

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012020\
 Data File : VV014354.D
 Acq On : 20 Jan 2020 13:55
 Operator : SY/MD
 Sample : L1169-05DL 20X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF764DL

Quant Time: Jan 20 15:26:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR010220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jan 20 14:21:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	823043	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	751863	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	353245	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	268379	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.58	69	211623	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.13	63	322832	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.94	46	787772	56.95	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.90%
24) Chloroform-d	4.40	84	531936	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	282470	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.10	84	1175237	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.11	67	368468	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.36	98	1029871	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.66	79	146257	4.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.00%
46) 2-Hexanone-d5	8.13	63	712391	54.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.36%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	259534	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.80%
64) 1,2-Dichlorobenzene-d4	11.67	152	333098	5.02	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.40%

Target Compounds

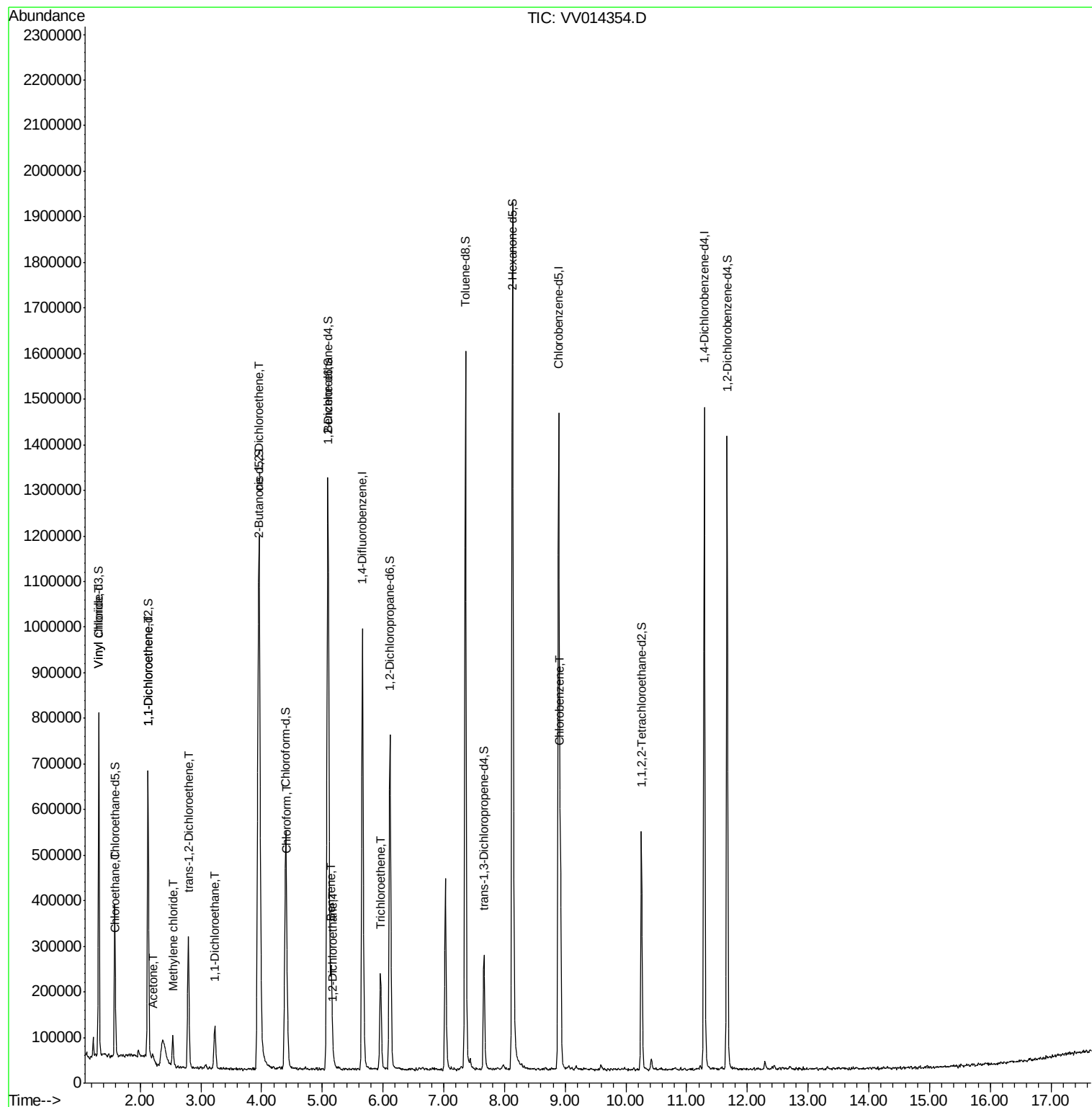
					Ovalue
5) Vinyl chloride	1.32	62	199583	3.465	ug/L 99
8) Chloroethane	1.60	64	13288	0.411	ug/L 95
12) 1,1-Dichloroethene	2.14	96	6619	0.180	ug/L # 1
13) Acetone	2.21	43	25032	2.628	ug/L 97
16) Methylene chloride	2.54	84	28759	0.480	ug/L 85
18) trans-1,2-Dichloroethene	2.79	96	107557	1.946	ug/L 98
19) 1,1-Dichloroethane	3.23	63	98387	0.908	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	499619	8.246	ug/L # 95
25) Chloroform	4.42	83	36068	0.348	ug/L 96
27) 1,2-Dichloroethane	5.19	62	16986	0.274	ug/L 100
33) Benzene	5.15	78	221870	0.958	ug/L 100
34) Trichloroethene	5.96	95	76846	1.291	ug/L 98
51) Chlorobenzene	8.92	112	255005	1.696	ug/L 98

