

Data File : VV009869.D
Acq On : 25 Mar 2019 18:45
Operator : SY/MD
Sample : K2070-06 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C09B1

Quant Time: Mar 26 07:18:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM032519WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Mar 26 07:13:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	174994	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	172203	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72921	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82725	46.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.60%
7) Chloroethane-d5	1.56	69	95835	47.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.34%
11) 1,1-Dichloroethene-d2	2.13	63	179809	34.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.28%
21) 2-Butanone-d5	3.93	46	79198	99.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.31%
24) Chloroform-d	4.40	84	109020	43.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.76%
26) 1,2-Dichloroethane-d4	5.08	65	76449	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.06%
32) Benzene-d6	5.10	84	233882	50.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.08%
36) 1,2-Dichloropropane-d6	6.12	67	70104	48.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.24%
41) Toluene-d8	7.36	98	215849	47.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.32%
43) trans-1,3-Dichloropropene-	7.67	79	27300	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.90%
47) 2-Hexanone-d5	8.13	63	57382	97.08	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.08%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	101438	43.35	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.70%
64) 1,2-Dichlorobenzene-d4	11.68	152	79403	47.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.00%

Target Compounds

						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1901	0.708	ug/L #	21
12) 1,1-Dichloroethene	2.12	96	1591	0.669	ug/L #	1
33) Benzene	5.15	78	34241	6.811	ug/L	100
39) cis-1,3-Dichloropropene	7.03	75	2610	1.402	ug/L #	61
40) 4-Methyl-2-pentanone	7.36	43	1516	0.856	ug/L #	1
44) trans-1,3-Dichloropropene	7.66	75	1620	0.936	ug/L #	81
51) Chlorobenzene	8.93	112	100552	26.400	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	25251	10.109	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	110521	42.201	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	190030	72.011	ug/L	97
67) 1,3,5-Trichlorobenzene	13.31	180	22158	13.002	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	22158	16.318	ug/L	95
70) 1,2,3-Trichlorobenzene	13.80	180	9563	6.962	ug/L	93

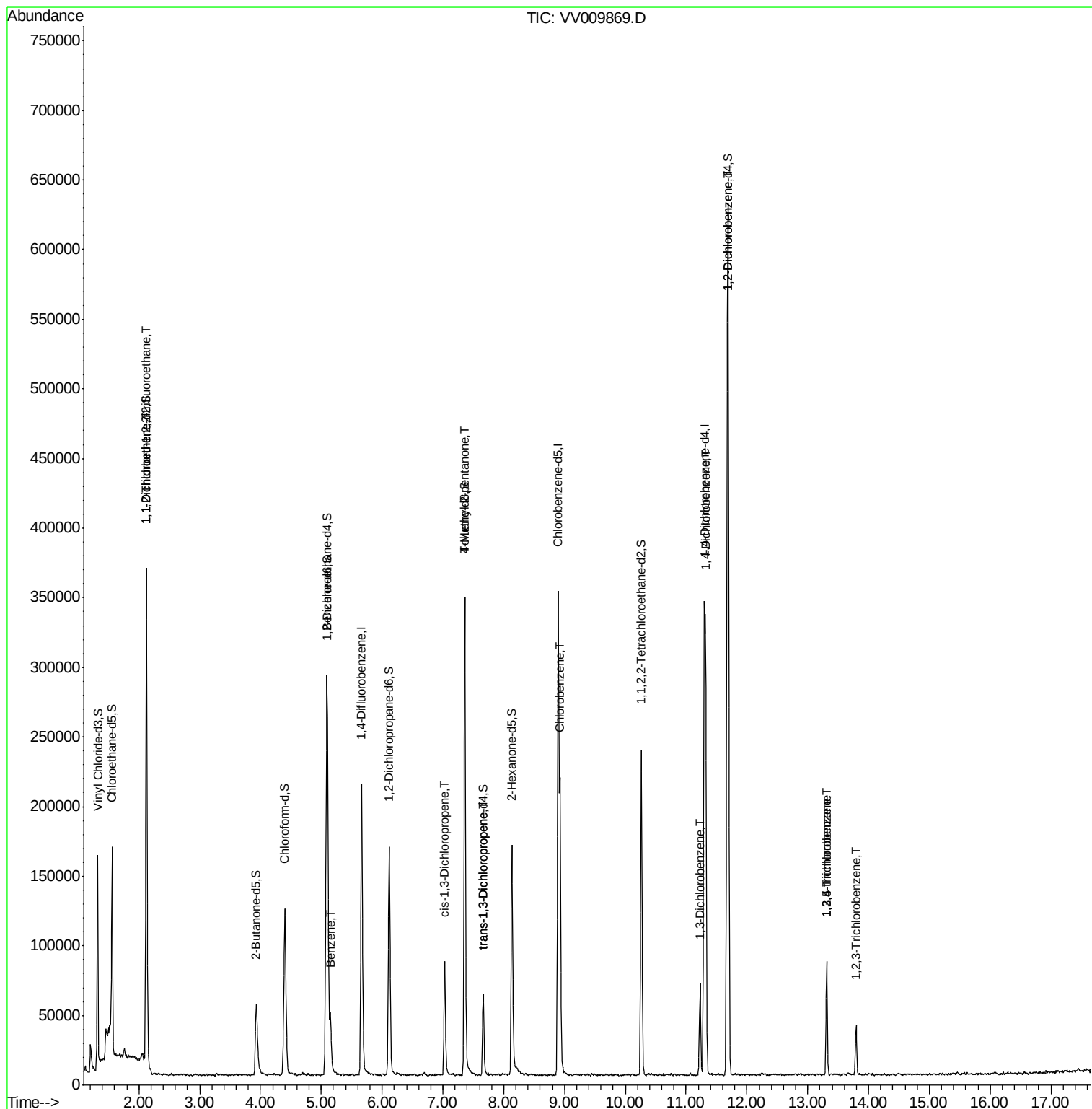
(#) = qualifier out of range (m) = manual integration (+) = signals summed

