

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018130.D
 Acq On : 28 Aug 2020 11:39
 Operator : SY/MD
 Sample : L3800-17DL 4X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G4DL

Quant Time: Aug 29 00:40:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 29 00:38:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	275195	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	268419	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	133278	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85404	40.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.34%
7) Chloroethane-d5	1.58	69	78194	45.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.04%
11) 1,1-Dichloroethene-d2	2.12	63	135490	33.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.46%
21) 2-Butanone-d5	3.91	46	119624	86.98	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.98%
24) Chloroform-d	4.37	84	166185	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.96%
26) 1,2-Dichloroethane-d4	5.05	65	115810	46.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.30%
32) Benzene-d6	5.07	84	339686	45.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.84%
36) 1,2-Dichloropropane-d6	6.09	67	111258	46.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.00%
41) Toluene-d8	7.33	98	296743	44.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.22%
43) trans-1,3-Dichloropropene-	7.64	79	50831	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.68%
47) 2-Hexanone-d5	8.11	63	62097	80.01	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.01%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	134873	42.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	128509	48.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.98%

Target Compounds

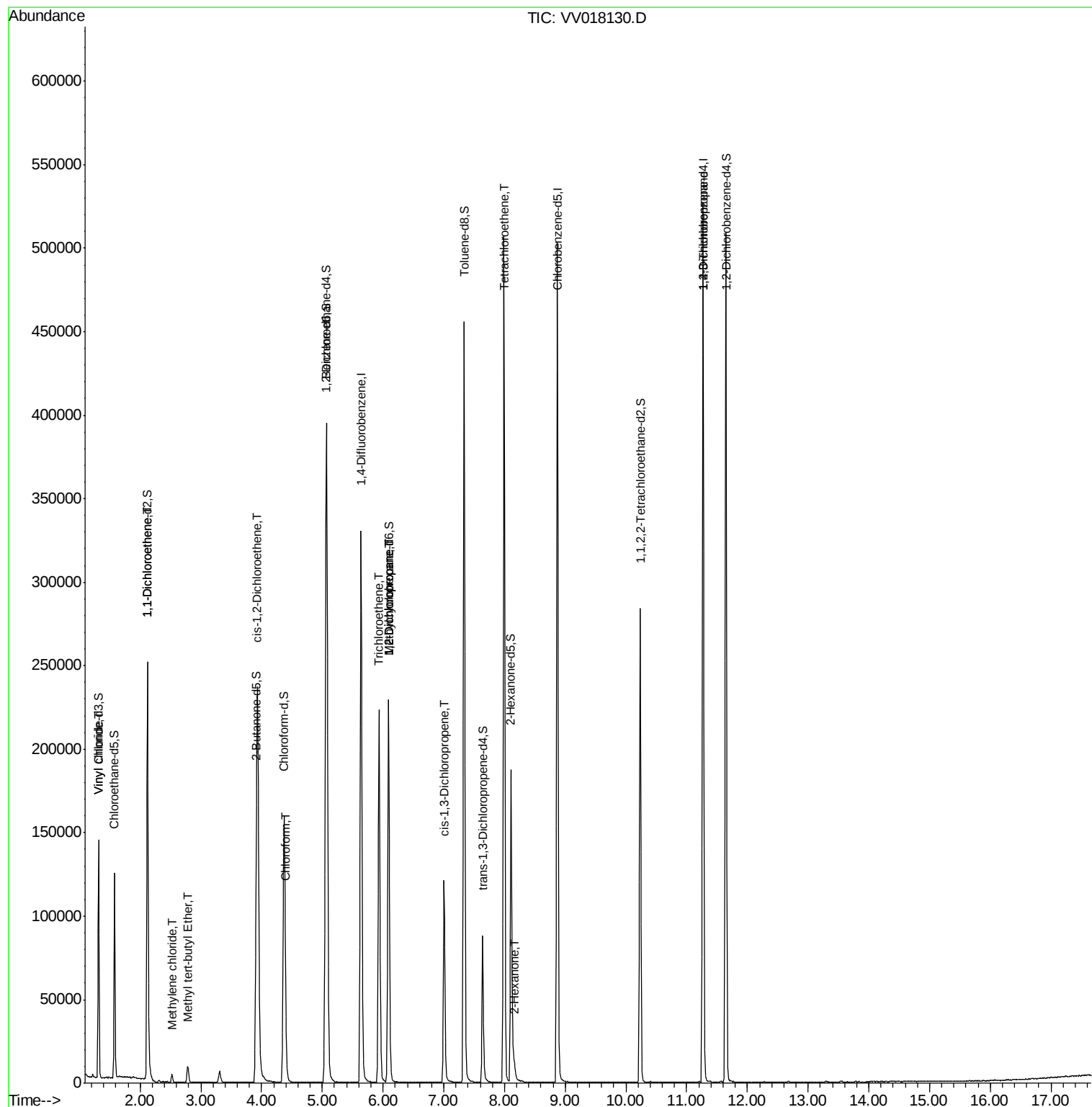
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	2377	0.972	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	2551	1.382	ug/L #	1
16) Methylene chloride	2.52	84	1979	0.841	ug/L	95
18) Methyl tert-butyl Ether	2.78	73	8456	1.347	ug/L	98
20) cis-1,2-Dichloroethene	3.93	96	112599	53.997	ug/L	97
25) Chloroform	4.40	83	8126	2.088	ug/L	96
34) Trichloroethene	5.94	95	76607	34.899	ug/L	97
35) Methylcyclohexane	6.09	83	27011	8.275	ug/L #	17
37) 1,2-Dichloropropane	6.09	63	12284	5.424	ug/L #	87
39) cis-1,3-Dichloropropene	7.00	75	2915	0.908	ug/L #	59
46) Tetrachloroethene	7.99	164	113681	70.615	ug/L	98
48) 2-Hexanone	8.16	43	5839	2.446	ug/L #	88
59) 1,2,3-Trichloropropane	11.27	75	15561	5.564	ug/L	93

