

Data File : VV011963.D
Acq On : 23 Jul 2019 14:27
Operator : SY/MD
Sample : K3823-17
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
A52W1

Quant Time: Jul 24 05:55:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 05:52:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	141987	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	133768	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67323	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	34668	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.59	69	28236	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.13	63	55482	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	3.93	46	96447	44.71	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.42%
24) Chloroform-d	4.40	84	86995	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	46802	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.10	84	179881	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.12	67	51211	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	7.36	98	164661	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	18591	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.13	63	77758	44.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	33225	4.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	65335	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

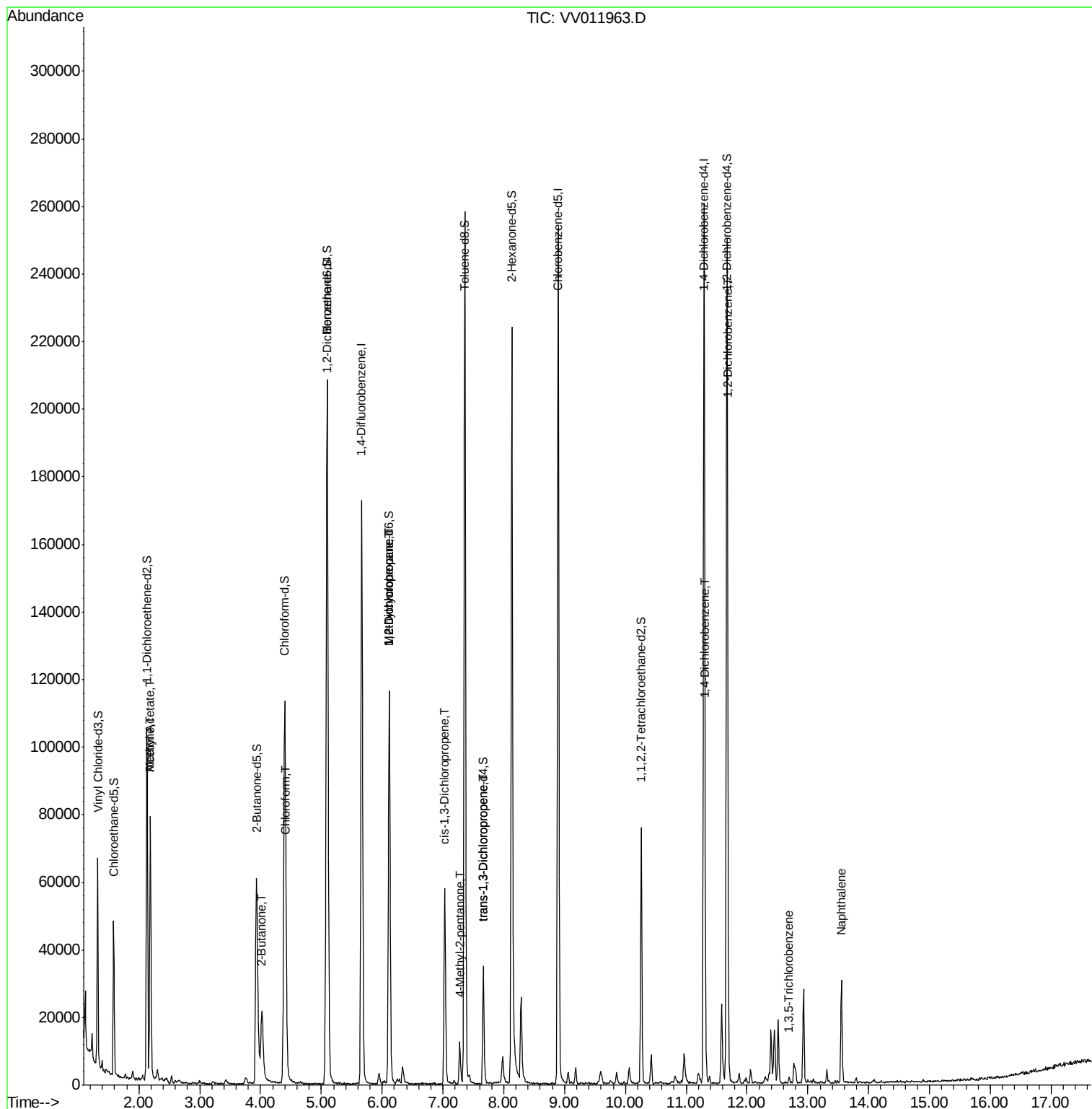
					Qvalue
13) Acetone	2.19	43	77531	66.677 ug/L	99
15) Methyl Acetate	2.19	43	64314	25.335 ug/L #	46
21) 2-Butanone	4.02	43	32579	14.605 ug/L	97
25) Chloroform	4.43	83	4828	0.225 ug/L	93
35) Methylcyclohexane	6.12	83	13068	0.768 ug/L #	17
37) 1,2-Dichloropropane	6.12	63	6294	0.665 ug/L #	84
39) cis-1,3-Dichloropropene	7.03	75	1584	0.113 ug/L	91
40) 4-Methyl-2-pentanone	7.27	43	8482	1.605 ug/L #	87
44) trans-1,3-Dichloropropene	7.66	75	1082	0.097 ug/L #	60
63) 1,4-Dichlorobenzene	11.32	146	2043	0.090 ug/L	89
65) 1,2-Dichlorobenzene	11.69	146	2390	0.118 ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	785	0.043 ug/L #	83
69) Naphthalene	13.55	128	23718	1.052 ug/L	99