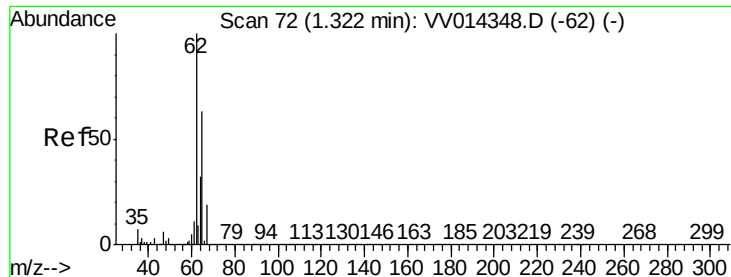
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jan 20 14:21:01 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 3.465 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV014354.D

Acq: 20 Jan 2020 13:55

Instrument :

MSVOA_V

ClientSampleId :

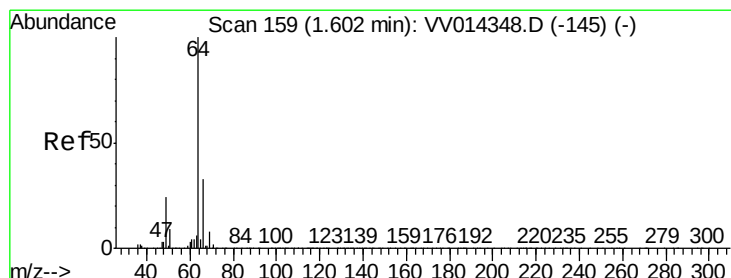
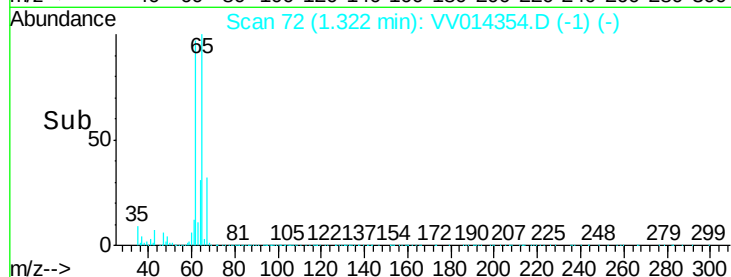
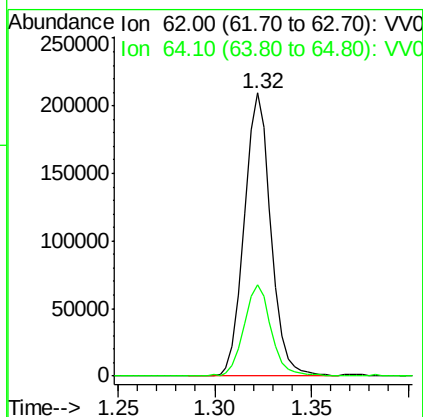
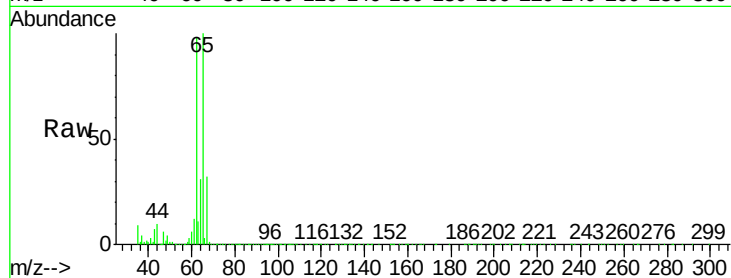
BF764DL

Tot Ion: 62 Resp: 199583

Ion Ratio Lower Upper

62 100

64 32.2 23.0 42.6



#8

Chloroethane

Concen: 0.411 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV014354.D

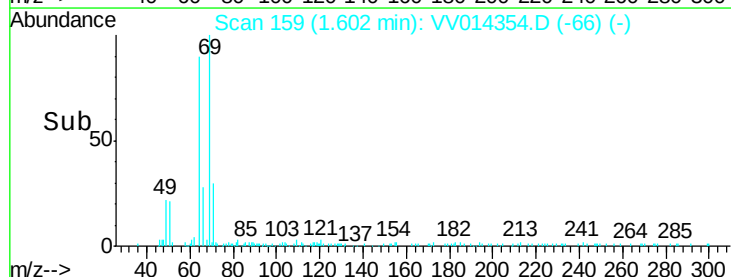
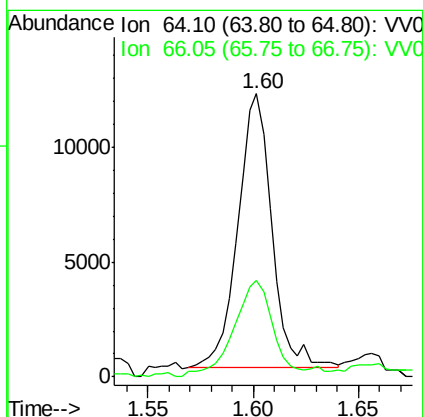
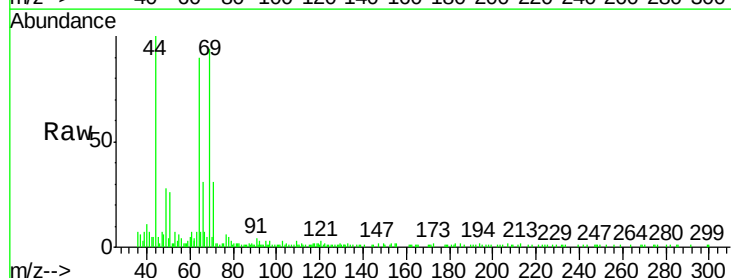
Acq: 20 Jan 2020 13:55