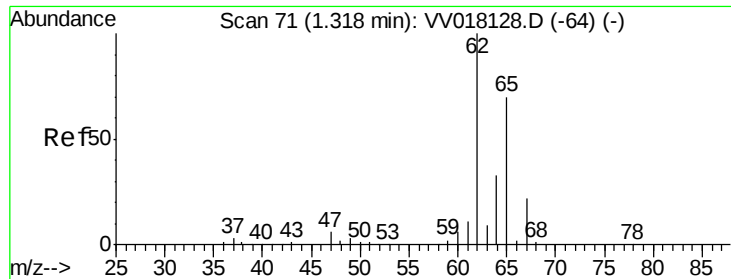
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 29 00:38:30 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.972 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

Instrument :

MSVOA_V

ClientSampleID :

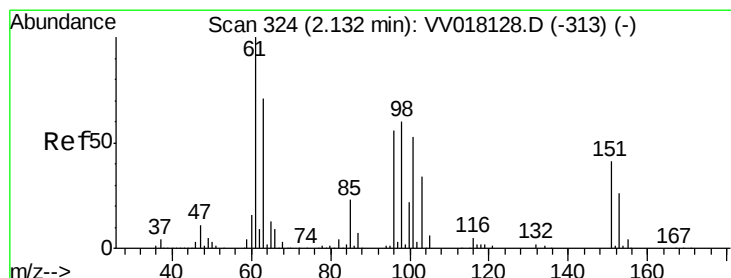
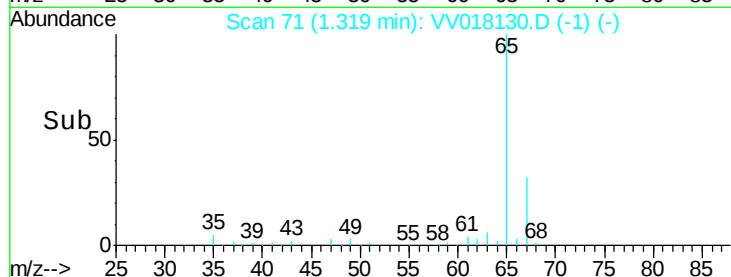
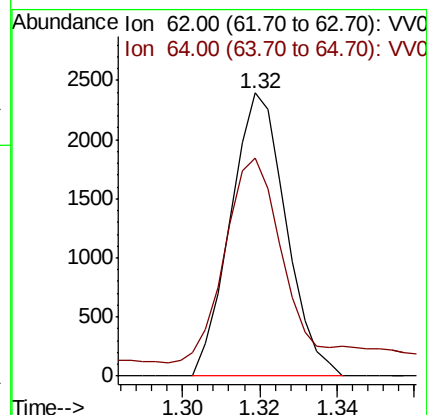
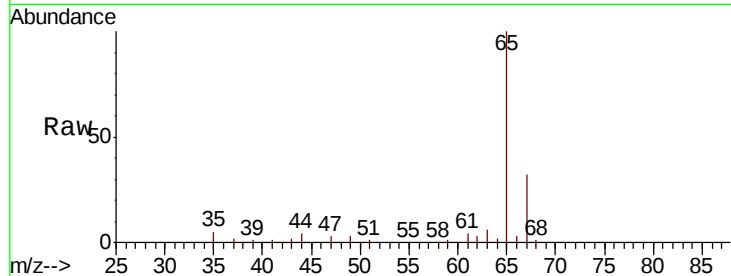
BG3G4DL

