

Data File : VV011942.D
Acq On : 18 Jul 2019 18:43
Operator : SY/MD
Sample : K3823-12DL 50X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52M6DL

Quant Time: Jul 19 05:48:01 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Jul 19 05:34:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	136827	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	131815	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	60702	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30583	3.04	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.80%
7) Chloroethane-d5	1.58	69	26604	3.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	64.00%#
11) 1,1-Dichloroethene-d2	2.13	63	50418	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	3.94	46	130327	51.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.70%
24) Chloroform-d	4.40	84	99325	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	5.08	65	53596	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.10	84	193476	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
36) 1,2-Dichloropropane-d6	6.12	67	59468	5.06	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.20%
41) Toluene-d8	7.36	98	167784	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.67	79	19901	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.14	63	85021	48.57	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.14%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	35442	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	66430	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

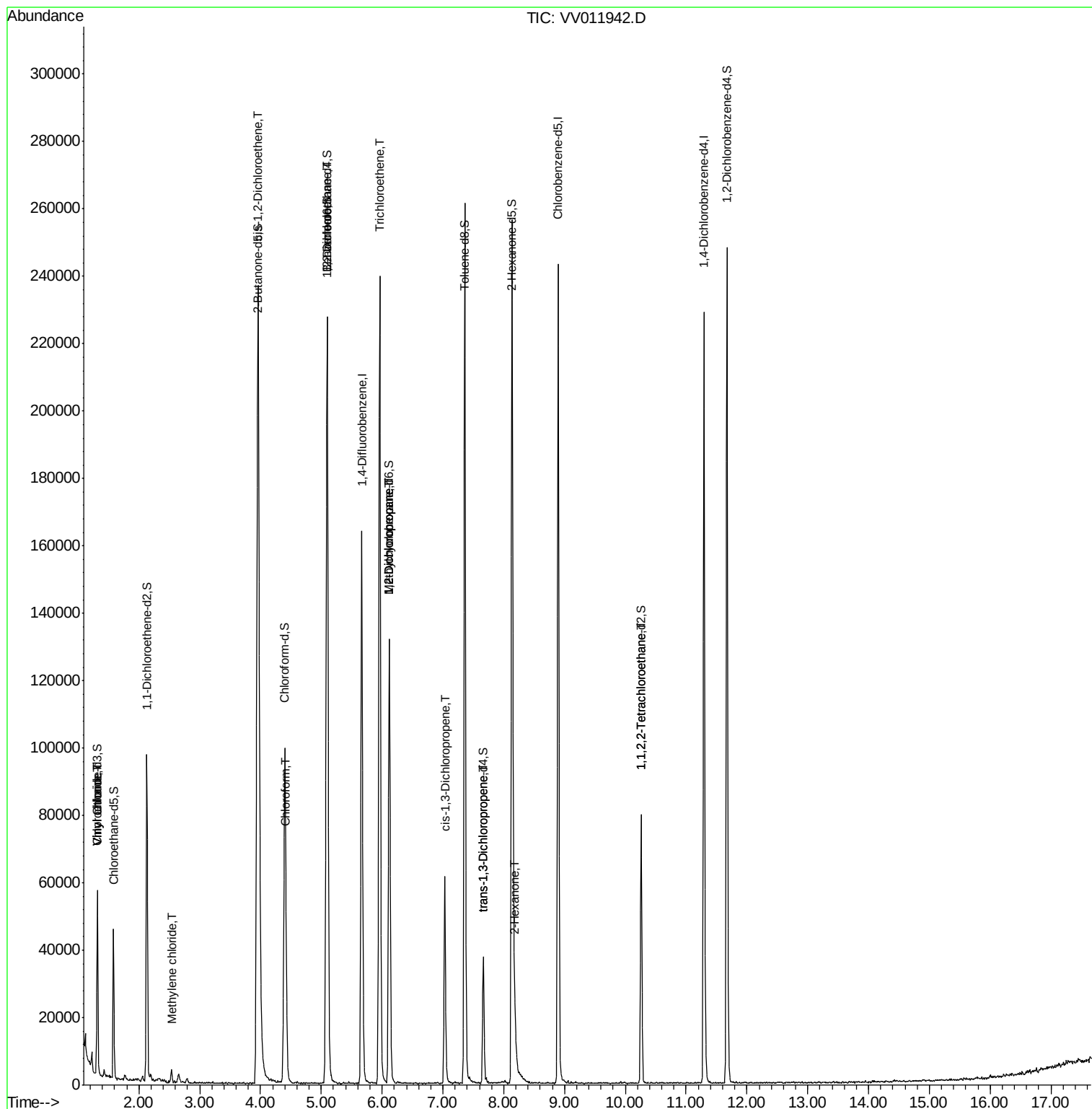
						Qvalue
5) Vinyl chloride	1.32	62	1263	0.097	ug/L #	29
8) Chloroethane	1.32	64	941	0.127	ug/L #	39
16) Methylene chloride	2.54	84	1360	0.178	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	101504	9.616	ug/L	93
25) Chloroform	4.43	83	4583	0.220	ug/L	94
27) 1,2-Dichloroethane	5.10	62	1450	0.118	ug/L #	75
34) Trichloroethene	5.96	95	79559	6.941	ug/L	97
35) Methylcyclohexane	6.12	83	15118	0.869	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6907	0.686	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	1692	0.123	ug/L	88
44) trans-1,3-Dichloropropene	7.67	75	1048	0.096	ug/L #	72
48) 2-Hexanone	8.19	43	8057	1.860	ug/L #	84
58) 1,1,2,2-Tetrachloroethane	10.26	83	390	0.060	ug/L #	1

