

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV021320\
 Data File : VV014581.D
 Acq On : 13 Feb 2020 12:05
 Operator : SY/MD
 Sample : L1489-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 13 15:34:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM021220WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 13 15:27:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	276008	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	254488	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	126731	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56894	53.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	107.36%
7) Chloroethane-d5	1.58	69	42302	56.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	113.50%
11) 1,1-Dichloroethene-d2	2.13	63	73032	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.58%
21) 2-Butanone-d5	3.91	46	90436	102.89	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.89%
24) Chloroform-d	4.39	84	165881	53.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.32%
26) 1,2-Dichloroethane-d4	5.07	65	109888	57.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	114.62%
32) Benzene-d6	5.09	84	351343	57.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.46%
36) 1,2-Dichloropropane-d6	6.11	67	104256	56.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	113.74%
41) Toluene-d8	7.35	98	333554	56.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.94%
43) trans-1,3-Dichloropropene-	7.66	79	58380	57.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.52%
47) 2-Hexanone-d5	8.12	63	74595	101.84	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.84%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	137925	55.44	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	110.88%
64) 1,2-Dichlorobenzene-d4	11.67	152	127596	56.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.98%

Target Compounds

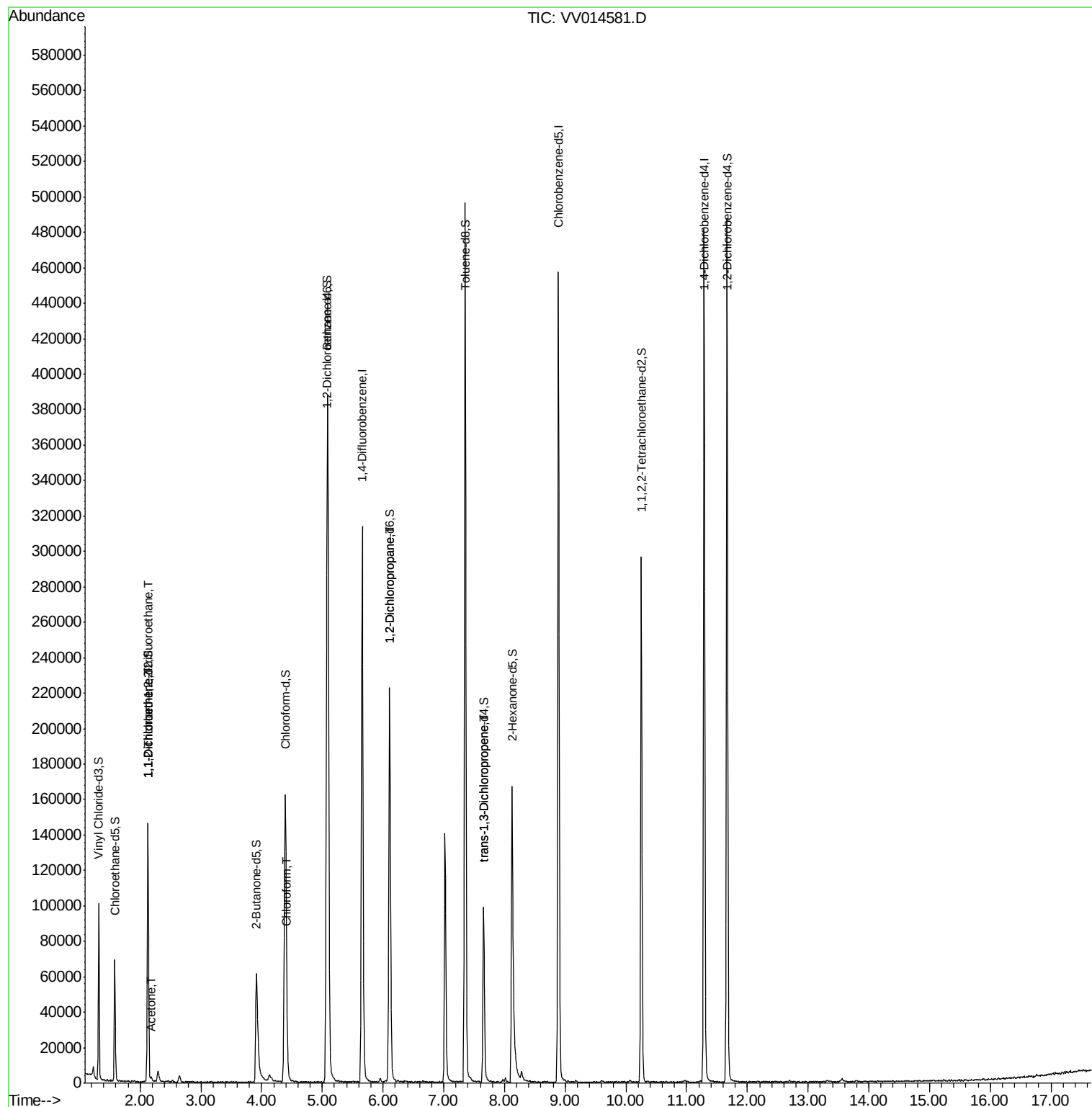
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	763	0.838	ug/L #	17
12) 1,1-Dichloroethene	2.13	96	633	0.748	ug/L #	1
13) Acetone	2.18	43	2331	3.091	ug/L	93
25) Chloroform	4.42	83	5143	1.588	ug/L	98
37) 1,2-Dichloropropane	6.11	63	12145	7.361	ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	2714	1.032	ug/L #	59