Tot Ion: 62 Resp: 2377

Ion Ratio Lower Upper

62 100

64 77.2 22.4 41.6#



#12

1,1-Dichloroethene

Concen: 1.382 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

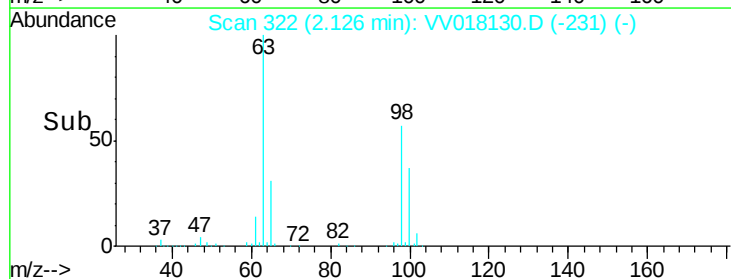
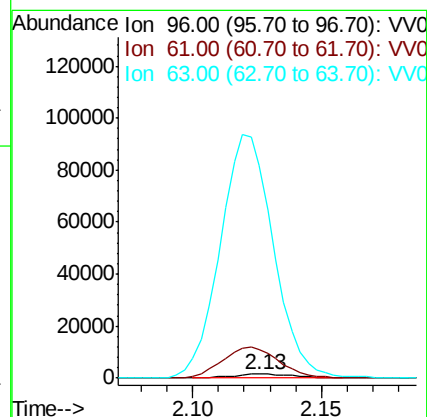
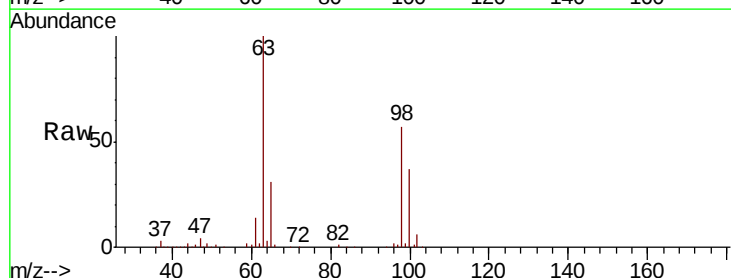
Tgt Ion: 96 Resp: 2551

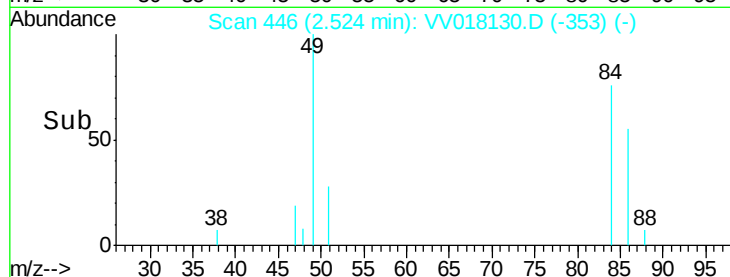
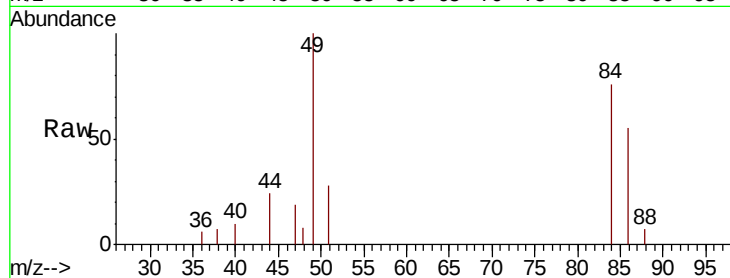
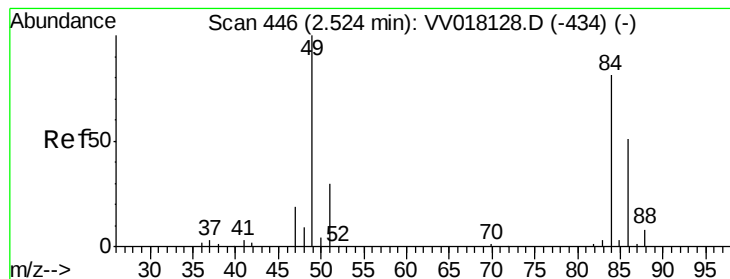
Ion Ratio Lower Upper

96 100

61 762.0 127.1 236.0#

63 5578.8 95.2 176.8#





#16

Methylene chloride

Concen: 0.841 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

BG3G4DL

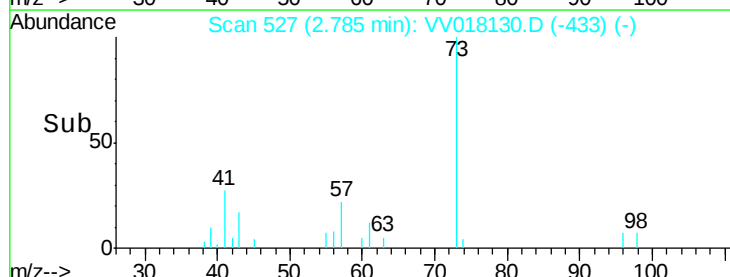
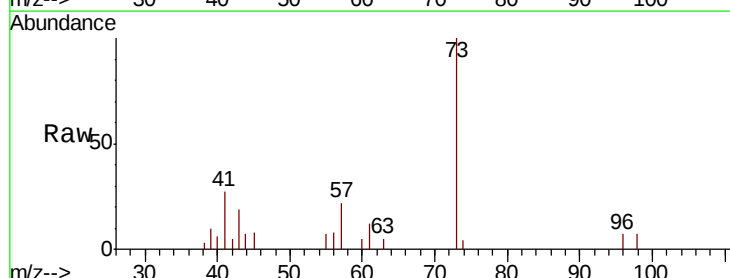
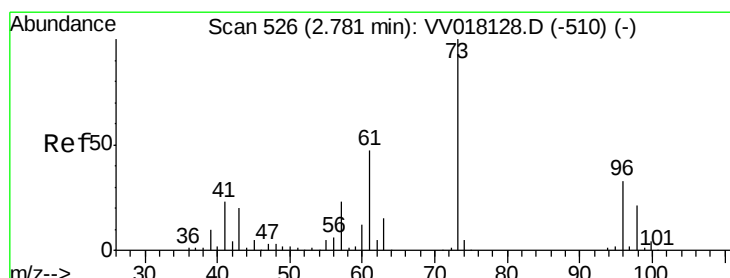
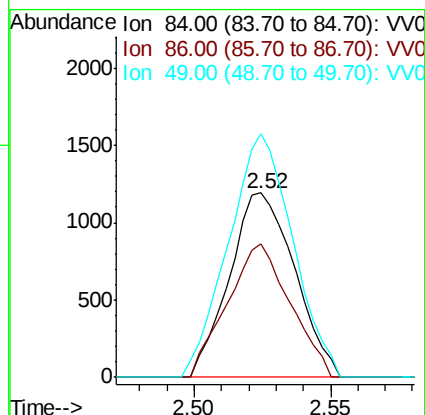
Tot Ion: 84 Resp: 1979