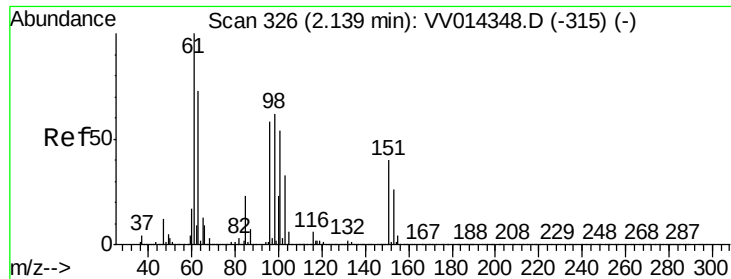
Tgt Ion: 64 Resp: 13288

Ion Ratio Lower Upper

64 100

66 33.9 21.8 40.6

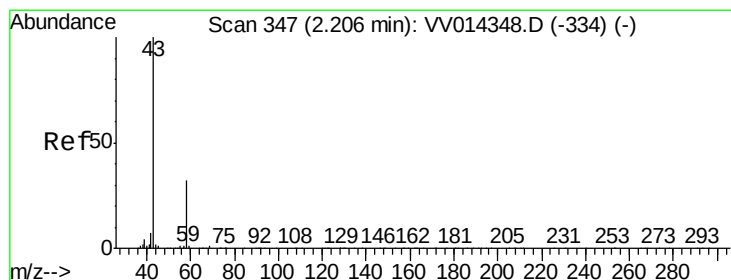
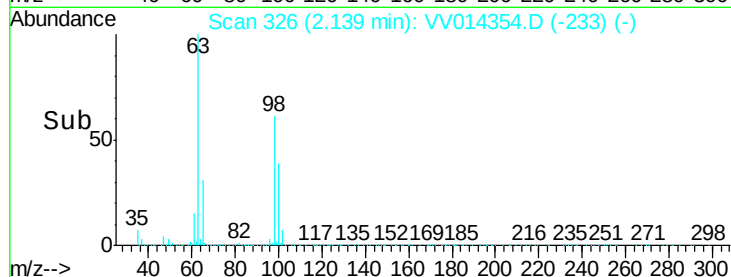
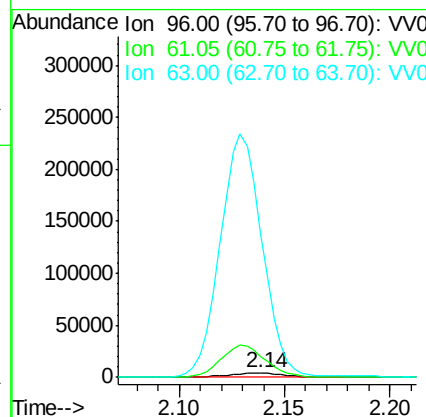
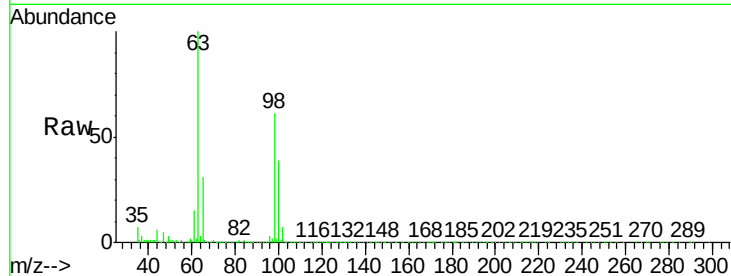




#12
 1,1-Dichloroethene
 Concen: 0.180 ug/L
 RT: 2.14 min Scan# 326
 Delta R.T. -0.00 min
 Lab File: VV014354.D
 Acq: 20 Jan 2020 13:55

