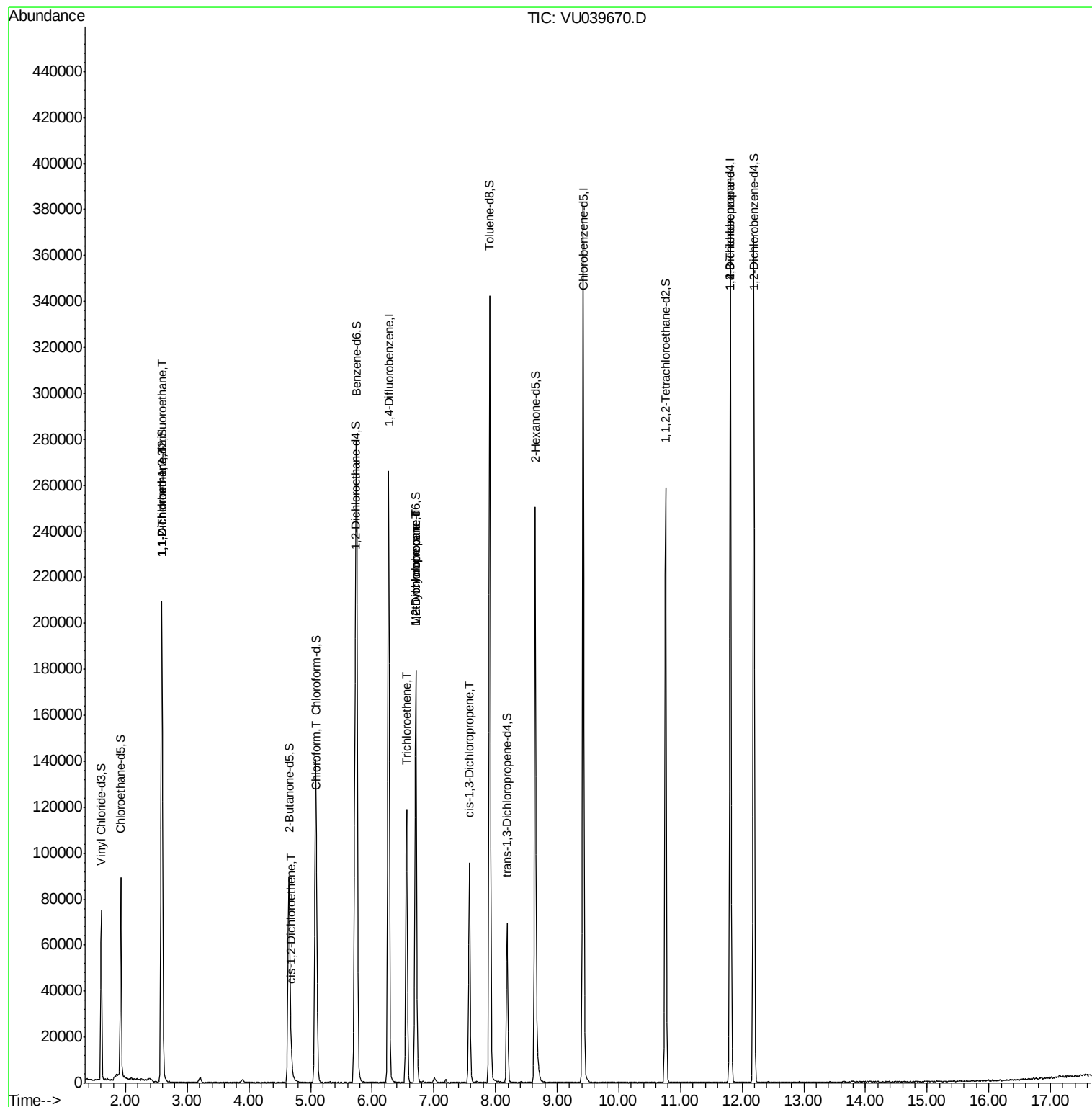
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	1397	1.103	ug/L	90
12) 1,1-Dichloroethene	2.59	96	33431	28.298	ug/L	84
20) cis-1,2-Dichloroethene	4.69	96	1589	1.058	ug/L	66
25) Chloroform	5.11	83	3375	1.186	ug/L	86
34) Trichloroethene	6.56	95	36847	25.725	ug/L	98
35) Methylcyclohexane	6.71	83	18424	8.319	ug/L #	18
37) 1,2-Dichloropropane	6.71	63	10072	6.870	ug/L #	89
39) cis-1,3-Dichloropropene	7.58	75	2833	1.293	ug/L #	60
59) 1,2,3-Trichloropropane	11.81	75	12005	5.643	ug/L #	77