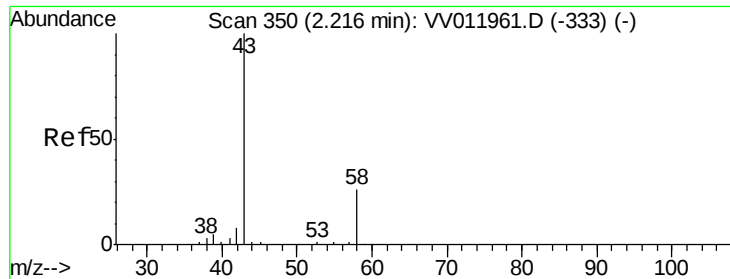
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 66.677 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.03 min

Lab File: VV011963.D

Acq: 23 Jul 2019 14:27

Instrument :

MSVOA_V

ClientSampled :

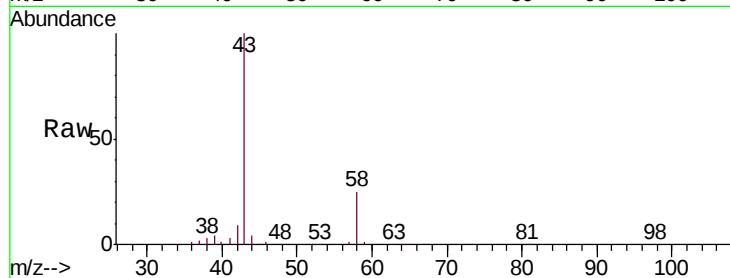
A52W1

Tgt Ion: 43 Resp: 77531

Ion Ratio Lower Upper

43 100

58 25.1 0.0 51.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

60000

50000

40000

30000

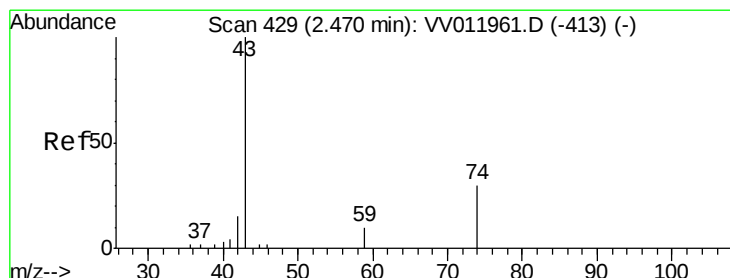
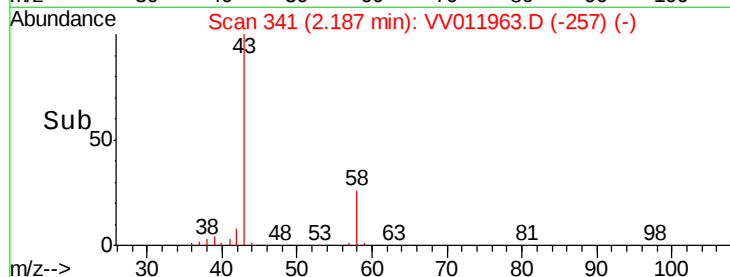
20000

10000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#15

Methyl Acetate

Concen: 25.335 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.28 min

Lab File: VV011963.D

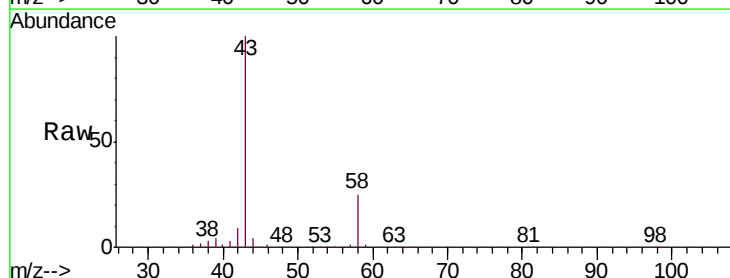
Acq: 23 Jul 2019 14:27

Tgt Ion: 43 Resp: 64314

Ion Ratio Lower Upper

43 100

74 0.2 23.4 35.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.19

60000

50000

40000

30000

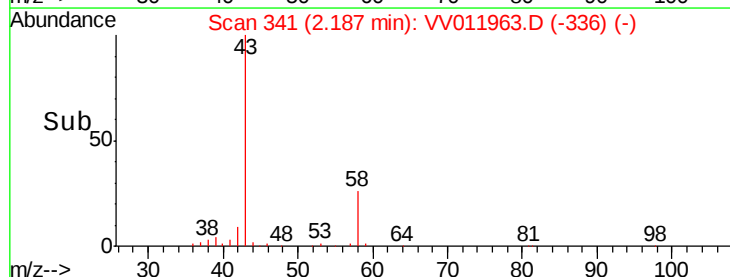
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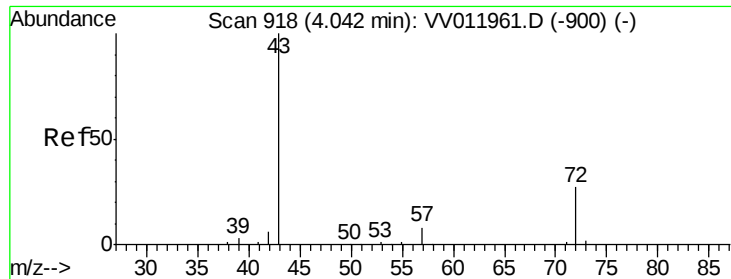
10000

