

Data File : VV011936.D
Acq On : 18 Jul 2019 16:16
Operator : SY/MD
Sample : K3823-13
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52N6

Quant Time: Jul 19 05:47:04 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	155348	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	148870	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	69489	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41635	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	1.59	69	33732	3.57	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.40%
11) 1,1-Dichloroethene-d2	2.13	63	61317	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	3.94	46	137251	47.63	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.26%
24) Chloroform-d	4.40	84	109637	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.08	65	58655	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	221183	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.12	67	67056	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	191188	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.67	79	23191	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	95656	48.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39012	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	75417	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

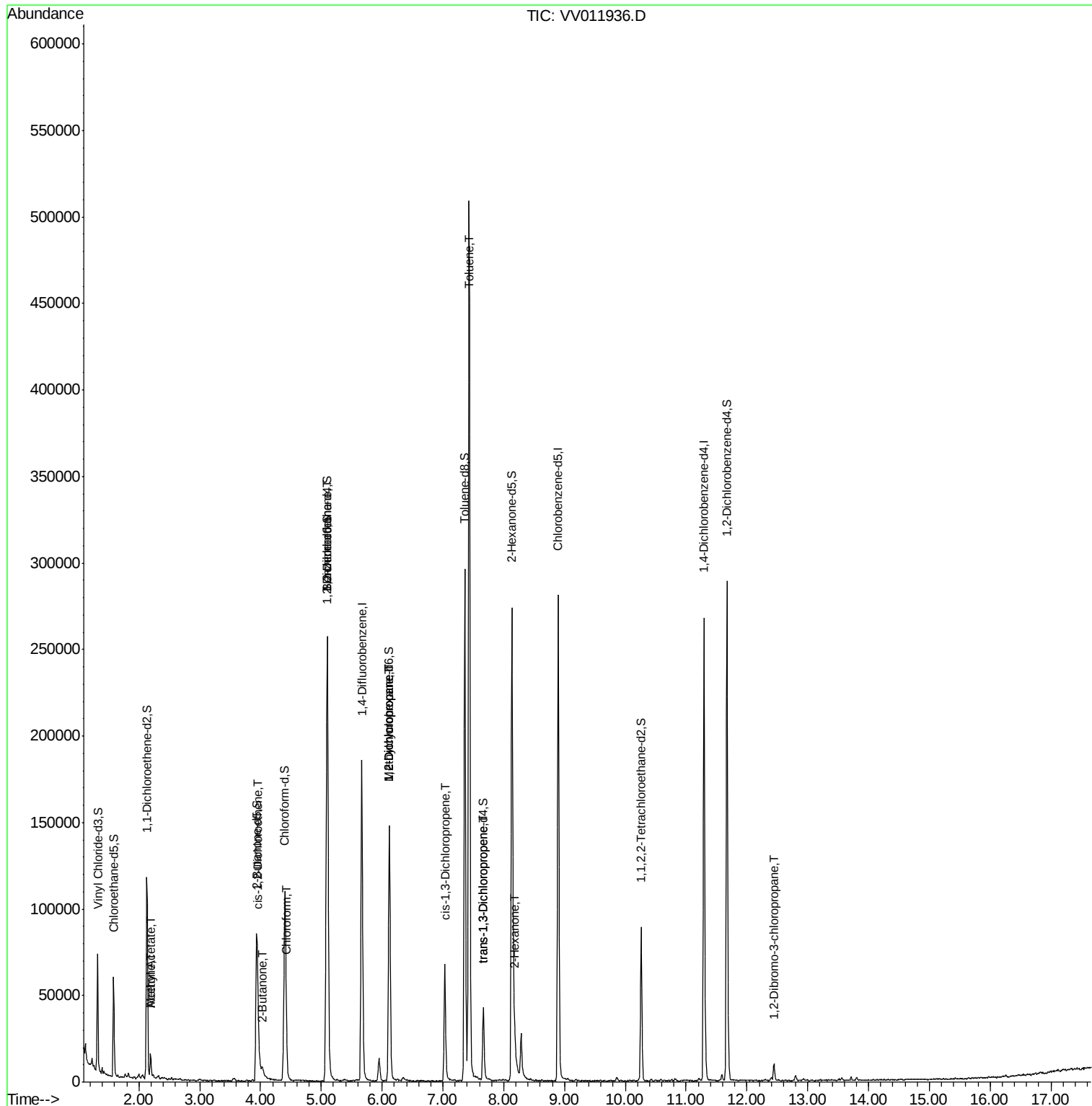
					Qvalue
13) Acetone	2.19	43	12297	8.409 ug/L	97
15) Methyl Acetate	2.19	43	11374	3.658 ug/L #	53
21) 2-Butanone	4.04	43	8690	3.031 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	1094	0.091 ug/L	98
25) Chloroform	4.43	83	2612	0.110 ug/L	97
27) 1,2-Dichloroethane	5.10	62	1548	0.111 ug/L #	75
35) Methylcyclohexane	6.12	83	16952	0.863 ug/L #	16
37) 1,2-Dichloropropane	6.12	63	7680	0.675 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	1752	0.113 ug/L #	53
42) Toluene	7.43	91	356035	7.284 ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	1128	0.091 ug/L #	78
48) 2-Hexanone	8.18	43	8155	1.667 ug/L #	83
66) 1,2-Dibromo-3-chloropropan	12.44	75	1572	1.321 ug/L #	3

