

Data File : VV011603.D
Acq On : 19 Jun 2019 04:36
Operator : SY/MD
Sample : K3386-16
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 37 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COM99

Quant Time: Jun 19 07:54:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jun 19 07:50:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	168280	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	151001	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	55651	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	37058	2.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	58.40%
7) Chloroethane-d5	1.58	69	32269	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	2.12	63	71123	2.94	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.80%#
20) 2-Butanone-d5	3.96	46	183317	51.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.56%
24) Chloroform-d	4.40	84	101486	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.08	65	64965	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.20%
32) Benzene-d6	5.09	84	195267	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
36) 1,2-Dichloropropane-d6	6.12	67	67675	4.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.60%
41) Toluene-d8	7.36	98	151285	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	7.66	79	16108	3.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	67.60%
46) 2-Hexanone-d5	8.14	63	134744	49.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	49695	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	51165	4.61	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1789	0.110 ug/L	88
8) Chloroethane	1.60	64	943	0.121 ug/L #	56
12) 1,1-Dichloroethene	2.13	96	19291	1.843 ug/L #	60
13) Acetone	2.22	43	6510	2.702 ug/L	91
15) Methyl Acetate	2.46	43	40543	6.348 ug/L #	56
16) Methylene chloride	2.52	84	1313	0.110 ug/L	74
19) 1,1-Dichloroethane	3.23	63	2518	0.103 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	26995	2.014 ug/L #	93
25) Chloroform	4.42	83	5072	0.206 ug/L	87
29) 1,1,1-Trichloroethane	4.66	97	13020	0.693 ug/L	98
31) Carbon tetrachloride	4.66	117	1721	0.113 ug/L #	46
34) Trichloroethene	5.96	95	318145	25.295 ug/L	98
35) Methylcyclohexane	6.12	83	16093	0.897 ug/L #	15
37) 1,2-Dichloropropane	6.12	63	8248	0.628 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1502	0.091 ug/L #	73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV061919\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Jun 19 07:50:26 2019
Response via : Initial Calibration

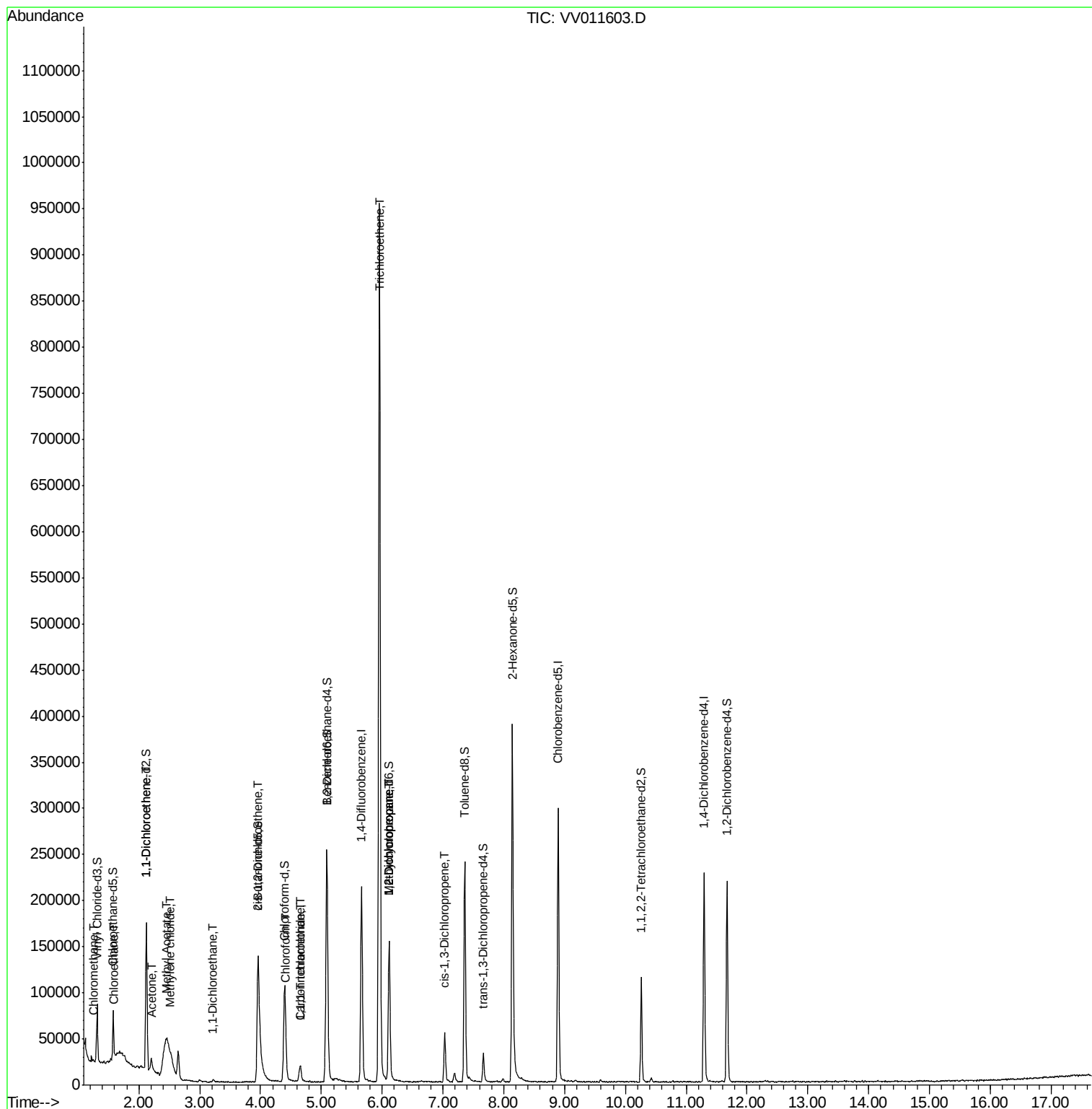
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

