

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017956.D
 Acq On : 13 Aug 2020 03:40
 Operator : SY/MD
 Sample : L3644-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L68

Quant Time: Aug 13 06:03:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	243178	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	239202	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	109899	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76809	41.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	70399	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.76%
11) 1,1-Dichloroethene-d2	2.12	63	120592	33.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.96%
21) 2-Butanone-d5	3.91	46	122033	100.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.42%
24) Chloroform-d	4.38	84	154134	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	5.06	65	108367	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.80%
32) Benzene-d6	5.08	84	313586	47.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.14%
36) 1,2-Dichloropropane-d6	6.09	67	104318	48.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.80%
41) Toluene-d8	7.34	98	276137	46.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.16%
43) trans-1,3-Dichloropropene-	7.64	79	44350	45.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.74%
47) 2-Hexanone-d5	8.11	63	59153	85.53	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.53%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	127328	45.37	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.74%
64) 1,2-Dichlorobenzene-d4	11.65	152	110588	51.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.26%

Target Compounds

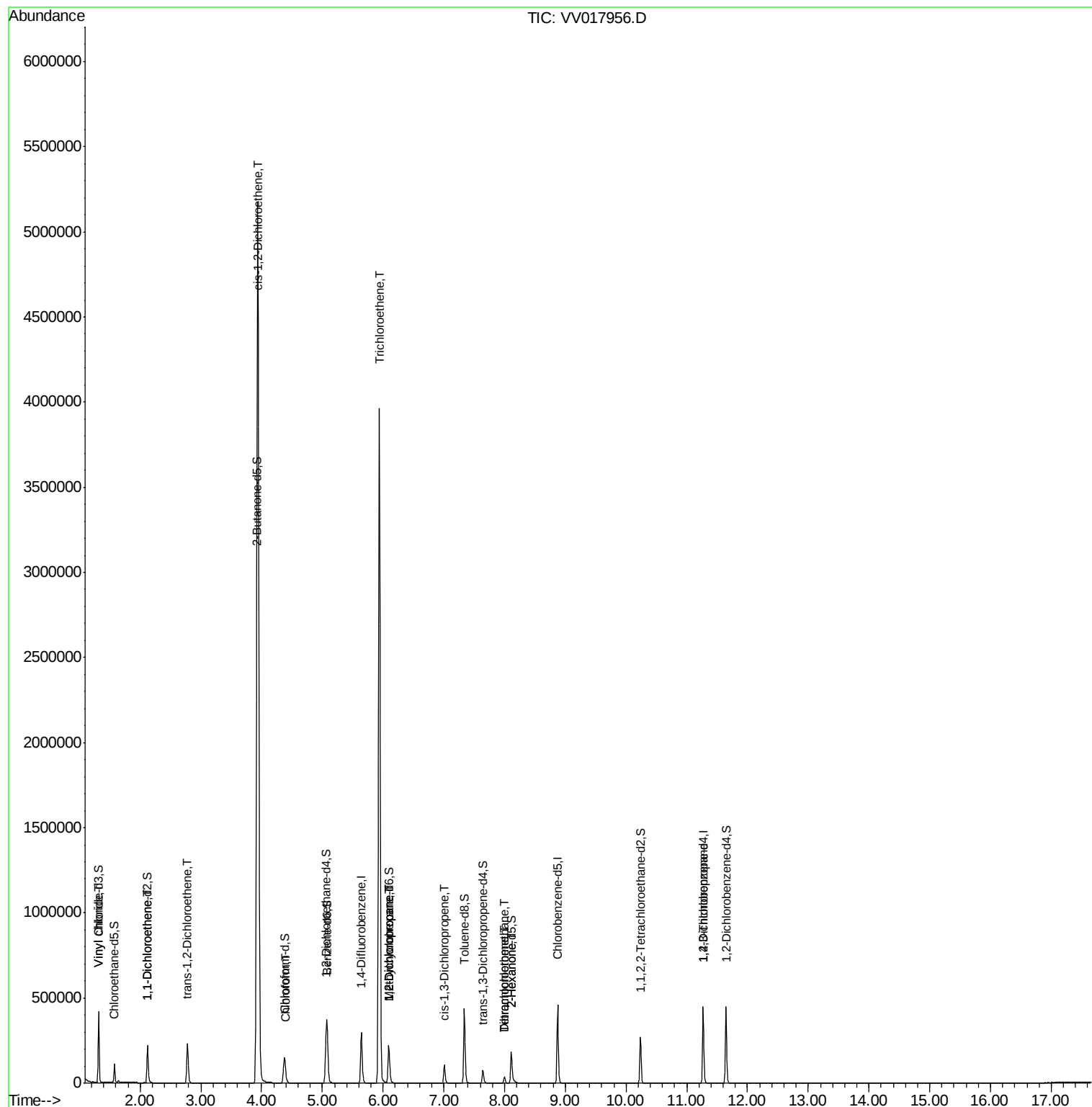
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	187332	86.696	ug/L	100
12) 1,1-Dichloroethene	2.13	96	2863	1.755	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	83893	50.032	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	2823293	1532.185	ug/L	98
25) Chloroform	4.40	83	5598	1.628	ug/L	92
34) Trichloroethene	5.94	95	1358375	694.404	ug/L	99
35) Methylcyclohexane	6.09	83	24696	8.490	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	11407	5.652	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2476	0.865	ug/L #	72
46) Tetrachloroethene	8.00	164	8115	5.656	ug/L	99
48) 2-Hexanone	8.11	43	7902	3.714	ug/L #	69
49) Dibromochloromethane	8.00	129	7562	4.145	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	13581	5.449	ug/L	93

