

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U081020\
 Data File : VU039831.D
 Acq On : 10 Aug 2020 18:11
 Operator : SY/MD
 Sample : L3578-01DL 10000X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Aug 11 05:00:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR080320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Aug 11 04:57:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	76359	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	75364	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	36188	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	22195	5.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.60%
7) Chloroethane-d5	1.92	69	22613	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	32780	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.66	46	85933	47.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.76%
24) Chloroform-d	5.08	84	44333	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.72	65	28700	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.75	84	88375	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.70	67	28727	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.91	98	72108	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	8.19	79	10254	4.35	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.00%
46) 2-Hexanone-d5	8.64	63	58959	46.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.56%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	26318	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	31734	5.12	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.40%

Target Compounds

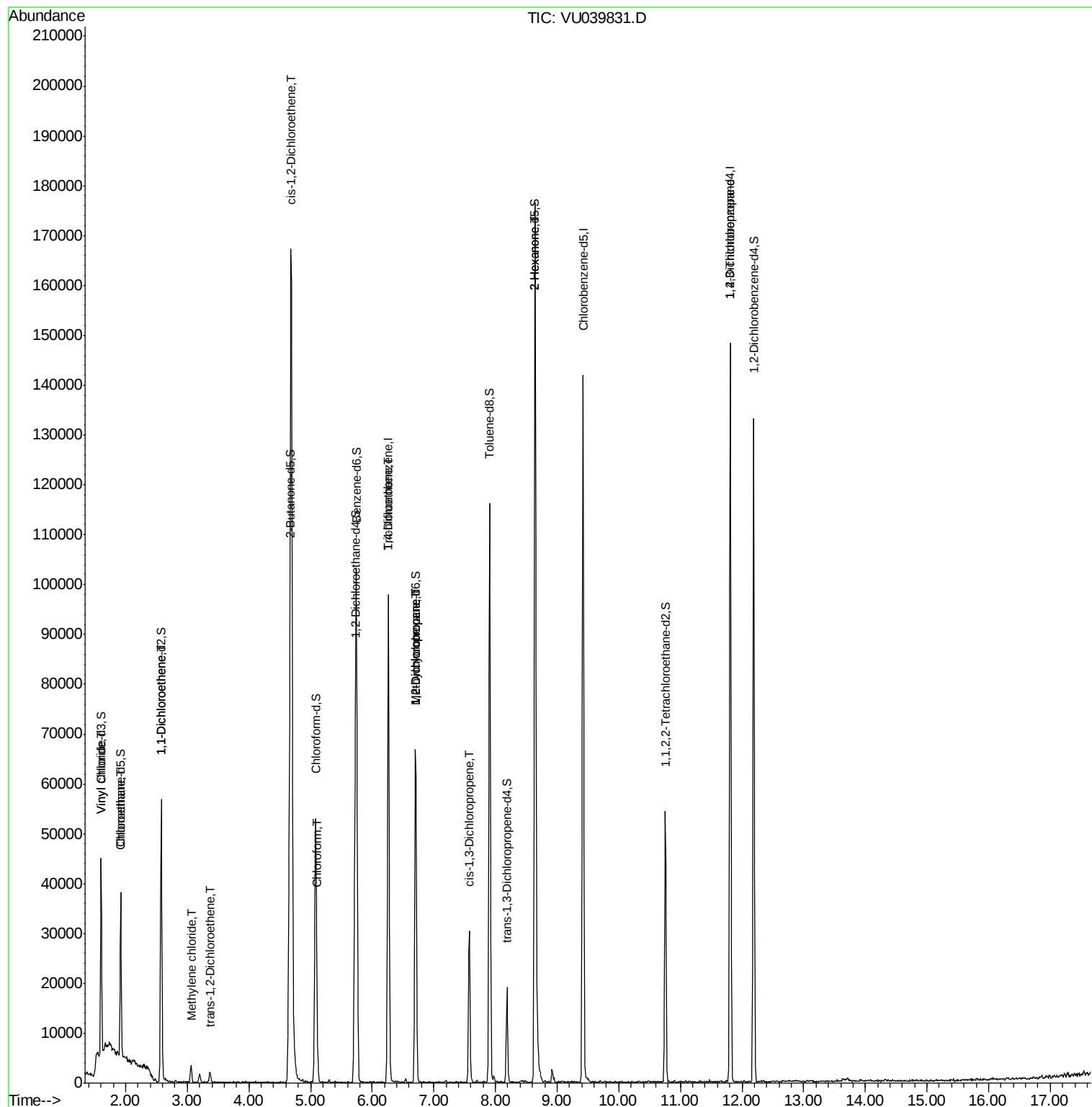
					Ovalue
5) Vinyl chloride	1.61	62	4326	0.697 ug/L #	1
8) Chloroethane	1.93	64	833	0.183 ug/L #	56
12) 1,1-Dichloroethene	2.58	96	330	0.072 ug/L #	1
16) Methylene chloride	3.06	84	1398	0.190 ug/L	91
18) trans-1,2-Dichloroethene	3.37	96	1003	0.198 ug/L	96
22) cis-1,2-Dichloroethene	4.69	96	69831	12.661 ug/L	95
25) Chloroform	5.11	83	2967	0.295 ug/L	85
34) Trichloroethene	6.27	95	1485	0.278 ug/L #	4
35) Methylcyclohexane	6.70	83	6923	0.813 ug/L #	19
37) 1,2-Dichloropropane	6.70	63	3583	0.657 ug/L #	86
39) cis-1,3-Dichloropropene	7.57	75	975	0.131 ug/L	93
48) 2-Hexanone	8.64	43	8754	2.974 ug/L #	69
59) 1,2,3-Trichloropropane	11.81	75	4978	1.265 ug/L #	88