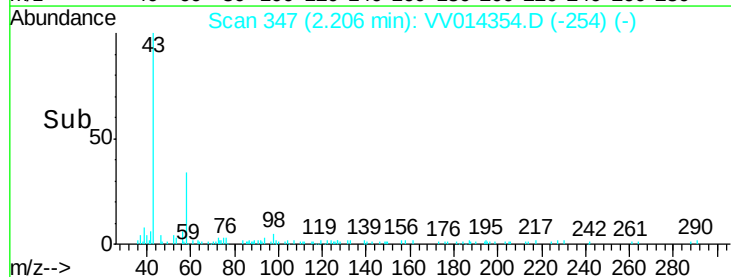
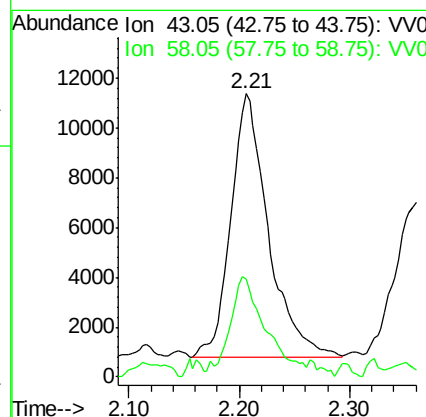
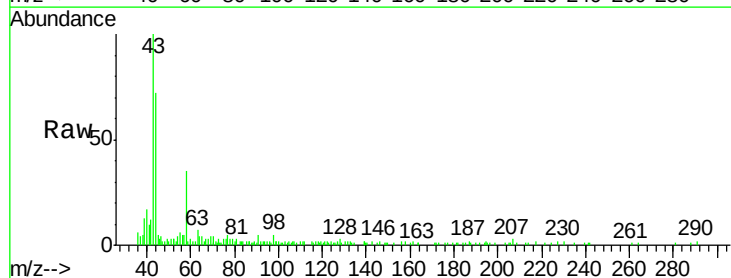
Instrument :
 MSVOA_V
 ClientSampleId :
 BF764DL

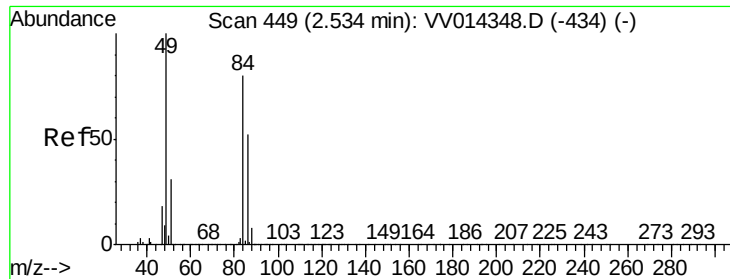
Tot Ion: 96 Resp: 6619
 Ion Ratio Lower Upper
 96 100
 61 480.8 121.5 225.7#
 63 3297.2 90.3 167.7#



#13
 Acetone
 Concen: 2.628 ug/L
 RT: 2.21 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VV014354.D
 Acq: 20 Jan 2020 13:55

Tgt Ion: 43 Resp: 25032
 Ion Ratio Lower Upper
 43 100
 58 34.6 0.0 66.0

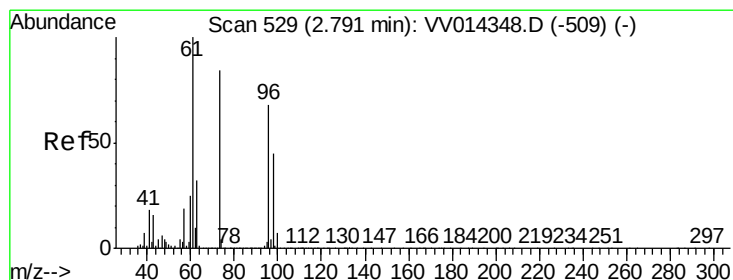
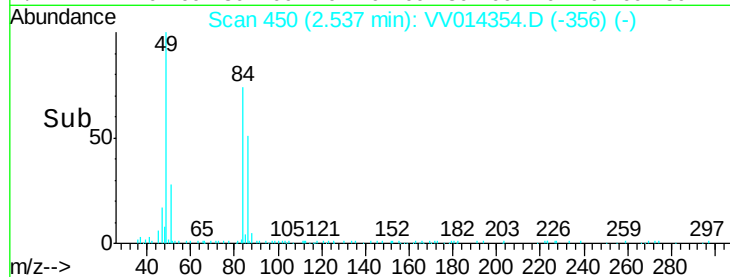
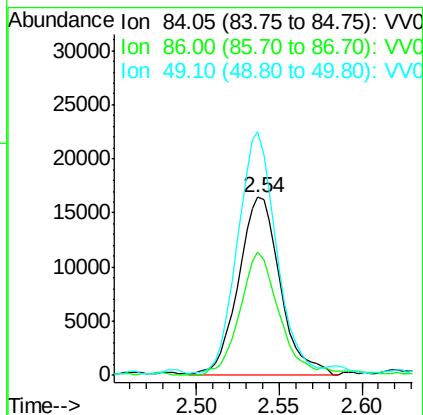
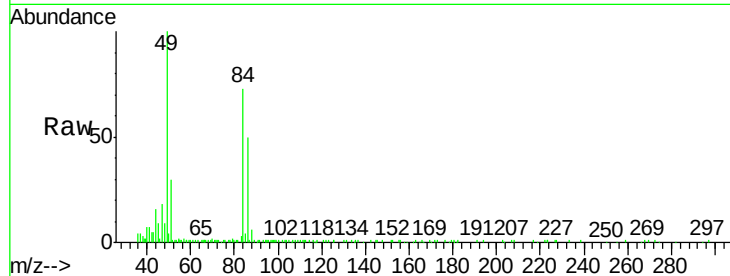




#16
Methylene chloride
Concen: 0.480 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014354.D
Acq: 20 Jan 2020 13:55