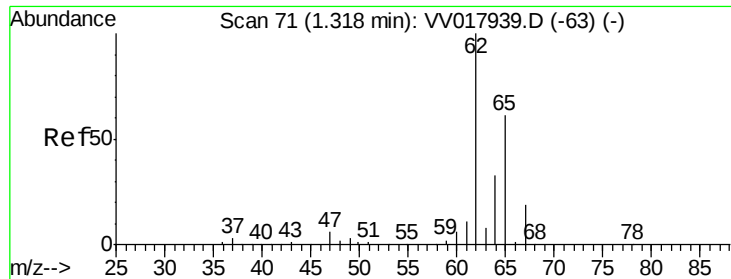
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 86.696 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

Instrument :

MSVOA_V

ClientSampled :

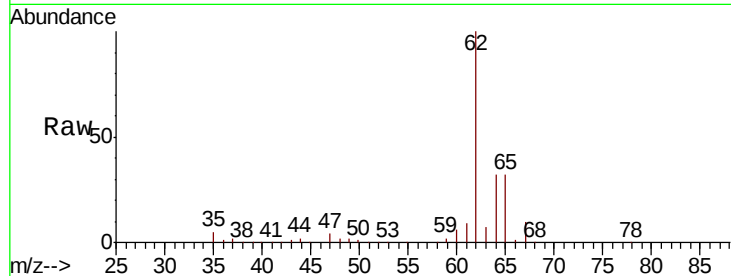
F2L68

Tot Ion: 62 Resp: 187332

Ion Ratio Lower Upper

62 100

64 31.8 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

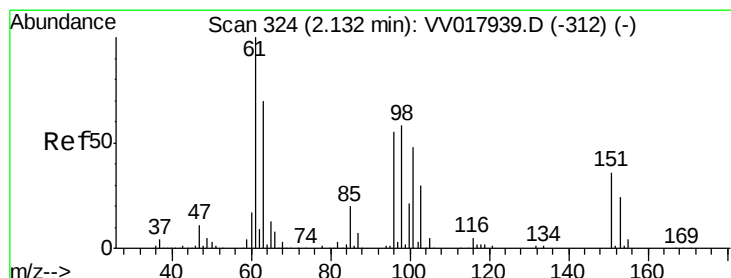
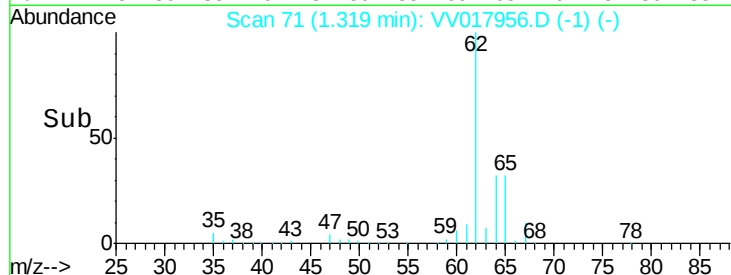
150000