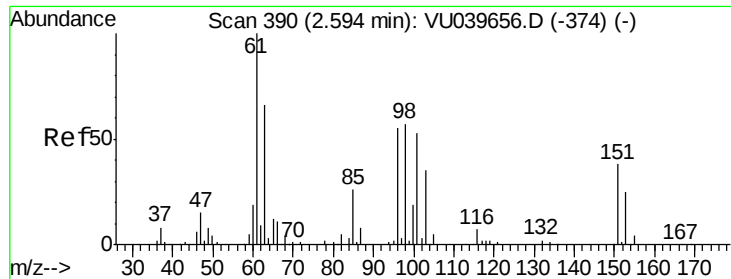
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jul 25 06:47:25 2020
Response via : Initial Calibration





#10

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

Concen: 1.103 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039670.D

Acq: 24 Jul 2020 17:39

Instrument :

MSVOA_U

ClientSampled :

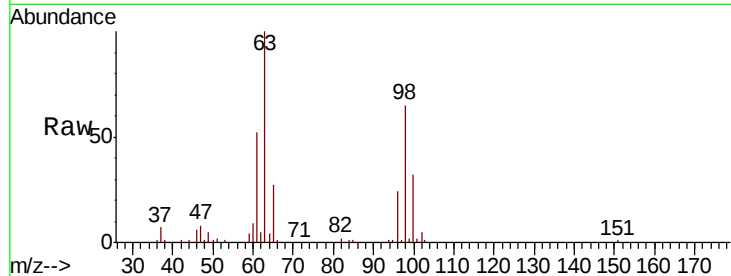
Tot Ion:101 Resp: 1397

Ion Ratio Lower Upper

101 100

85 47.0 39.7 59.5

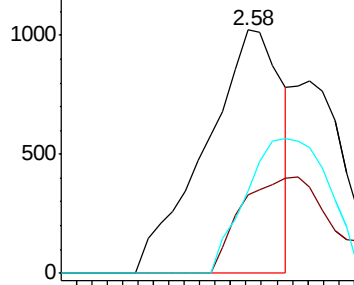
151 59.8 57.4 86.2



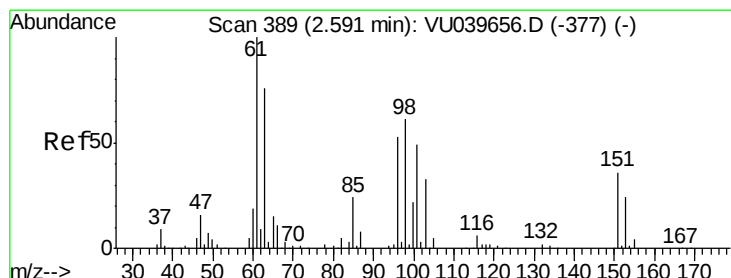
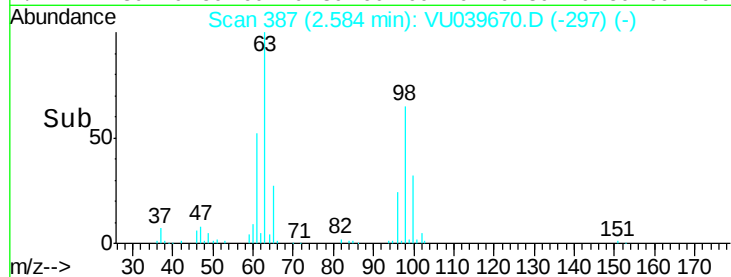
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