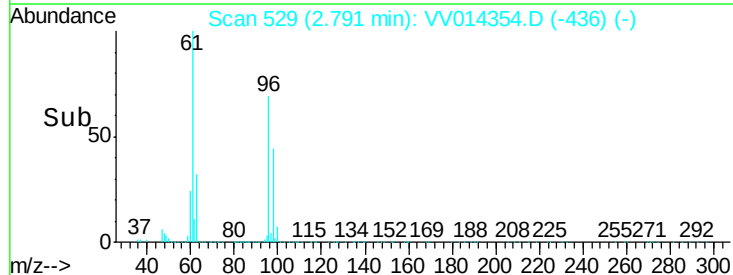
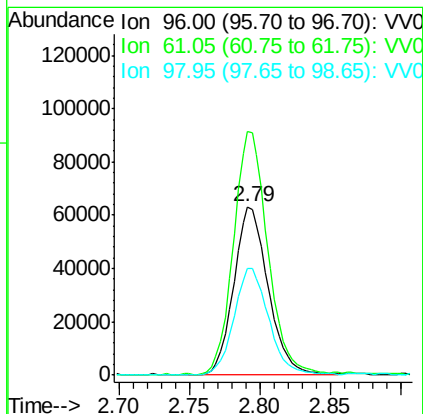
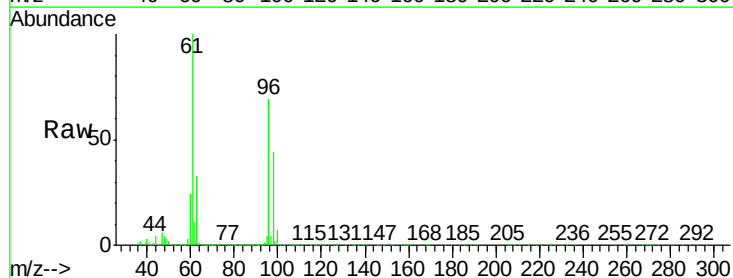
Instrument :
MSVOA_V
ClientSampleID :
BF764DL

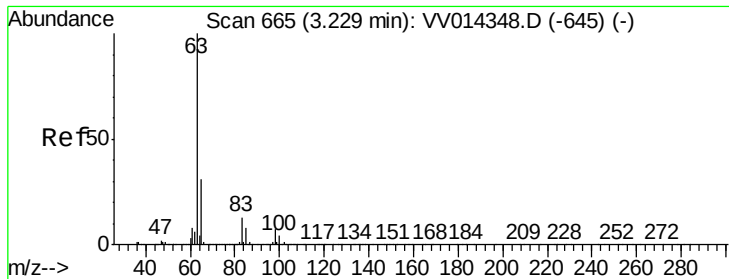
Tot Ion: 84 Resp: 28759
Ion Ratio Lower Upper
84 100
86 69.0 43.1 80.1
49 136.9 82.1 152.5



#18
trans-1,2-Dichloroethene
Concen: 1.946 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV014354.D
Acq: 20 Jan 2020 13:55

Tgt Ion: 96 Resp: 107557
Ion Ratio Lower Upper
96 100
61 144.8 99.2 184.2
98 63.4 43.1 80.1

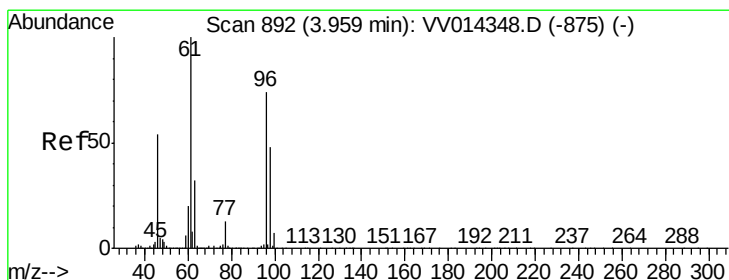
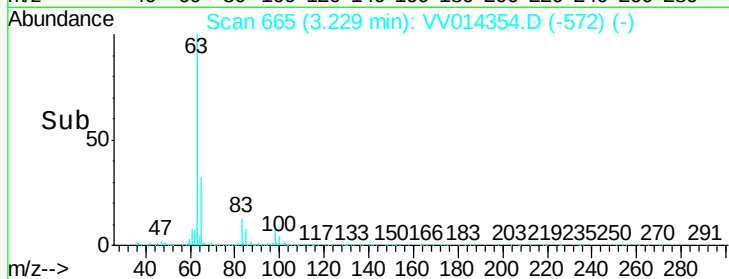
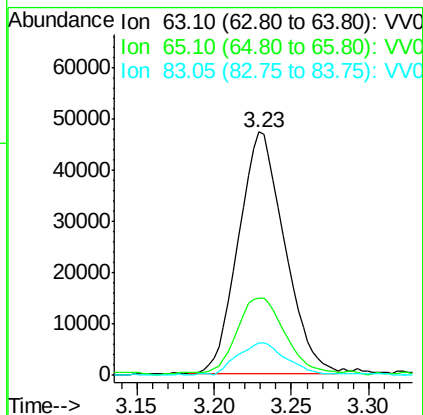
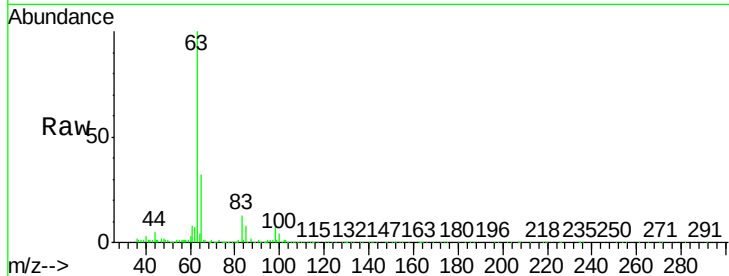