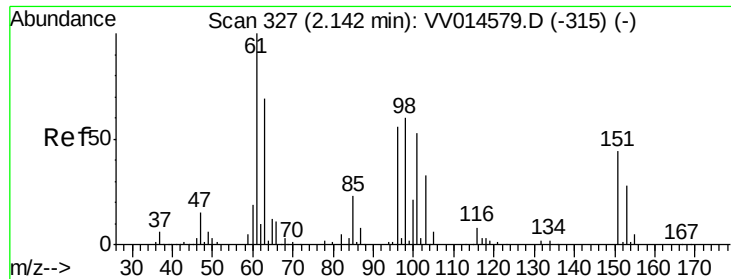
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.838 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.02 min

Lab File: VV014581.D

Acq: 13 Feb 2020 12:05

Instrument :

BNA_G

ClientSampleId :

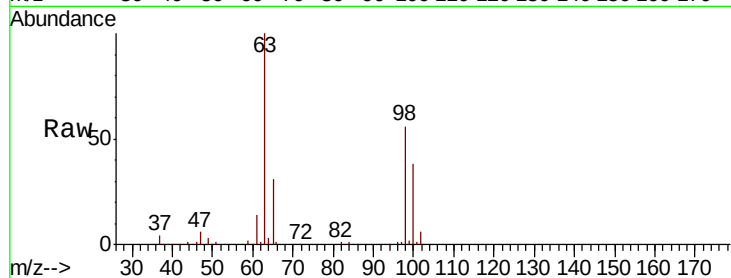
Tot Ion:101 Resp: 763

Ion Ratio Lower Upper

101 100

85 0.0 35.4 53.0#

151 0.0 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

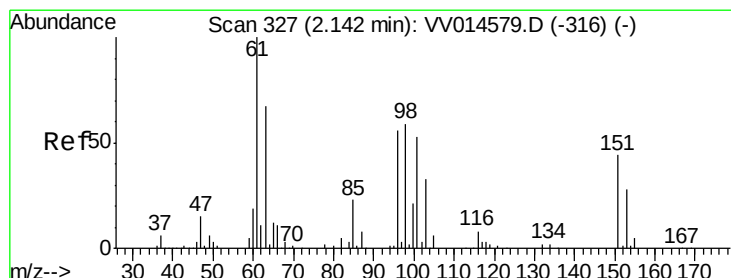
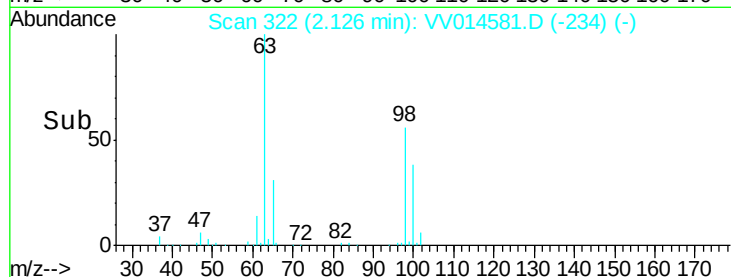
2.13