0

Time-->

2.15 2.20 2.25





#21

2-Butanone

Concen: 14.605 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.02 min

Lab File: VV011963.D

Acq: 23 Jul 2019 14:27

Instrument :

MSVOA_V

ClientSampleId :

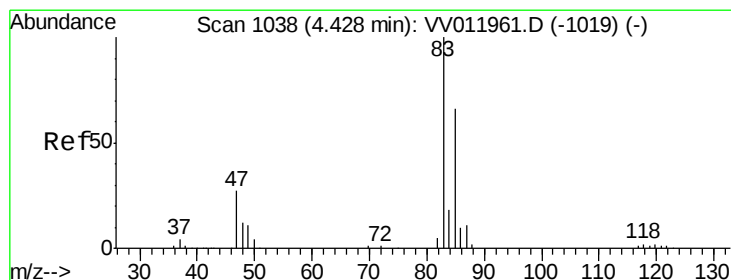
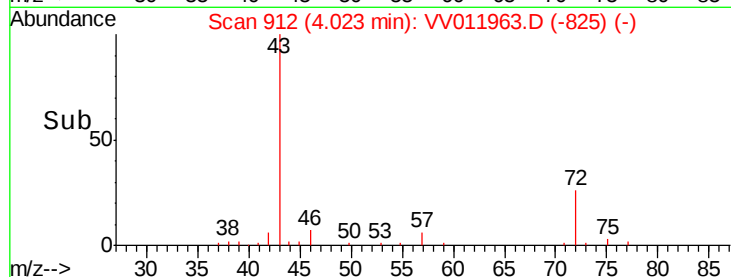
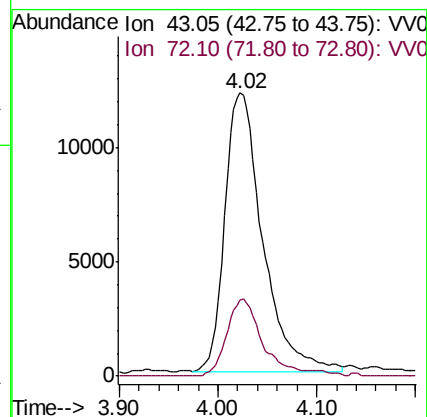
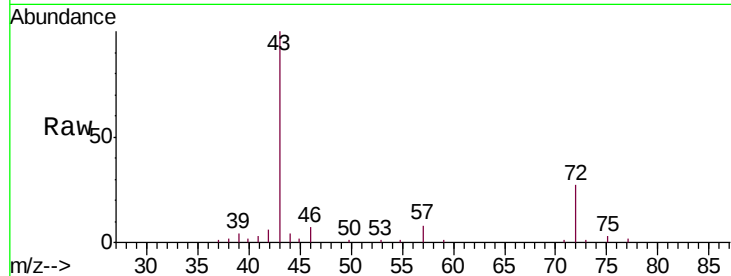
A52W1

Tgt Ion: 43 Resp: 32579

Ion Ratio Lower Upper

43 100

72 25.8 13.6 40.8



#25

Chloroform

Concen: 0.225 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV011963.D

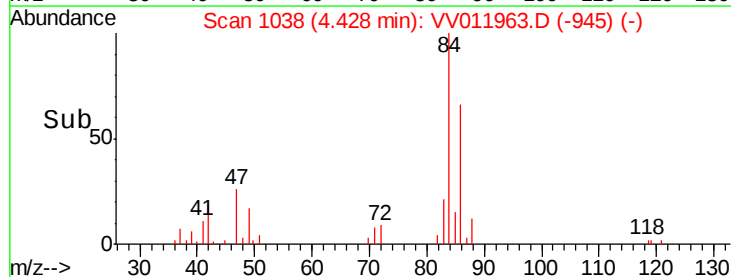
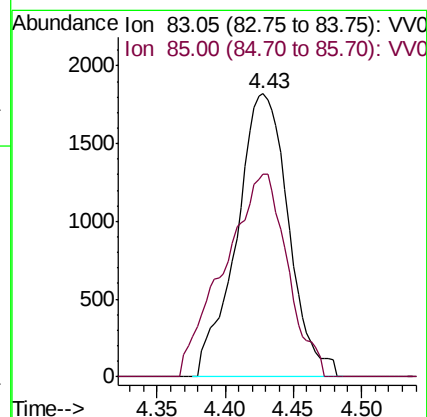
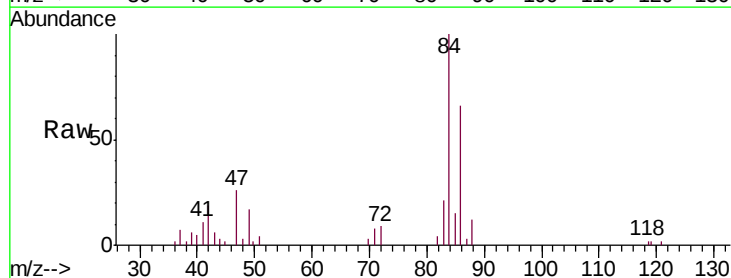
Acq: 23 Jul 2019 14:27