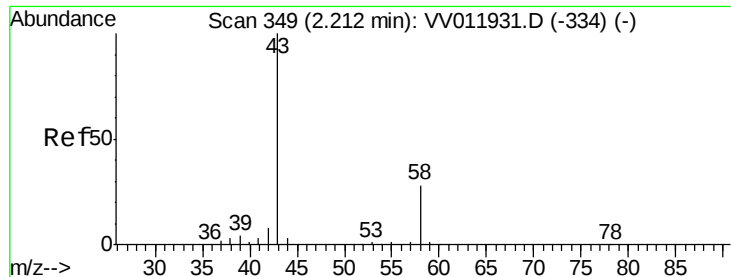
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 8.409 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011936.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA_V

ClientSampleId :

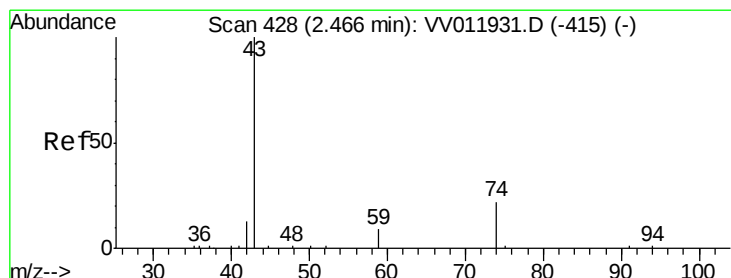
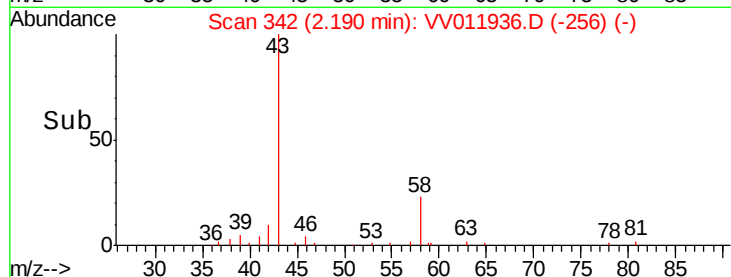
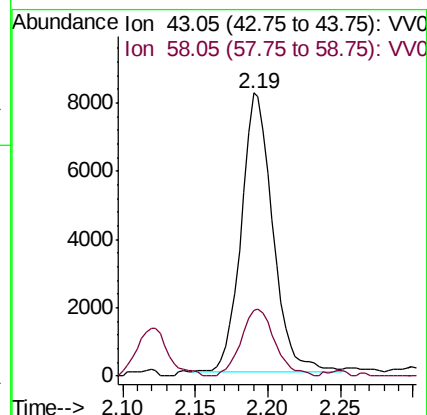
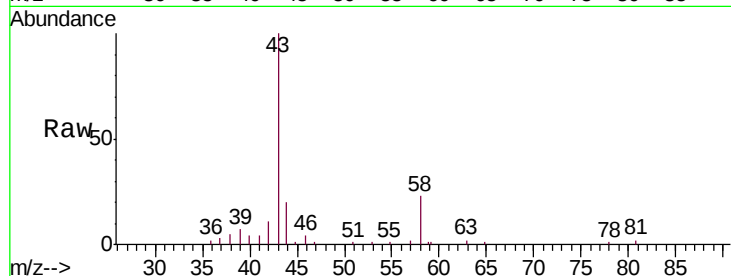
A52N6

Tgt Ion: 43 Resp: 12297

Ion Ratio Lower Upper

43 100

58 26.0 0.0 55.6



#15

Methyl Acetate

Concen: 3.658 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.28 min

Lab File: VV011936.D

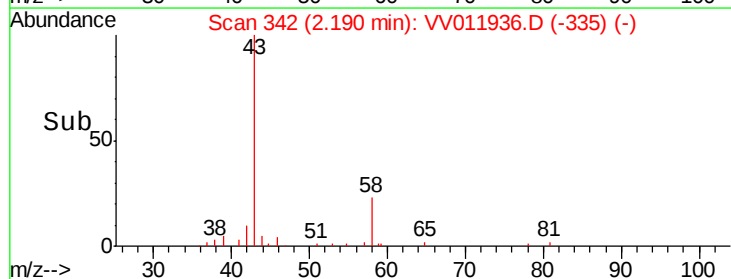
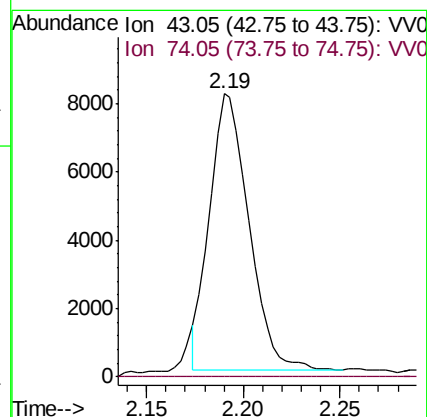
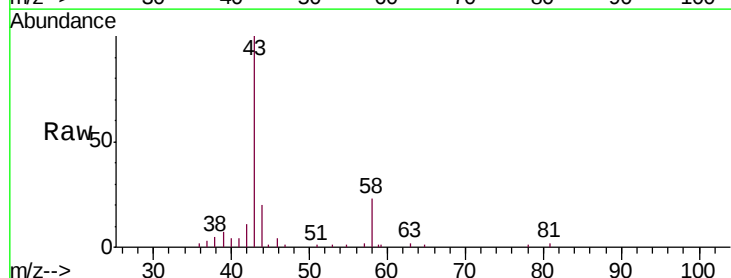
Acq: 18 Jul 2019 16:16