Ion Ratio Lower Upper

84 100

86 72.6 46.3 85.9

49 132.2 89.7 166.5



#18

Methyl tert-butyl Ether

Concen: 1.347 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

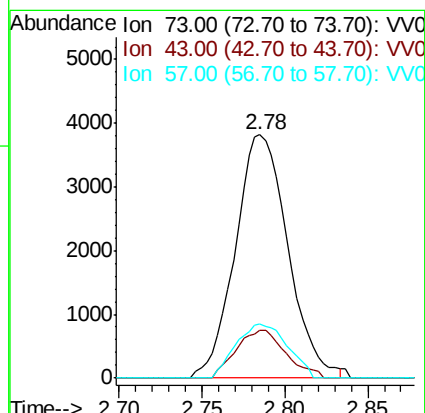
Tgt Ion: 73 Resp: 8456

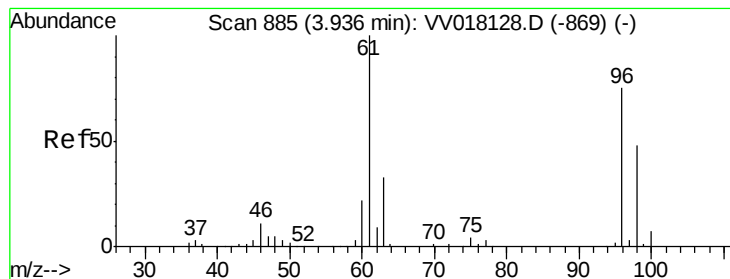
Ion Ratio Lower Upper

73 100

43 18.5 15.9 23.9

57 21.7 18.1 27.1



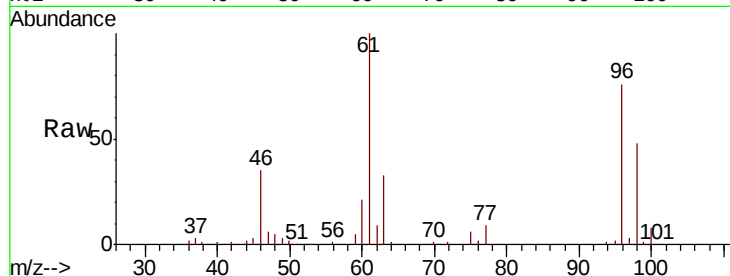


#20

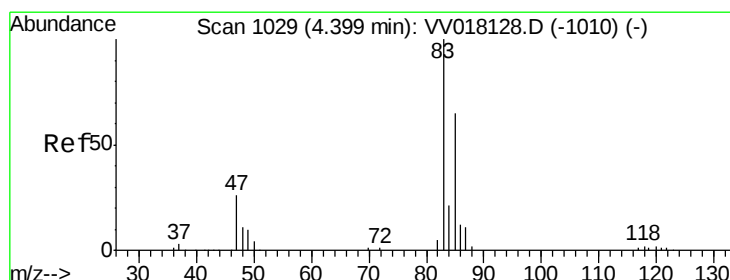
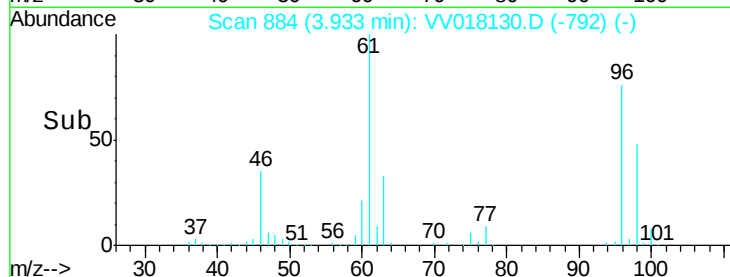
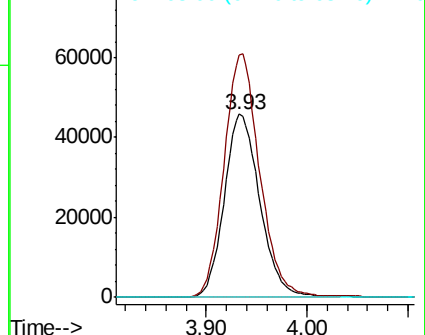
cis-1,2-Dichloroethene
 Concen: 53.997 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV018130.D
 Acq: 28 Aug 2020 11:39

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G4DL

Tot Ion	96	Resp	112599
Ion	Ratio	Lower	Upper
96	100		
61	132.1	95.0	176.4
68	0.0	0.0	0.0