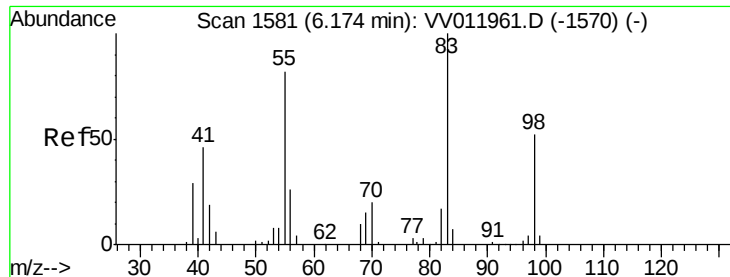
Tgt Ion: 83 Resp: 4828

Ion Ratio Lower Upper

83 100

85 71.8 46.5 86.3

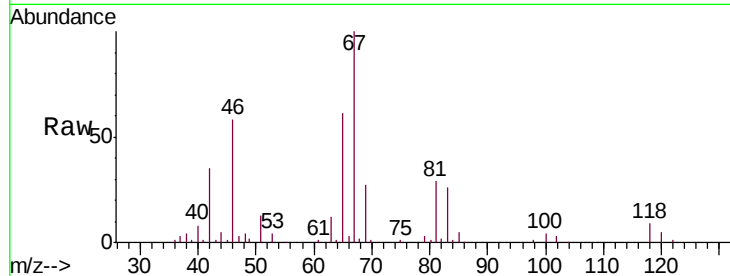




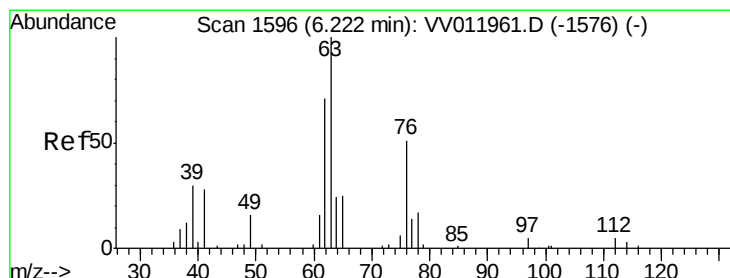
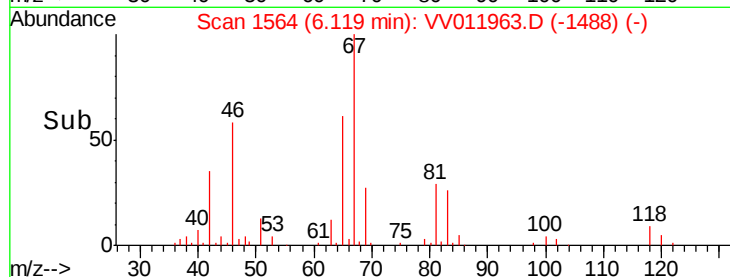
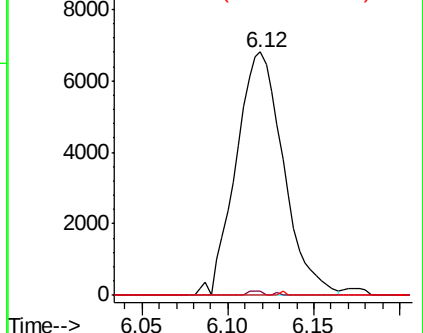
#35
Methylcyclohexane
Concen: 0.768 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.05 min
Lab File: VV011963.D
Acq: 23 Jul 2019 14:27

Instrument :
MSVOA_V
ClientSampleId :
A52W1

Tgt Ion: 83 Resp: 13068
Ion Ratio Lower Upper
83 100
55 0.5 63.0 94.4#
98 0.0 41.4 62.0#