100000

50000

0

Time-->



#12

1,1-Dichloroethene

Concen: 1.755 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

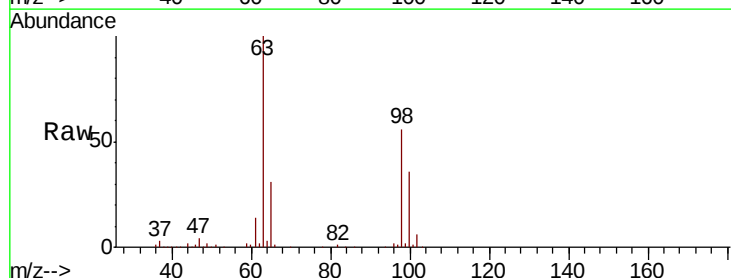
Tgt Ion: 96 Resp: 2863

Ion Ratio Lower Upper

96 100

61 653.2 127.1 236.0#

63 4554.9 95.2 176.8#



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

100000

80000

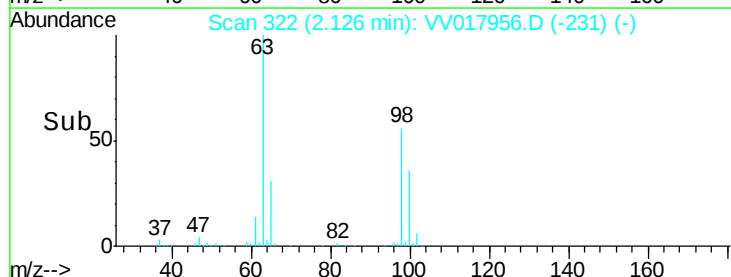
60000

40000

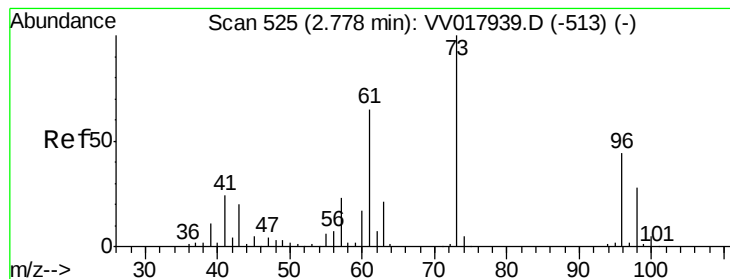
20000

0

Time-->



Time-->



#17

trans-1,2-Dichloroethene

Concen: 50.032 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

Instrument :

MSVOA_V

ClientSampleId :

F2L68

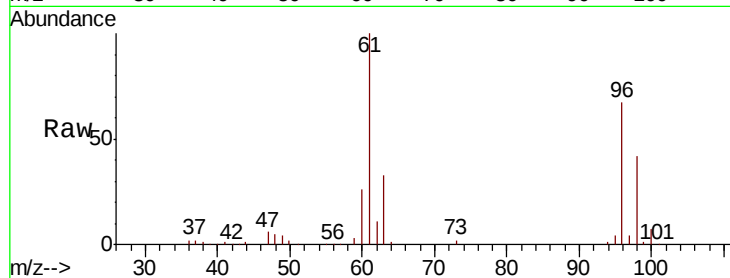
Tot Ion: 96 Resp: 83893

Ion Ratio Lower Upper

96 100

61 148.9 102.4 190.2

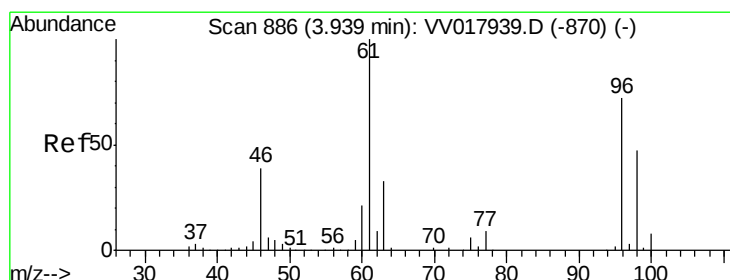
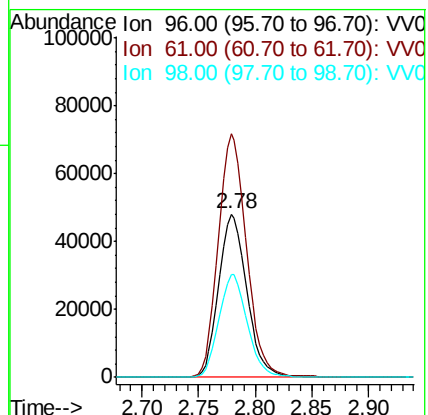
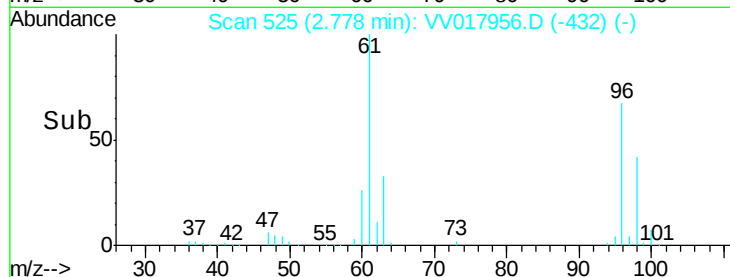
98 63.1 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 1532.185 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

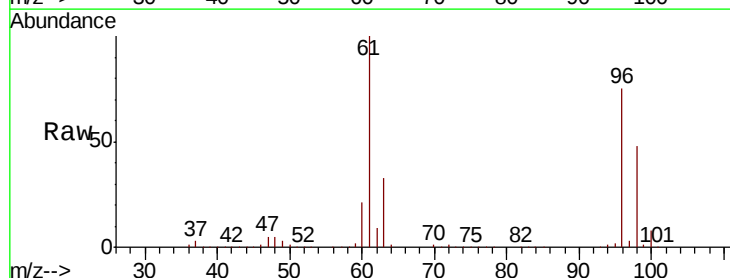
Tgt Ion: 96 Resp: 2823293

Ion Ratio Lower Upper

96 100

61 133.6 95.0 176.4

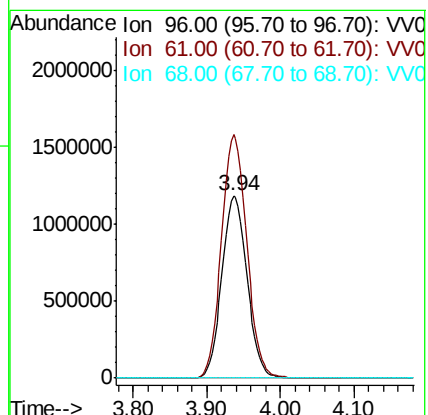
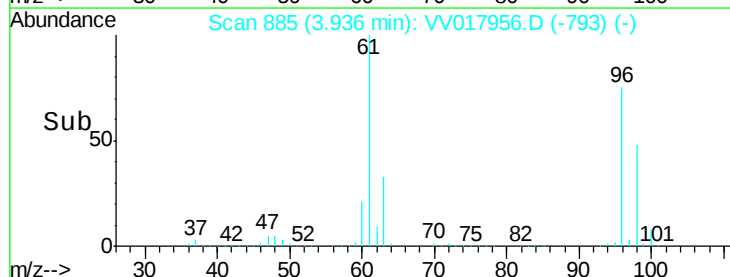
68 0.0 0.0 0.0