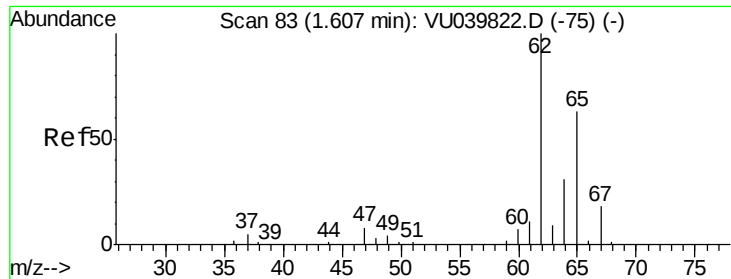
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.697 ug/L

RT: 1.61 min Scan# 83

Delta R.T. -0.00 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

Instrument :

MSVOA_U

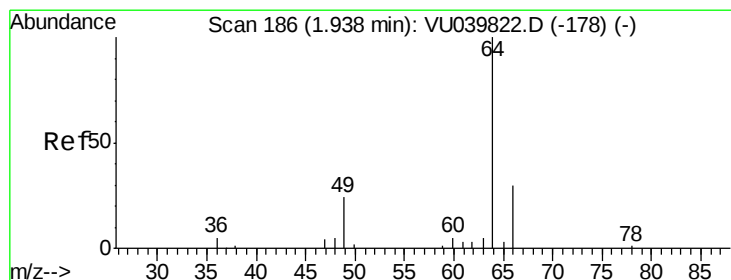
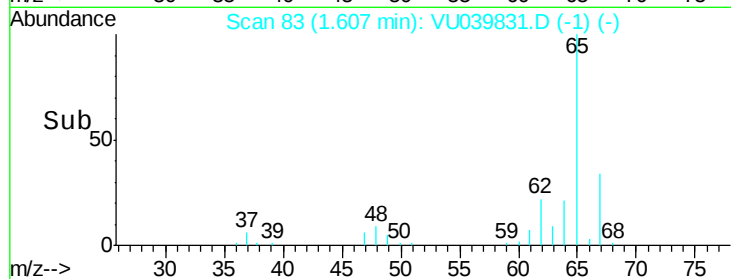
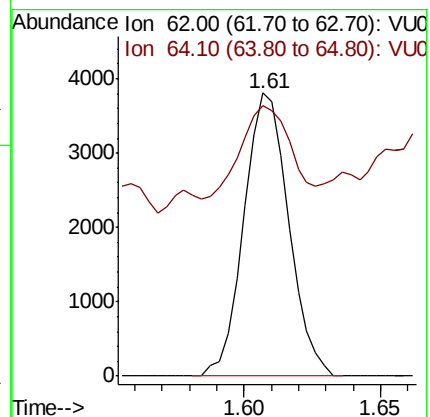
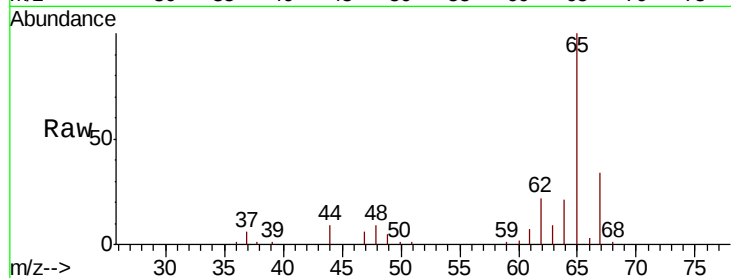
ClientSampleId :