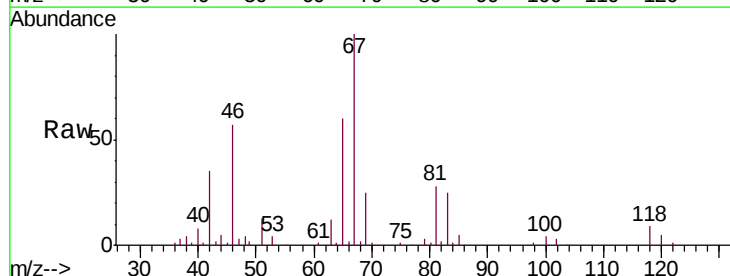


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

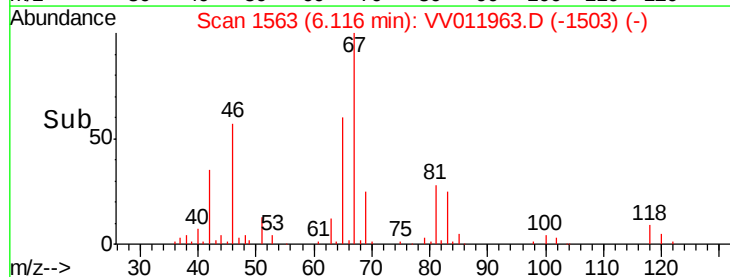
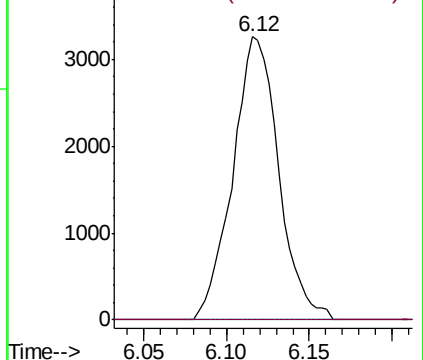


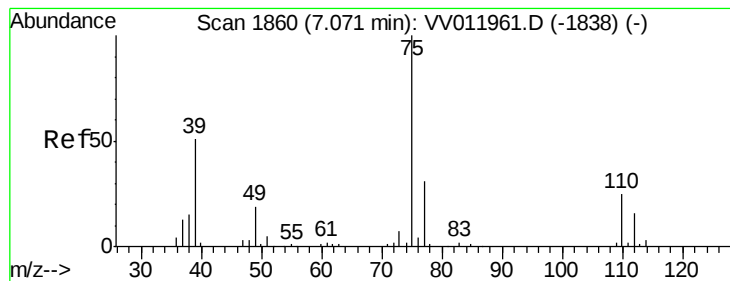
#37
1,2-Dichloropropane
Concen: 0.665 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.11 min
Lab File: VV011963.D
Acq: 23 Jul 2019 14:27

Tgt Ion: 63 Resp: 6294
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.4#



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



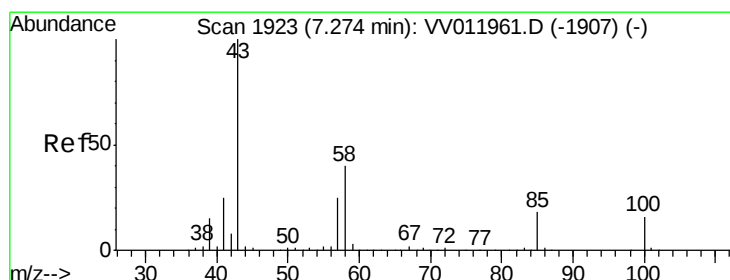
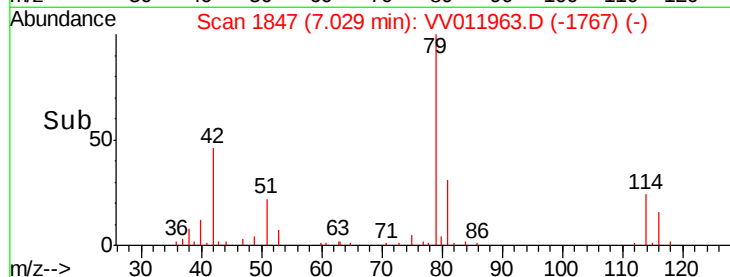
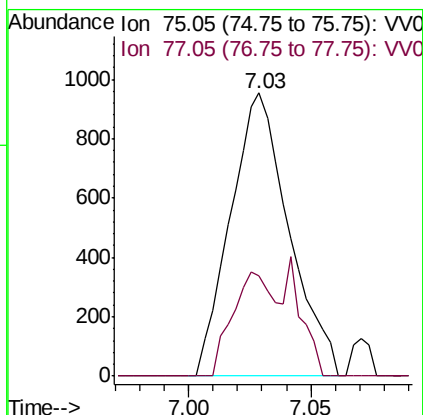
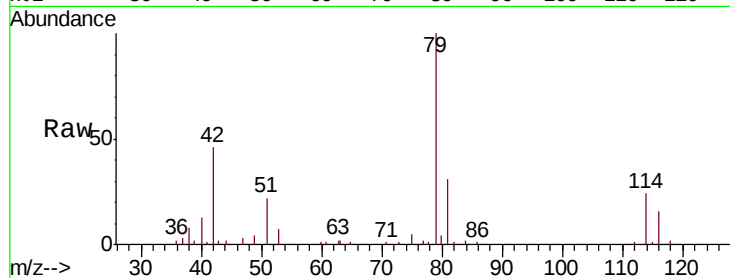


#39

cis-1,3-Dichloropropene
 Concen: 0.113 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV011963.D
 Acq: 23 Jul 2019 14:27