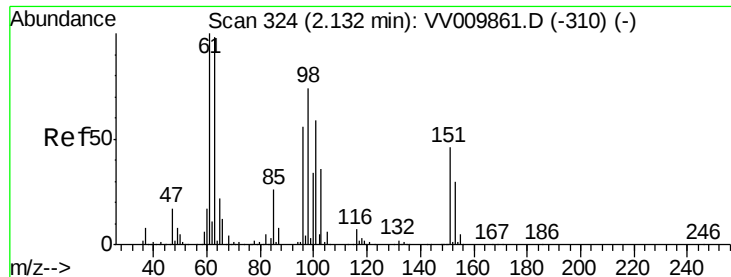
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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.708 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

C09B1

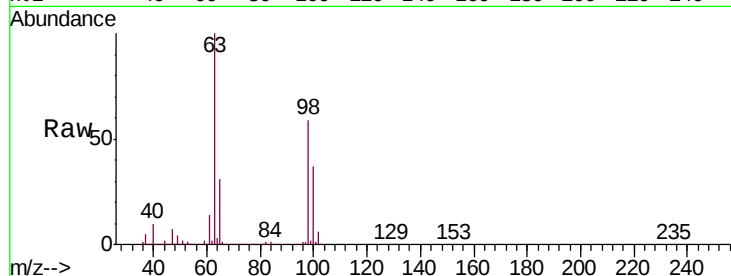
Tgt Ion:101 Resp: 1901

Ion Ratio Lower Upper

101 100

85 3.5 37.0 55.4#

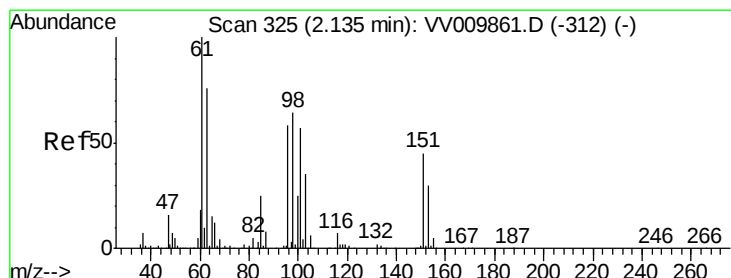
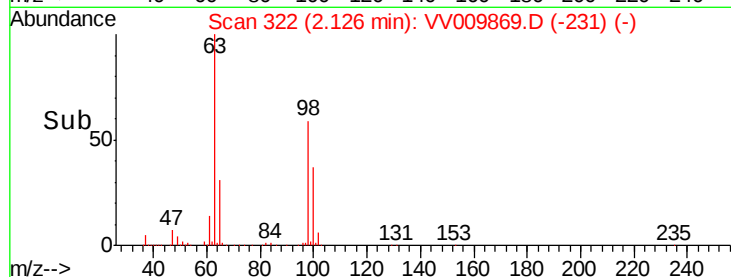
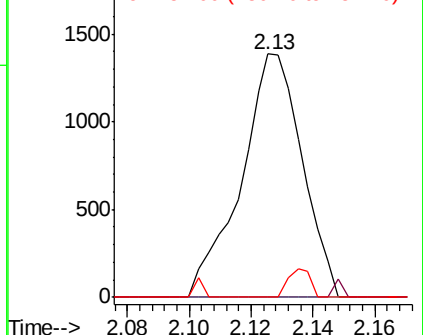
151 4.2 65.4 98.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.669 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