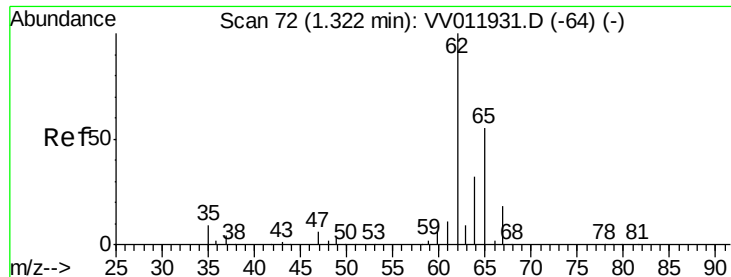
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.097 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011942.D

Acq: 18 Jul 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

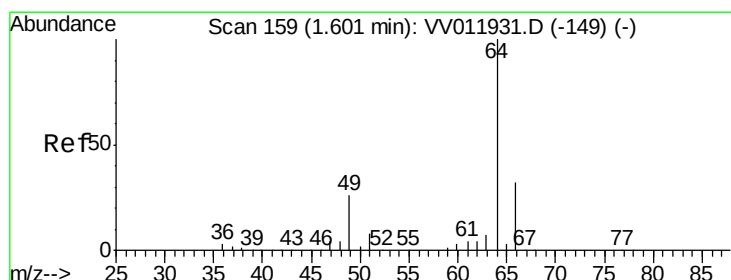
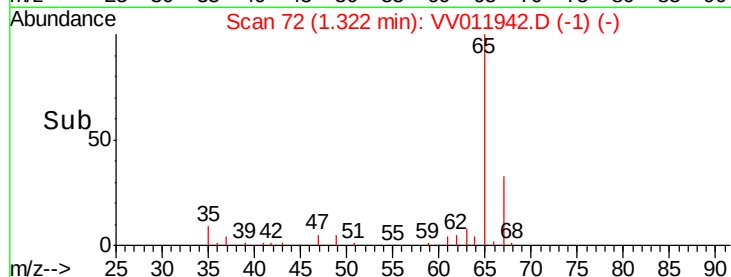
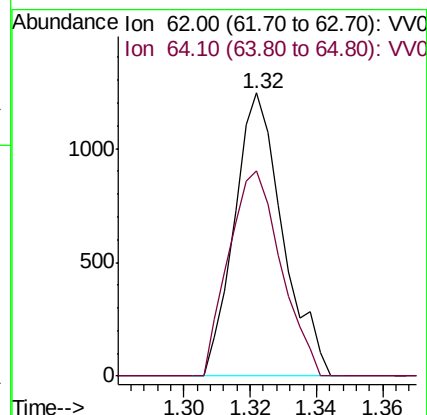
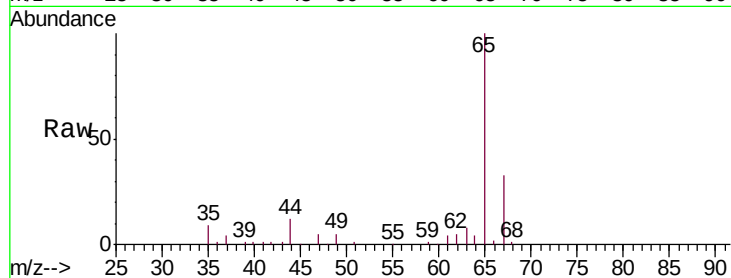
A52M6DL

Tgt Ion: 62 Resp: 1263

Ion Ratio Lower Upper

62 100

64 72.5 22.9 42.5#



#8

Chloroethane

Concen: 0.127 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV011942.D

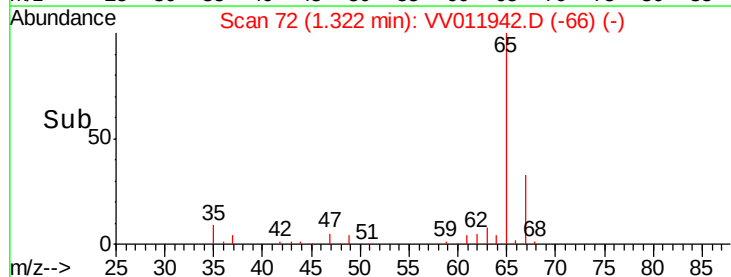
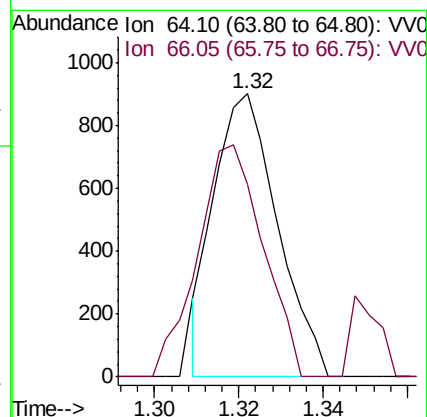
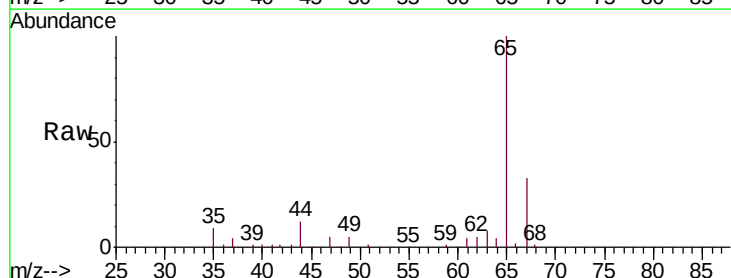
Acq: 18 Jul 2019 18:43