Time-->



#12

1,1-Dichloroethene

Concen: 28.298 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039670.D

Acq: 24 Jul 2020 17:39

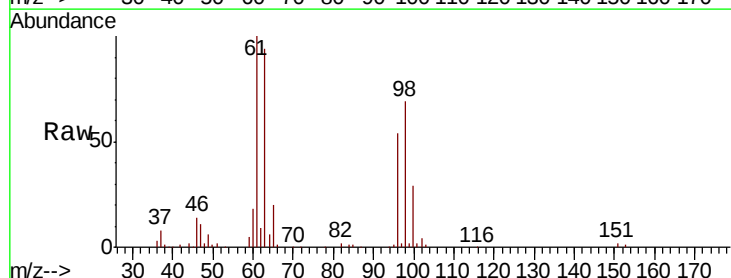
Tgt Ion: 96 Resp: 33431

Ion Ratio Lower Upper

96 100

61 183.7 136.6 253.6

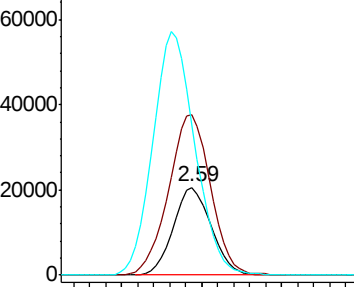
63 171.9 97.2 180.6



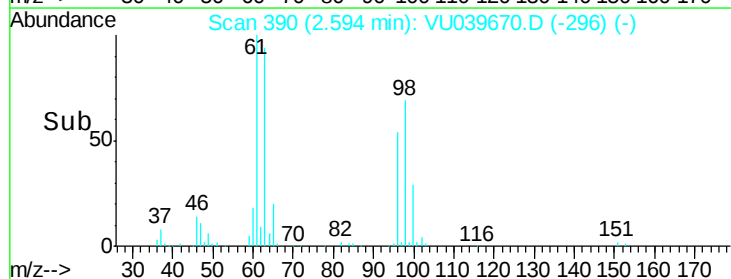
Abundance Ion 96.00 (95.70 to 96.70): VU0

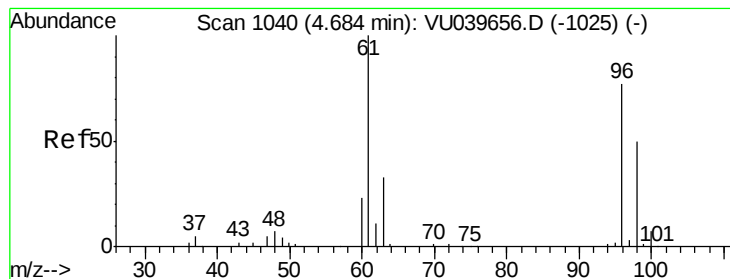
Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0



Time-->





#20

cis-1,2-Dichloroethene

Concen: 1.058 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU039670.D

Acq: 24 Jul 2020 17:39

Instrument :
MSVOA_U
ClientSampleId :