#19
 1,1-Dichloroethane
 Concen: 0.908 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV014354.D
 Acq: 20 Jan 2020 13:55

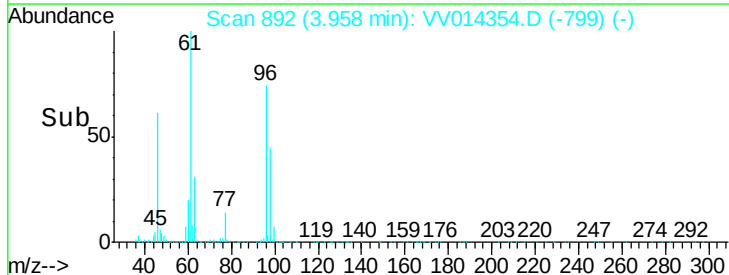
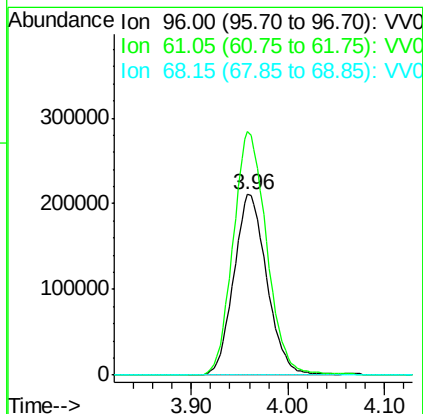
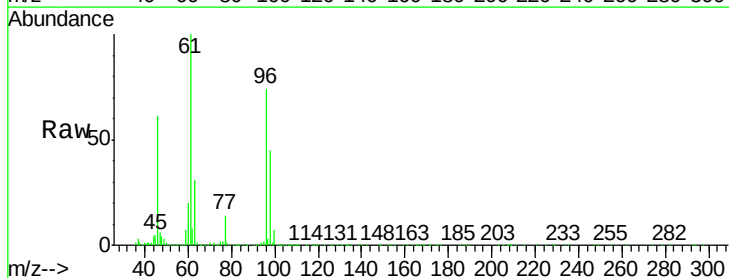
Instrument :
 MSVOA_V
 ClientSampleId :
 BF764DL

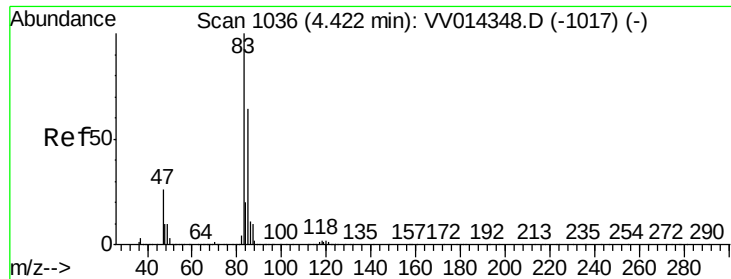
Tot Ion:	63	Resp:	98387
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.7	42.3
83	13.2	10.0	18.6



#22
 cis-1,2-Dichloroethene
 Concen: 8.246 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV014354.D
 Acq: 20 Jan 2020 13:55

Tgt Ion:	96	Resp:	499619
Ion	Ratio	Lower	Upper
96	100		
61	135.0	90.6	168.3
68	0.1	0.3	0.7#





#25

Chloroform

Concen: 0.348 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV014354.D

Acq: 20 Jan 2020 13:55

Instrument :

MSVOA_V

ClientSampleId :