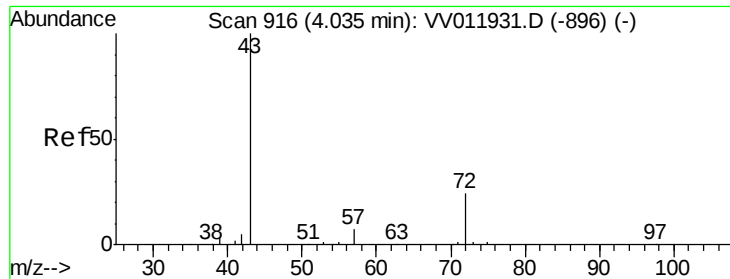
Tgt Ion: 43 Resp: 11374

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#





#21

2-Butanone

Concen: 3.031 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV011936.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA_V

ClientSampled :

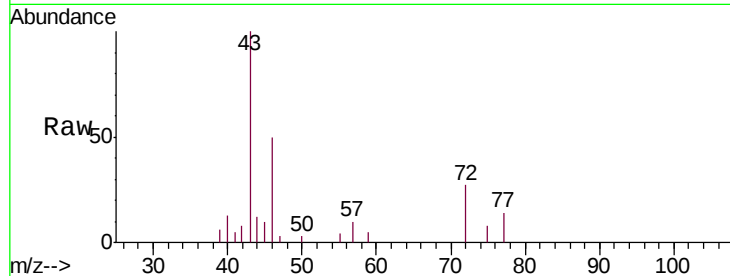
A52N6

Tgt Ion: 43 Resp: 8690

Ion Ratio Lower Upper

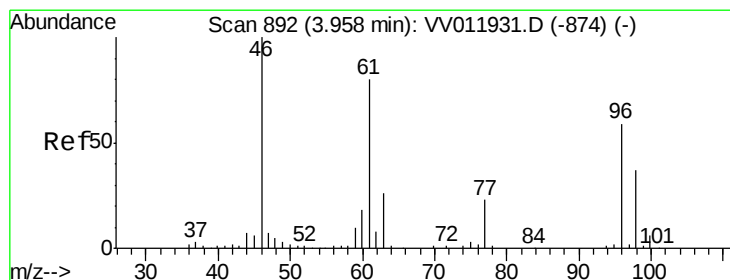
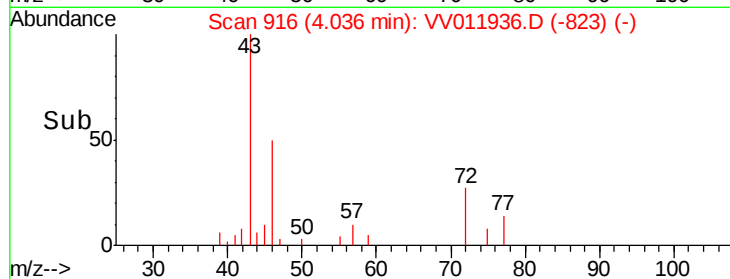
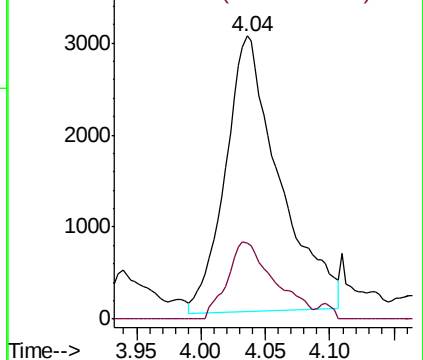
43 100

72 24.7 11.2 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.091 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV011936.D

Acq: 18 Jul 2019 16:16

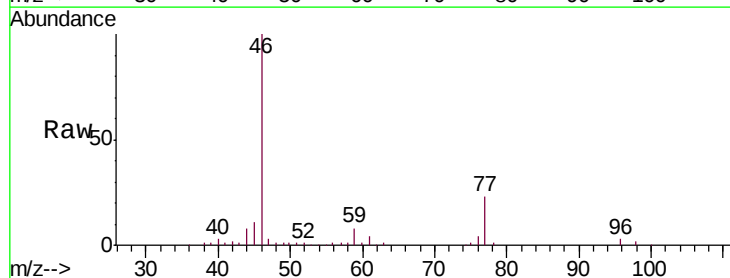
Tgt Ion: 96 Resp: 1094

Ion Ratio Lower Upper

96 100

61 133.7 95.2 176.8

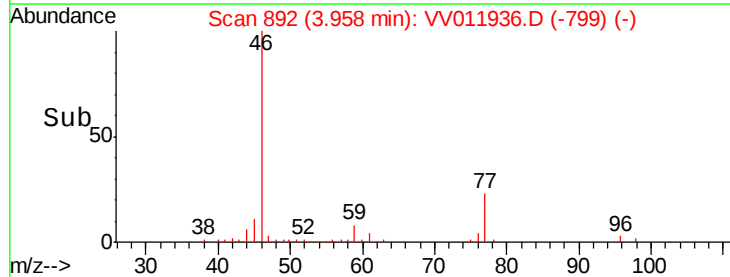
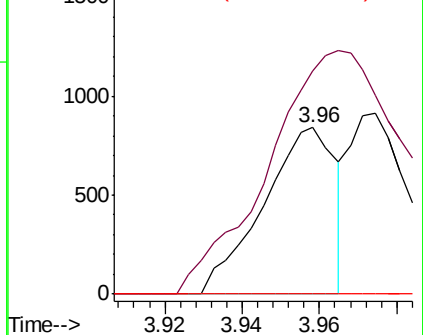
68 0.0 0.0 0.0