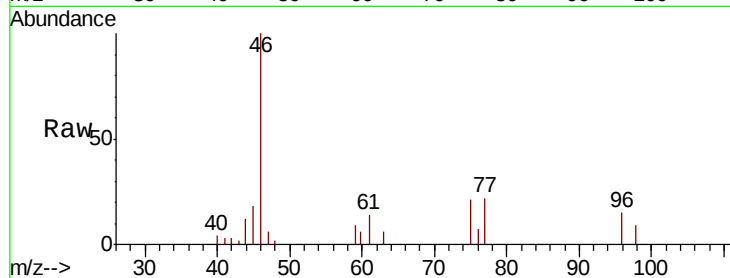
Tot Ion: 96 Resp: 1589

Ion Ratio Lower Upper

96 100

61 94.3 94.0 174.6

68 0.0 0.0 0.0

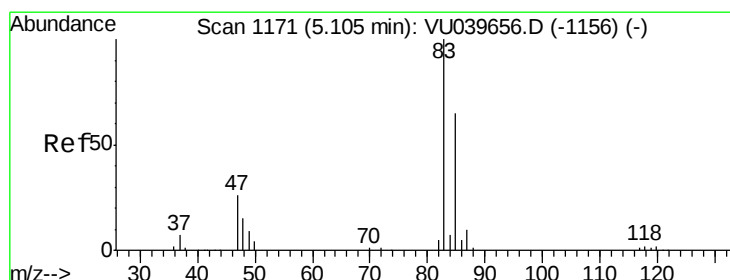
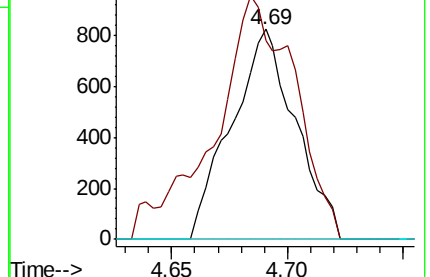
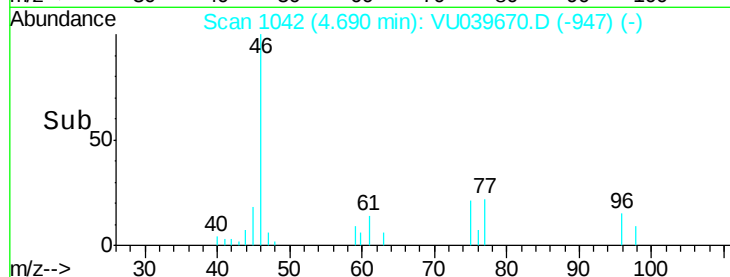


Abundance Ion 96.00 (95.70 to 96.70): VU039670.D (-947) (-)

Ion 61.00 (60.70 to 61.70): VU039670.D (-947) (-)

Ion 68.00 (67.70 to 68.70): VU039670.D (-947) (-)

Time-->



#25

Chloroform

Concen: 1.186 ug/L

RT: 5.11 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VU039670.D

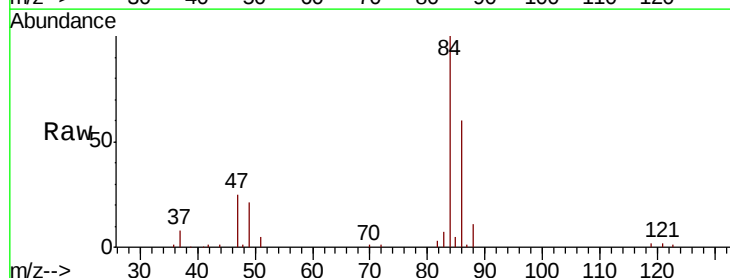
Acq: 24 Jul 2020 17:39

Tgt Ion: 83 Resp: 3375

Ion Ratio Lower Upper

83 100

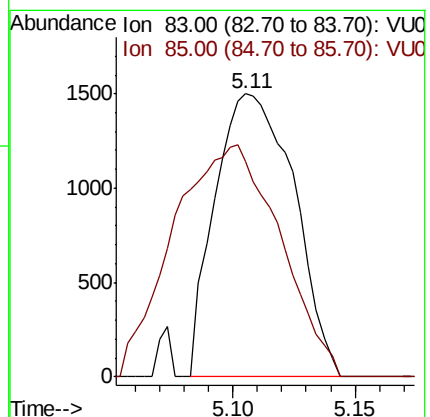
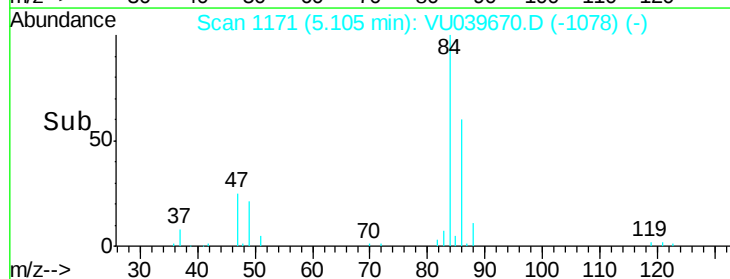
85 76.1 45.6 84.6