Tot Ion: 62 Resp: 4326

Ion Ratio Lower Upper

62 100

64 95.6 24.1 44.7#



#8

Chloroethane

Concen: 0.183 ug/L

RT: 1.93 min Scan# 184

Delta R.T. -0.01 min

Lab File: VU039831.D

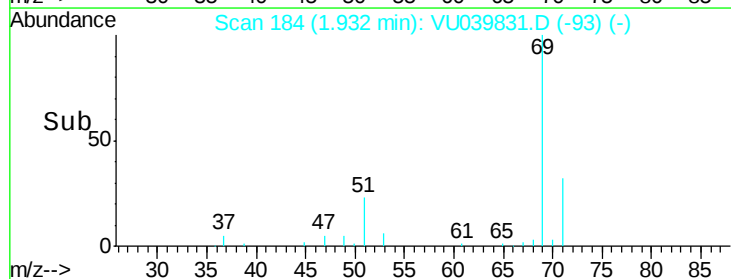
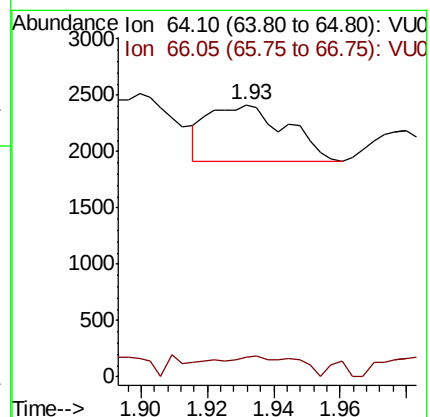
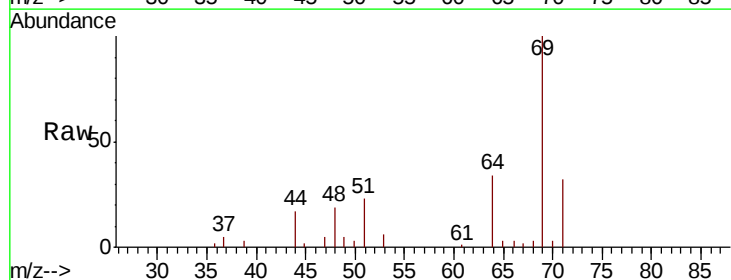
Acq: 10 Aug 2020 18:11

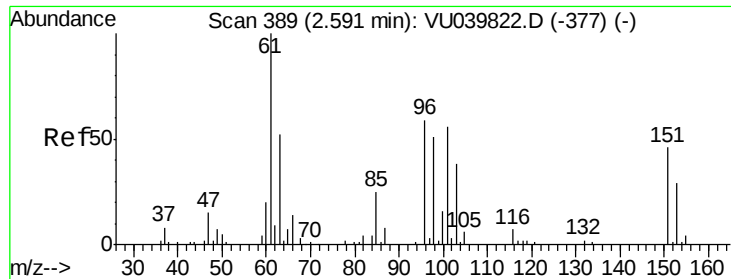
Tgt Ion: 64 Resp: 833

Ion Ratio Lower Upper

64 100

66 7.4 22.3 41.3#





#12

1,1-Dichloroethene

Concen: 0.072 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

Instrument :

MSVOA_U

ClientSampled :

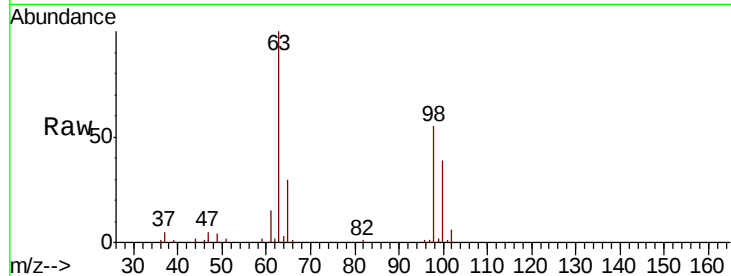
Tot Ion: 96 Resp: 330

Ion Ratio Lower Upper

96 100

61 1217.7 121.7 225.9#

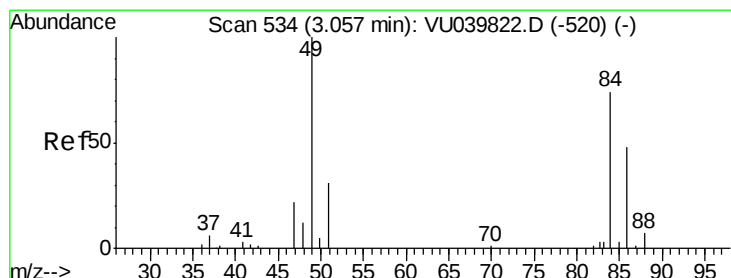
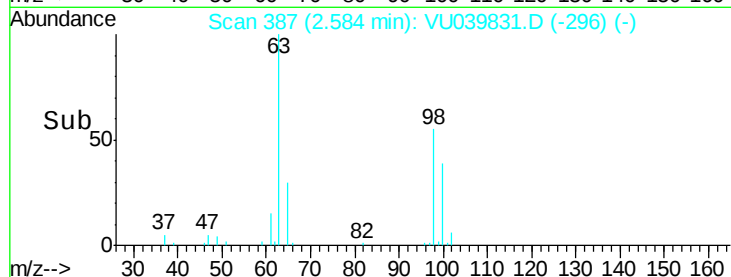
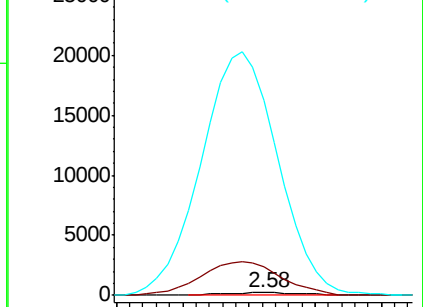
63 8219.2 82.1 152.5#



Abundance Ion 96.00 (95.70 to 96.70): VU039831.D (-296) (-)

Ion 61.05 (60.75 to 61.75): VU039831.D (-296) (-)

Ion 63.00 (62.70 to 63.70): VU039831.D (-296) (-)