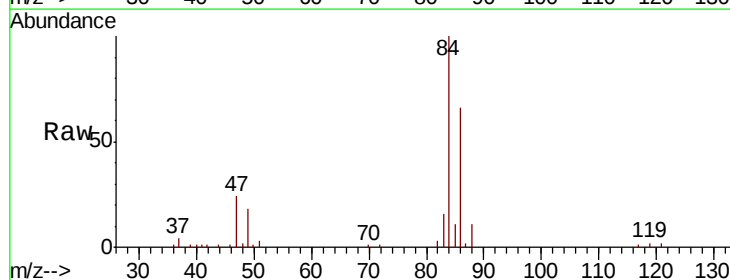
Abundance Ion 96.00 (95.70 to 96.70): VV018130.D (-792) (-)



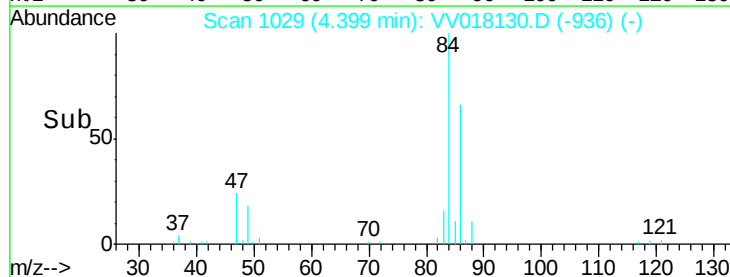
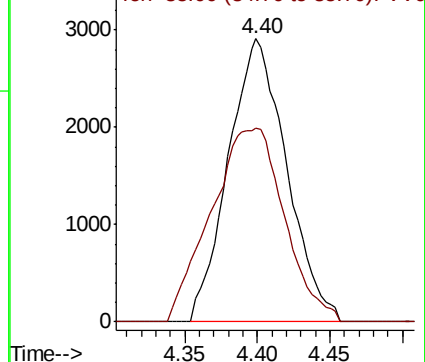
#25

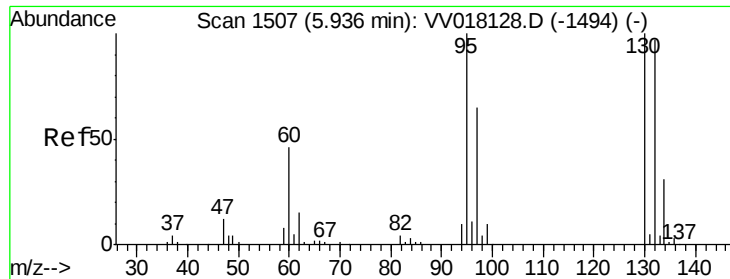
Chloroform
 Concen: 2.088 ug/L
 RT: 4.40 min Scan# 1029
 Delta R.T. 0.00 min
 Lab File: VV018130.D
 Acq: 28 Aug 2020 11:39

Tgt Ion	83	Resp	8126
Ion	Ratio	Lower	Upper
83	100		
85	68.5	45.5	84.5



Abundance Ion 83.00 (82.70 to 83.70): VV018130.D (-936) (-)





#34

Trichloroethene

Concen: 34.899 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

BG3G4DL

Tot Ion: 95 Resp: 76607

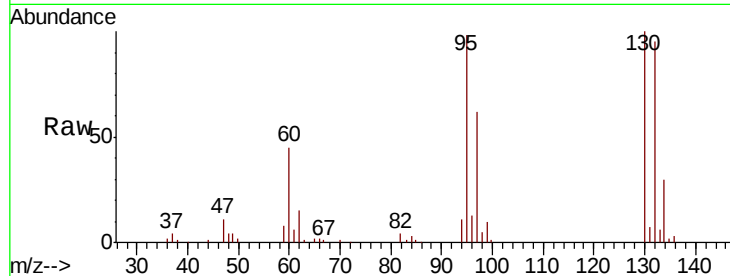
Ion Ratio Lower Upper

95 100

97 63.4 46.0 85.4

132 97.5 65.8 122.2

130 102.2 69.2 128.6

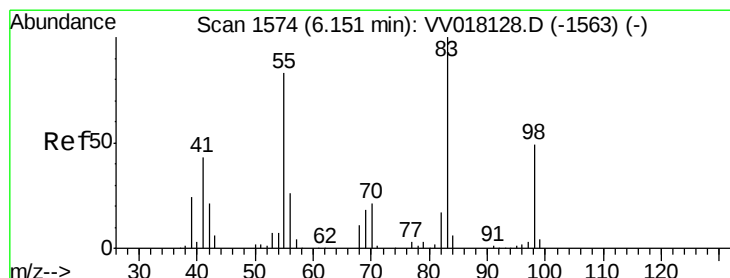
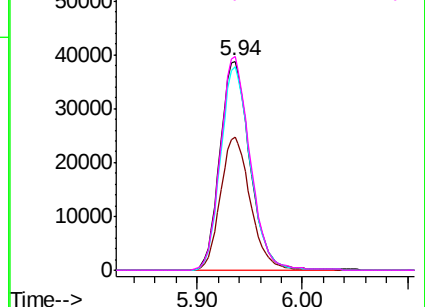
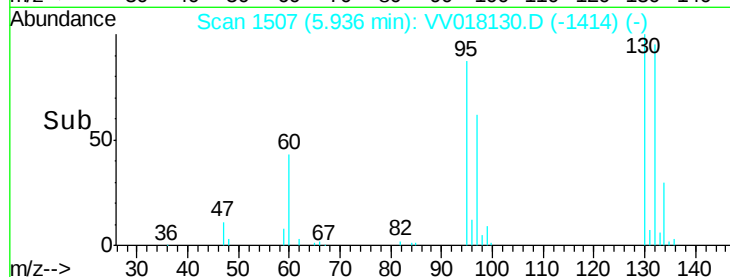