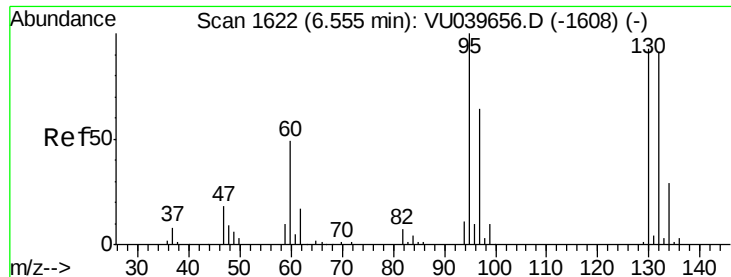


Abundance Ion 83.00 (82.70 to 83.70): VU039670.D (-1078) (-)

Ion 85.00 (84.70 to 85.70): VU039670.D (-1078) (-)

Time-->

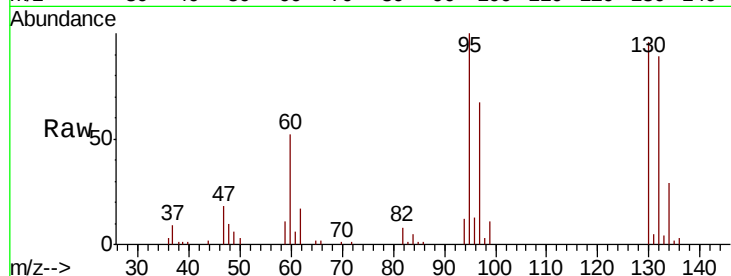




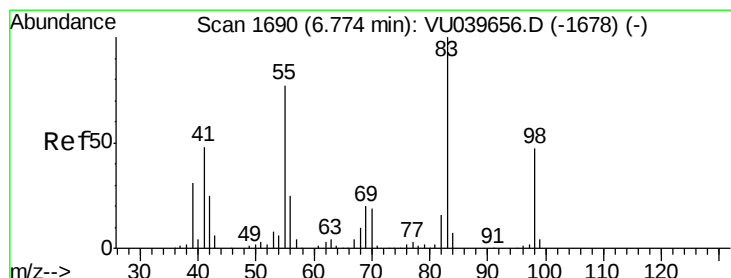
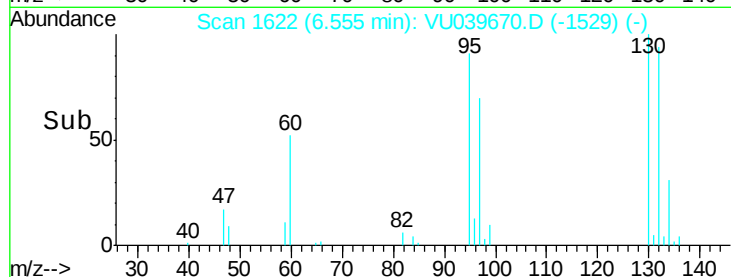
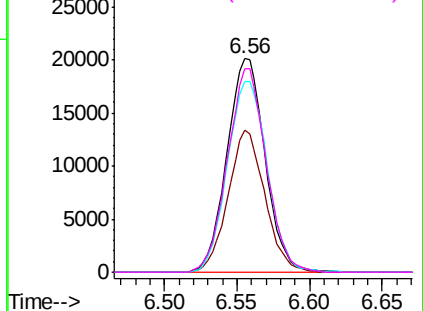
#34
 Trichloroethene
 Concen: 25.725 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039670.D
 Acq: 24 Jul 2020 17:39

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 36847
 Ion Ratio Lower Upper
 95 100
 97 66.5 45.5 84.5
 132 89.3 65.0 120.6
 130 95.5 67.9 126.1

