

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072420\
 Data File : VU039669.D
 Acq On : 24 Jul 2020 17:17
 Operator : SY/MD
 Sample : L3422-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 25 06:50:50 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	206027	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	197834	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	92323	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	51116	38.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.22%
7) Chloroethane-d5	1.92	69	55243	34.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	68.74%#
11) 1,1-Dichloroethene-d2	2.58	63	111631	39.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.64%
21) 2-Butanone-d5	4.65	46	133099	85.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	85.96%
24) Chloroform-d	5.09	84	125838	41.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.44%
26) 1,2-Dichloroethane-d4	5.72	65	92213	42.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.56%
32) Benzene-d6	5.74	84	238926	43.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.00%
36) 1,2-Dichloropropane-d6	6.71	67	79651	44.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.44%
41) Toluene-d8	7.91	98	216266	41.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.68%
43) trans-1,3-Dichloropropene-	8.19	79	37052	40.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.50%
47) 2-Hexanone-d5	8.64	63	83844	85.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.32%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	120107	42.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	87522	43.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.70%

Target Compounds

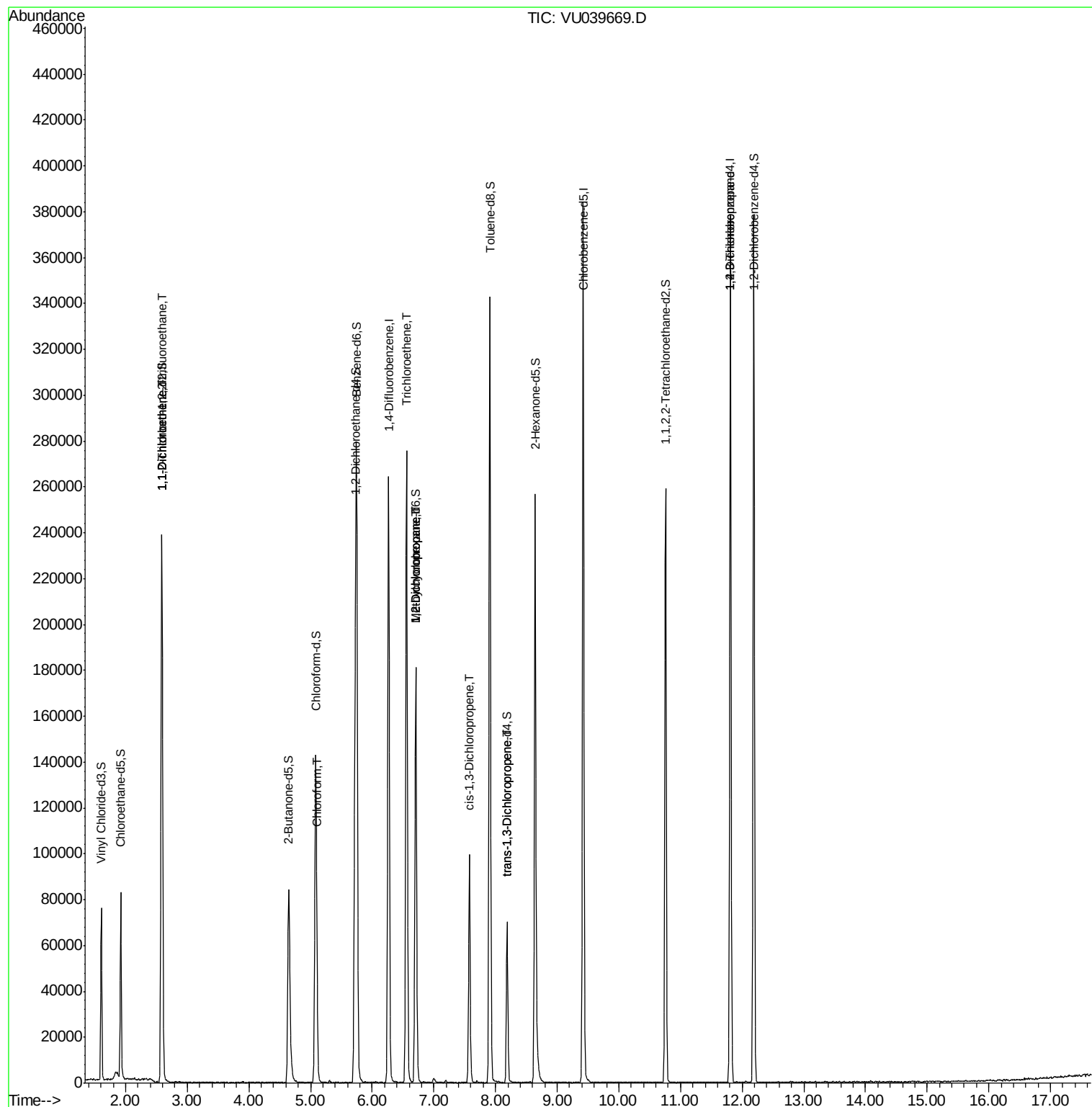
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1035	0.821	ug/L #	26
12) 1,1-Dichloroethene	2.59	96	42449	36.118	ug/L	92
25) Chloroform	5.11	83	3648	1.289	ug/L	80
34) Trichloroethene	6.56	95	89444	62.020	ug/L	96
35) Methylcyclohexane	6.71	83	18621	8.351	ug/L #	18
37) 1,2-Dichloropropane	6.70	63	9610	6.510	ug/L #	89
39) cis-1,3-Dichloropropene	7.57	75	3117	1.413	ug/L #	69
44) trans-1,3-Dichloropropene	8.19	75	2236	1.035	ug/L	93
59) 1,2,3-Trichloropropane	11.81	75	13061	6.098	ug/L	91