#16

Methylene chloride

Concen: 0.190 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

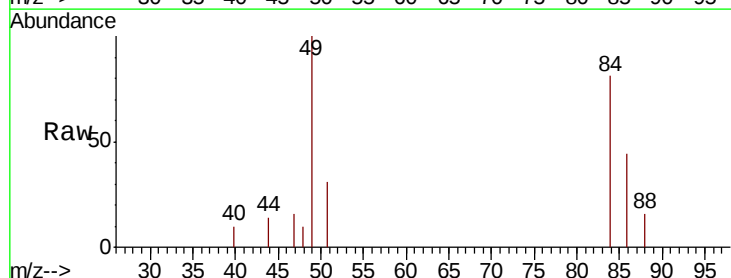
Tgt Ion: 84 Resp: 1398

Ion Ratio Lower Upper

84 100

86 54.8 43.9 81.5

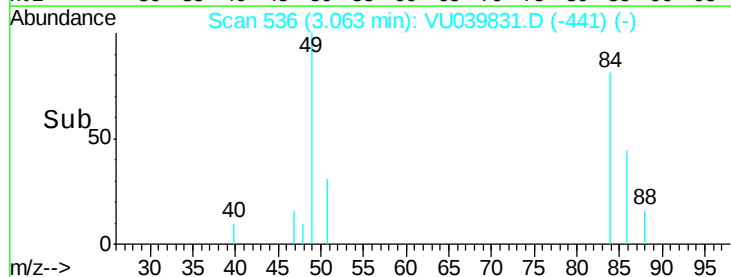
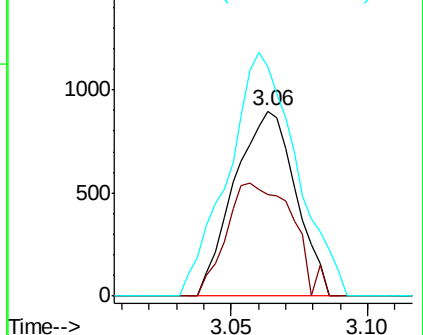
49 124.1 94.4 175.4

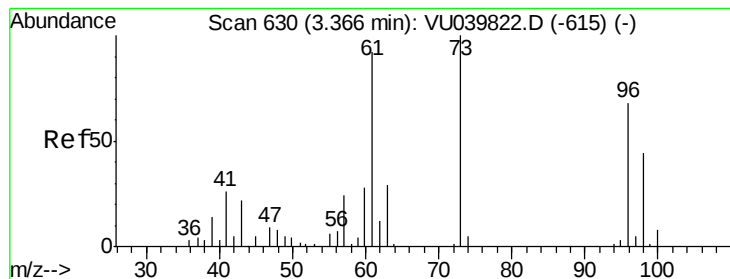


Abundance Ion 84.05 (83.75 to 84.75): VU039831.D (-441) (-)

Ion 86.00 (85.70 to 86.70): VU039831.D (-441) (-)

Ion 49.10 (48.80 to 49.80): VU039831.D (-441) (-)





#18

trans-1,2-Dichloroethene

Concen: 0.198 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

Instrument :

MSVOA_U

ClientSampled :

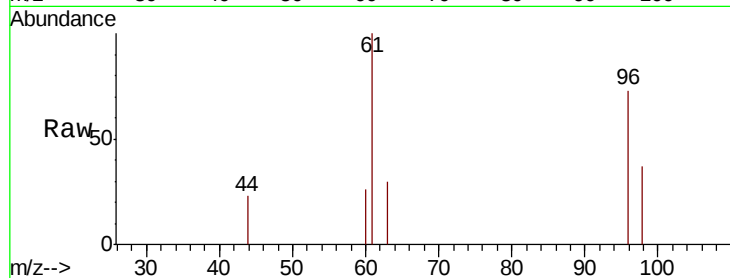
Tot Ion: 96 Resp: 1003

Ion Ratio Lower Upper

96 100

61 136.7 96.5 179.1

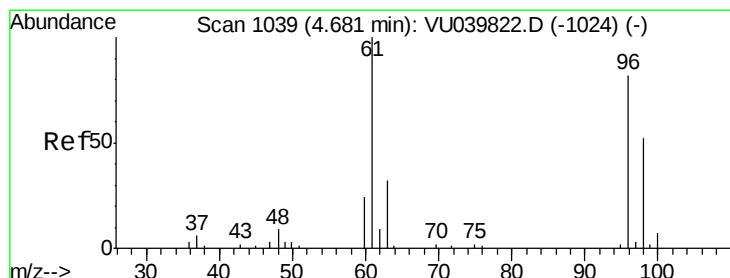
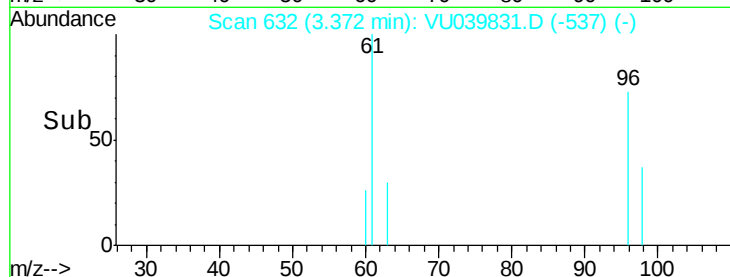
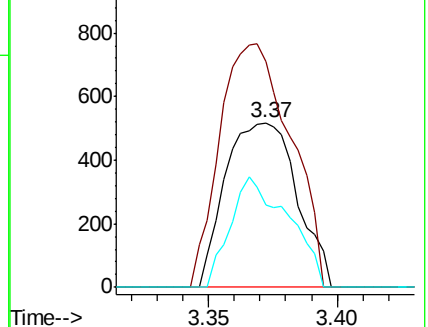
98 50.2 40.9 76.0