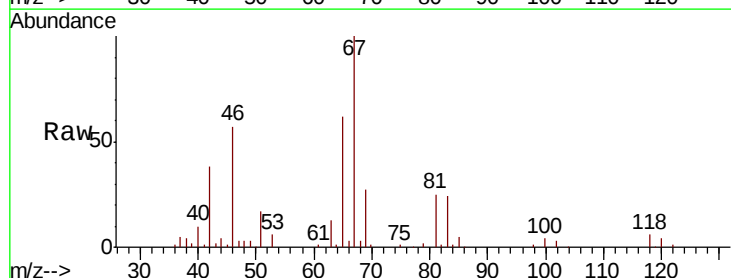


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

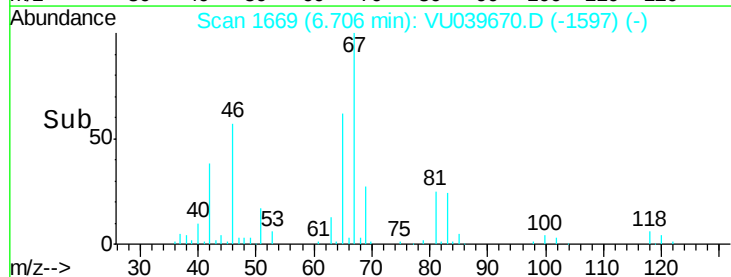
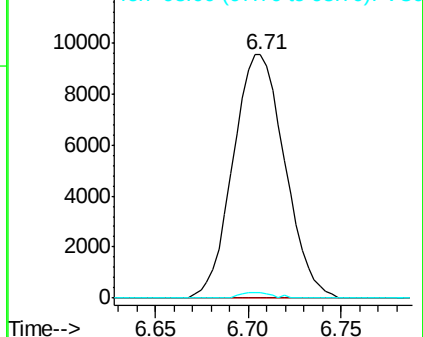


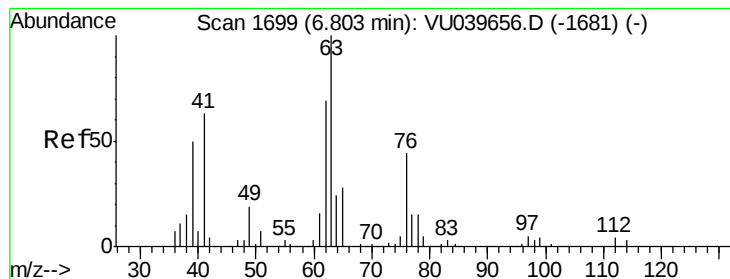
#35
 Methylcyclohexane
 Concen: 8.319 ug/L
 RT: 6.71 min Scan# 1669
 Delta R.T. -0.07 min
 Lab File: VU039670.D
 Acq: 24 Jul 2020 17:39

Tgt Ion: 83 Resp: 18424
 Ion Ratio Lower Upper
 83 100
 55 0.0 62.9 94.3#
 98 1.2 36.3 54.5#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 6.870 ug/L

RT: 6.71 min Scan# 1669

Delta R.T. -0.10 min

Lab File: VU039670.D

Acq: 24 Jul 2020 17:39

Instrument :

MSVOA_U

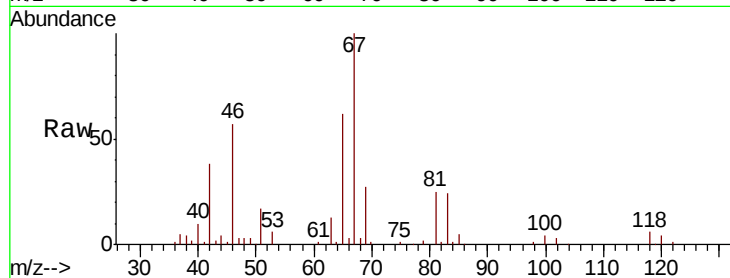
ClientSampleId :

Tot Ion: 63 Resp: 10072

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU039656.D (-1681) (-)

Ion 112.00 (111.70 to 112.70): VU039656.D (-1681) (-)