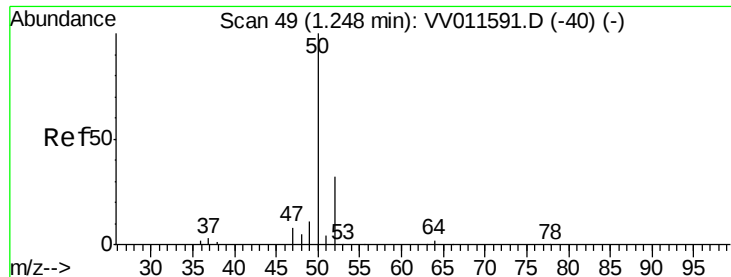
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.110 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV011603.D

Acq: 19 Jun 2019 04:36

Instrument :

MSVOA_V

ClientSampleId :

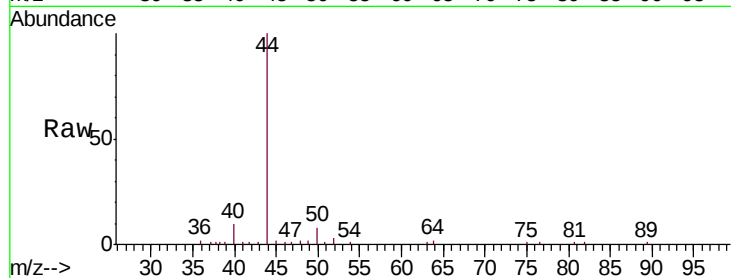
C0M99

Tgt Ion: 50 Resp: 1789

Ion Ratio Lower Upper

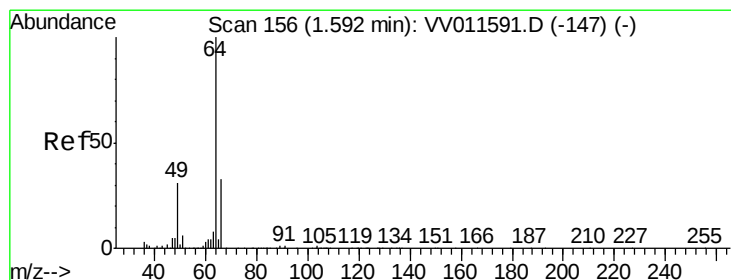
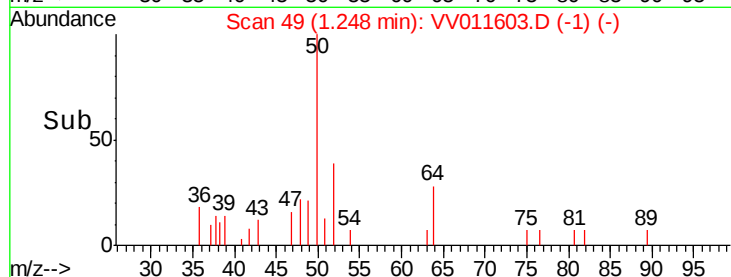
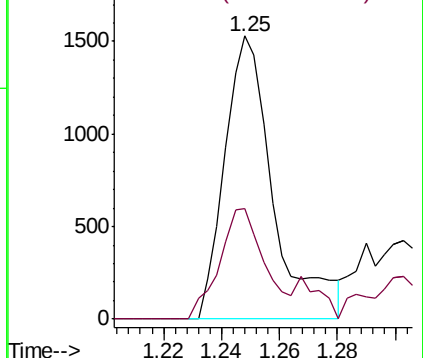
50 100

52 39.2 22.7 42.1



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#8

Chloroethane

Concen: 0.121 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.01 min

Lab File: VV011603.D

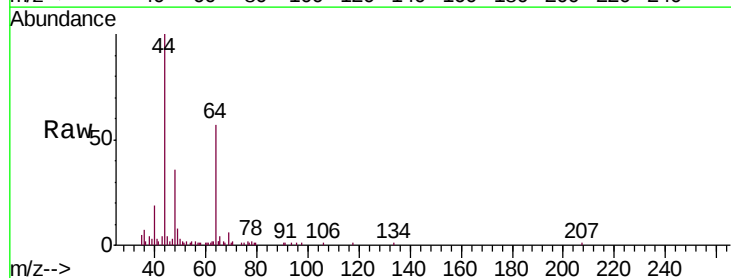
Acq: 19 Jun 2019 04:36

Tgt Ion: 64 Resp: 943

Ion Ratio Lower Upper

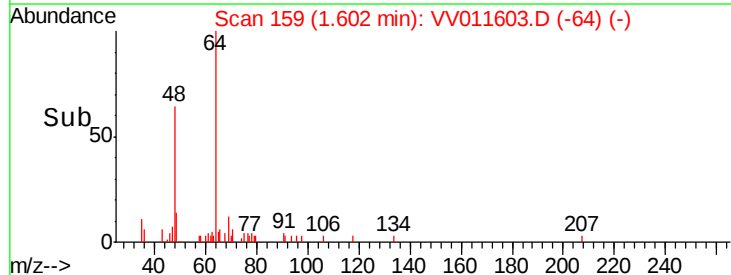
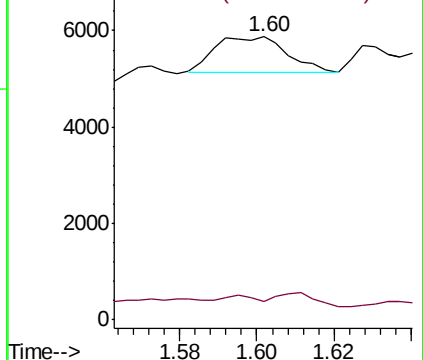
64 100