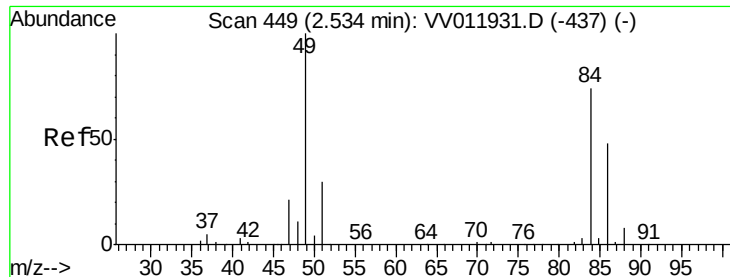
Tgt Ion: 64 Resp: 941

Ion Ratio Lower Upper

64 100

66 67.8 23.2 43.2#

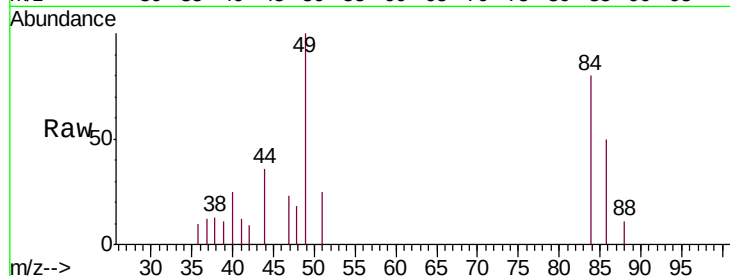




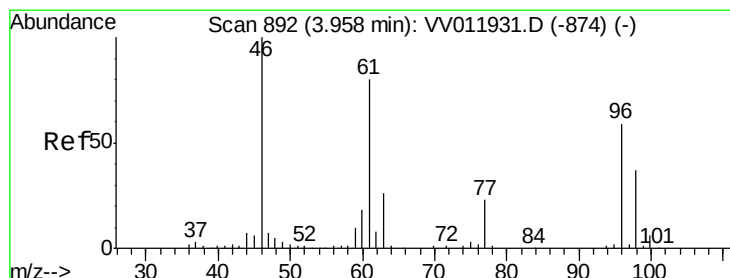
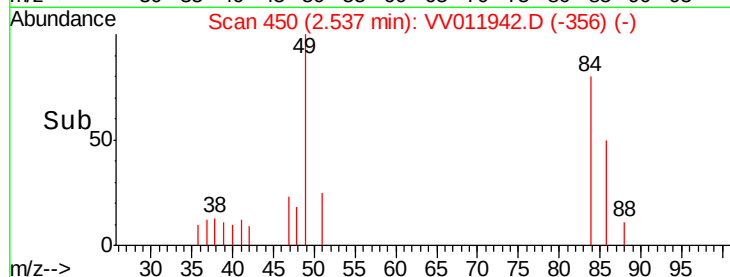
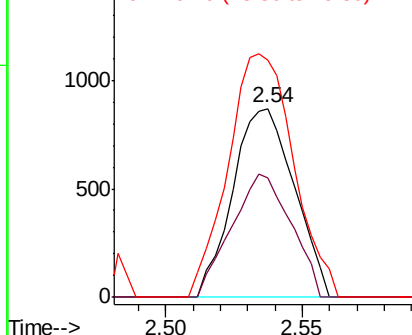
#16
Methylene chloride
Concen: 0.178 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV011942.D
Acq: 18 Jul 2019 18:43

Instrument :
MSVOA_V
ClientSampled :
A52M6DL

Tgt Ion: 84 Resp: 1360
Ion Ratio Lower Upper
84 100
86 63.1 44.8 83.2
49 125.8 90.4 168.0