Abundance Ion 96.00 (95.70 to 96.70): VU039831.D (-537) (-)

Ion 61.05 (60.75 to 61.75): VU039831.D (-537) (-)

Ion 97.95 (97.65 to 98.65): VU039831.D (-537) (-)



#22

cis-1,2-Dichloroethene

Concen: 12.661 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.01 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

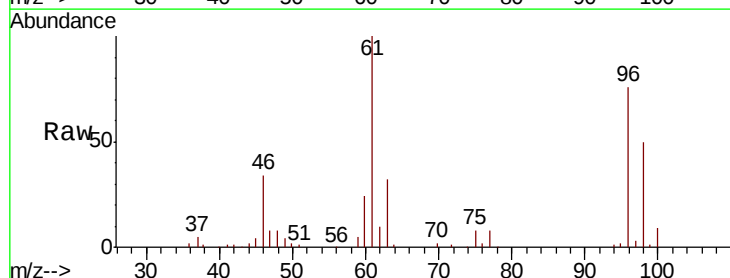
Tgt Ion: 96 Resp: 69831

Ion Ratio Lower Upper

96 100

61 131.0 87.4 162.2

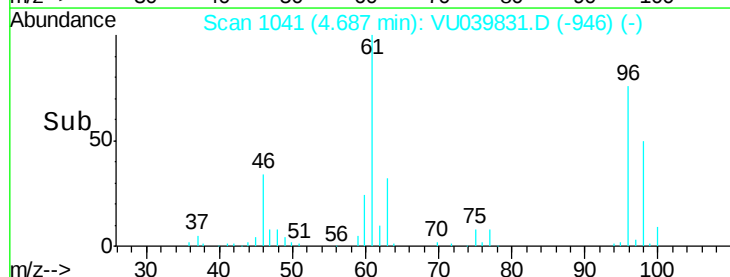
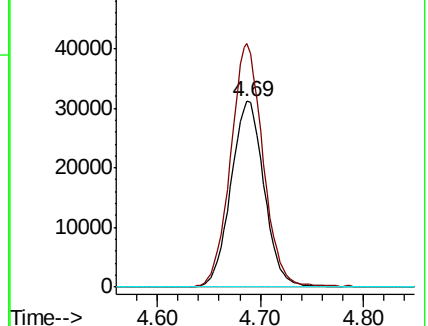
68 0.0 0.0 0.0

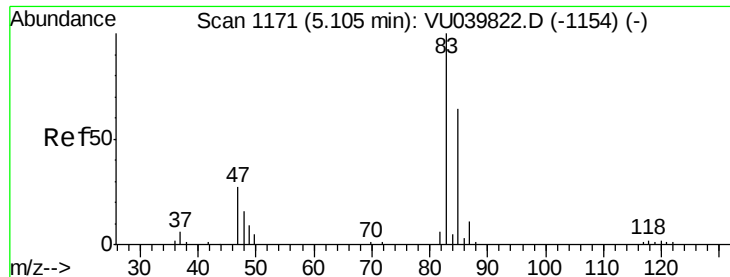


Abundance Ion 96.00 (95.70 to 96.70): VU039831.D (-946) (-)

Ion 61.05 (60.75 to 61.75): VU039831.D (-946) (-)

Ion 68.15 (67.85 to 68.85): VU039831.D (-946) (-)





#25

Chloroform

Concen: 0.295 ug/L

RT: 5.11 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

Instrument :

MSVOA_U

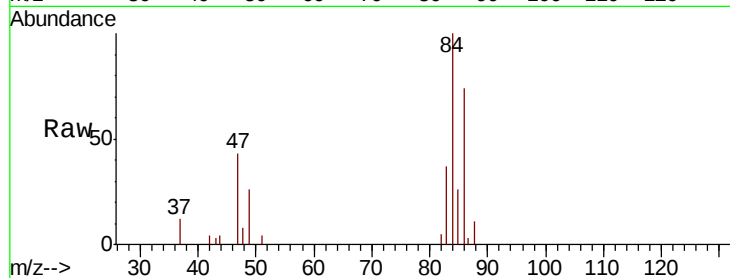
ClientSampleId :