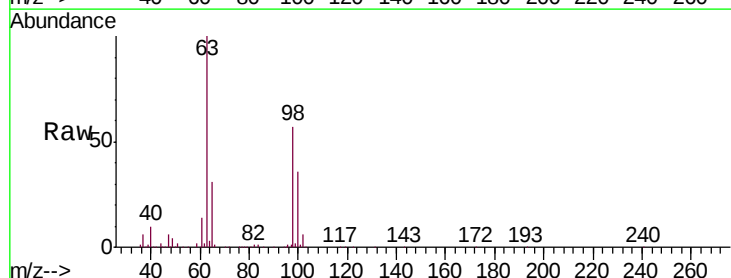
Tgt Ion: 96 Resp: 1591

Ion Ratio Lower Upper

96 100

61 1606.3 125.3 232.7#

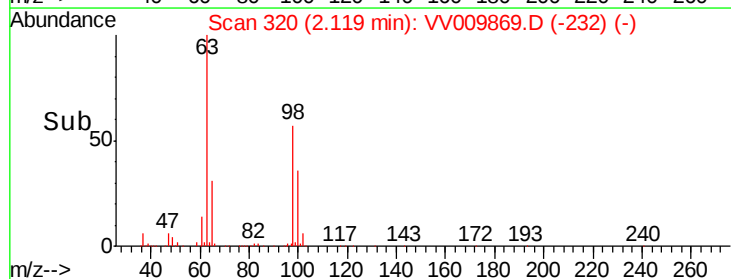
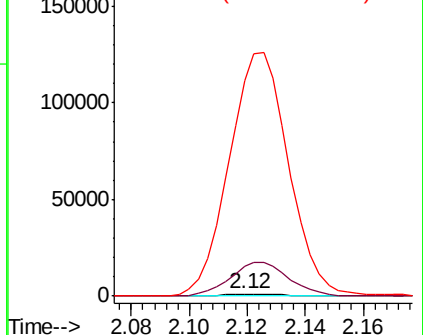
63 11628.0 109.7 203.7#

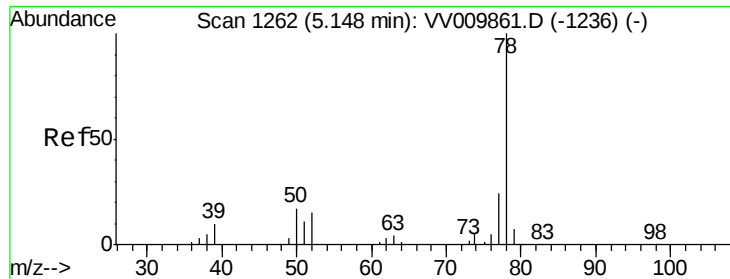


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#33

Benzene

Concen: 6.811 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

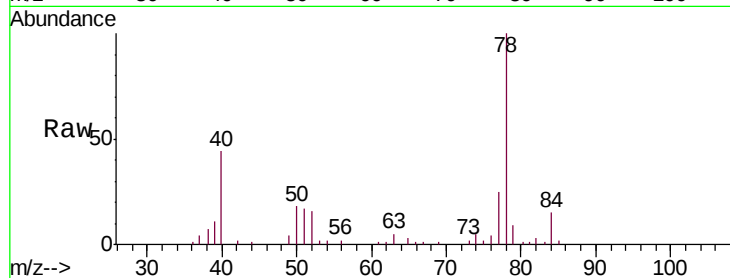
Instrument :