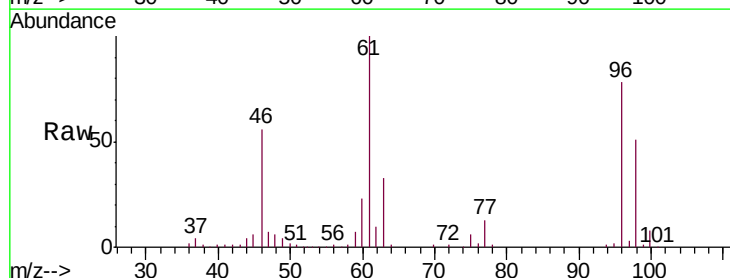


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

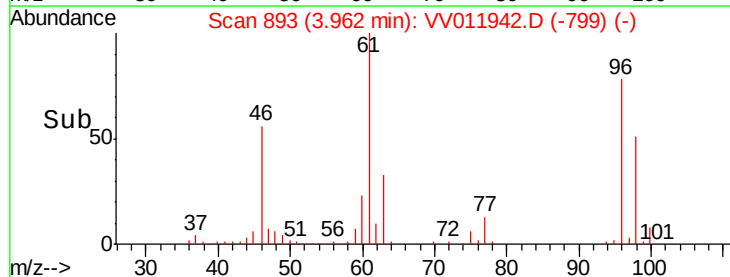
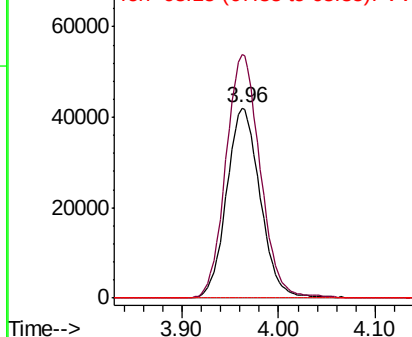


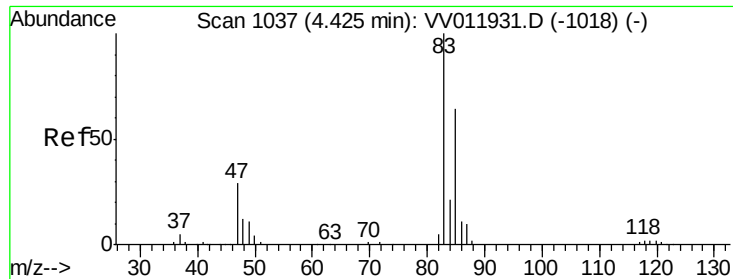
#22
cis-1,2-Dichloroethene
Concen: 9.616 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV011942.D
Acq: 18 Jul 2019 18:43

Tgt Ion: 96 Resp: 101504
Ion Ratio Lower Upper
96 100
61 128.2 95.2 176.8
68 0.0 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

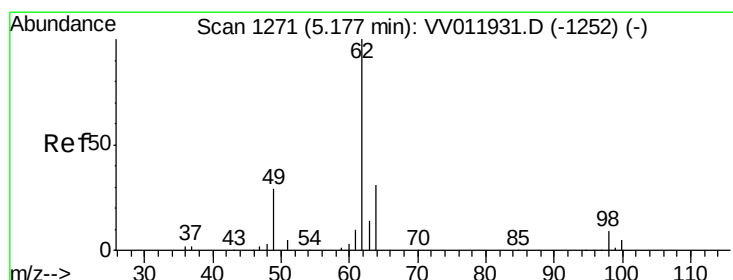
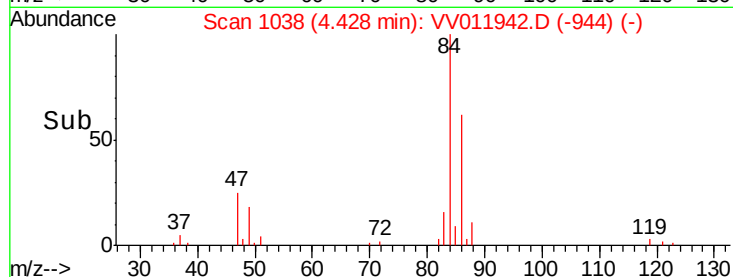
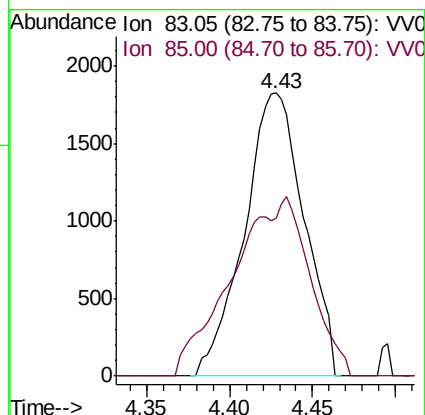
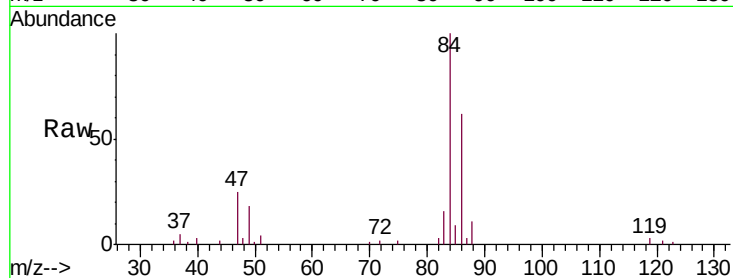




#25
Chloroform
Concen: 0.220 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011942.D
Acq: 18 Jul 2019 18:43