Tot Ion: 83 Resp: 2967

Ion Ratio Lower Upper

83 100

85 71.4 42.1 78.3



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

5.11

1500

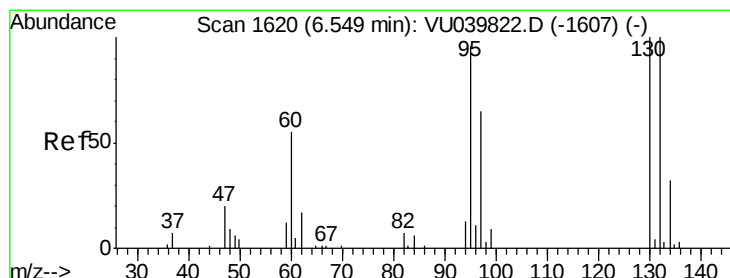
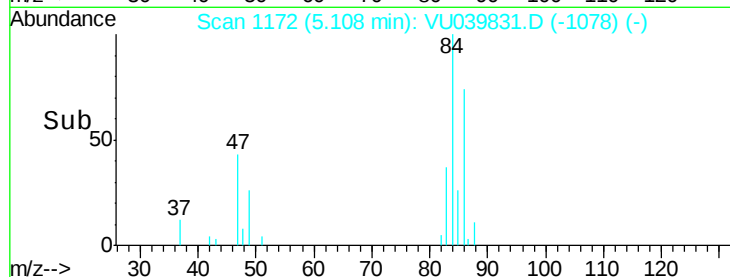
1000