400

200

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.748 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014581.D

Acq: 13 Feb 2020 12:05

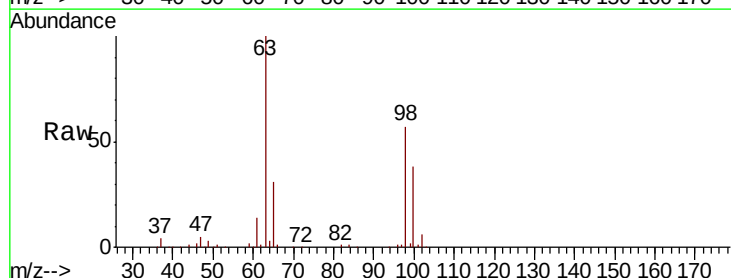
Tgt Ion: 96 Resp: 633

Ion Ratio Lower Upper

96 100

61 1743.9 124.2 230.6#

63 12356.8 89.2 165.8#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

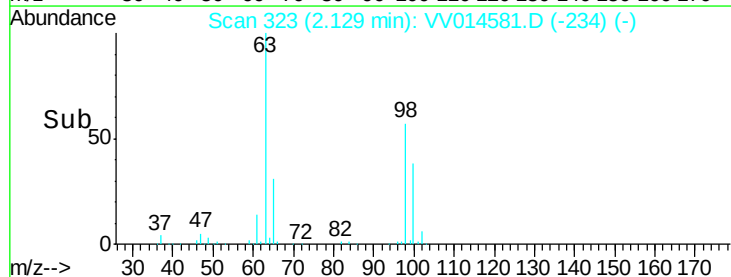
60000

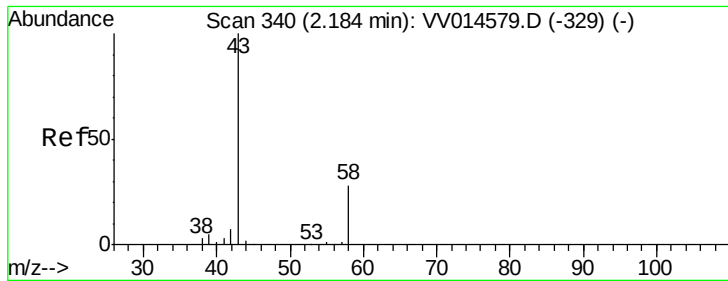
40000

20000

0

Time-->





#13

Acetone

Concen: 3.091 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.00 min

Lab File: VV014581.D

Acq: 13 Feb 2020 12:05

Instrument :

BNA_G

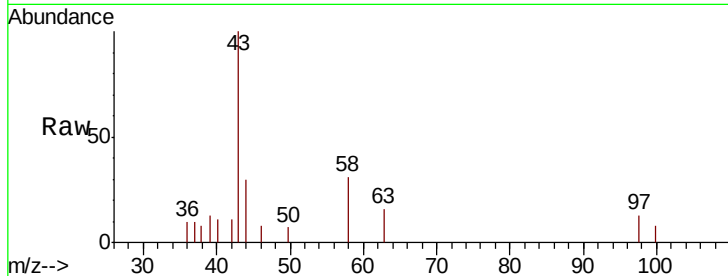
ClientSampleId :