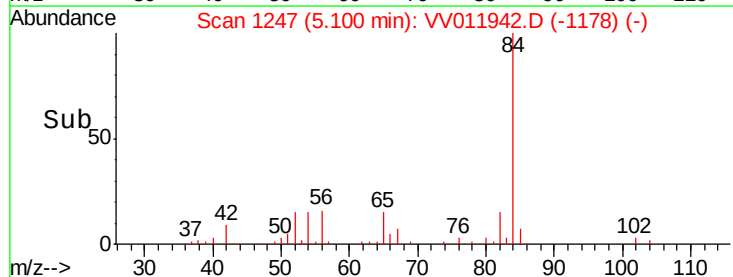
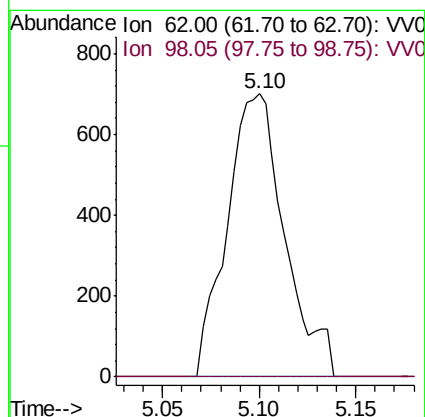
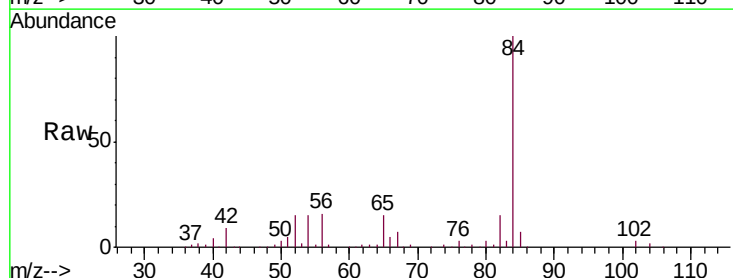
Instrument :
MSVOA_V
ClientSampleId :
A52M6DL

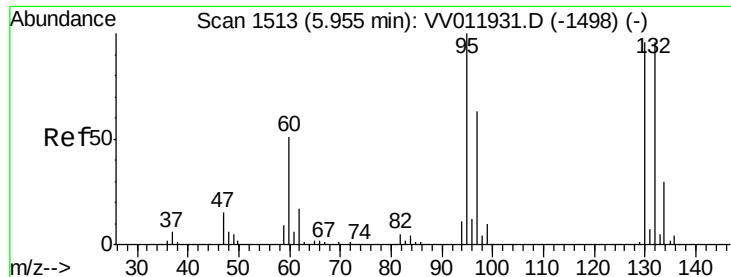
Tgt Ion: 83 Resp: 4583
Ion Ratio Lower Upper
83 100
85 55.9 42.5 78.9



#27
1,2-Dichloroethane
Concen: 0.118 ug/L
RT: 5.10 min Scan# 1247
Delta R.T. -0.08 min
Lab File: VV011942.D
Acq: 18 Jul 2019 18:43

Tgt Ion: 62 Resp: 1450
Ion Ratio Lower Upper
62 100
98 0.0 7.2 10.8#





#34

Trichloroethene

Concen: 6.941 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011942.D

Acq: 18 Jul 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

A52M6DL

Tgt Ion: 95 Resp: 79559

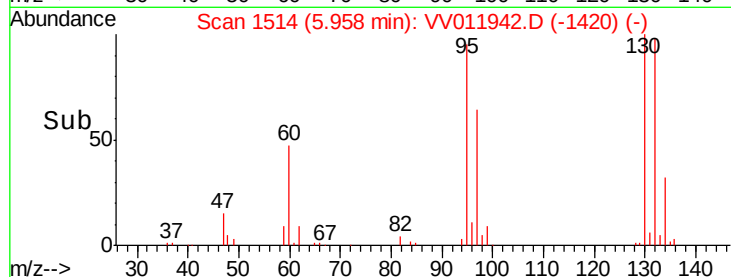
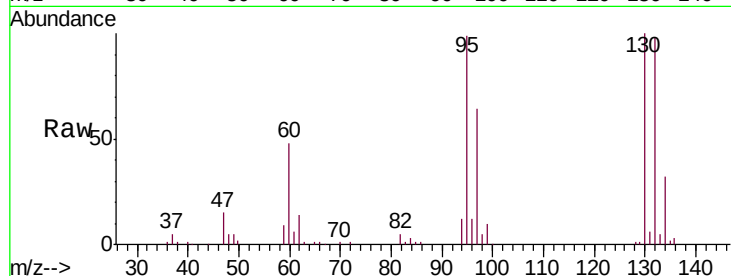
Ion Ratio Lower Upper

95 100

97 64.9 44.0 81.6

132 99.6 67.0 124.4

130 101.4 69.1 128.3

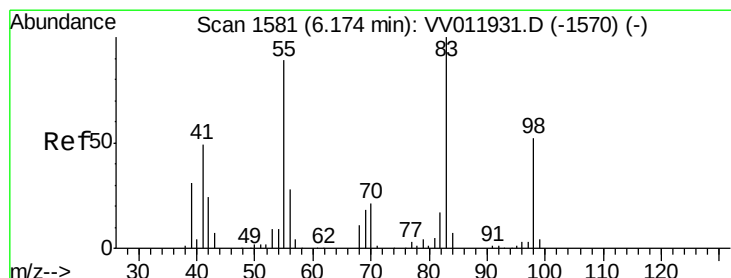
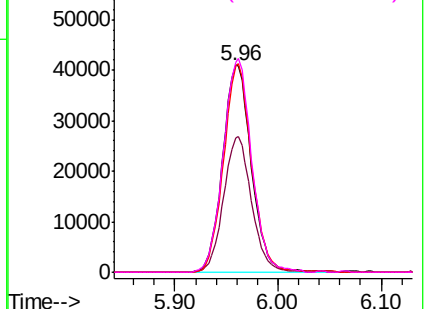