500

0

Time-->

5.05 5.10 5.15



#34

Trichloroethene

Concen: 0.278 ug/L

RT: 6.27 min Scan# 1532

Delta R.T. -0.28 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

Tgt Ion: 95 Resp: 1485

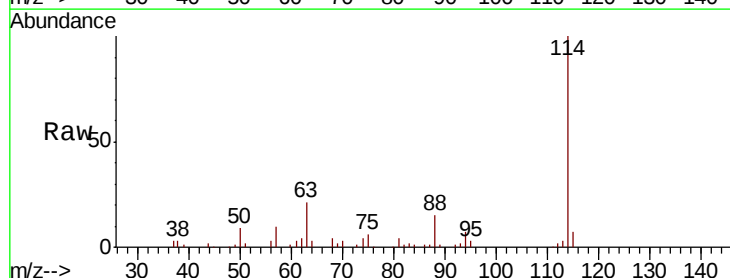
Ion Ratio Lower Upper

95 100

97 0.0 44.0 81.8#

132 0.0 71.7 133.3#

130 0.0 71.1 132.1#



Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): VU0

Ion 129.95 (129.65 to 130.65): VU0

1500

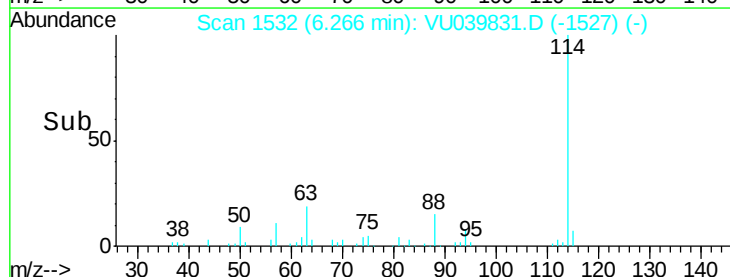
1000

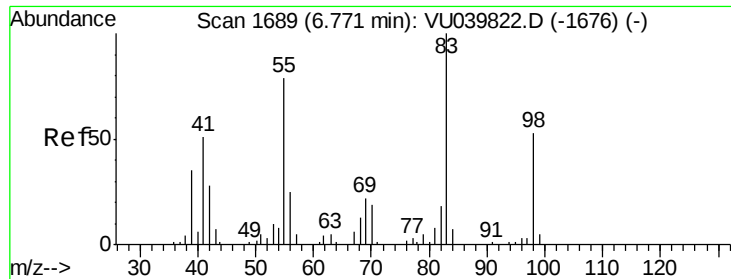
500

0

Time-->

6.24 6.26 6.28 6.30

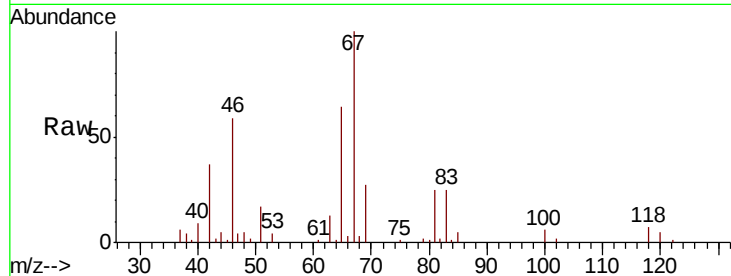




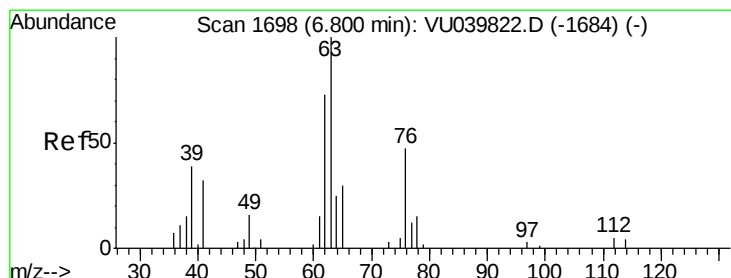
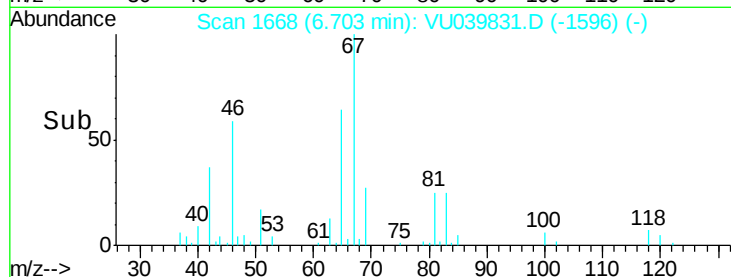
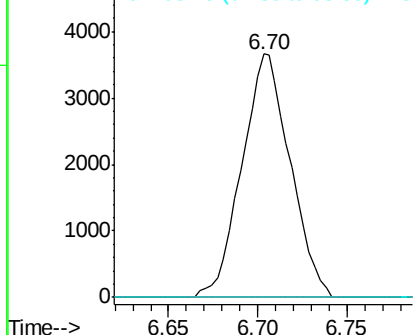
#35
Methvlcvclohexane
Concen: 0.813 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU039831.D
Acq: 10 Aug 2020 18:11

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 6923
Ion Ratio Lower Upper
83 100
55 0.0 59.4 89.0#
98 0.0 39.0 58.4#

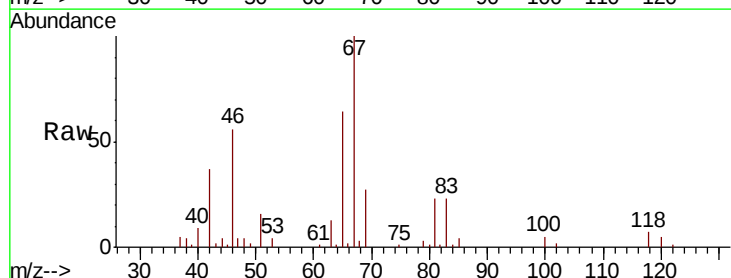


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

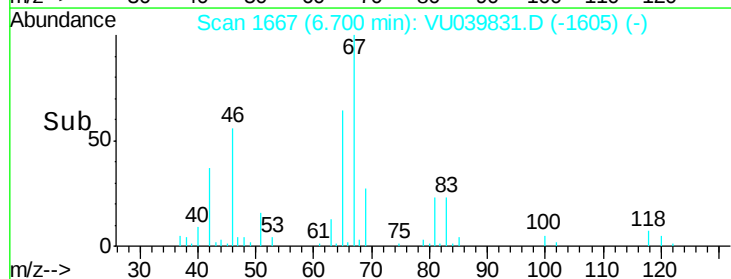
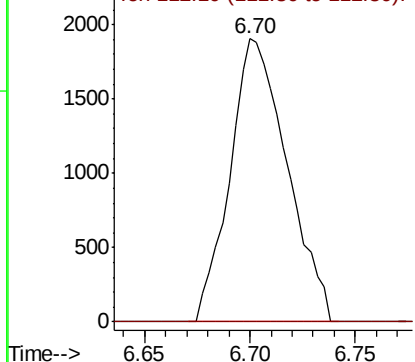


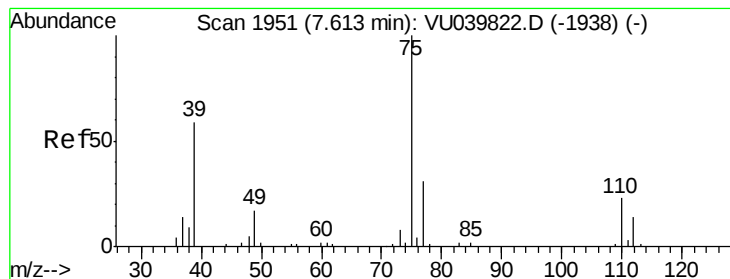
#37
1,2-Dichloropropane
Concen: 0.657 ug/L
RT: 6.70 min Scan# 1667
Delta R.T. -0.10 min
Lab File: VU039831.D
Acq: 10 Aug 2020 18:11

Tgt Ion: 63 Resp: 3583
Ion Ratio Lower Upper
63 100
112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