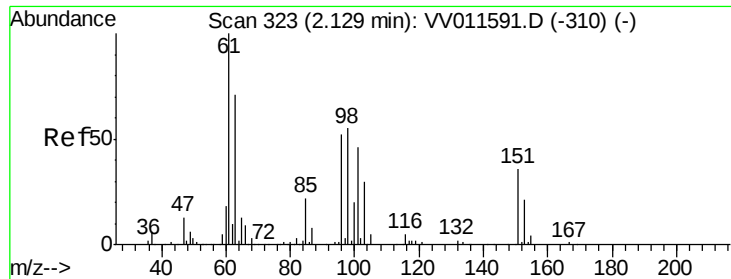
66 6.5 21.6 40.2#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 1.843 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011603.D

Acq: 19 Jun 2019 04:36

Instrument :

MSVOA_V

ClientSampled :

C0M99

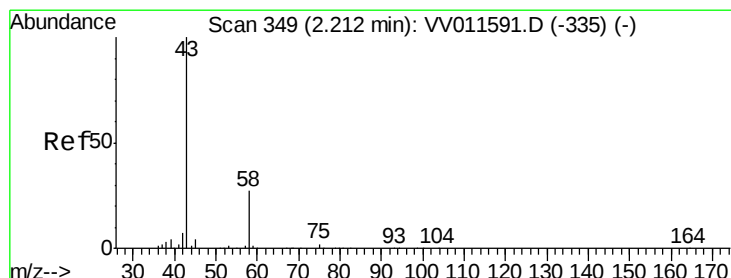
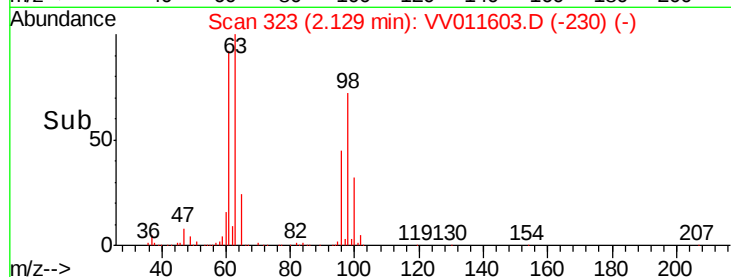
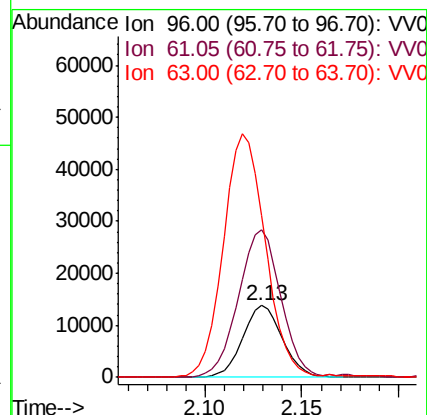
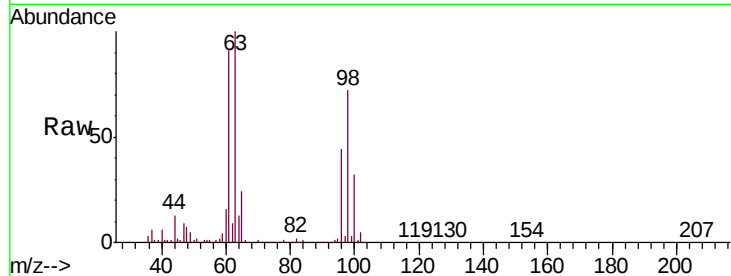
Tgt Ion: 96 Resp: 19291

Ion Ratio Lower Upper

96 100

61 205.9 135.9 252.5

63 225.2 86.2 160.2#



#13

Acetone

Concen: 2.702 ug/L

RT: 2.22 min Scan# 352

Delta R.T. 0.01 min

Lab File: VV011603.D

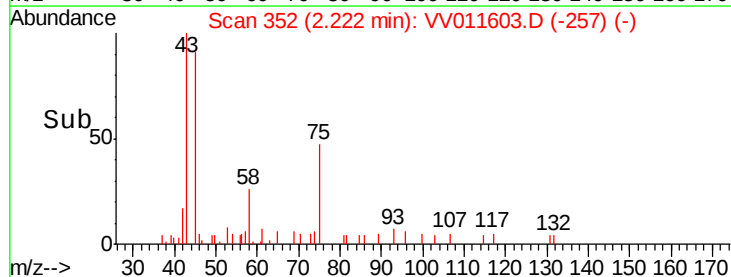
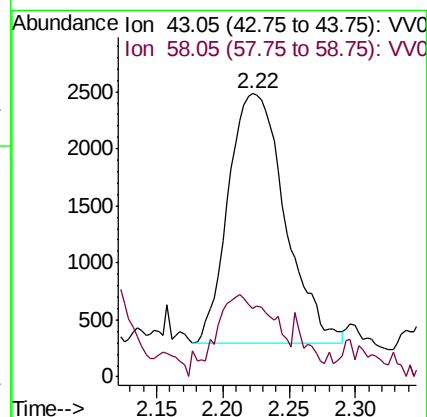
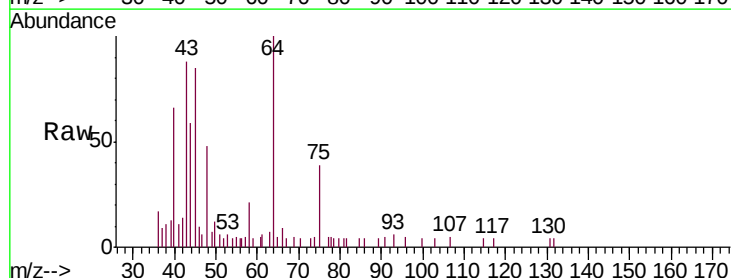
Acq: 19 Jun 2019 04:36