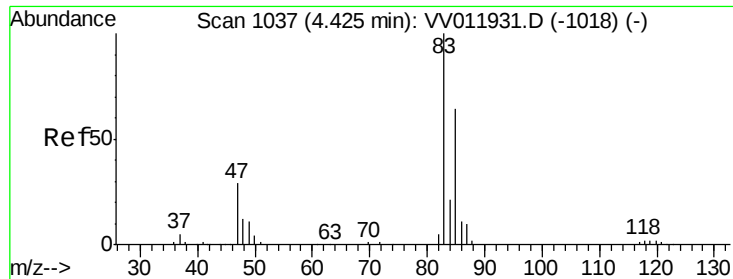


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#25

Chloroform

Concen: 0.110 ug/L

RT: 4.43 min Scan# 1040

Delta R.T. 0.01 min

Lab File: VV011936.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA_V

ClientSampled :

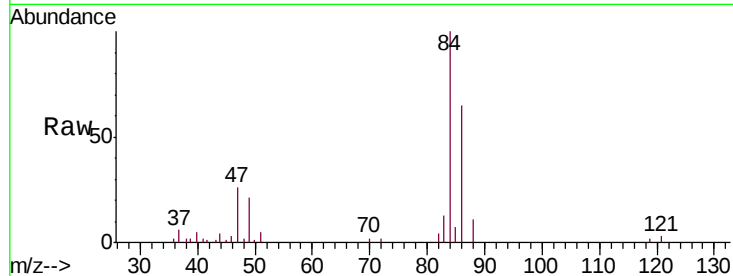
A52N6

Tgt Ion: 83 Resp: 2612

Ion Ratio Lower Upper

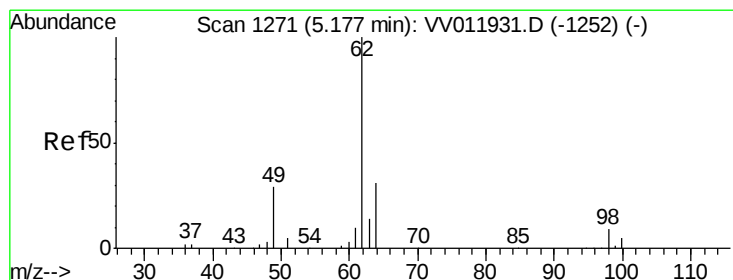
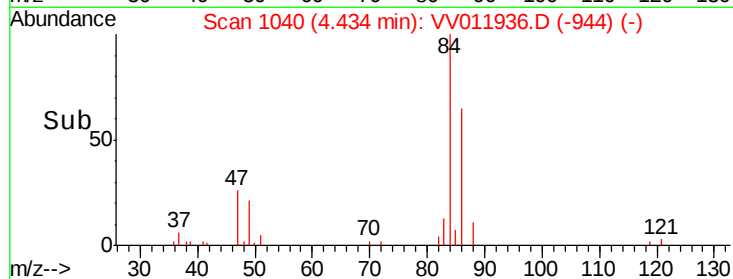
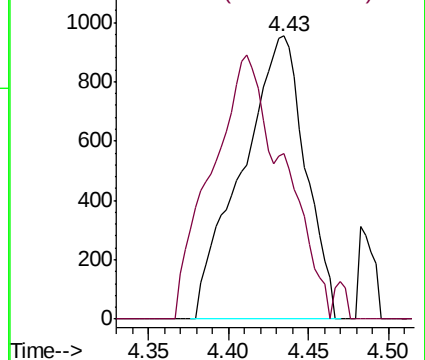
83 100