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 8.275 ug/L

RT: 6.09 min Scan# 1555

Delta R.T. -0.06 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

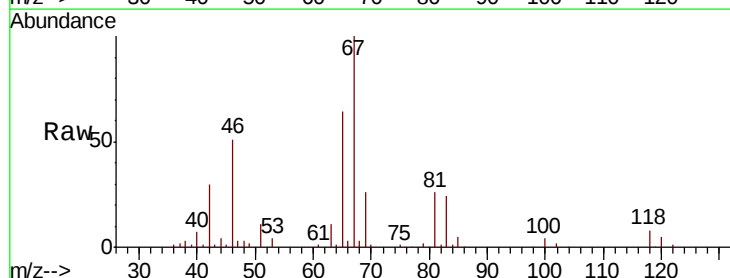
Tgt Ion: 83 Resp: 27011

Ion Ratio Lower Upper

83 100

55 0.0 64.9 97.3#

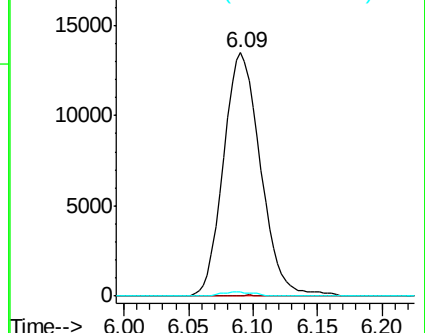
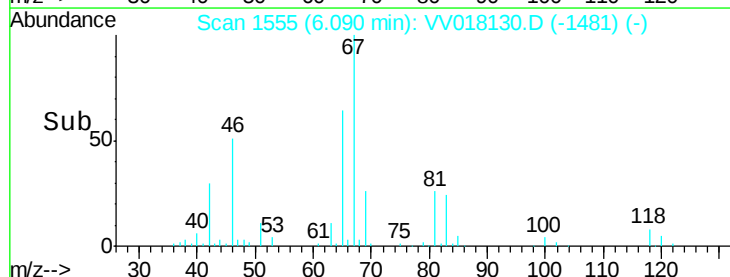
98 1.5 38.7 58.1#

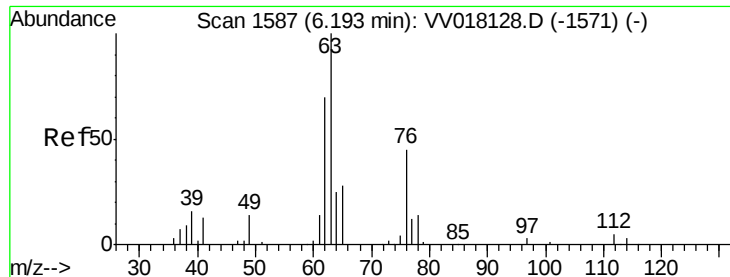


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

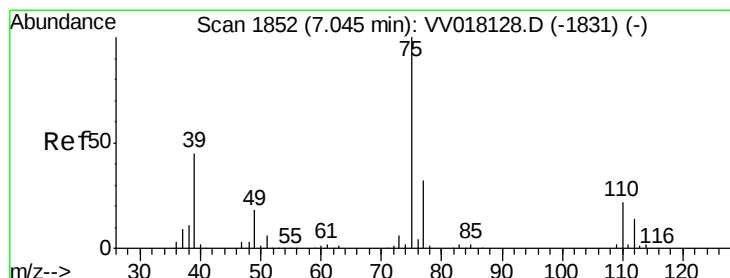
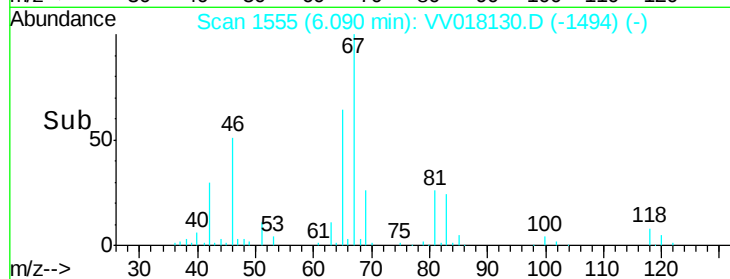
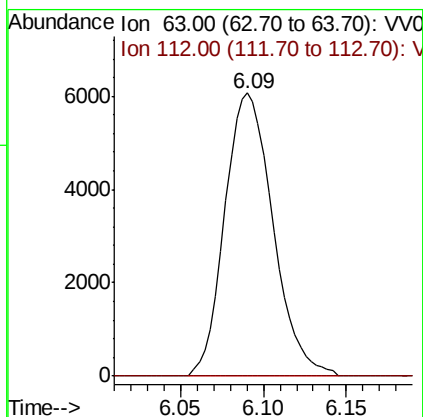
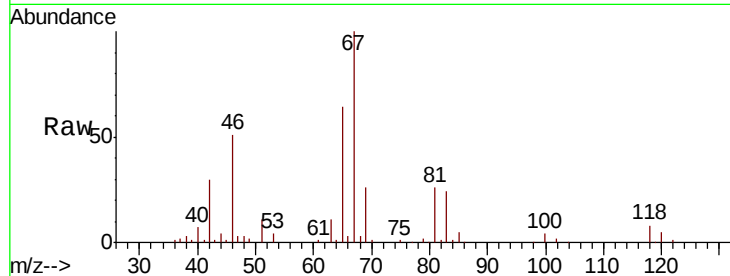