MSVOA_V

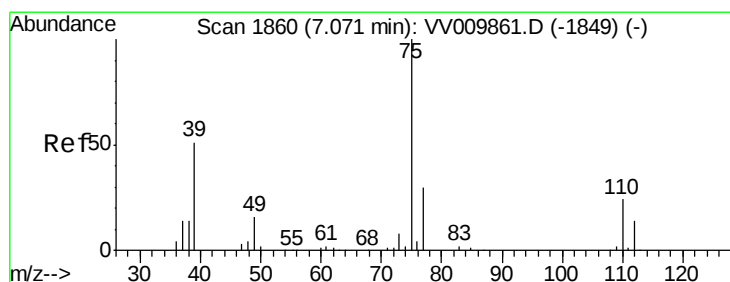
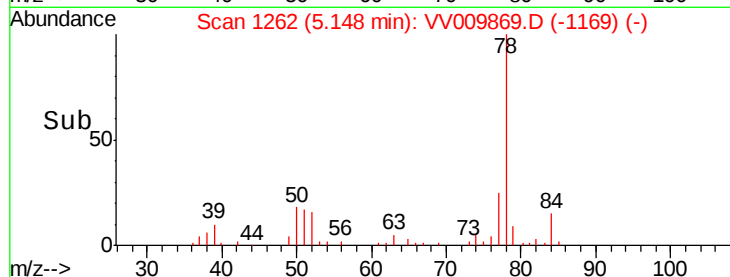
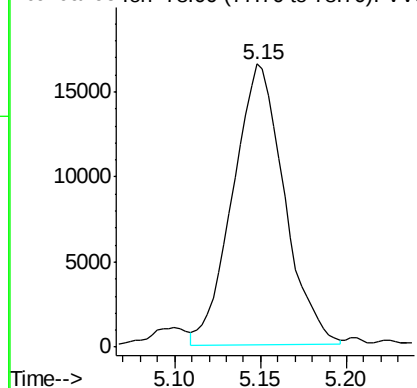
ClientSampled :

C09B1

Tgt Ion: 78 Resp: 34241



Abundance Ion 78.00 (77.70 to 78.70): VV0



#39

cis-1,3-Dichloropropene

Concen: 1.402 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009869.D

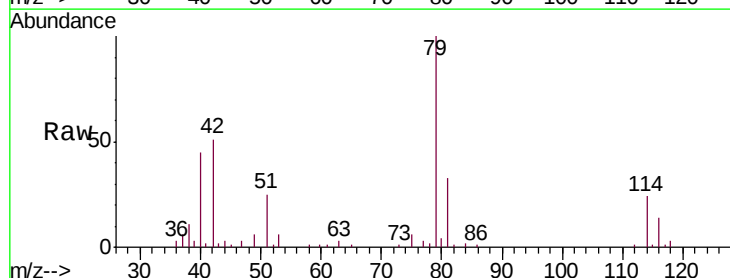
Acq: 25 Mar 2019 18:45

Tgt Ion: 75 Resp: 2610

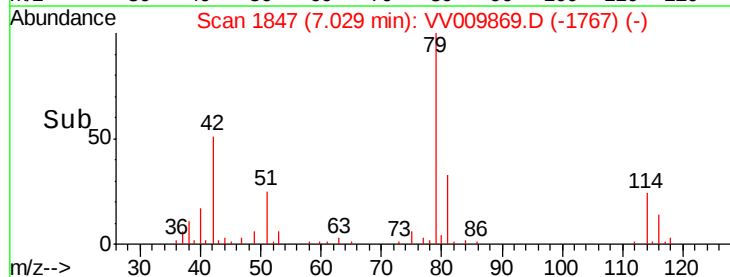
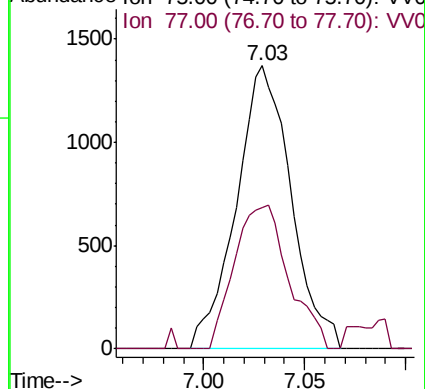
Ion Ratio Lower Upper