85 58.5 42.5 78.9



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 0.111 ug/L

RT: 5.10 min Scan# 1247

Delta R.T. -0.08 min

Lab File: VV011936.D

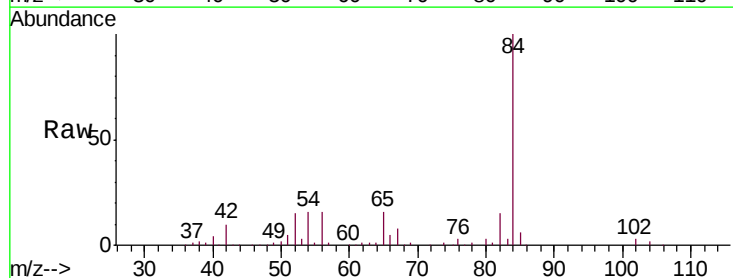
Acq: 18 Jul 2019 16:16

Tgt Ion: 62 Resp: 1548

Ion Ratio Lower Upper

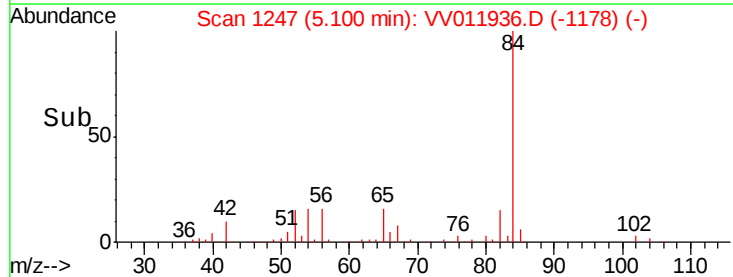
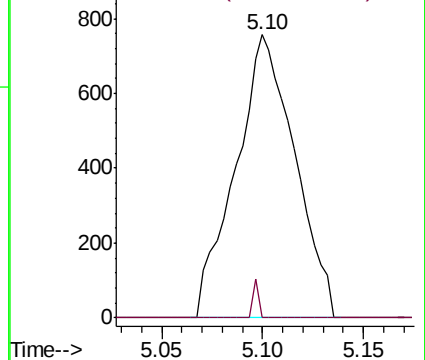
62 100

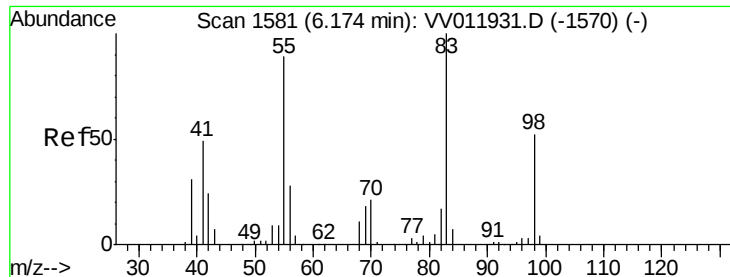
98 0.0 7.2 10.8#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

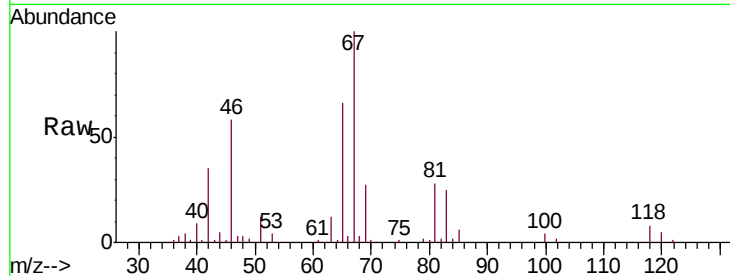




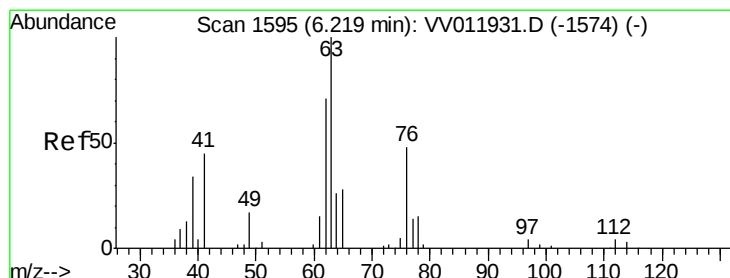
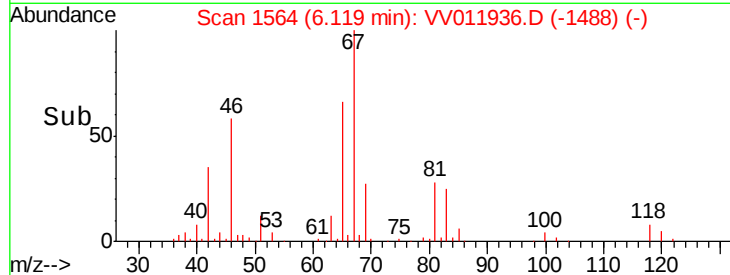
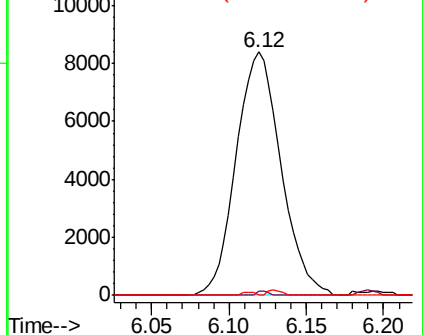
#35
Methylcyclohexane
Concen: 0.863 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011936.D
Acq: 18 Jul 2019 16:16

Instrument :
MSVOA_V
ClientSampled :
A52N6

Tgt Ion: 83 Resp: 16952
Ion Ratio Lower Upper
83 100
55 0.4 66.7 100.1#
98 0.7 39.0 58.4#