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.869 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV011942.D

Acq: 18 Jul 2019 18:43

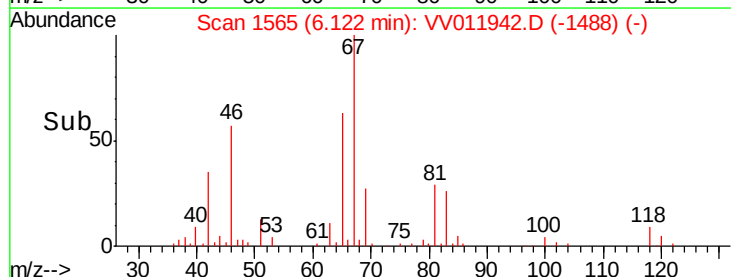
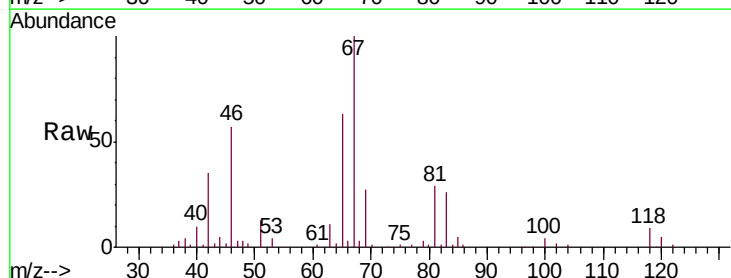
Tgt Ion: 83 Resp: 15118

Ion Ratio Lower Upper

83 100

55 0.0 66.7 100.1#

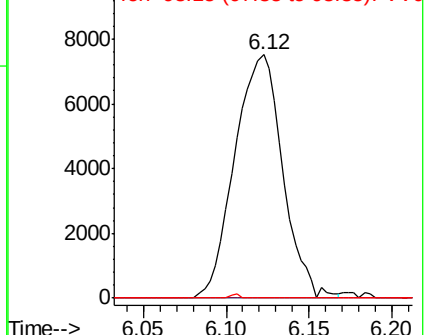
98 2.7 39.0 58.4#

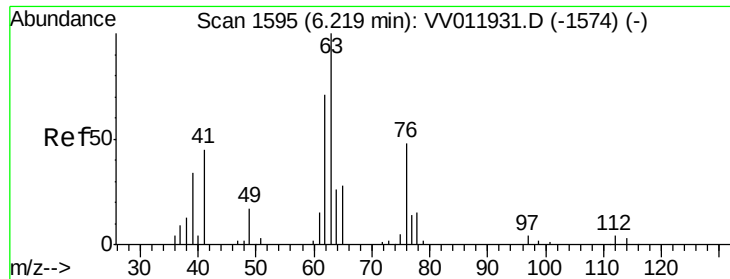


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

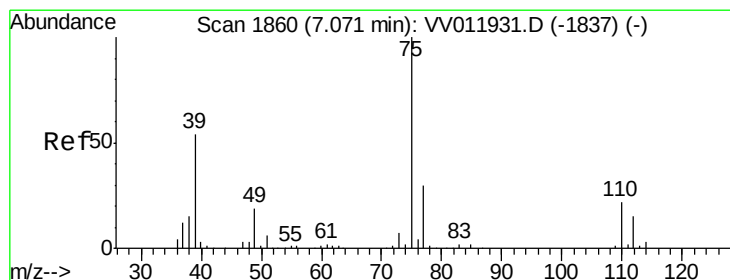
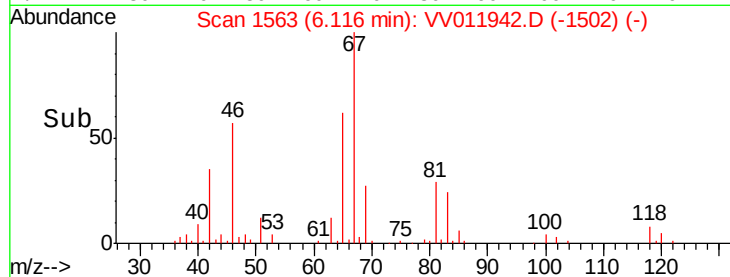
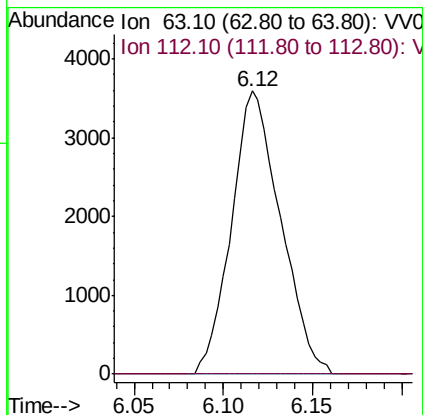
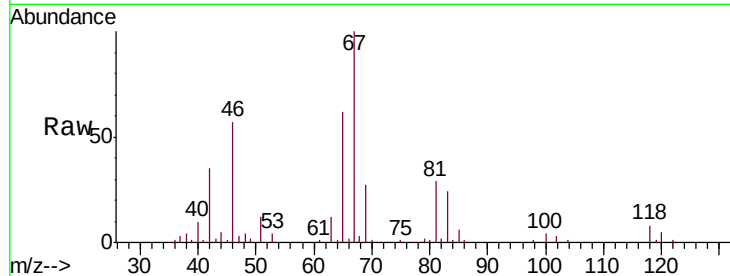