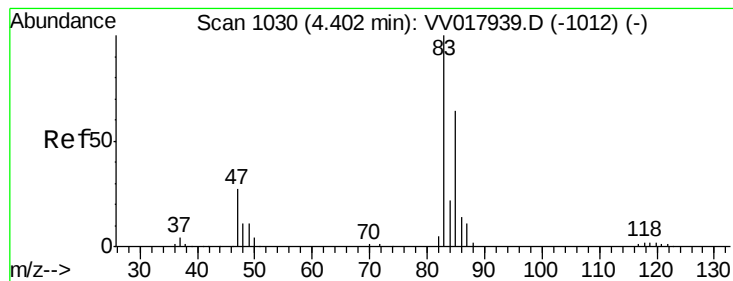


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#25

Chloroform

Concen: 1.628 ug/L

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

Instrument :

MSVOA_V

ClientSampleId :

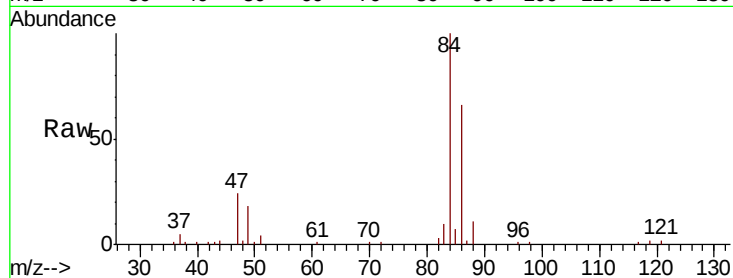
F2L68

Tot Ion: 83 Resp: 5598

Ion Ratio Lower Upper

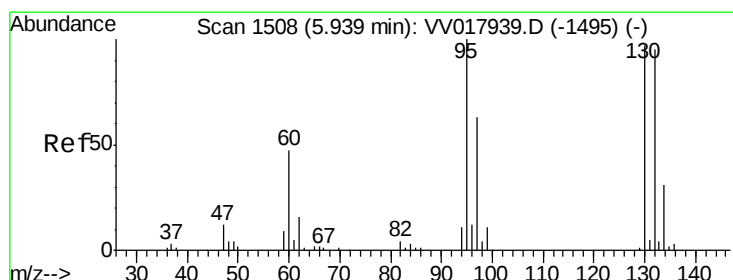
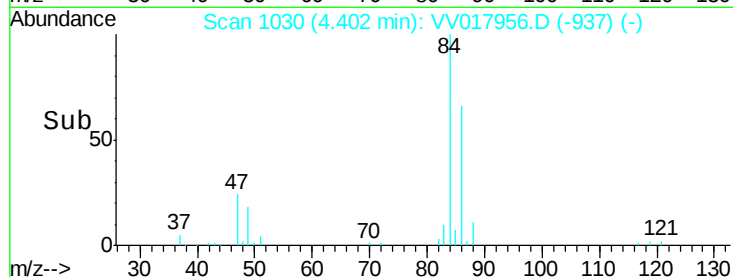
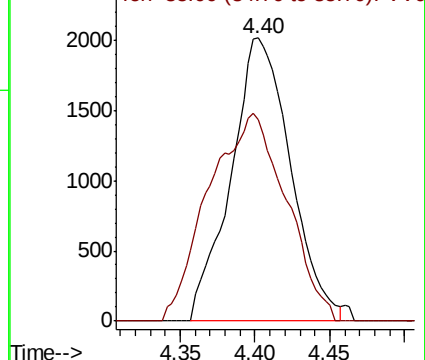
83 100