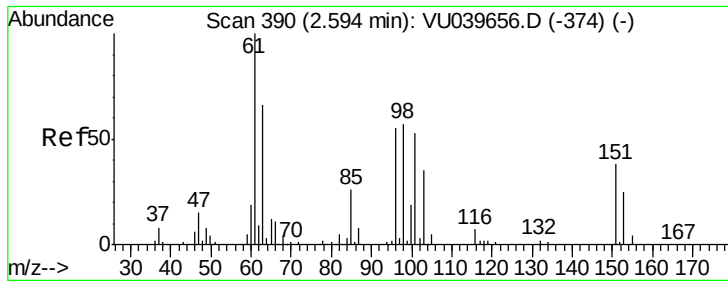
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
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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: 0.821 ug/L

RT: 2.59 min Scan# 388

Delta R.T. -0.01 min

Lab File: VU039669.D

Acq: 24 Jul 2020 17:17

Instrument :

MSVOA_U

ClientSampleId :

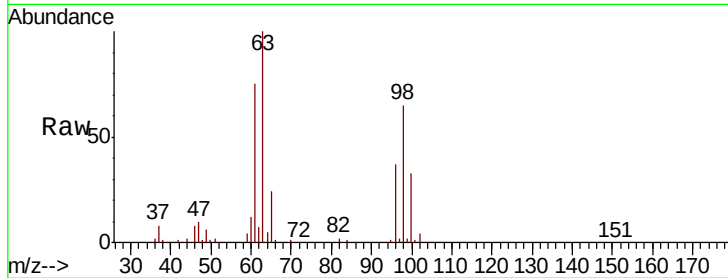
Tot Ion:101 Resp: 1035

Ion Ratio Lower Upper

101 100

85 0.0 39.7 59.5#

151 8.9 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

800

600

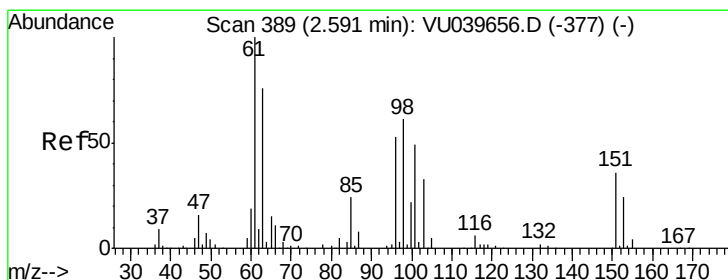
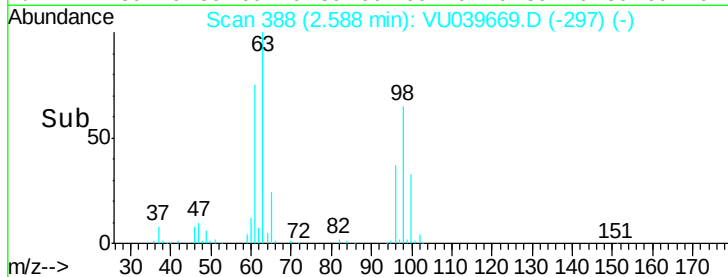
400