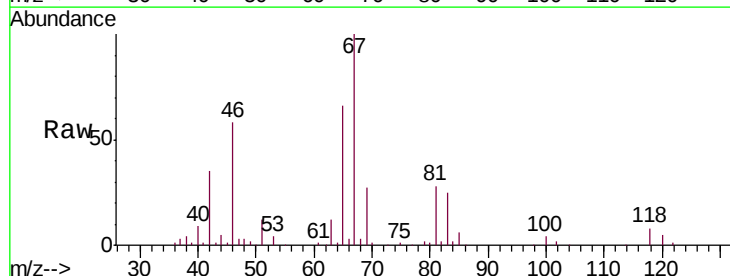


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

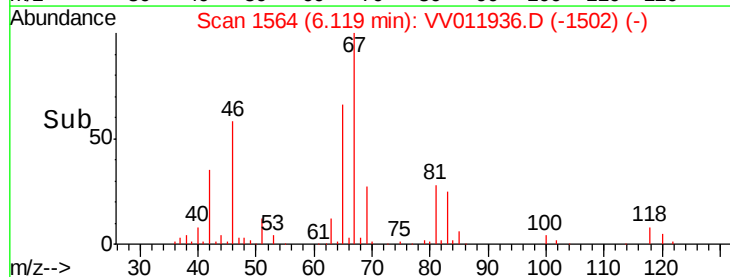
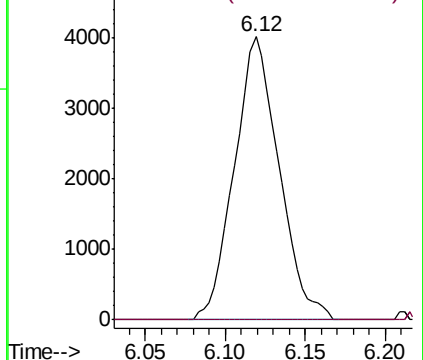


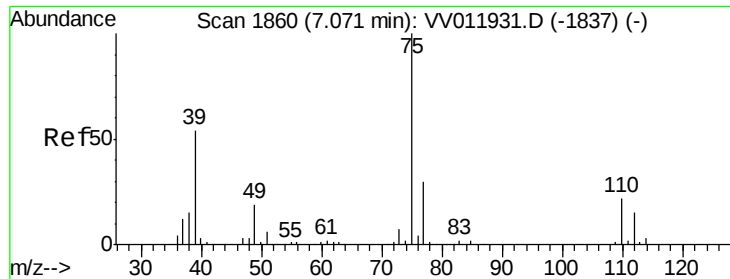
#37
1,2-Dichloropropane
Concen: 0.675 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV011936.D
Acq: 18 Jul 2019 16:16

Tgt Ion: 63 Resp: 7680
Ion Ratio Lower Upper
63 100
112 0.3 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

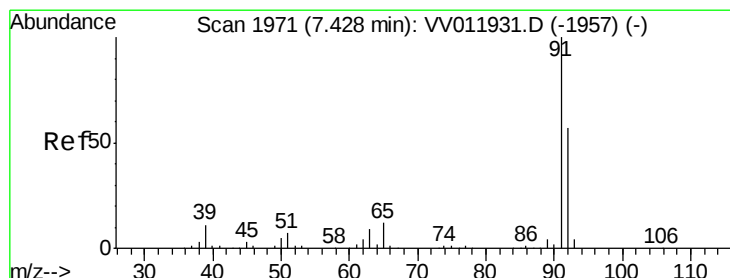
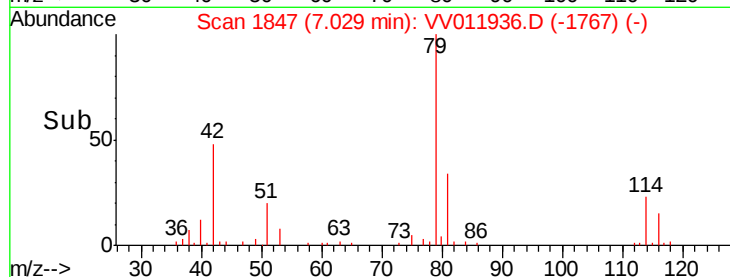
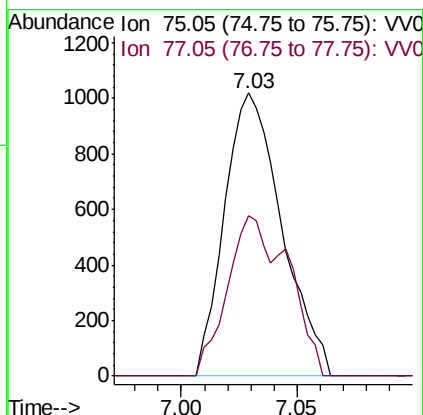
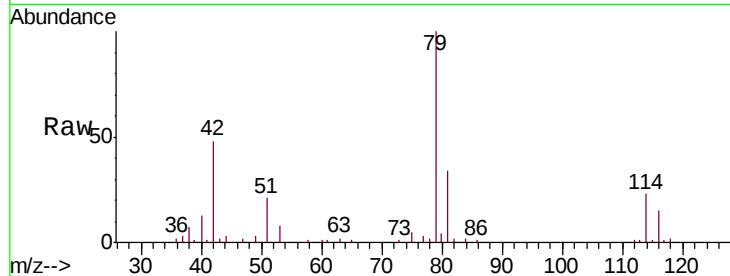




#39
 cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011936.D
 Acq: 18 Jul 2019 16:16