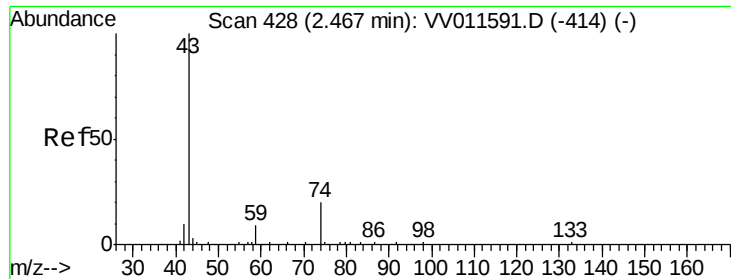
Tgt Ion: 43 Resp: 6510

Ion Ratio Lower Upper

43 100

58 33.5 0.0 57.8

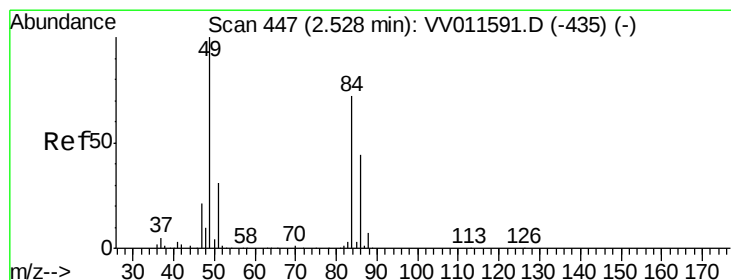
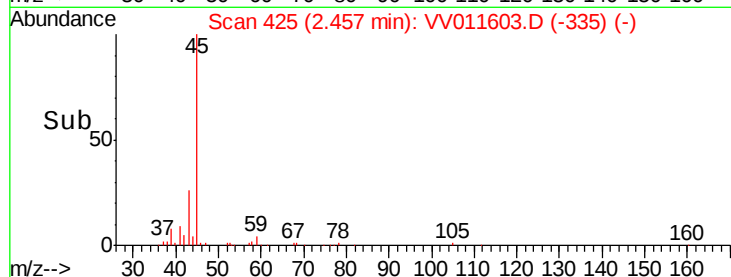
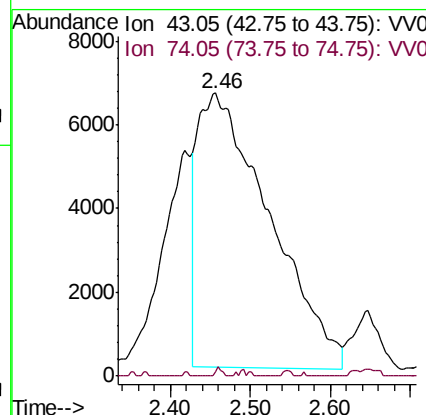
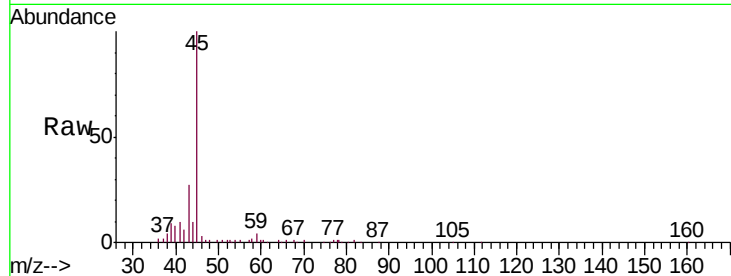




#15
Methyl Acetate
Concen: 6.348 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.01 min
Lab File: VV011603.D
Acq: 19 Jun 2019 04:36

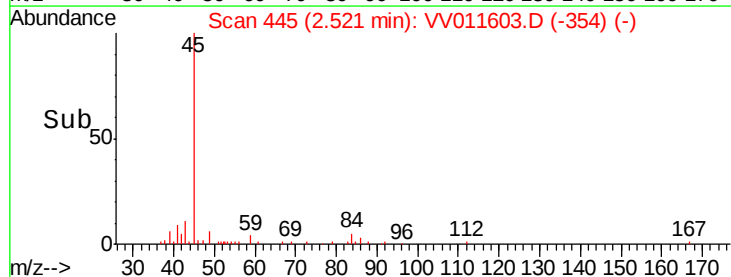
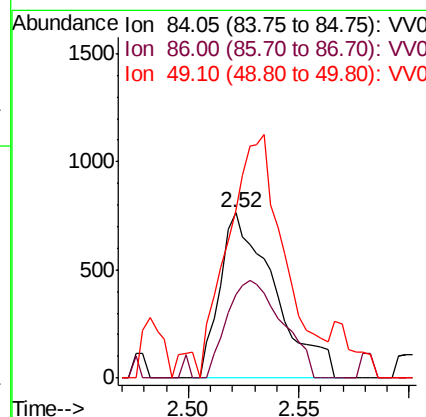
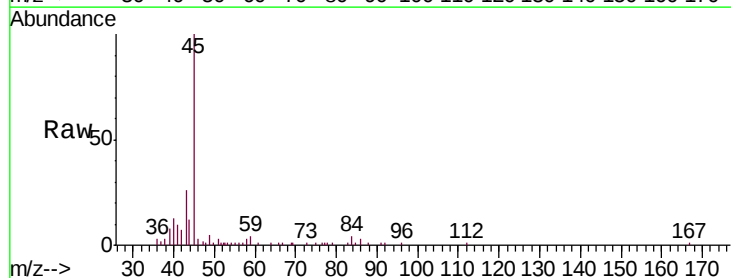
Instrument :
MSVOA_V
ClientSampleId :
COM99