200

0

2.54 2.56 2.58 2.60 2.62

Time-->



#12

1,1-Dichloroethene

Concen: 36.118 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039669.D

Acq: 24 Jul 2020 17:17

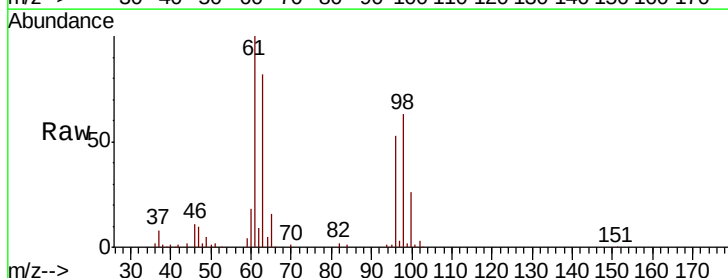
Tgt Ion: 96 Resp: 42449

Ion Ratio Lower Upper

96 100

61 190.5 136.6 253.6

63 156.9 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

80000

60000

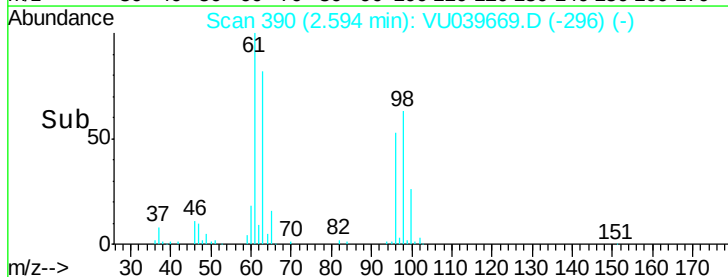
40000

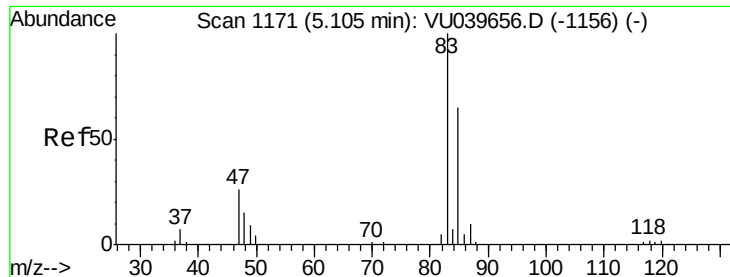
20000

0

2.55 2.60 2.65

Time-->





#25

Chloroform

Concen: 1.289 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039669.D

Acq: 24 Jul 2020 17:17

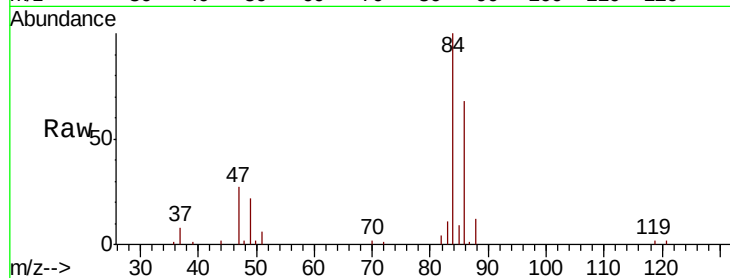
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 3648