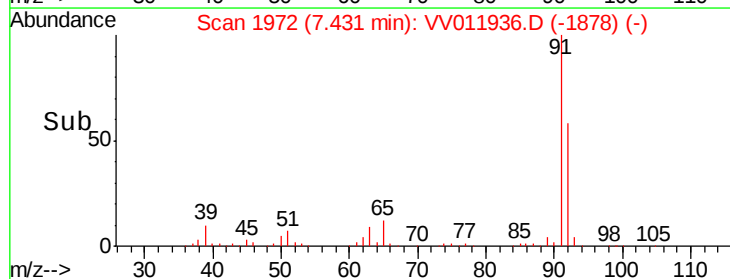
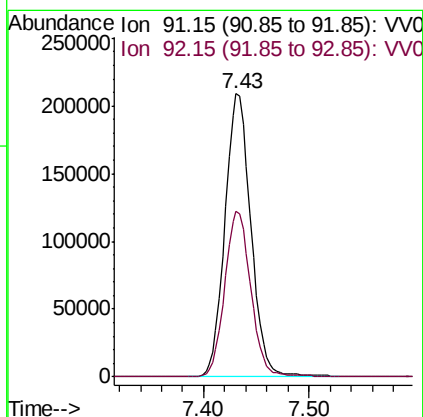
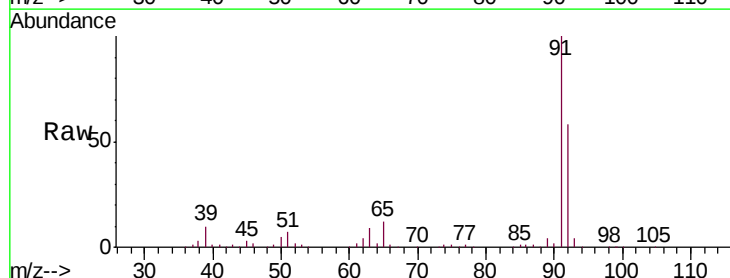
Instrument :
 MSVOA_V
 ClientSampleId :
 A52N6

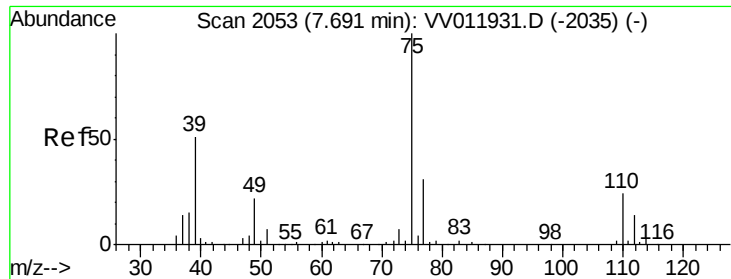
Tgt Ion: 75 Resp: 1752
 Ion Ratio Lower Upper
 75 100
 77 56.6 21.6 40.2#



#42
 Toluene
 Concen: 7.284 ug/L
 RT: 7.43 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VV011936.D
 Acq: 18 Jul 2019 16:16

Tgt Ion: 91 Resp: 356035
 Ion Ratio Lower Upper
 91 100
 92 58.4 41.1 76.3

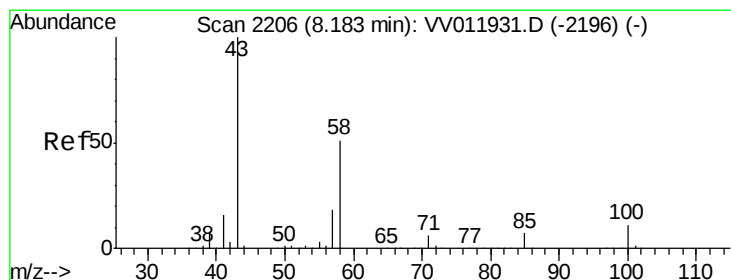
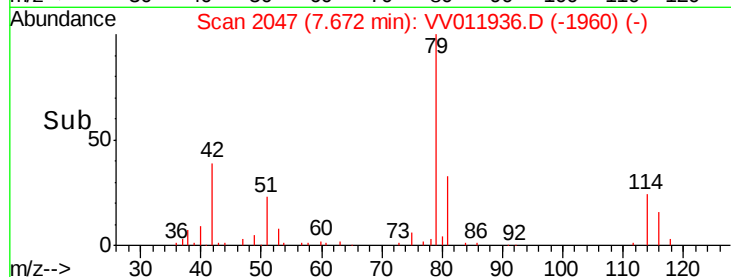
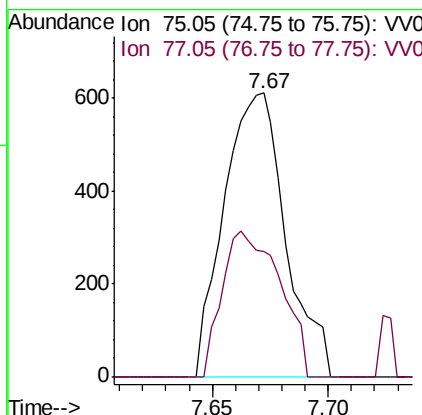
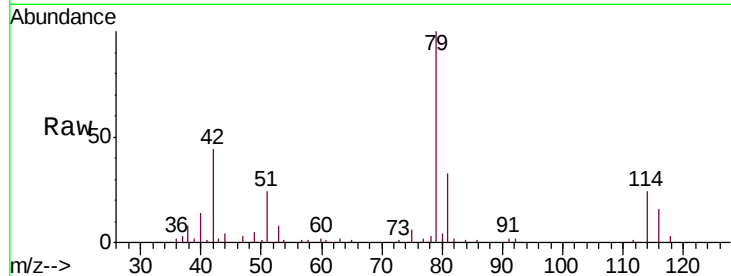