#37
 1,2-Dichloropropane
 Concen: 0.686 ug/L
 RT: 6.12 min Scan# 1563
 Delta R.T. -0.10 min
 Lab File: VV011942.D
 Acq: 18 Jul 2019 18:43

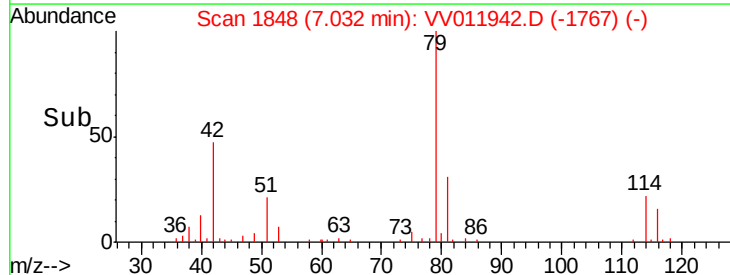
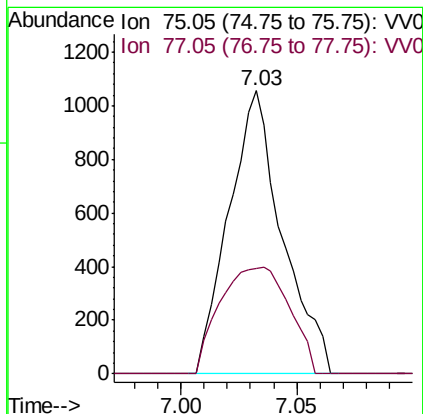
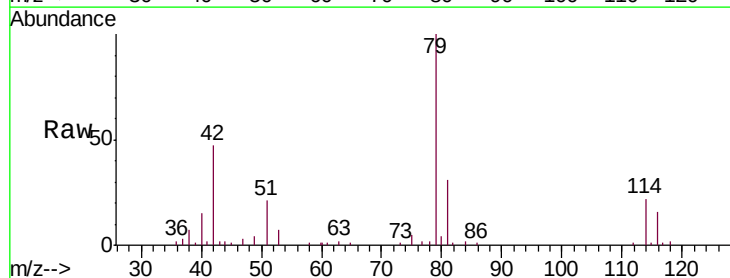
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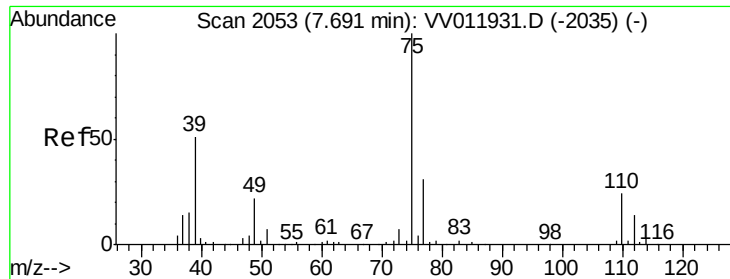
Tgt Ion: 63 Resp: 6907
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.2#



#39
 cis-1,3-Dichloropropene
 Concen: 0.123 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV011942.D
 Acq: 18 Jul 2019 18:43

Tgt Ion: 75 Resp: 1692
 Ion Ratio Lower Upper
 75 100
 77 37.2 21.6 40.2





#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV011942.D

Acq: 18 Jul 2019 18:43

Instrument :

MSVOA_V

ClientSampleId :