Ion Ratio Lower Upper

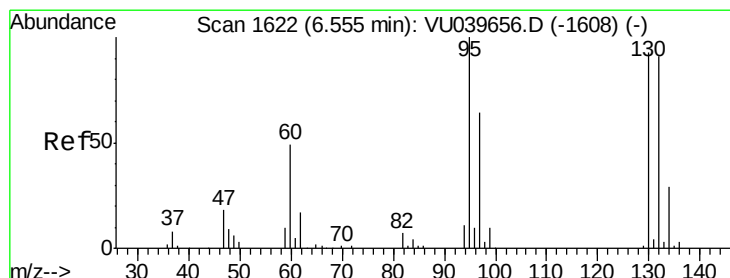
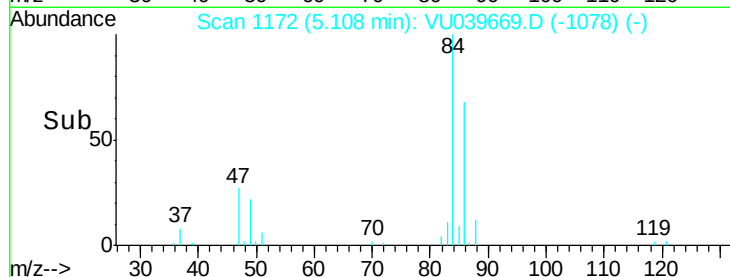
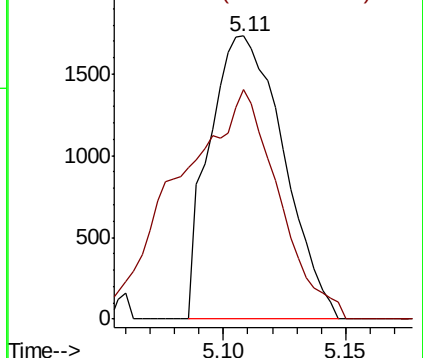
83 100

85 81.2 45.6 84.6



Abundance Ion 83.00 (82.70 to 83.70): VU039656.D (-1156) (-)

Ion 85.00 (84.70 to 85.70): VU039656.D (-1156) (-)



#34

Trichloroethene

Concen: 62.020 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. -0.00 min

Lab File: VU039669.D

Acq: 24 Jul 2020 17:17

Tgt Ion: 95 Resp: 89444

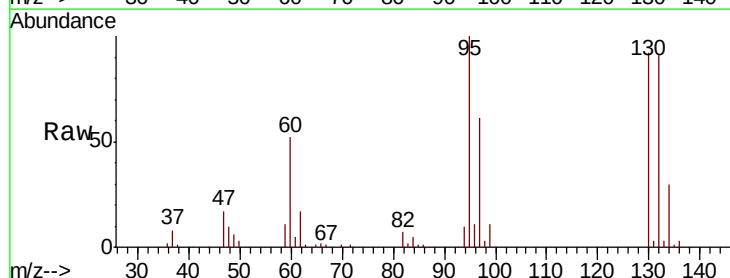
Ion Ratio Lower Upper

95 100

97 61.5 45.5 84.5

132 90.6 65.0 120.6

130 92.1 67.9 126.1

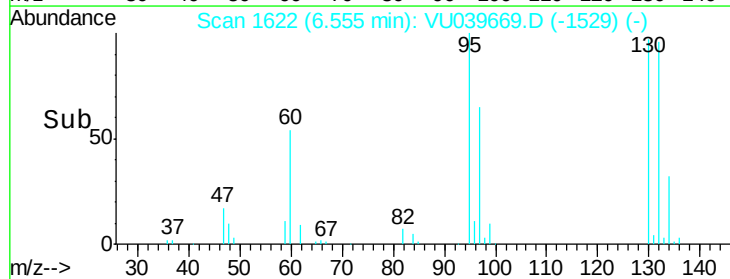
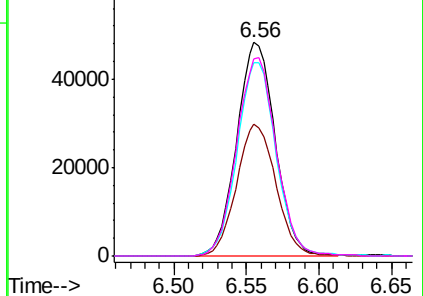