85 71.2 45.5 84.5



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#34

Trichloroethene

Concen: 694.404 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

Tgt Ion: 95 Resp: 1358375

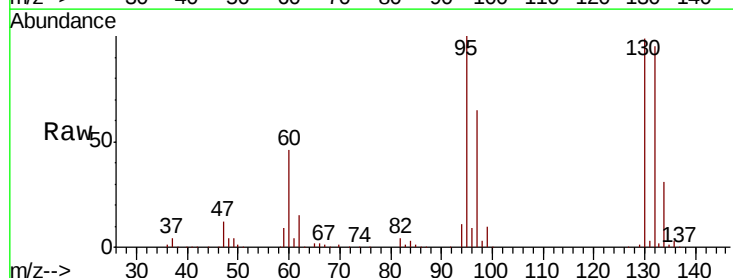
Ion Ratio Lower Upper

95 100

97 64.7 46.0 85.4

132 95.1 65.8 122.2

130 98.5 69.2 128.6

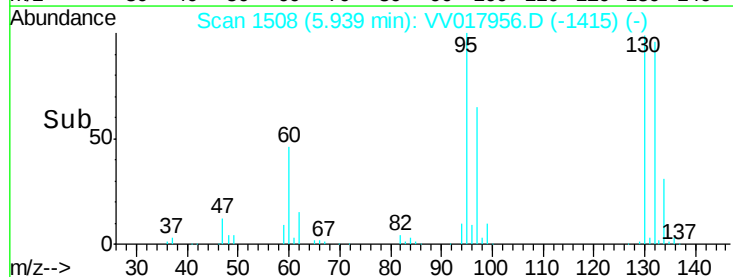
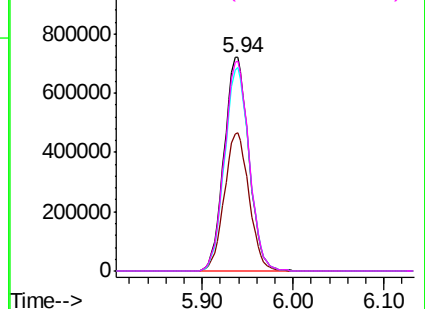


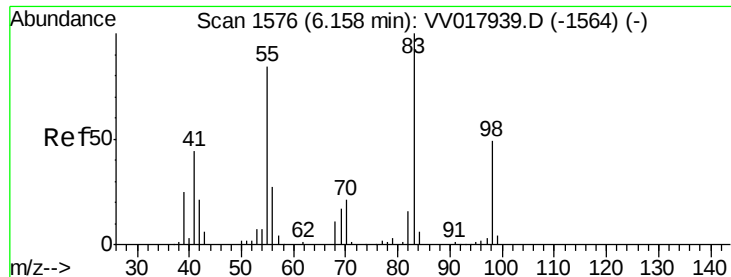
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0





#35

Methvlcvclohexane

Concen: 8.490 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

Instrument :

MSVOA_V

ClientSampleId :

F2L68

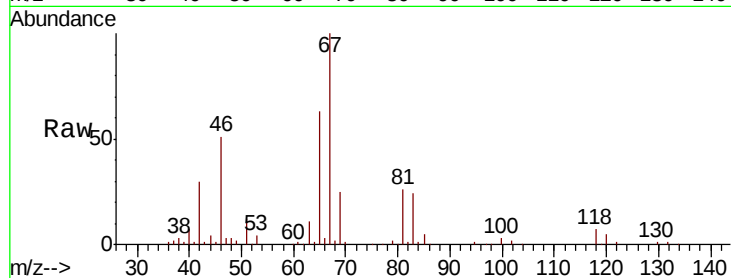
Tot Ion: 83 Resp: 24696

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

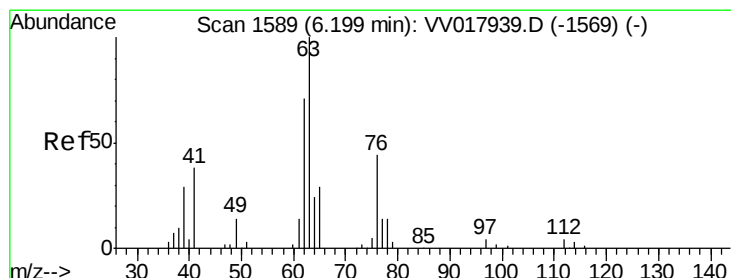
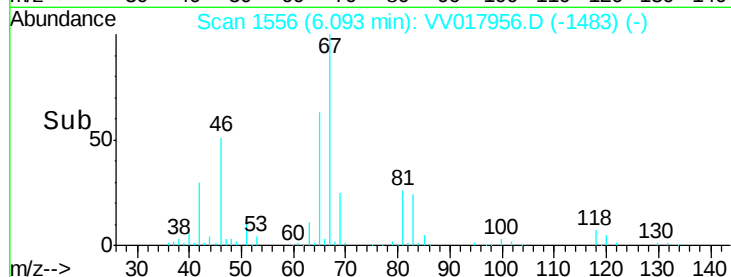
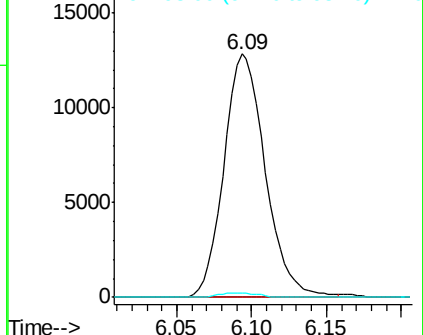
98 0.8 38.7 58.1#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#37