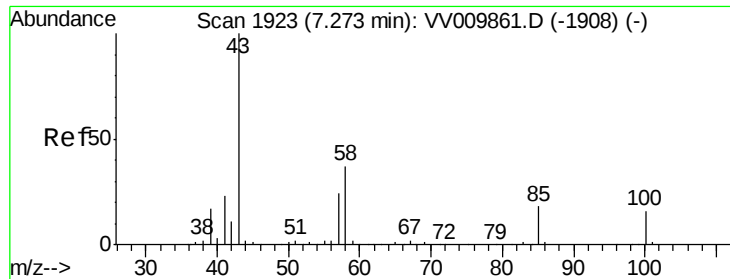
75 100

77 50.0 20.5 38.1#



Abundance Ion 75.00 (74.70 to 75.70): VV0

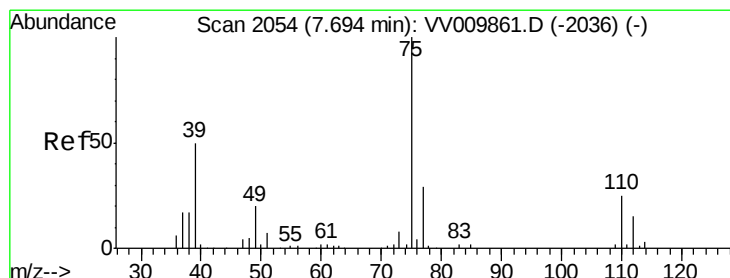
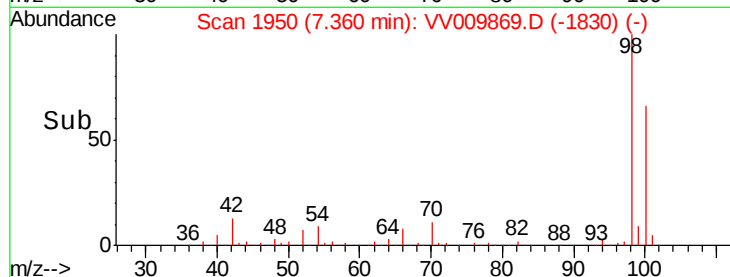
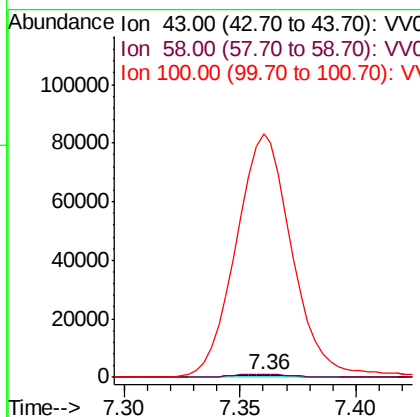
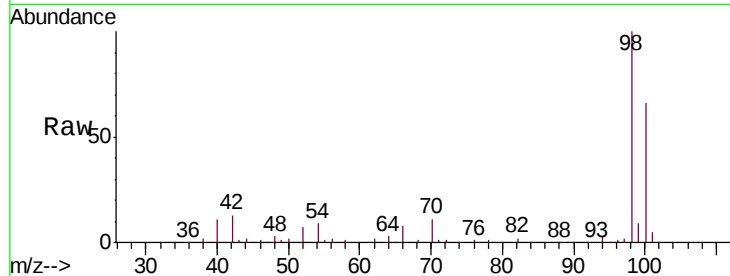




#40
4-Methyl-2-pentanone
Concen: 0.856 ug/L
RT: 7.36 min Scan# 1950
Delta R.T. 0.09 min
Lab File: VV009869.D
Acq: 25 Mar 2019 18:45