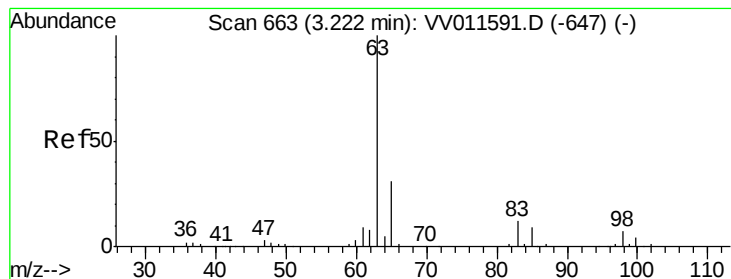
Tgt Ion: 43 Resp: 40543
Ion Ratio Lower Upper
43 100
74 0.3 16.5 24.7#



#16
Methylene chloride
Concen: 0.110 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.01 min
Lab File: VV011603.D
Acq: 19 Jun 2019 04:36

Tgt Ion: 84 Resp: 1313
Ion Ratio Lower Upper
84 100
86 50.7 42.5 78.9
49 101.7 97.7 181.5





#19

1,1-Dichloroethane

Concen: 0.103 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.01 min

Lab File: VV011603.D

Acq: 19 Jun 2019 04:36

Instrument :

MSVOA_V

ClientSampled :

COM99

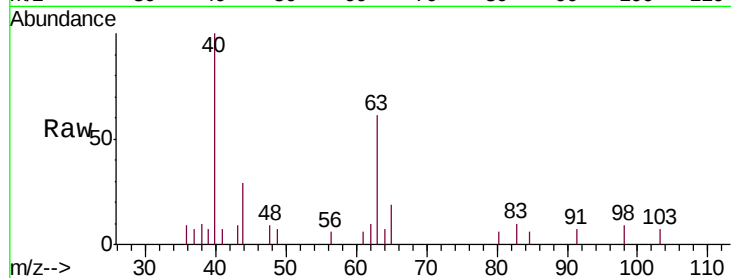
Tgt Ion: 63 Resp: 2518

Ion Ratio Lower Upper

63 100

65 31.9 22.5 41.9

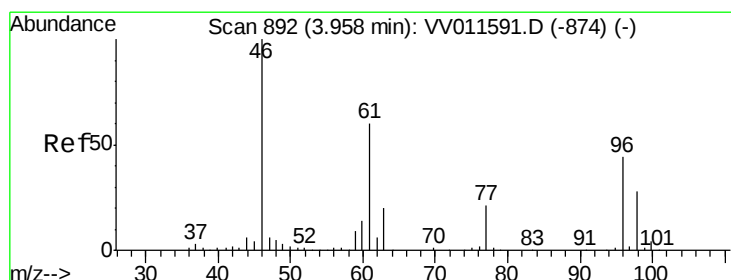
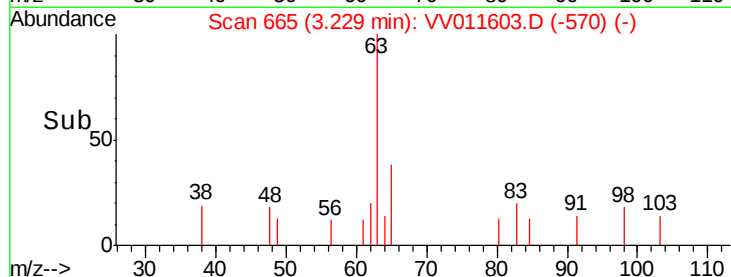
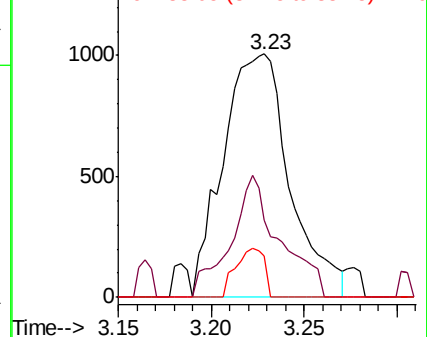
83 17.2 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.014 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV011603.D

Acq: 19 Jun 2019 04:36

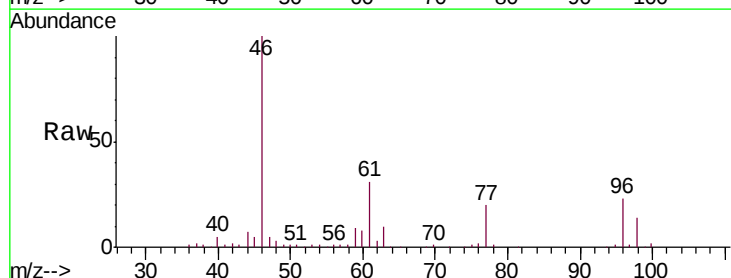
Tgt Ion: 96 Resp: 26995

Ion Ratio Lower Upper

96 100

61 136.8 102.2 189.8

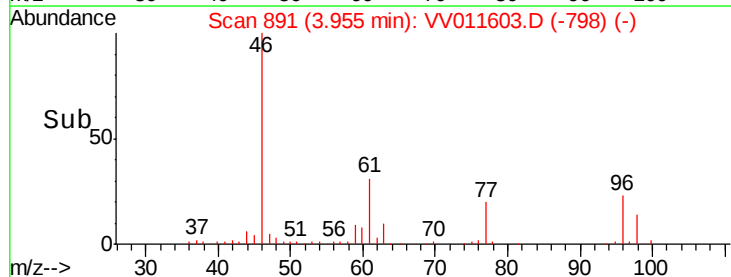
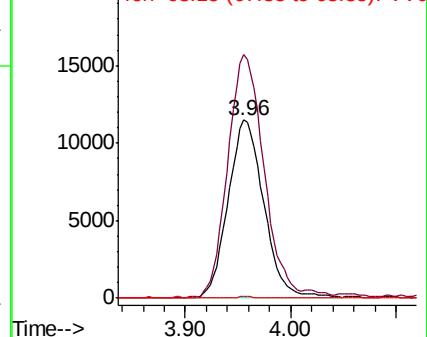
68 1.2 0.0 0.0#