6000

5000

4000

3000

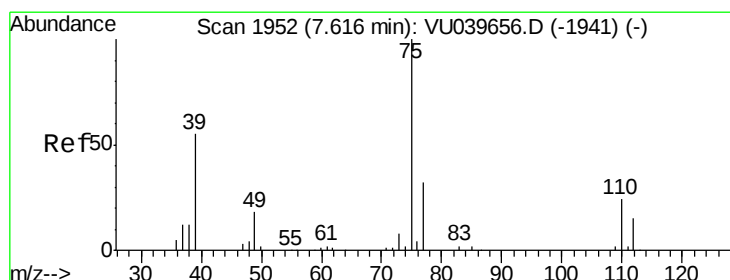
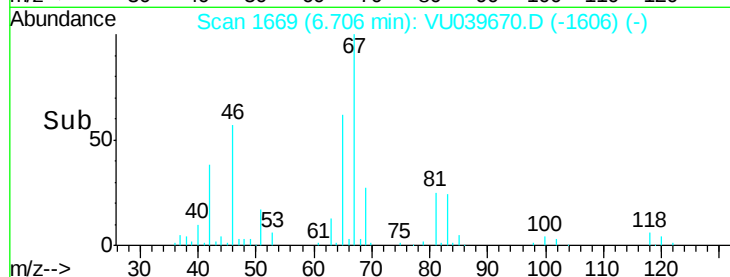
2000

1000

0

6.65 6.70 6.75

Time-->



#39

cis-1,3-Dichloropropene

Concen: 1.293 ug/L

RT: 7.58 min Scan# 1940

Delta R.T. -0.04 min

Lab File: VU039670.D

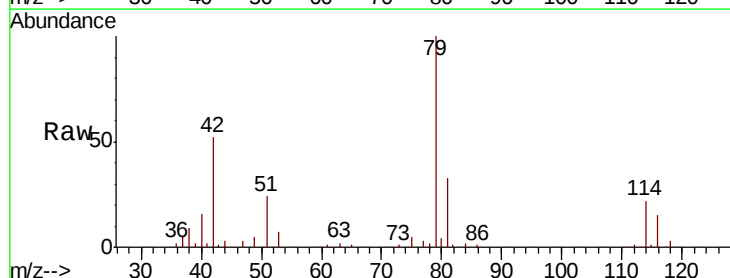
Acq: 24 Jul 2020 17:39

Tgt Ion: 75 Resp: 2833

Ion Ratio Lower Upper

75 100

77 53.3 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU039656.D (-1941) (-)

Ion 77.00 (76.70 to 77.70): VU039656.D (-1941) (-)

1500

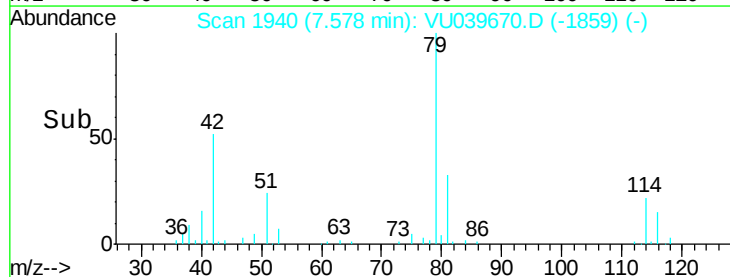
1000

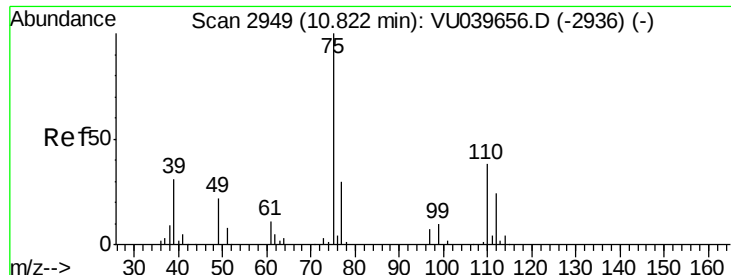
500

0

7.55 7.60

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.643 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039670.D

Acq: 24 Jul 2020 17:39

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 12005

Ion Ratio Lower Upper

75 100

77 44.4 25.4 38.2#