Instrument :
 MSVOA_V
 ClientSampleId :
 A52W1

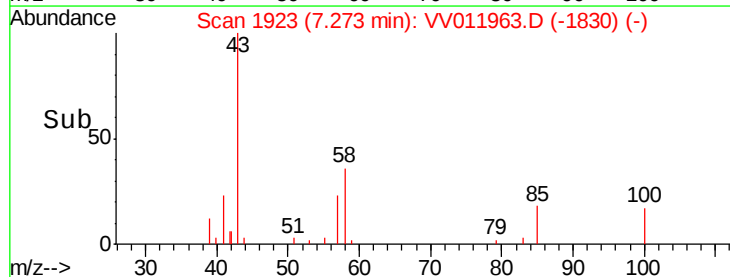
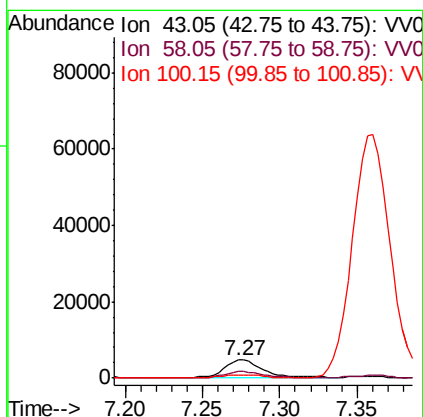
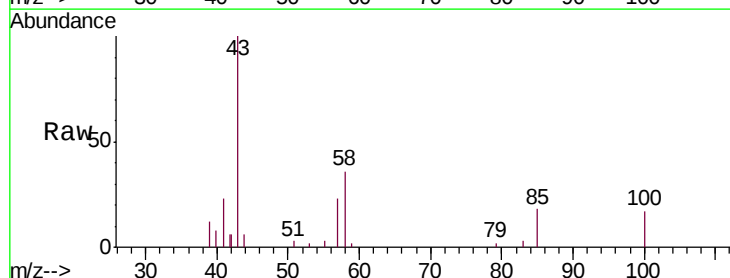
Tgt Ion: 75 Resp: 1584
 Ion Ratio Lower Upper
 75 100
 77 35.5 21.3 39.6

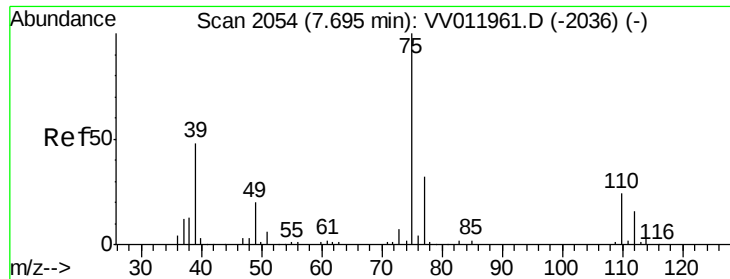


#40

4-Methyl-2-pentanone
 Concen: 1.605 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV011963.D
 Acq: 23 Jul 2019 14:27

Tgt Ion: 43 Resp: 8482
 Ion Ratio Lower Upper
 43 100
 58 37.9 31.2 46.8
 100 0.0 13.5 20.3#





#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011963.D

Acq: 23 Jul 2019 14:27

Instrument :

MSVOA_V

ClientSampleId :

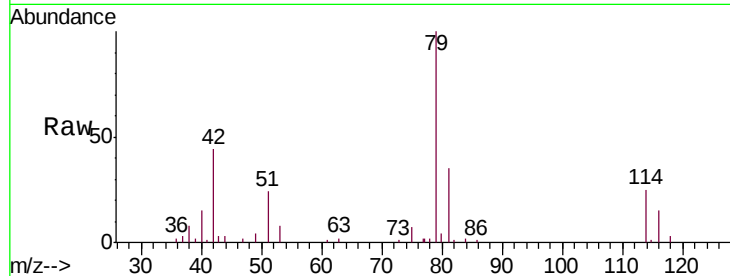
A52W1

Tgt Ion: 75 Resp: 1082

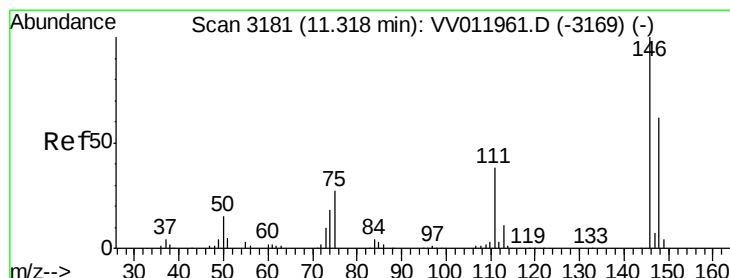
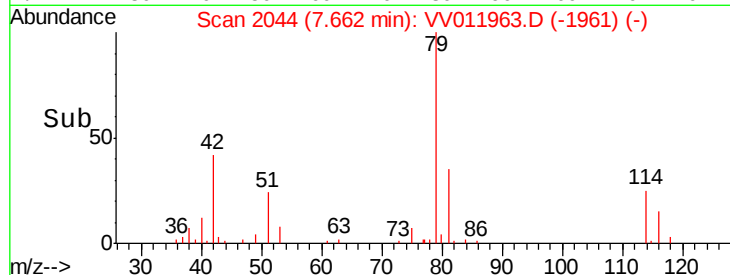
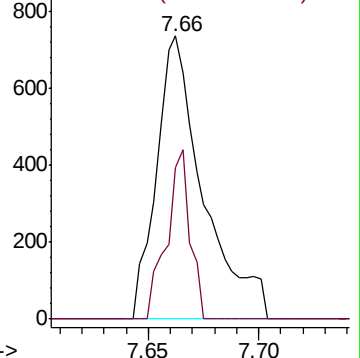
Ion Ratio Lower Upper