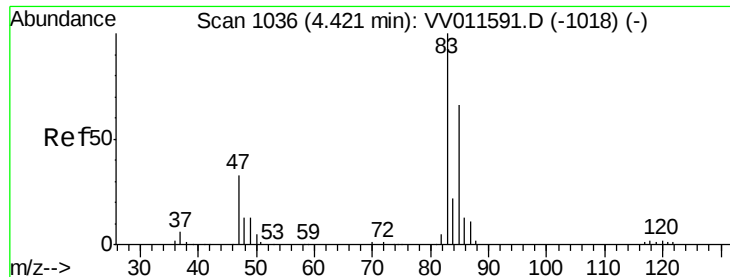


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

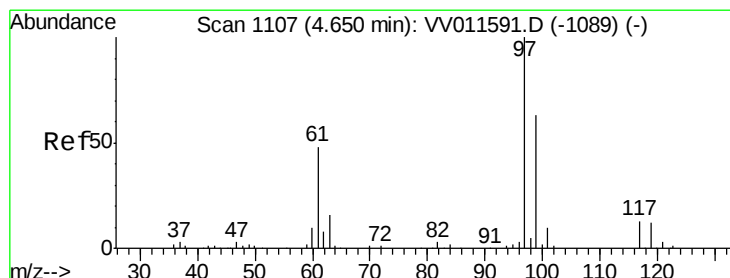
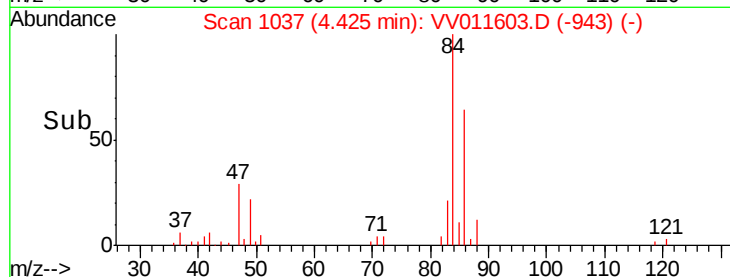
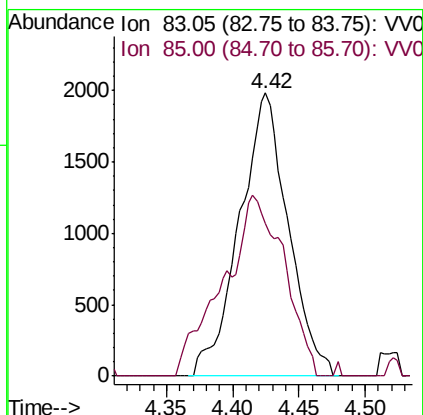
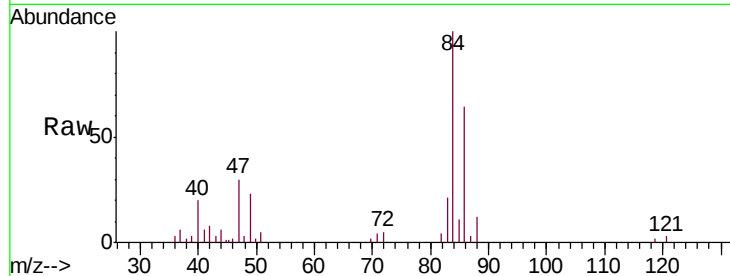




#25
Chloroform
Concen: 0.206 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV011603.D
Acq: 19 Jun 2019 04:36

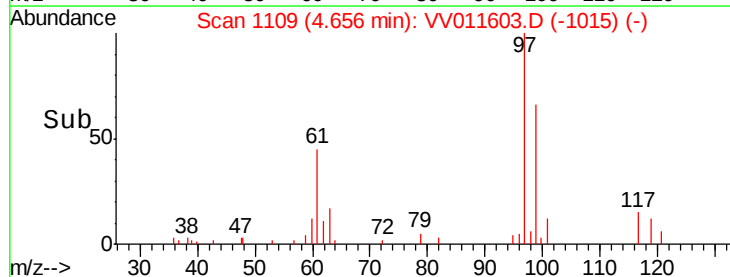
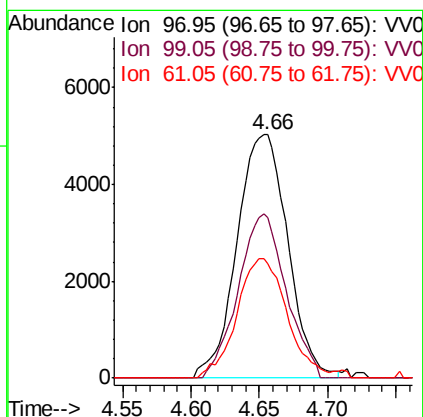
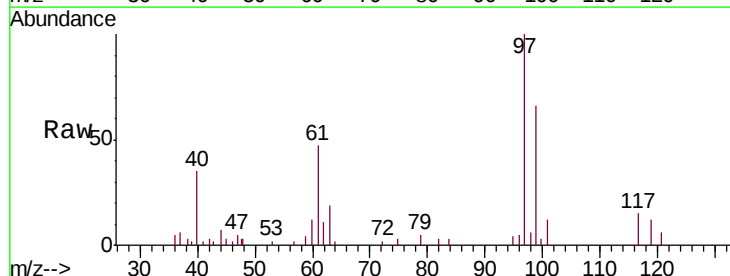
Instrument :
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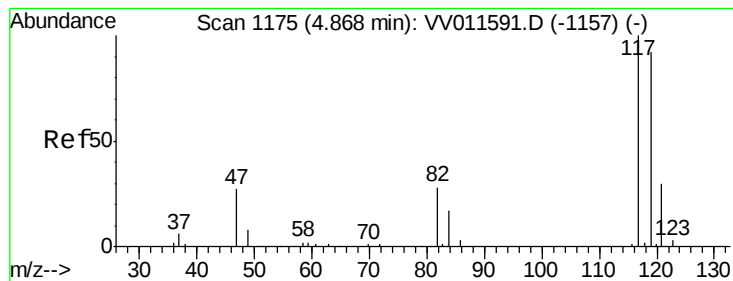
Tgt Ion: 83 Resp: 5072
Ion Ratio Lower Upper
83 100
85 53.8 44.6 82.8