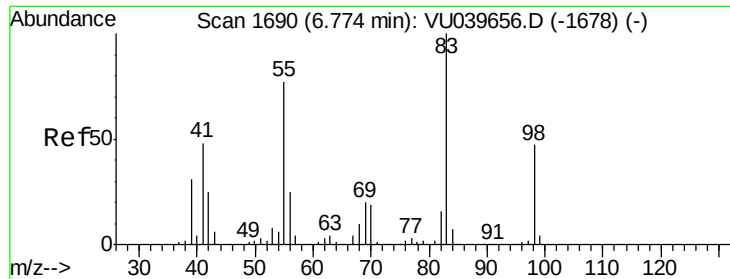
Abundance Ion 95.00 (94.70 to 95.70): VU039656.D (-1608) (-)

Ion 97.00 (96.70 to 97.70): VU039656.D (-1608) (-)

Ion 132.00 (131.70 to 132.70): VU039656.D (-1608) (-)

Ion 130.00 (129.70 to 130.70): VU039656.D (-1608) (-)

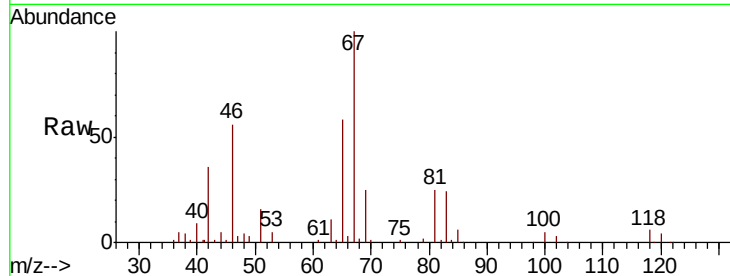




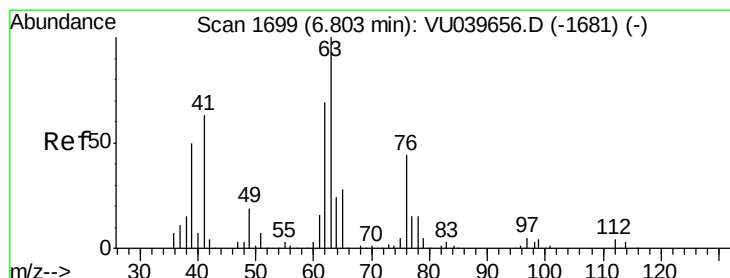
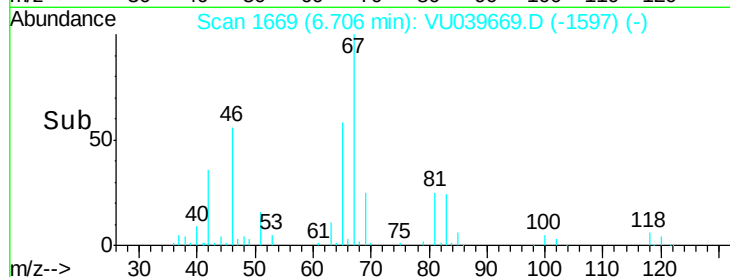
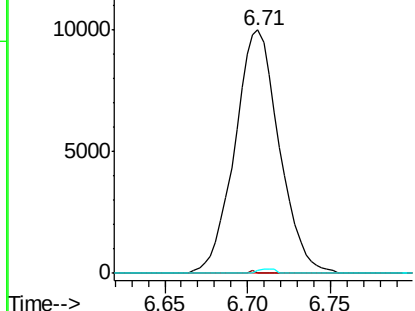
#35
Methylvlcyclohexane
Concen: 8.351 ug/L
RT: 6.71 min Scan# 1669
Delta R.T. -0.07 min
Lab File: VU039669.D
Acq: 24 Jul 2020 17:17

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 18621
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.6 36.3 54.5#