75 100

77 53.6 22.0 40.8#



Abundance Ion 75.05 (74.75 to 75.75): VV011961.D (-2036) (-)



#63

1,4-Dichlorobenzene

Concen: 0.090 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011963.D

Acq: 23 Jul 2019 14:27

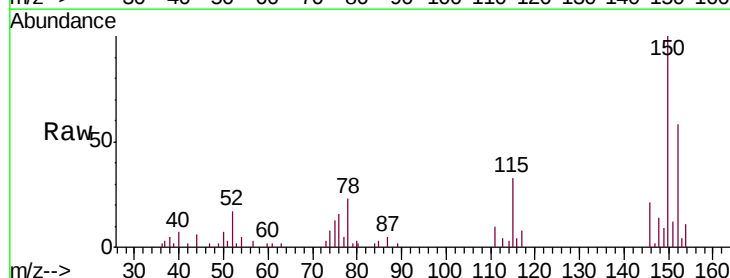
Tgt Ion: 146 Resp: 2043

Ion Ratio Lower Upper

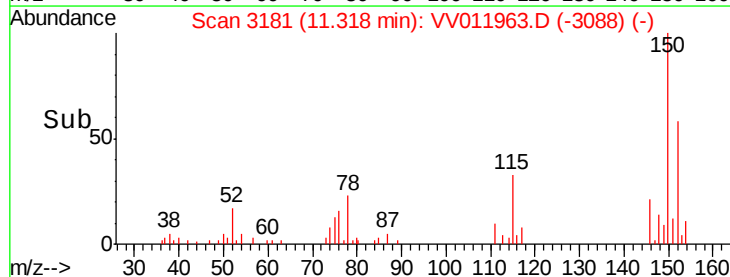
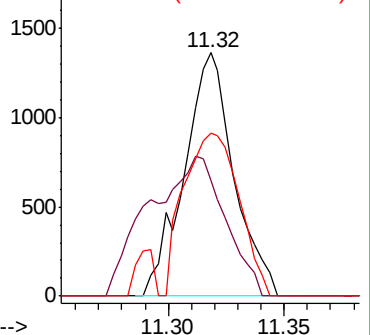
146 100

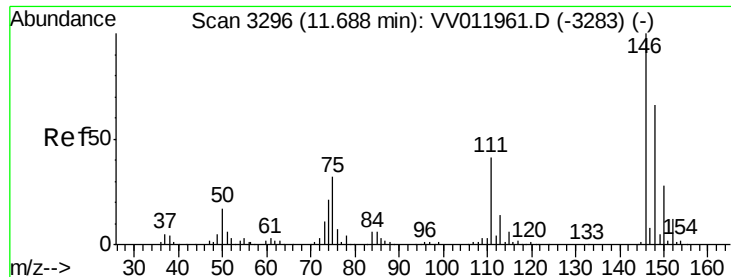
111 47.4 26.0 48.2

148 67.0 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): VV011961.D (-3169) (-)





#65

1,2-Dichlorobenzene

Concen: 0.118 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV011963.D

Acq: 23 Jul 2019 14:27

Instrument :

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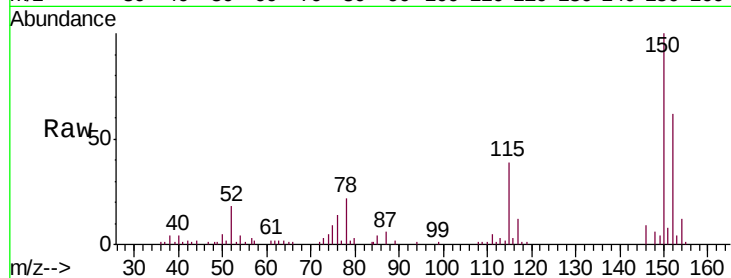
Tgt Ion:146 Resp: 2390

Ion Ratio Lower Upper

146 100

111 55.0 32.5 48.7#

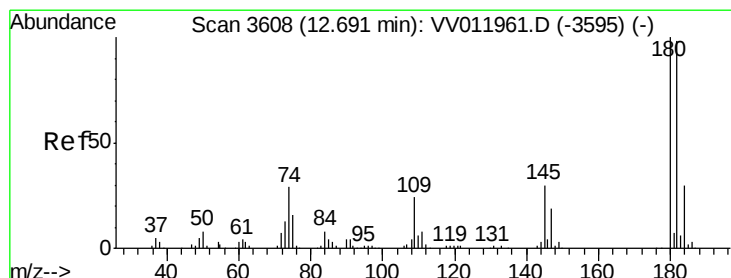
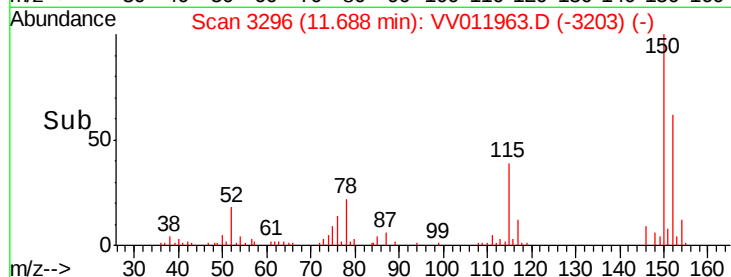
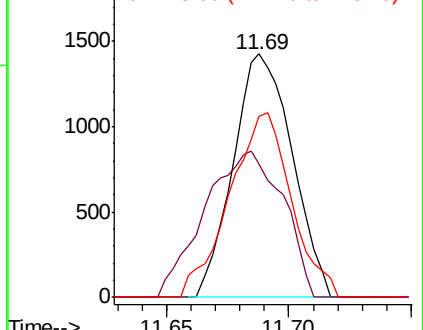
148 74.1 51.4 77.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.043 ug/L