Tot Ion: 43 Resp: 2331

Ion Ratio Lower Upper

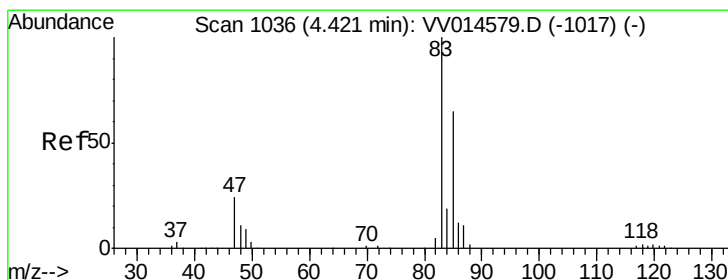
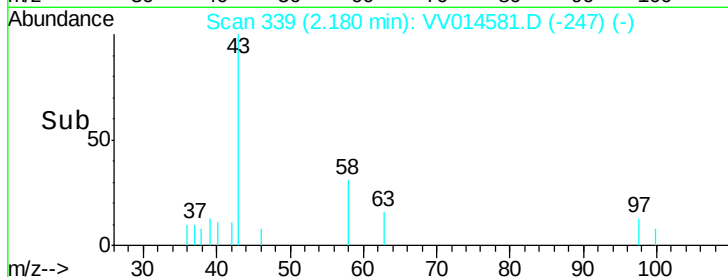
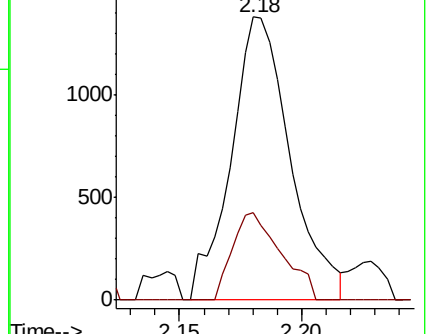
43 100

58 25.4 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#25

Chloroform

Concen: 1.588 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV014581.D

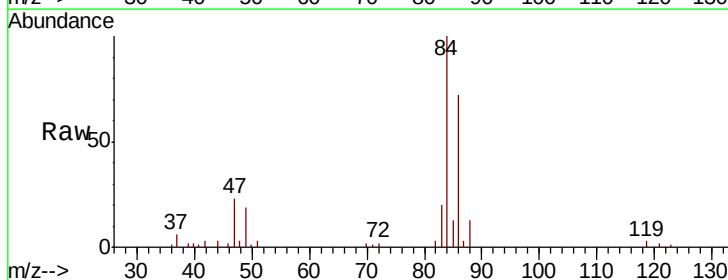
Acq: 13 Feb 2020 12:05

Tgt Ion: 83 Resp: 5143

Ion Ratio Lower Upper

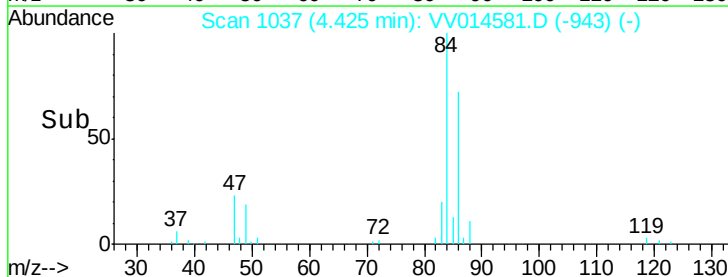
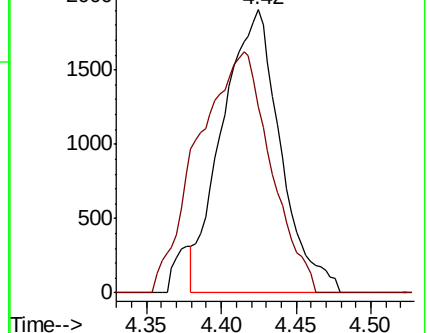
83 100