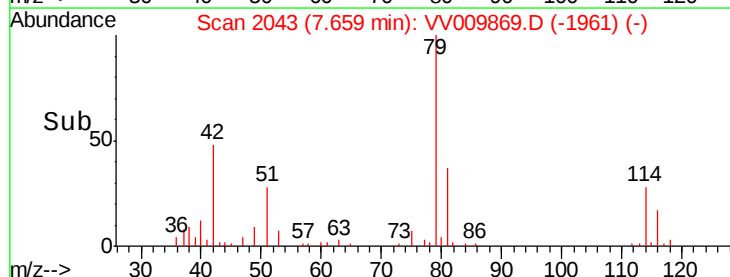
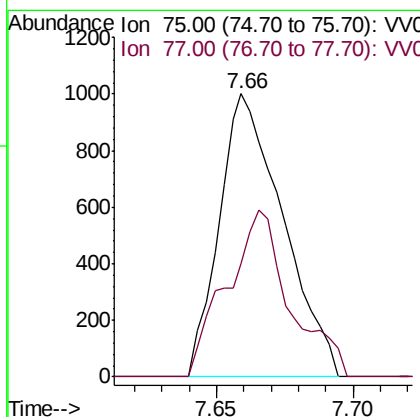
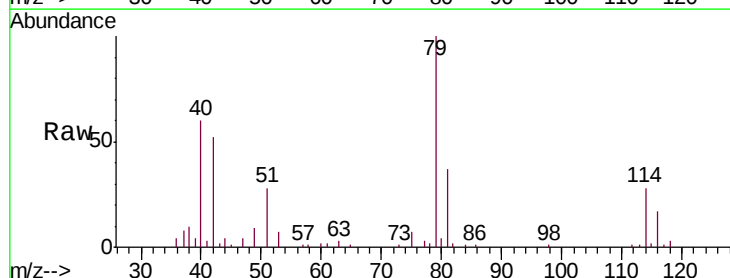
Instrument :
MSVOA_V
ClientSampleId :
C09B1

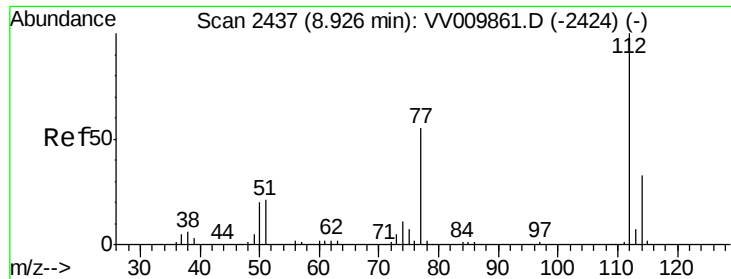
Tgt Ion: 43 Resp: 1516
Ion Ratio Lower Upper
43 100
58 121.9 29.8 44.8#
100 9341.5 12.2 18.4#



#44
trans-1,3-Dichloropropene
Concen: 0.936 ug/L
RT: 7.66 min Scan# 2043
Delta R.T. -0.04 min
Lab File: VV009869.D
Acq: 25 Mar 2019 18:45

Tgt Ion: 75 Resp: 1620
Ion Ratio Lower Upper
75 100
77 39.8 20.7 38.5#

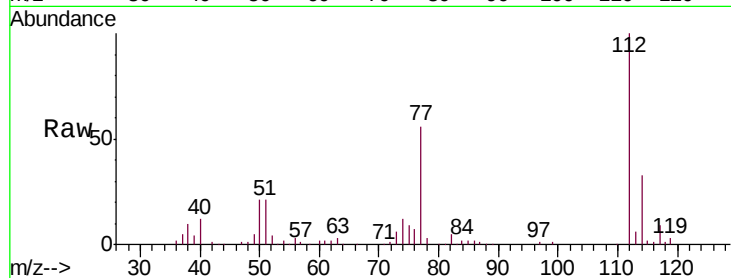




#51
Chlorobenzene
Concen: 26.400 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009869.D
Acq: 25 Mar 2019 18:45

Instrument :
MSVOA_V
ClientSampleId :
C09B1

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	23.3	43.3
77	55.9	45.8	68.6