#29
1,1,1-Trichloroethane
Concen: 0.693 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV011603.D
Acq: 19 Jun 2019 04:36

Tgt Ion: 97 Resp: 13020
Ion Ratio Lower Upper
97 100
99 63.4 51.6 77.4
61 48.4 40.4 60.6





#31

Carbon tetrachloride

Concen: 0.113 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.21 min

Lab File: VV011603.D

Acq: 19 Jun 2019 04:36

Instrument :

MSVOA_V

ClientSampleId :

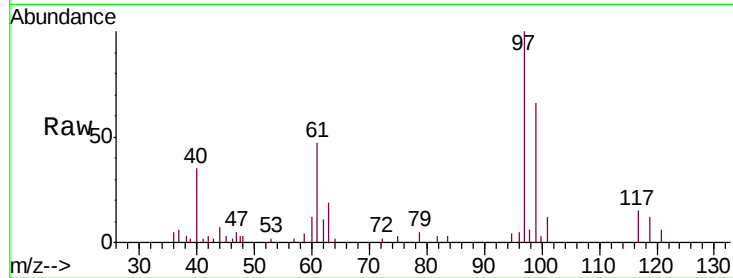
COM99

Tgt Ion:117 Resp: 1721

Ion Ratio Lower Upper

117 100

119 43.8 77.4 116.2#



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.66

800

600

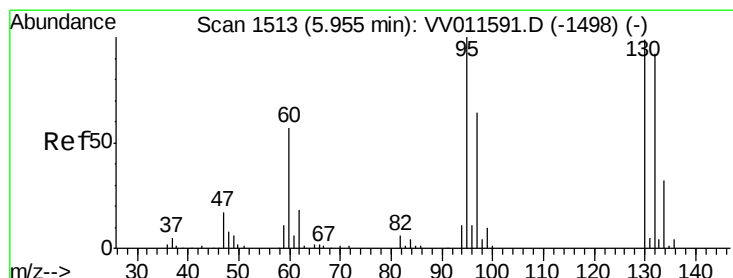
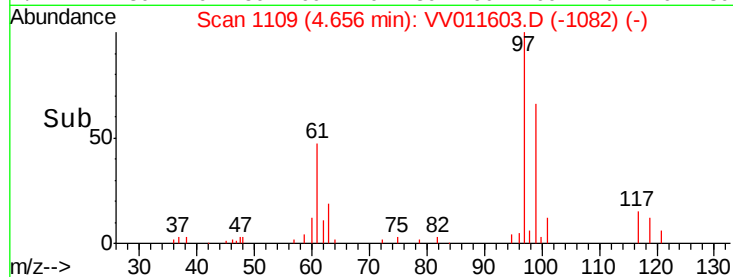
400

200

0

Time-->

4.60 4.65 4.70



#34

Trichloroethene

Concen: 25.295 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV011603.D

Acq: 19 Jun 2019 04:36

Tgt Ion: 95 Resp: 318145

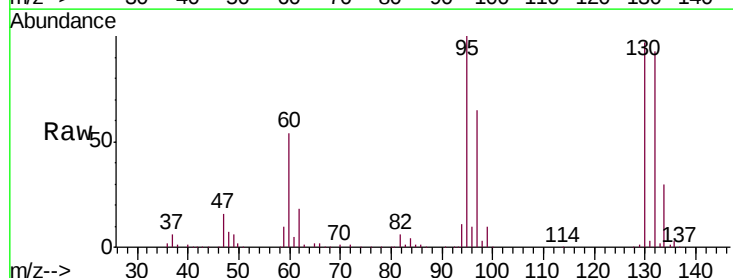
Ion Ratio Lower Upper

95 100

97 64.6 44.4 82.4

132 93.5 63.5 117.9

130 96.6 68.5 127.3



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

250000

200000

150000

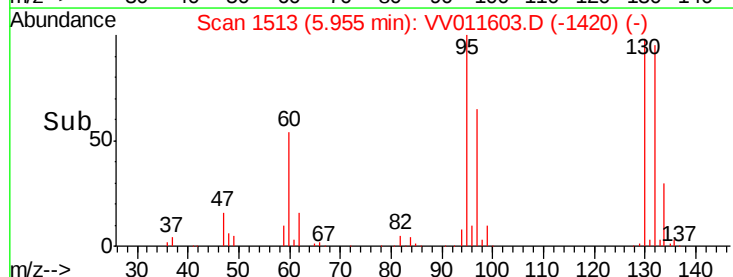
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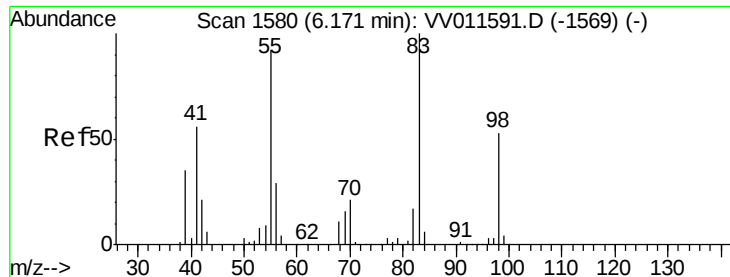
50000

0

Time-->

5.90 6.00 6.10





#35

Methylcyclohexane

Concen: 0.897 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011603.D

Acq: 19 Jun 2019 04:36

Instrument :