#44
trans-1,3-Dichloropropene
Concen: 0.091 ug/L
RT: 7.67 min Scan# 2047
Delta R.T. -0.02 min
Lab File: VV011936.D
Acq: 18 Jul 2019 16:16

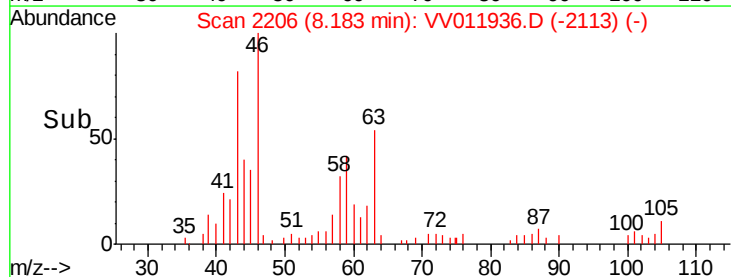
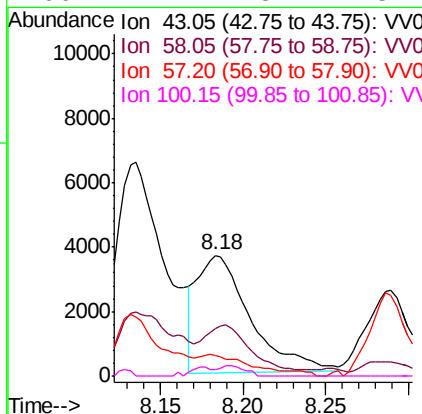
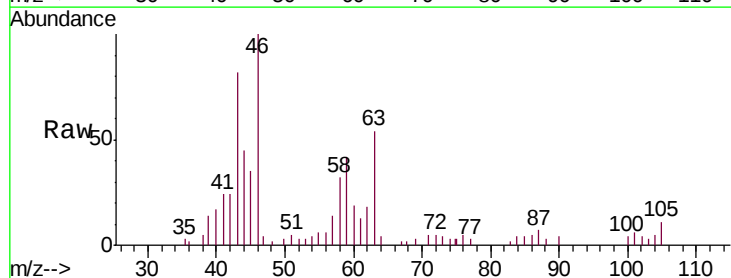
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MSVOA_V
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A52N6

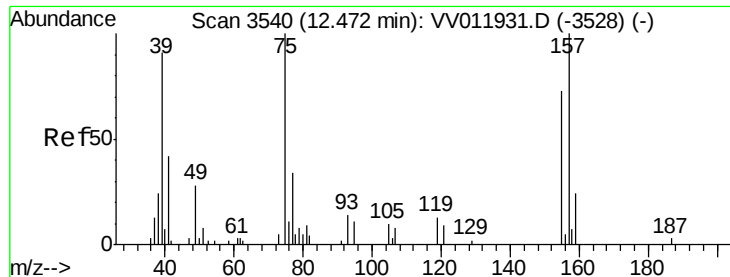
Tgt Ion: 75 Resp: 1128
Ion Ratio Lower Upper
75 100
77 44.2 22.3 41.3#



#48
2-Hexanone
Concen: 1.667 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011936.D
Acq: 18 Jul 2019 16:16

Tgt Ion: 43 Resp: 8155
Ion Ratio Lower Upper
43 100
58 39.7 41.1 61.7#
57 10.7 14.3 21.5#
100 4.1 8.7 13.1#





#66

1,2-Dibromo-3-chloropropane

Concen: 1.321 ug/L

RT: 12.44 min Scan# 3531

Delta R.T. -0.03 min

Lab File: VV011936.D

Acq: 18 Jul 2019 16:16

Instrument :

MSVOA_V

ClientSampleId :

A52N6

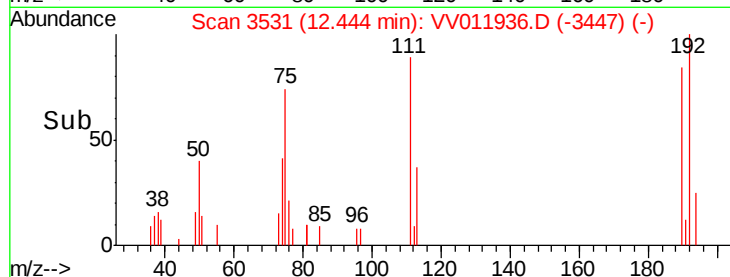
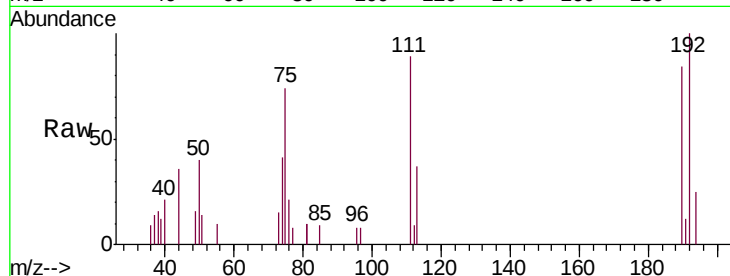
Tgt Ion: 75 Resp: 1572

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

157 0.0 85.5 128.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