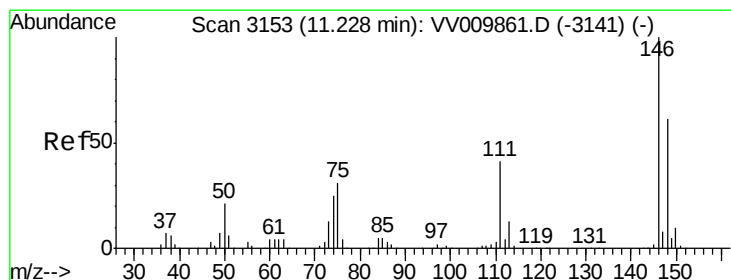
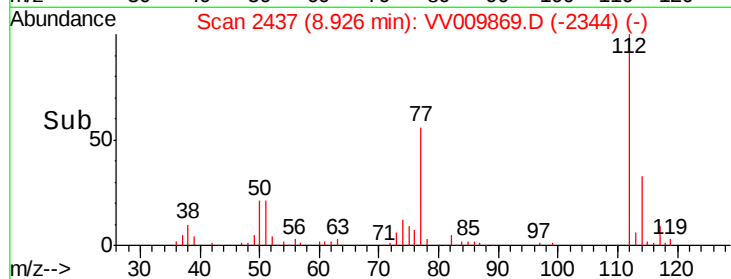
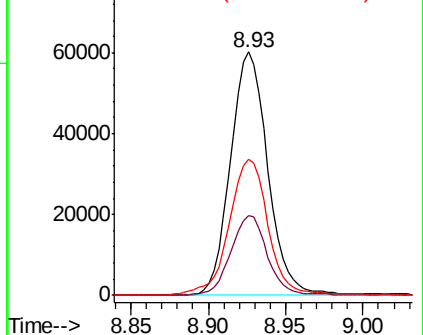


Abundance

Ion 112.00 (111.70 to 112.70): V

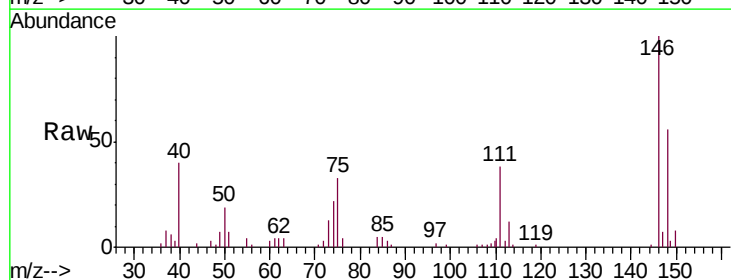
Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#62
1,3-Dichlorobenzene
Concen: 10.109 ug/L
RT: 11.23 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VV009869.D
Acq: 25 Mar 2019 18:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	27.5	51.1
148	55.8	43.0	80.0

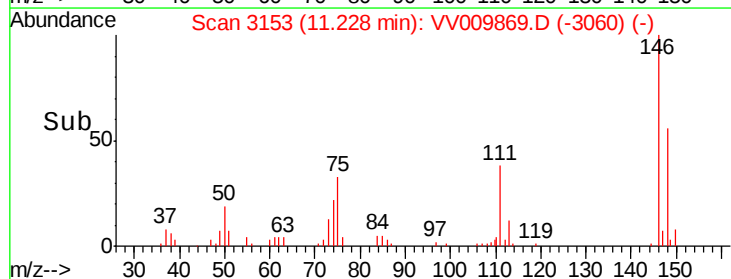
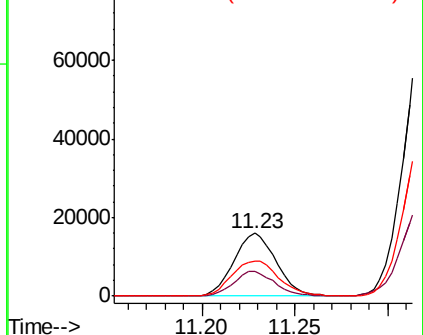


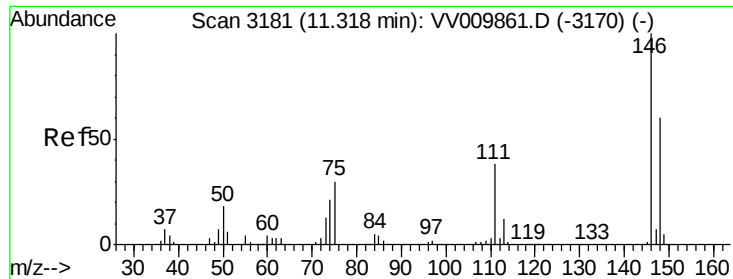
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