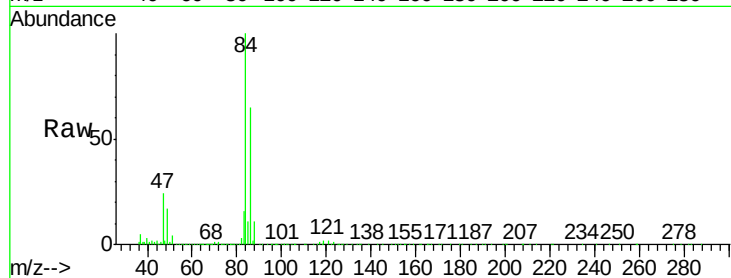
BF764DL

Tot Ion: 83 Resp: 36068

Ion Ratio Lower Upper

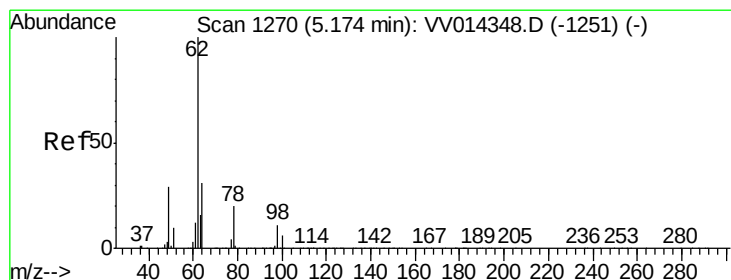
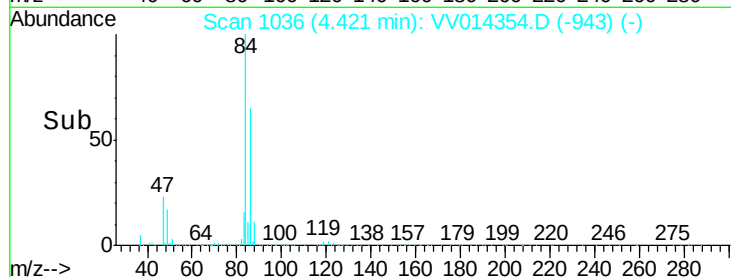
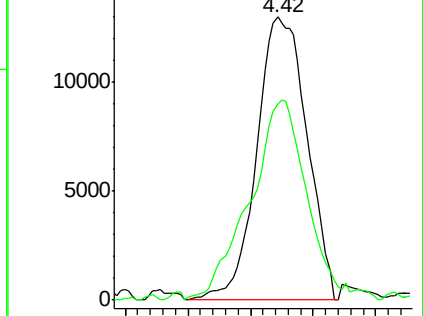
83 100

85 69.5 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 0.274 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV014354.D

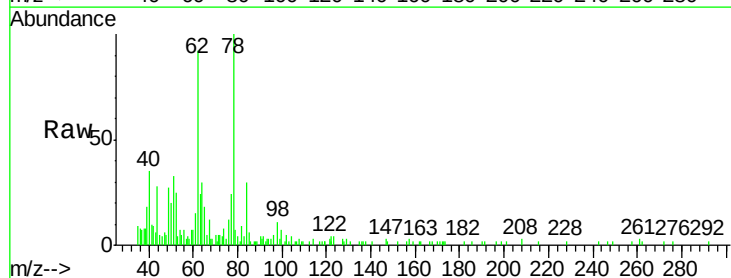
Acq: 20 Jan 2020 13:55

Tgt Ion: 62 Resp: 16986

Ion Ratio Lower Upper

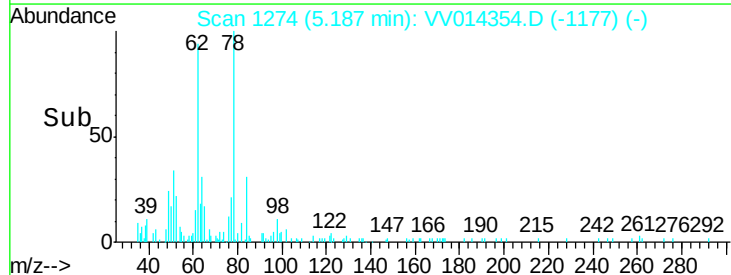
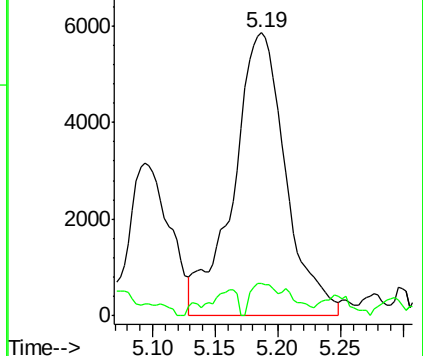
62 100

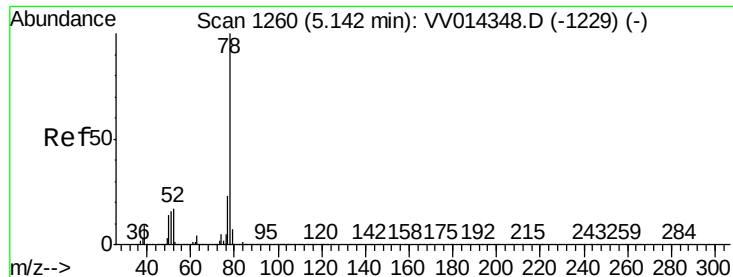
98 11.5 9.2 13.8



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0





#33

Benzene

Concen: 0.958 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VV014354.D

Acq: 20 Jan 2020 13:55

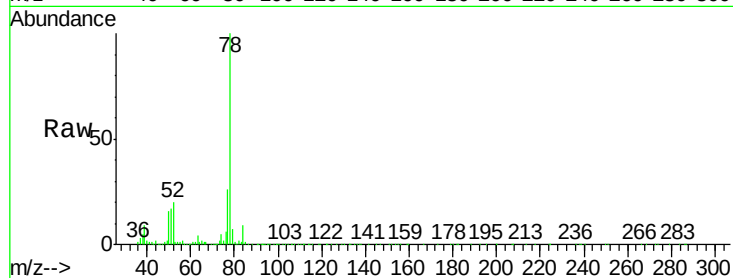
Instrument :