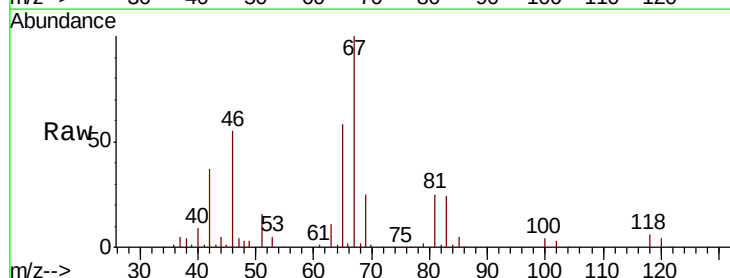


Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

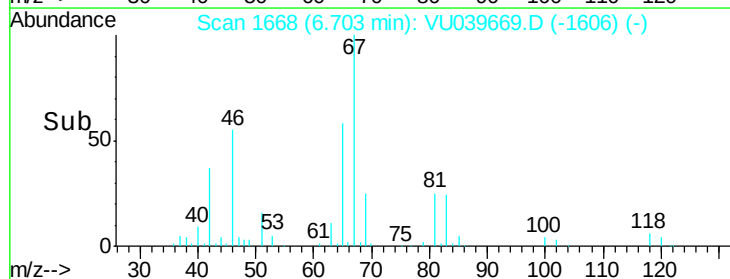
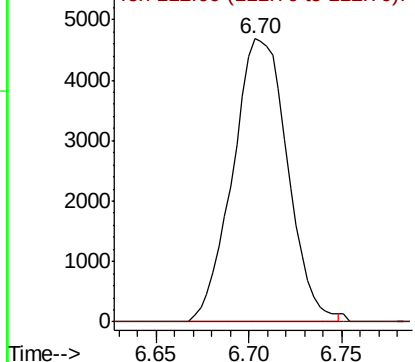


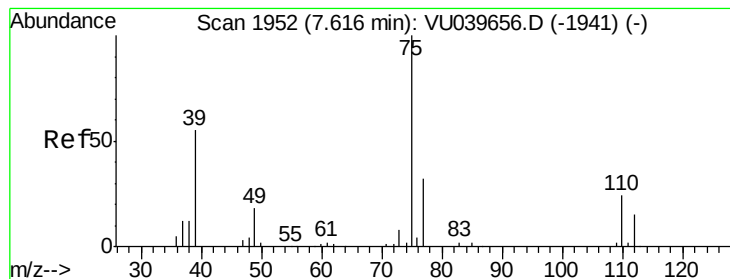
#37
1,2-Dichloropropane
Concen: 6.510 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU039669.D
Acq: 24 Jul 2020 17:17

Tgt Ion: 63 Resp: 9610
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VU0
Ion 112.00 (111.70 to 112.70): V





#39

cis-1,3-Dichloropropene

Concen: 1.413 ug/L

RT: 7.57 min Scan# 1939

Delta R.T. -0.04 min

Lab File: VU039669.D

Acq: 24 Jul 2020 17:17

Instrument :

MSVOA_U

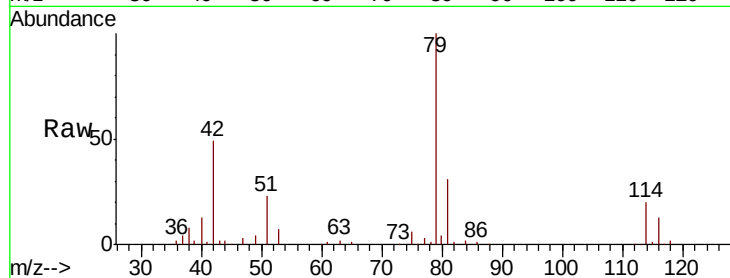
ClientSampleId :