1,2-Dichloropropane

Concen: 5.652 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.11 min

Lab File: VV017956.D

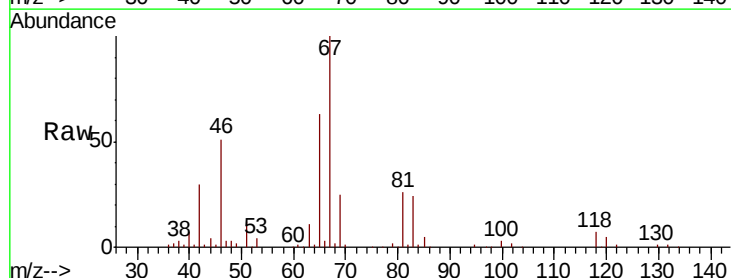
Acq: 13 Aug 2020 03:40

Tgt Ion: 63 Resp: 11407

Ion Ratio Lower Upper

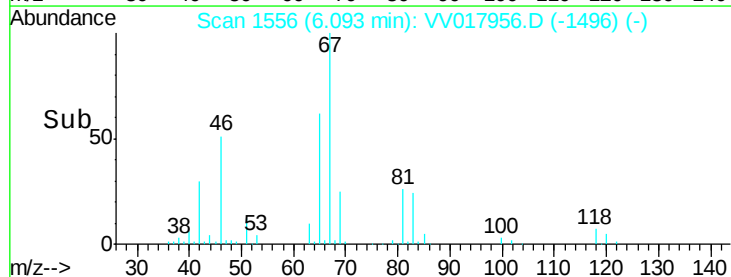
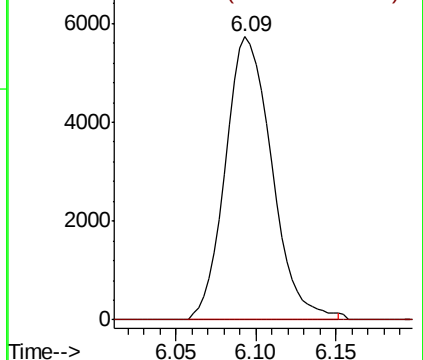
63 100

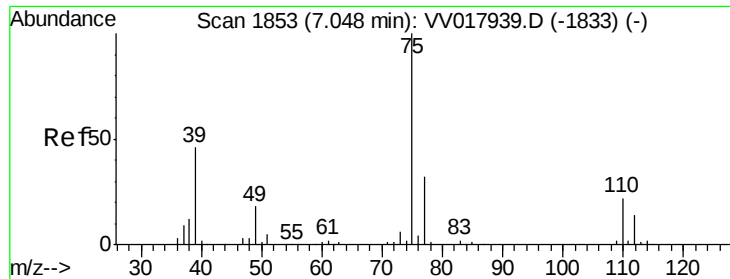
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

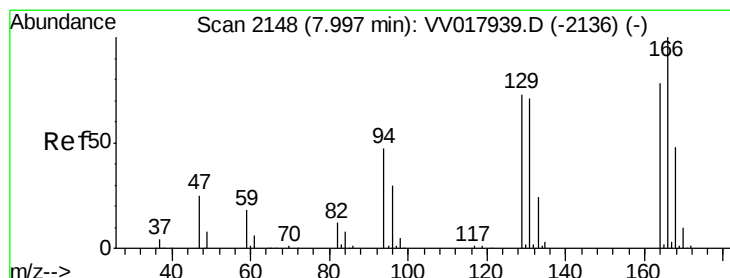
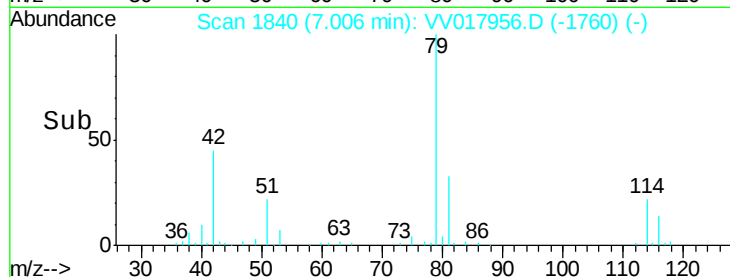
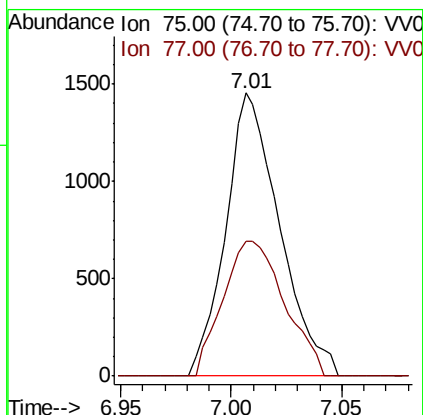
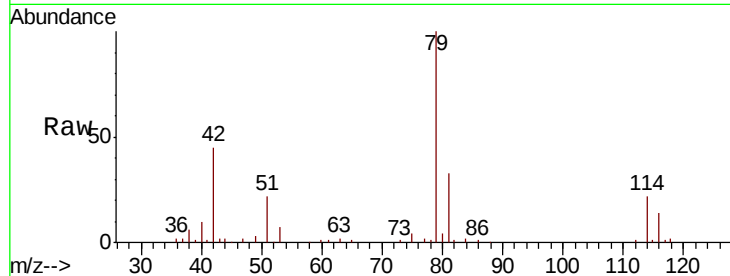