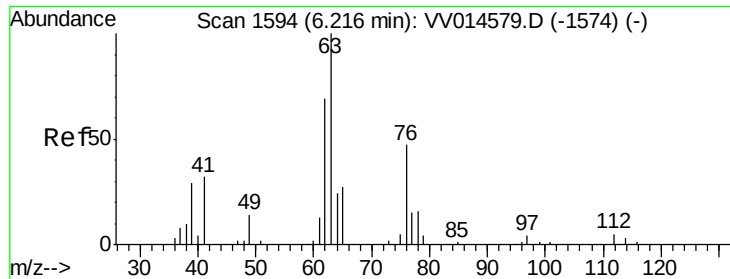
85 65.8 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

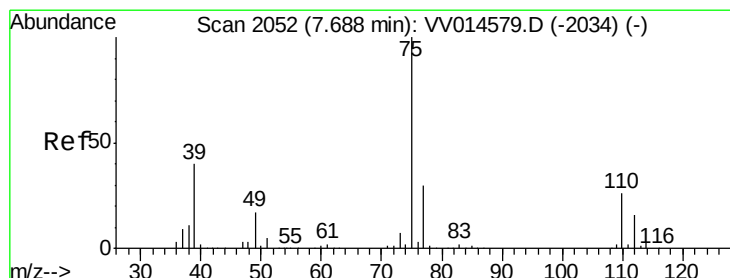
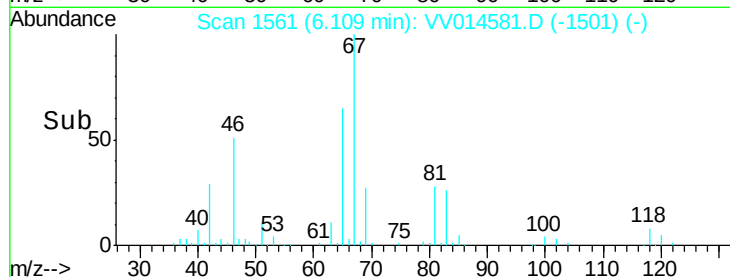
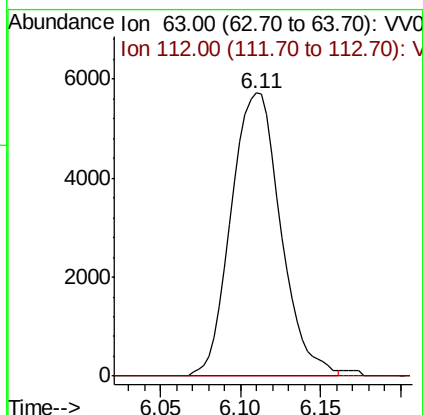
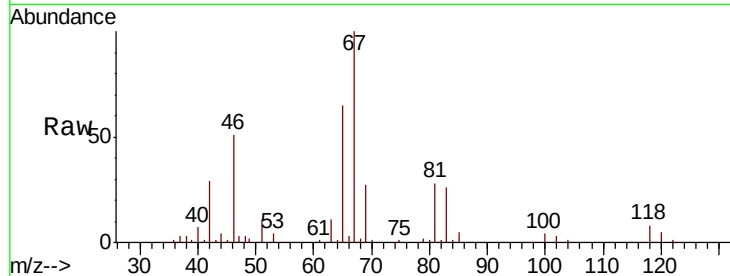




#37
 1,2-Dichloropropane
 Concen: 7.361 ug/L
 RT: 6.11 min Scan# 1561
 Delta R.T. -0.11 min
 Lab File: VV014581.D
 Acq: 13 Feb 2020 12:05

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 63 Resp: 12145
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.1 6.1#



#44
 trans-1,3-Dichloropropene
 Concen: 1.032 ug/L
 RT: 7.66 min Scan# 2042
 Delta R.T. -0.03 min
 Lab File: VV014581.D
 Acq: 13 Feb 2020 12:05

Tgt Ion: 75 Resp: 2714
 Ion Ratio Lower Upper
 75 100
 77 53.8 21.7 40.3#