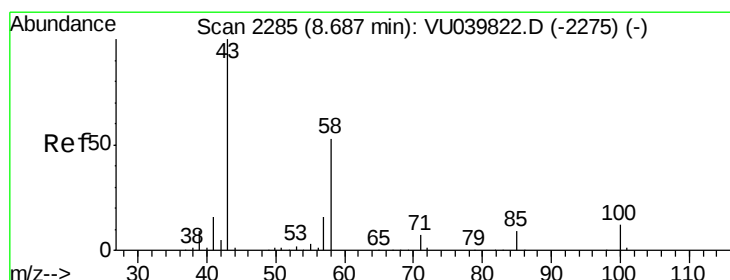
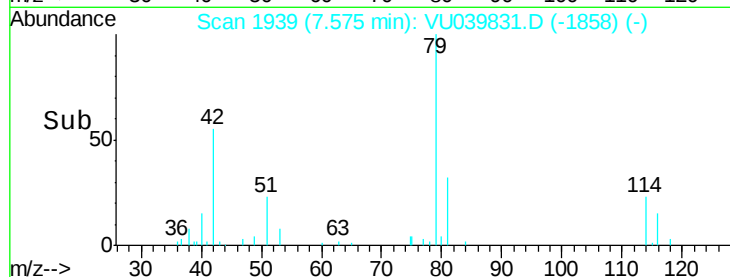
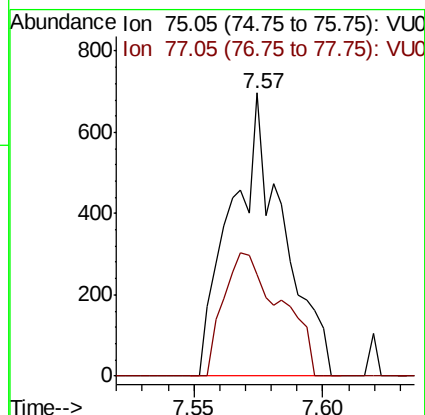
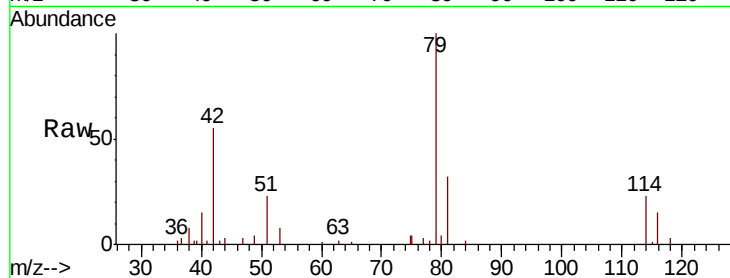


#39

cis-1,3-Dichloropropene
 Concen: 0.131 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU039831.D
 Acq: 10 Aug 2020 18:11

Instrument :
 MSVOA_U
 ClientSampleId :

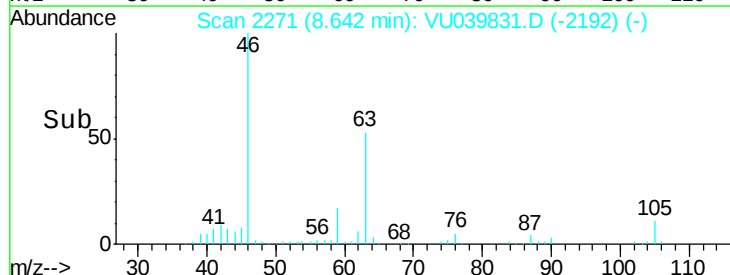
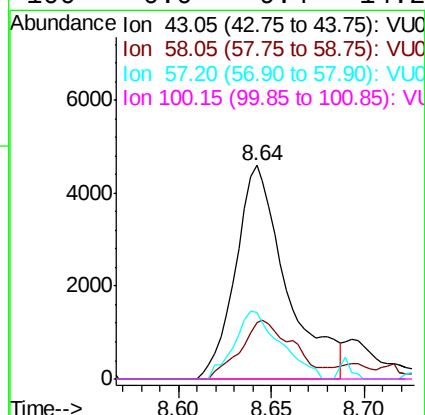
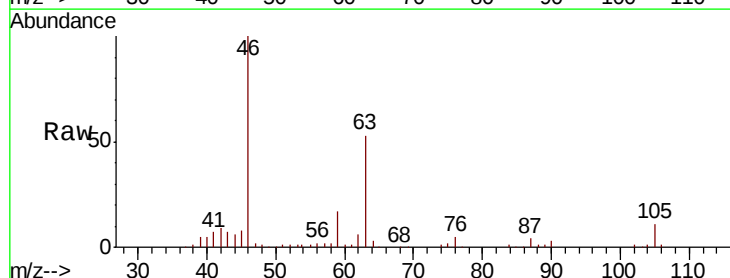
Tot Ion: 75 Resp: 975
 Ion Ratio Lower Upper
 75 100
 77 36.0 22.4 41.6

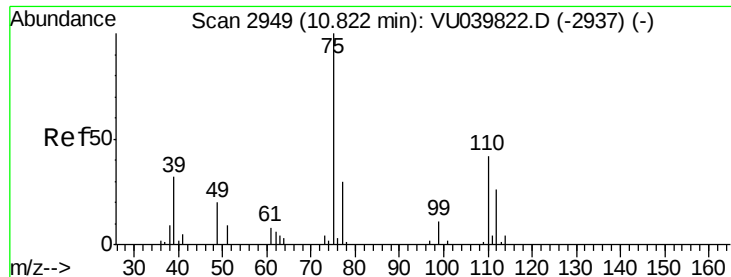


#48

2-Hexanone
 Concen: 2.974 ug/L
 RT: 8.64 min Scan# 2271
 Delta R.T. -0.05 min
 Lab File: VU039831.D
 Acq: 10 Aug 2020 18:11

Tgt Ion: 43 Resp: 8754
 Ion Ratio Lower Upper
 43 100
 58 28.6 41.8 62.8#
 57 29.1 14.2 21.4#
 100 0.0 9.4 14.2#





#59

1,2,3-Trichloropropane

Concen: 1.265 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU039831.D

Acq: 10 Aug 2020 18:11

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 4978

Ion Ratio Lower Upper

75 100

77 37.5 24.6 37.0#