#37
 1,2-Dichloropropane
 Concen: 5.424 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.10 min
 Lab File: VV018130.D
 Acq: 28 Aug 2020 11:39

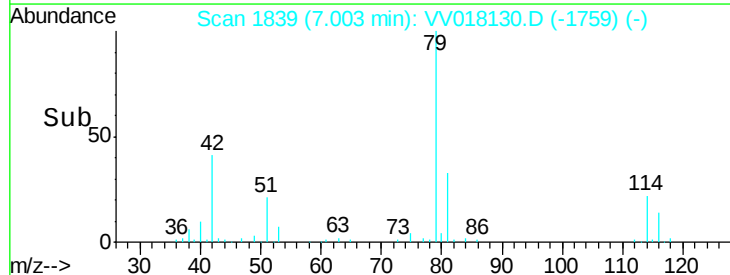
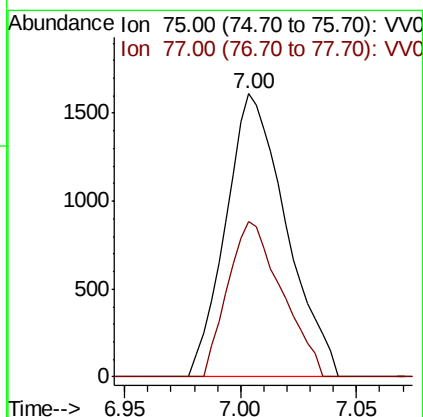
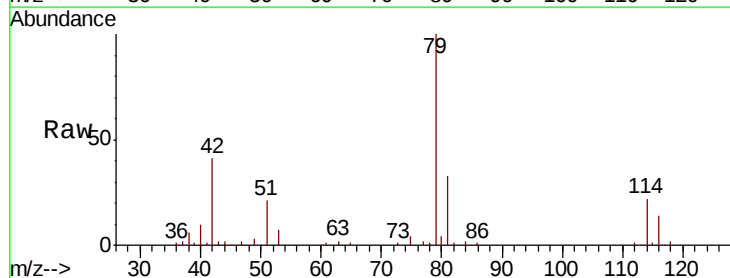
Instrument :
 MSVOA_V
 ClientSampleId :
 BG3G4DL

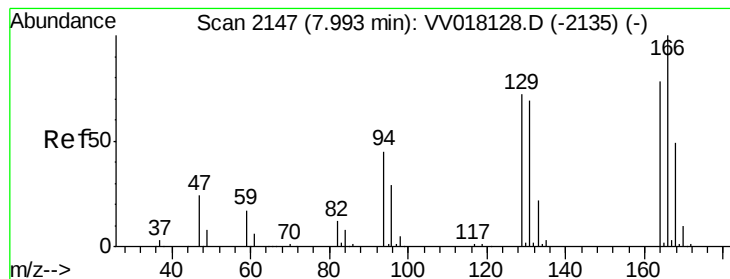
Tot Ion: 63 Resp: 12284
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.908 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.04 min
 Lab File: VV018130.D
 Acq: 28 Aug 2020 11:39

Tgt Ion: 75 Resp: 2915
 Ion Ratio Lower Upper
 75 100
 77 54.7 22.3 41.5#





#46

Tetrachloroethene

Concen: 70.615 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. 0.00 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

Instrument :

MSVOA_V

ClientSampleId :