#39
 cis-1,3-Dichloropropene
 Concen: 0.865 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017956.D
 Acq: 13 Aug 2020 03:40

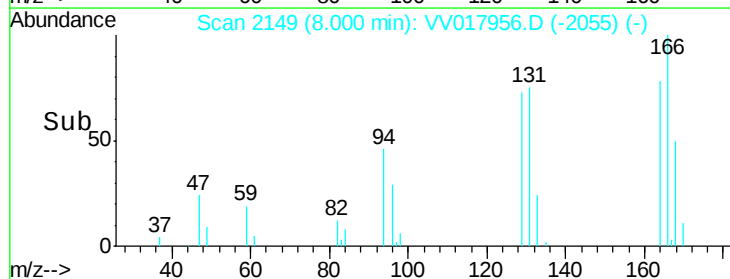
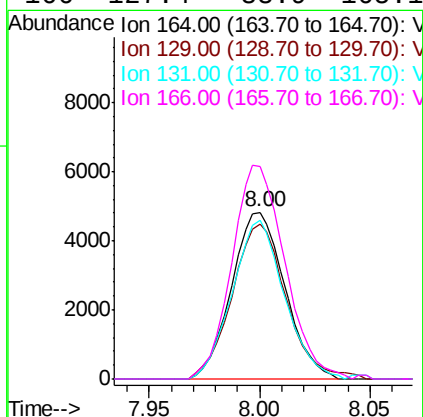
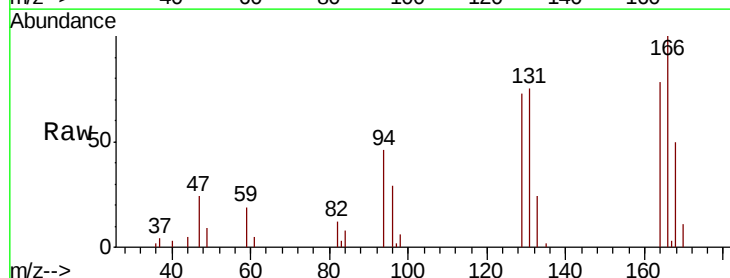
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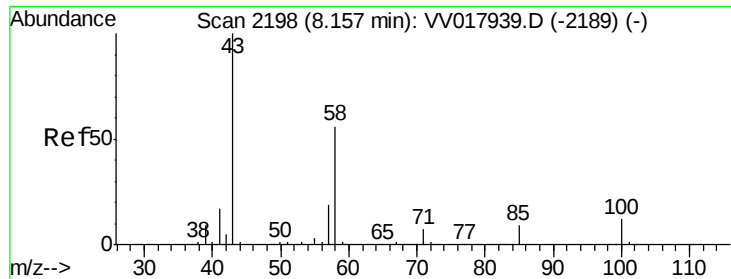
Tot Ion: 75 Resp: 2476
 Ion Ratio Lower Upper
 75 100
 77 47.5 22.3 41.5#



#46
 Tetrachloroethene
 Concen: 5.656 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VV017956.D
 Acq: 13 Aug 2020 03:40

Tgt Ion: 164 Resp: 8115
 Ion Ratio Lower Upper
 164 100
 129 92.9 64.8 120.3
 131 95.3 64.5 119.9
 166 127.4 88.9 165.1

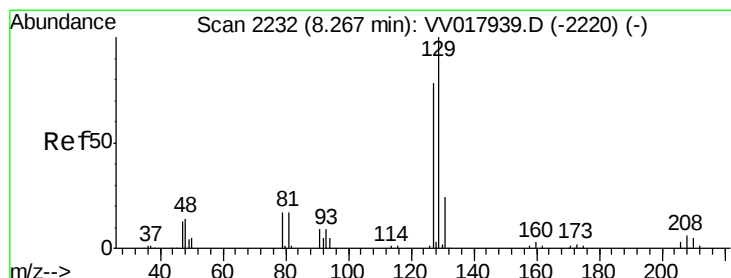
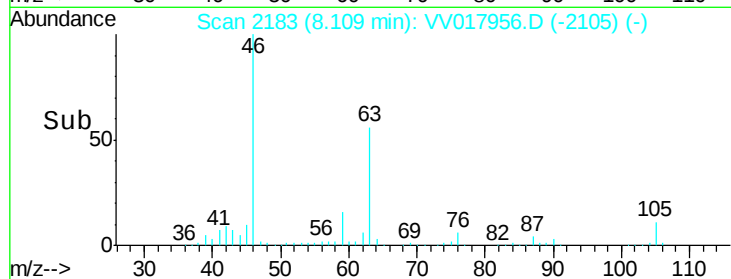
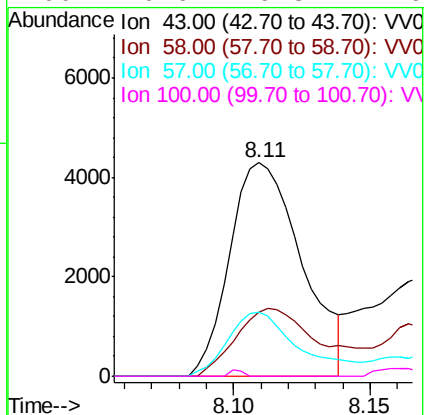
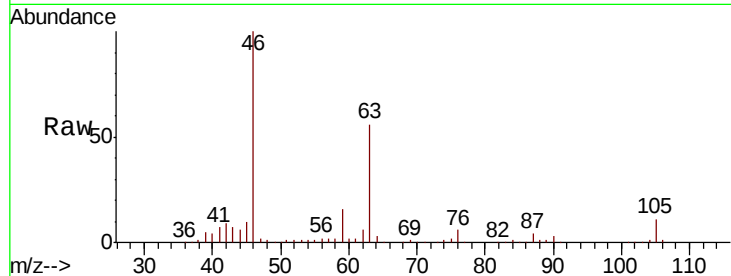