MSVOA_V

ClientSampleId :

COM99

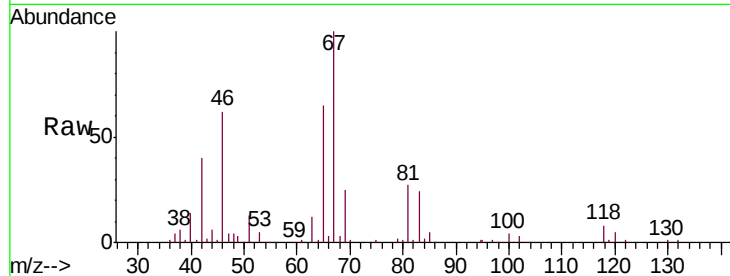
Tgt Ion: 83 Resp: 16093

Ion Ratio Lower Upper

83 100

55 1.2 67.9 101.9#

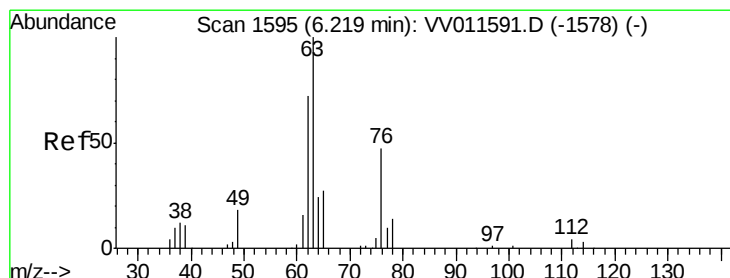
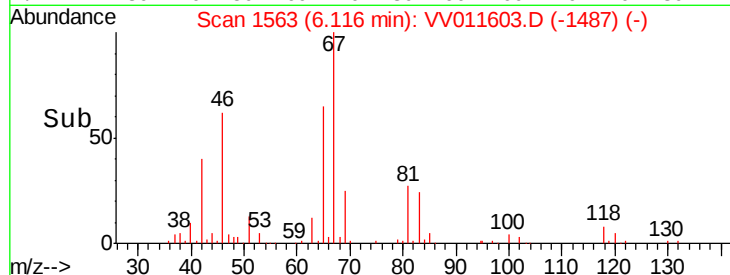
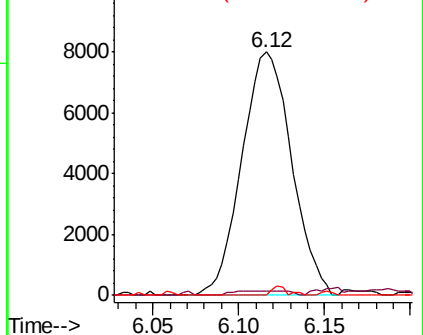
98 0.0 39.6 59.4#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.628 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV011603.D

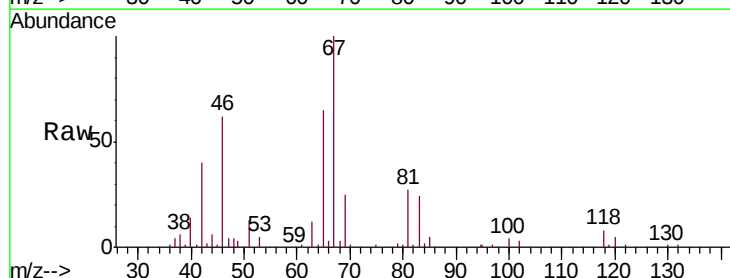
Acq: 19 Jun 2019 04:36

Tgt Ion: 63 Resp: 8248

Ion Ratio Lower Upper

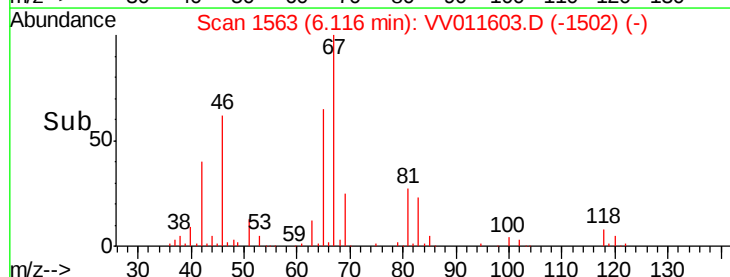
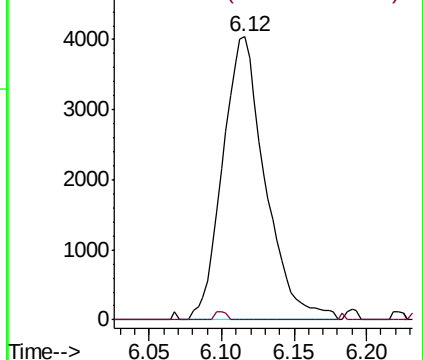
63 100

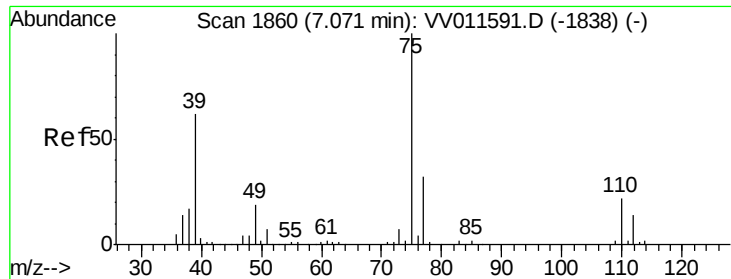
112 0.8 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#39
 cis-1,3-Dichloropropene
 Concen: 0.091 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011603.D
 Acq: 19 Jun 2019 04:36

Instrument :
 MSVOA_V
 ClientSampleId :
 COM99

Tgt Ion: 75 Resp: 1502
 Ion Ratio Lower Upper
 75 100
 77 44.2 20.6 38.4#