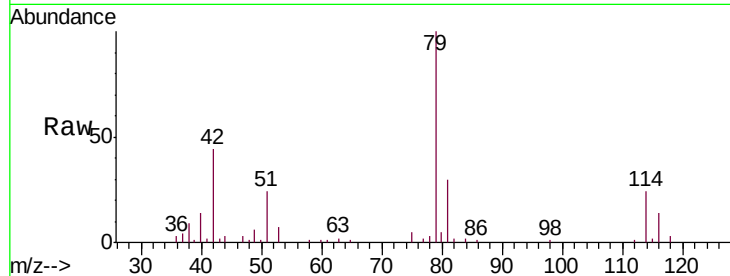
A52M6DL

Tgt Ion: 75 Resp: 1048

Ion Ratio Lower Upper

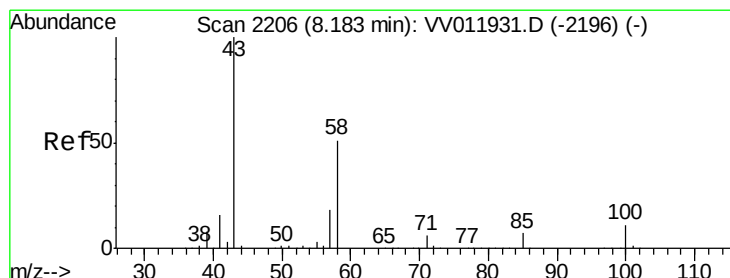
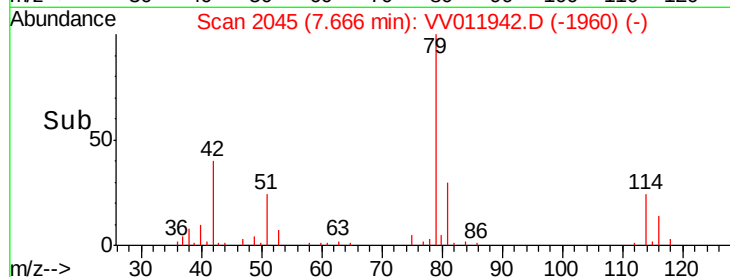
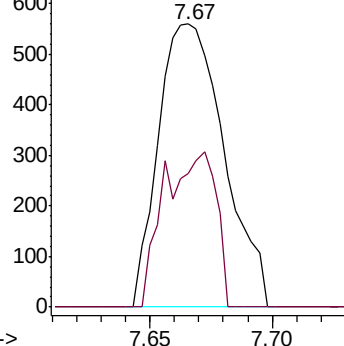
75 100

77 47.3 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 1.860 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV011942.D

Acq: 18 Jul 2019 18:43

Tgt Ion: 43 Resp: 8057

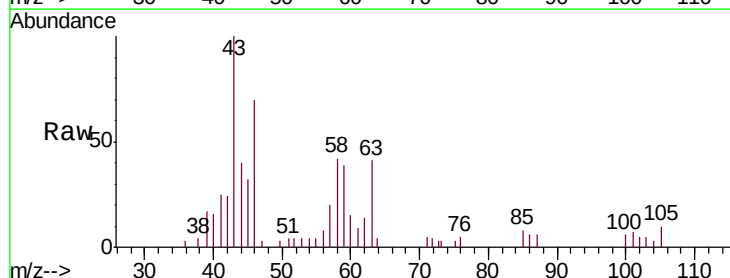
Ion Ratio Lower Upper

43 100

58 40.0 41.1 61.7#

57 21.6 14.3 21.5#

100 0.5 8.7 13.1#

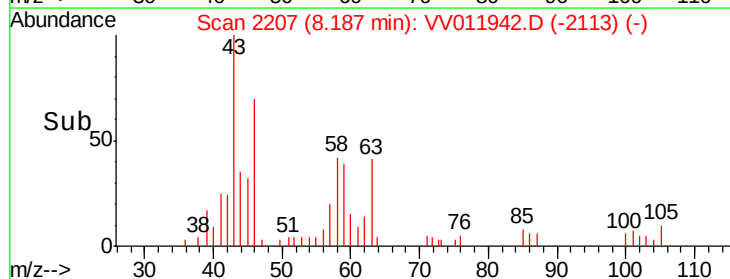
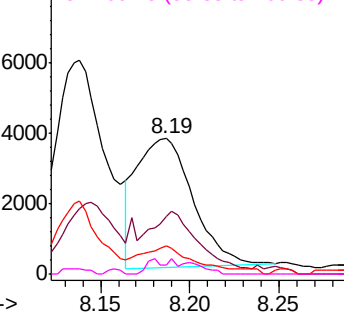


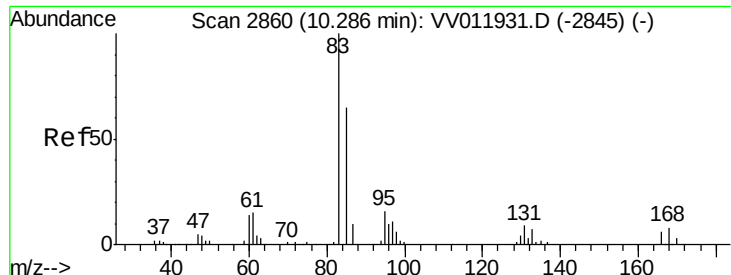
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.060 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.03 min

Lab File: VV011942.D

Acq: 18 Jul 2019 18:43

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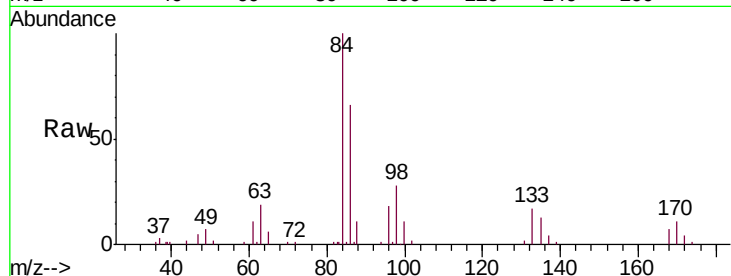
Tgt Ion: 83 Resp: 390

Ion Ratio Lower Upper

83 100

85 110.8 44.9 83.3#

131 171.7 8.2 12.2#



Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