#48
2-Hexanone
Concen: 3.714 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV017956.D
Acq: 13 Aug 2020 03:40

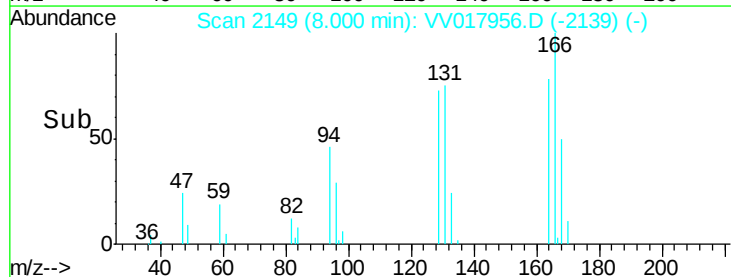
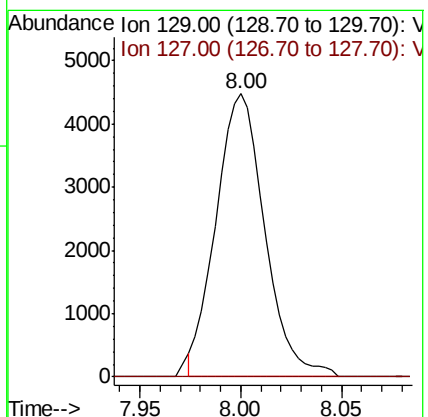
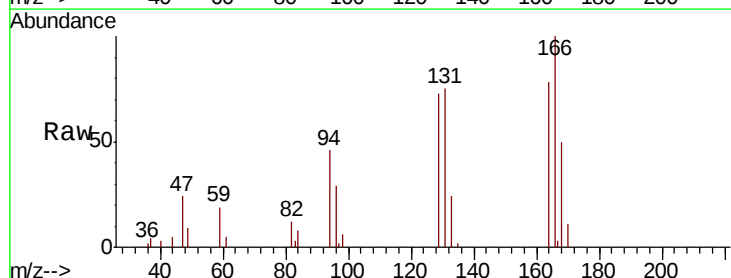
Instrument :
MSVOA_V
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F2L68

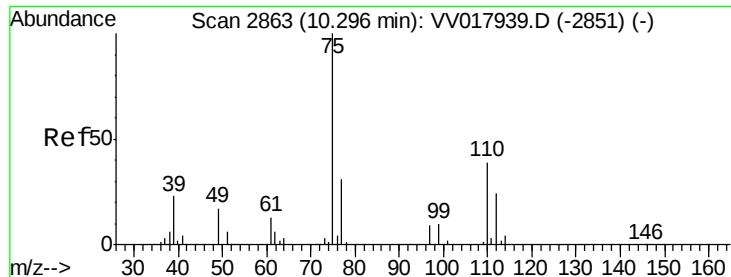
Tot Ion: 43 Resp: 7902
Ion Ratio Lower Upper
43 100
58 31.9 44.4 66.6#
57 30.3 15.2 22.8#
100 0.6 9.8 14.6#



#49
Dibromochloromethane
Concen: 4.145 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV017956.D
Acq: 13 Aug 2020 03:40

Tgt Ion: 129 Resp: 7562
Ion Ratio Lower Upper
129 100
127 0.0 54.9 101.9#





#59

1,2,3-Trichloropropane

Concen: 5.449 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.97 min

Lab File: VV017956.D

Acq: 13 Aug 2020 03:40

Instrument :

MSVOA_V

ClientSampleId :

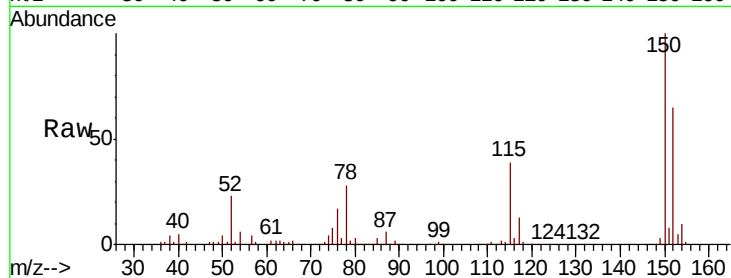
F2L68

Tot Ion: 75 Resp: 13581

Ion Ratio Lower Upper

75 100

77 36.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