RT: 12.69 min Scan# 3609

Delta R.T. 0.00 min

Lab File: VV011963.D

Acq: 23 Jul 2019 14:27

Tgt Ion:180 Resp: 785

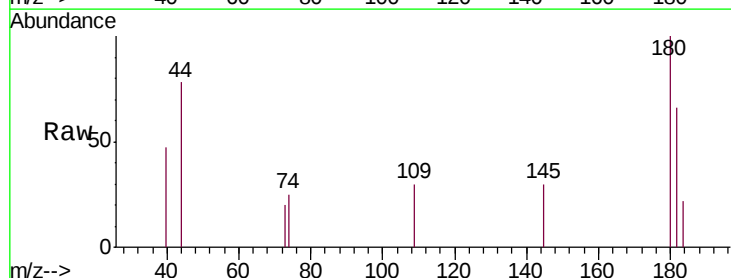
Ion Ratio Lower Upper

180 100

182 88.9 77.4 116.0

184 12.1 25.2 37.8#

145 16.9 24.4 36.6#

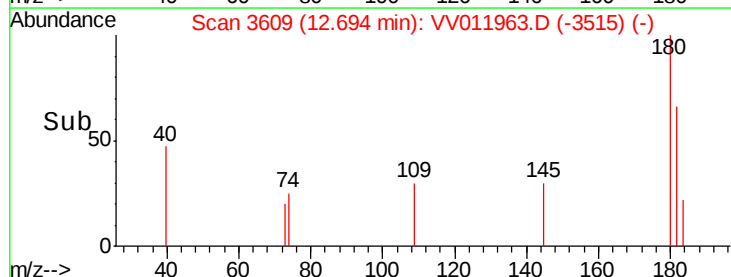
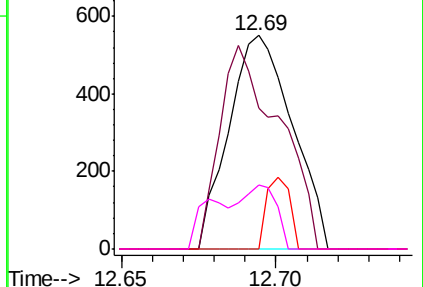


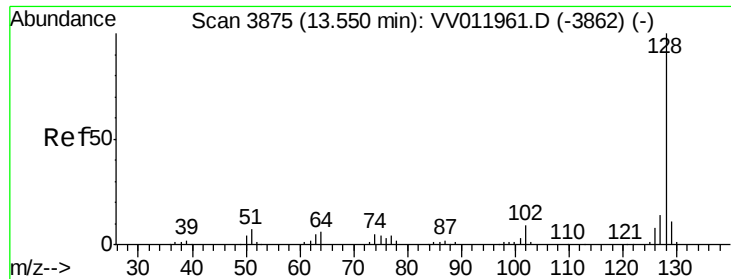
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.052 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV011963.D

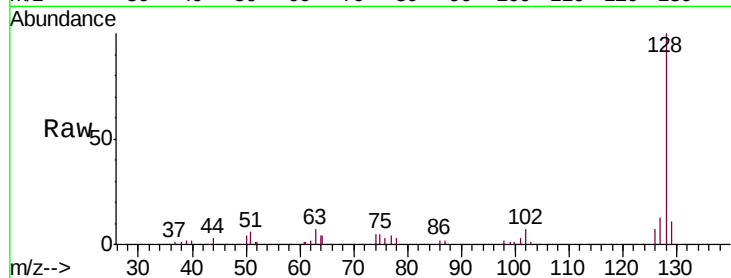
Acq: 23 Jul 2019 14:27

Instrument :

MSVOA_V

ClientSampleId :

A52W1



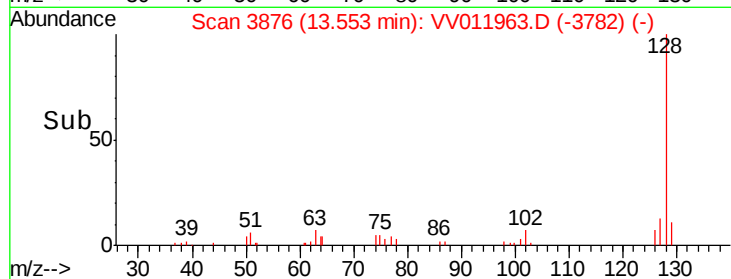
Tgt Ion:128 Resp: 23718

Ion Ratio Lower Upper

128 100

129 11.1 8.2 12.2

127 13.2 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

20000 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