Tot Ion: 75 Resp: 3117

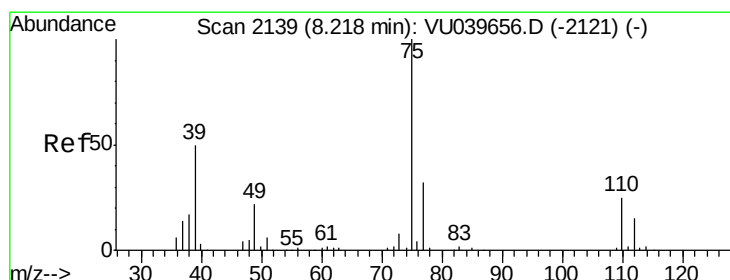
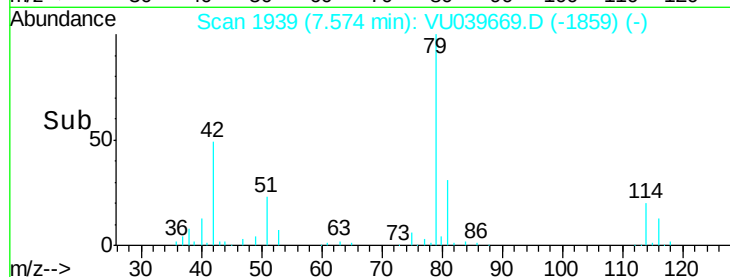
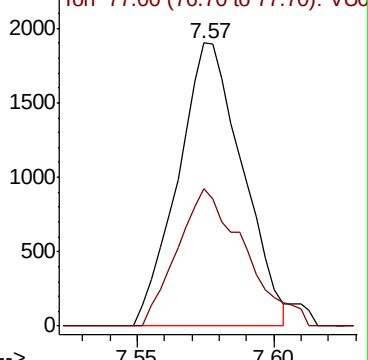
Ion Ratio Lower Upper

75 100

77 48.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU039669.D (-1859) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.035 ug/L

RT: 8.19 min Scan# 2129

Delta R.T. -0.03 min

Lab File: VU039669.D

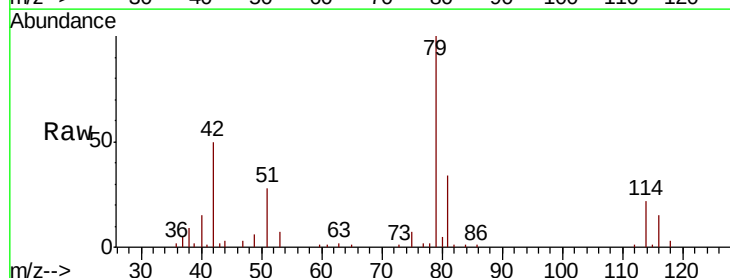
Acq: 24 Jul 2020 17:17

Tgt Ion: 75 Resp: 2236

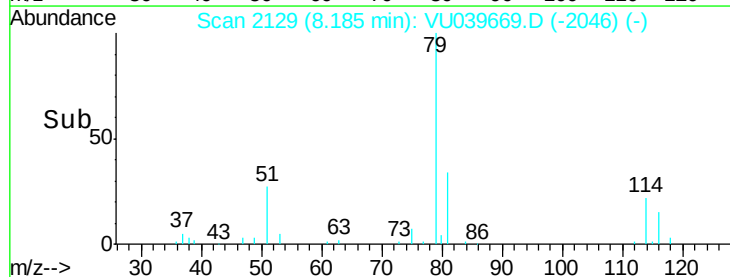
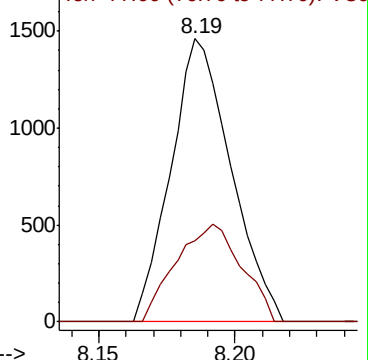
Ion Ratio Lower Upper

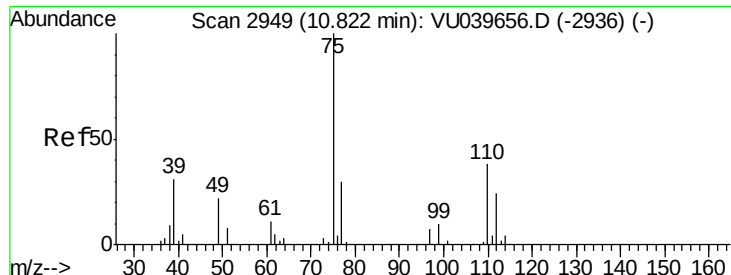
75 100

77 28.7 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039669.D (-2046) (-)





#59

1,2,3-Trichloropropane

Concen: 6.098 ug/L

RT: 11.81 min Scan# 3256

Delta R.T. 0.99 min

Lab File: VU039669.D

Acq: 24 Jul 2020 17:17

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 13061

Ion Ratio Lower Upper

75 100

77 36.7 25.4 38.2