MSVOA_V

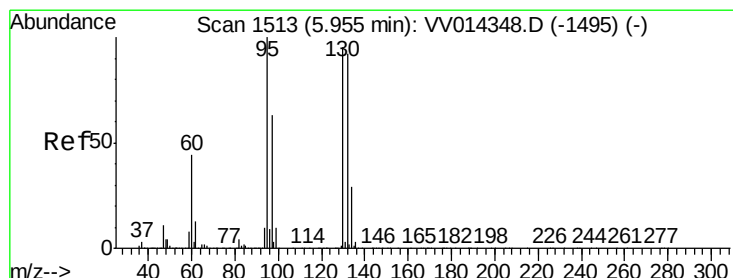
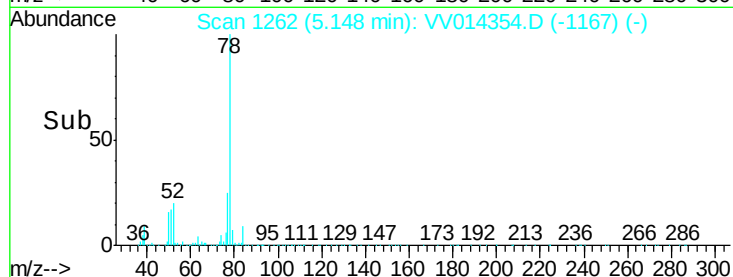
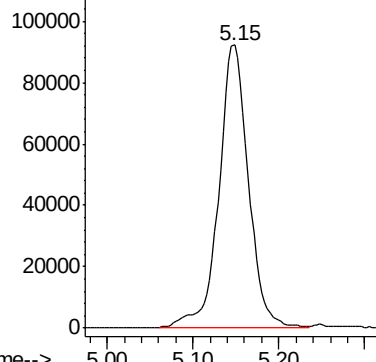
ClientSampleId :

BF764DL

Tgt Ion: 78 Resp: 221870



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.291 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014354.D

Acq: 20 Jan 2020 13:55

Tgt Ion: 95 Resp: 76846

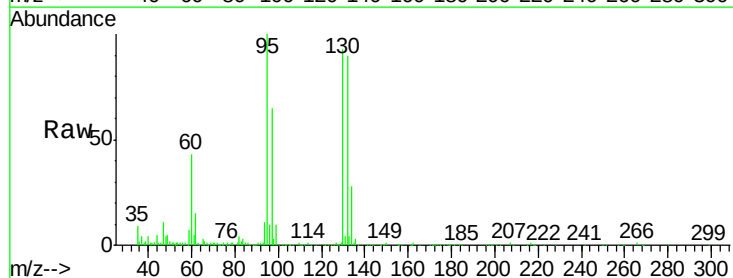
Ion	Ratio	Lower	Upper
95	100		
97	64.8	43.8	81.3
132	89.5	63.4	117.8
130	92.9	65.7	122.1

95 100

97 64.8 43.8 81.3

132 89.5 63.4 117.8

130 92.9 65.7 122.1

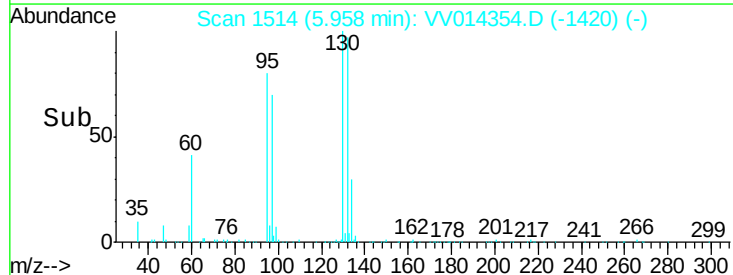
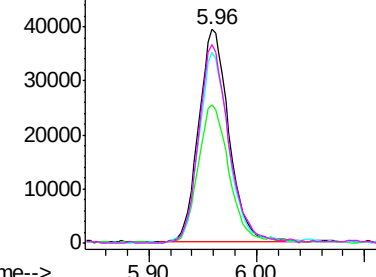


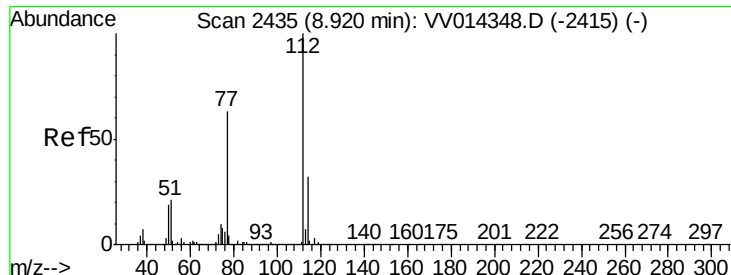
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





#51

Chlorobenzene

Concen: 1.696 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV014354.D

Acq: 20 Jan 2020 13:55

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MSVOA_V

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BF764DL

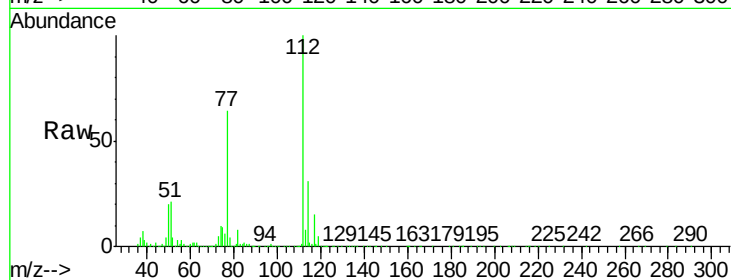
Tot Ion:112 Resp: 255005

Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 63.7 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