BG3G4DL

Tot Ion:164 Resp: 113681

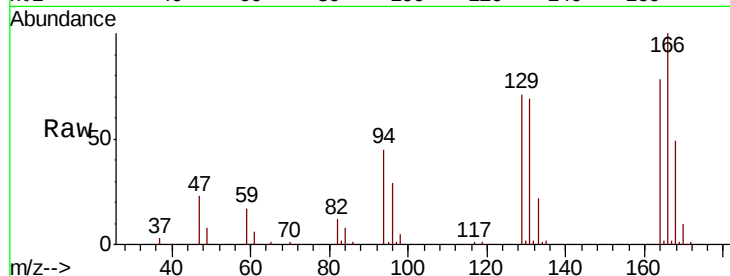
Ion Ratio Lower Upper

164 100

129 91.4 64.8 120.3

131 88.9 64.5 119.9

166 128.2 88.9 165.1

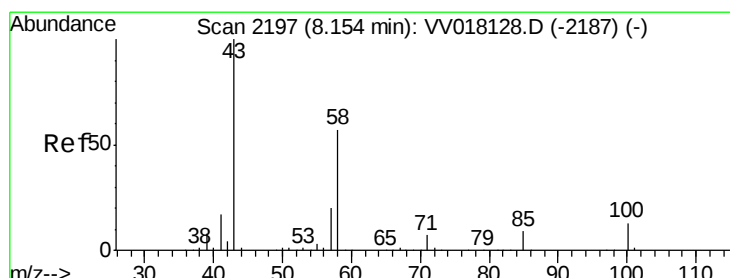
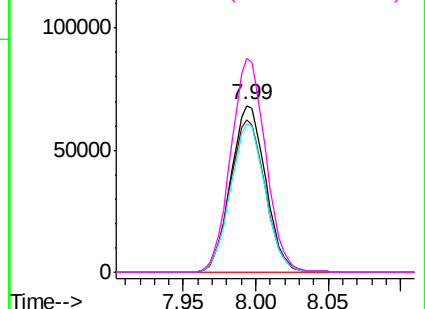
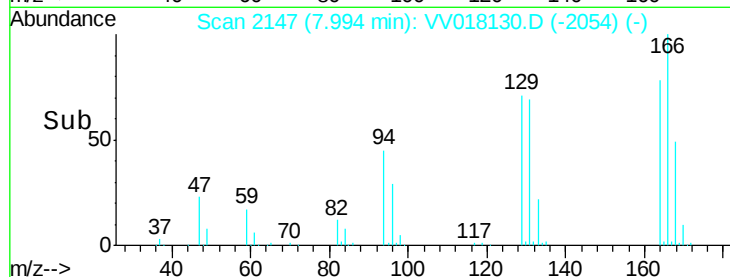


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 2.446 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

Tgt Ion: 43 Resp: 5839

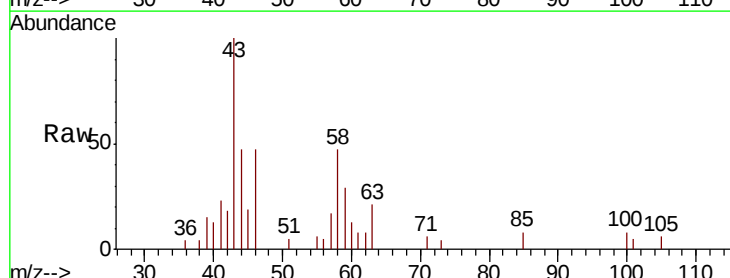
Ion Ratio Lower Upper

43 100

58 47.8 44.4 66.6

57 12.0 15.2 22.8#

100 6.0 9.8 14.6#

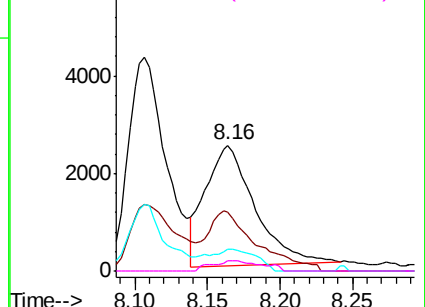
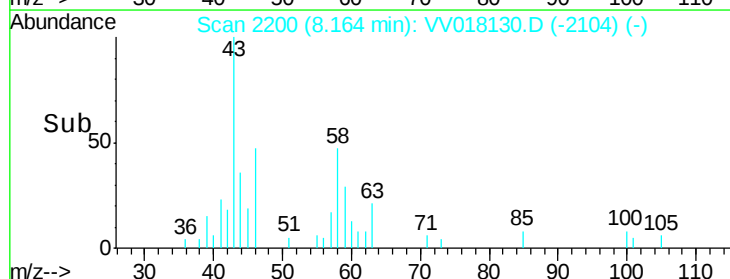


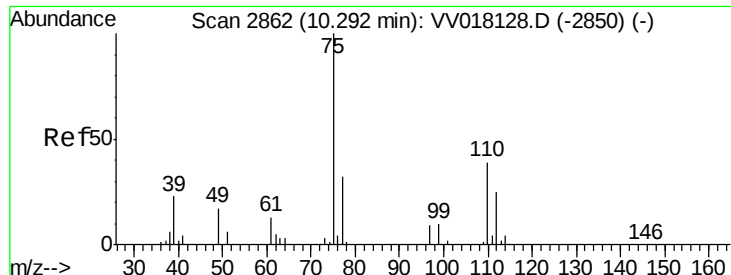
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#59

1,2,3-Trichloropropane

Concen: 5.564 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018130.D

Acq: 28 Aug 2020 11:39

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MSVOA_V

ClientSampleId :

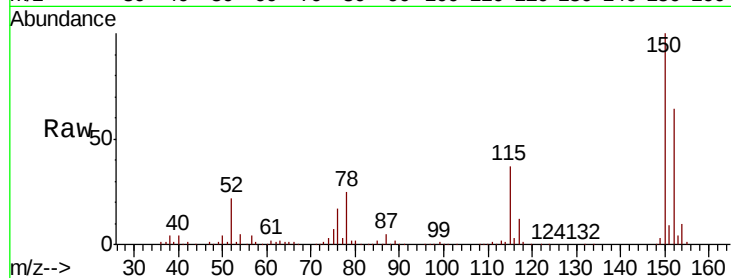
BG3G4DL

Tot Ion: 75 Resp: 15561

Ion Ratio Lower Upper

75 100

77 35.9 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