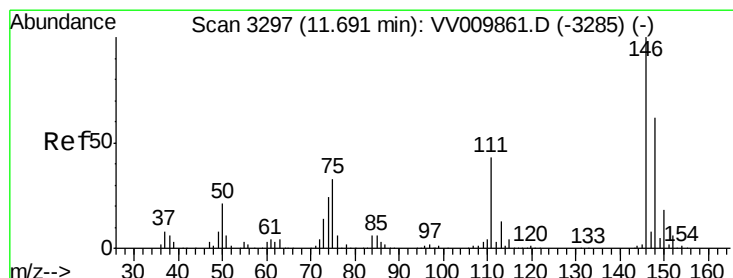
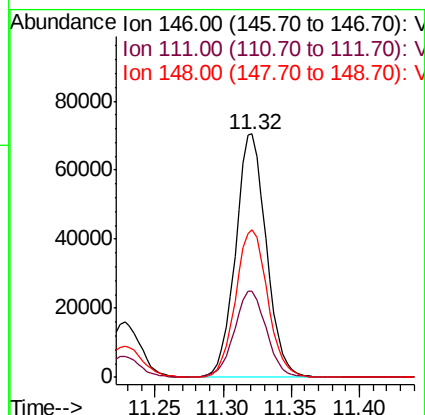
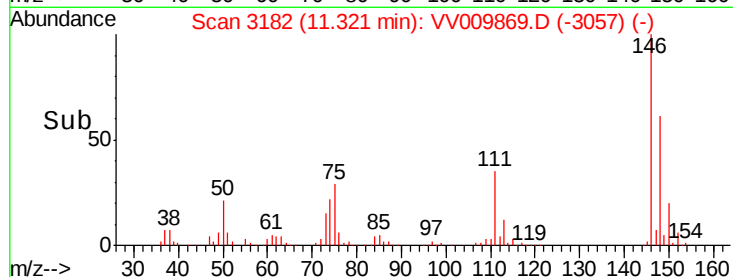
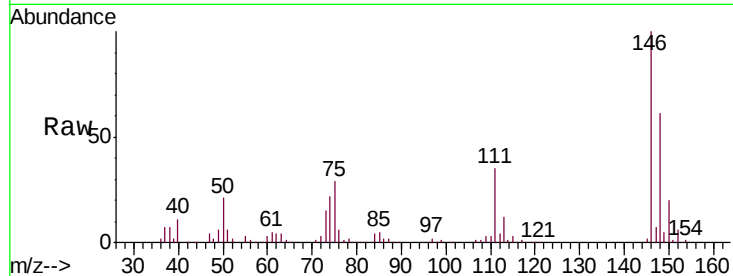




#63
 1,4-Dichlorobenzene
 Concen: 42.201 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009869.D
 Acq: 25 Mar 2019 18:45

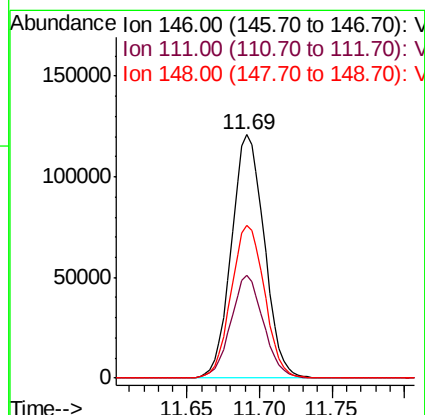
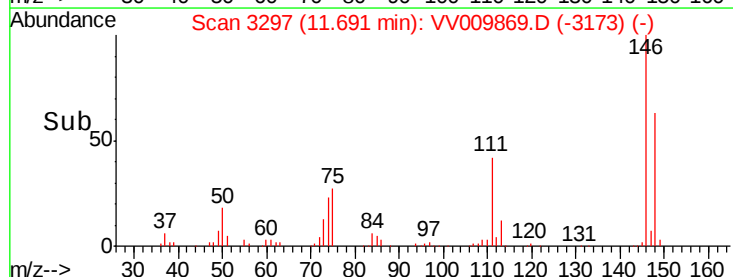
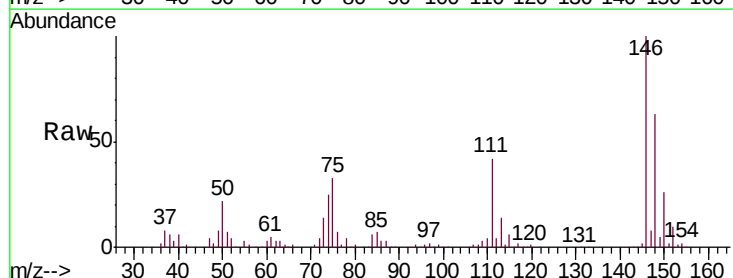
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 MSVOA_V
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 C09B1

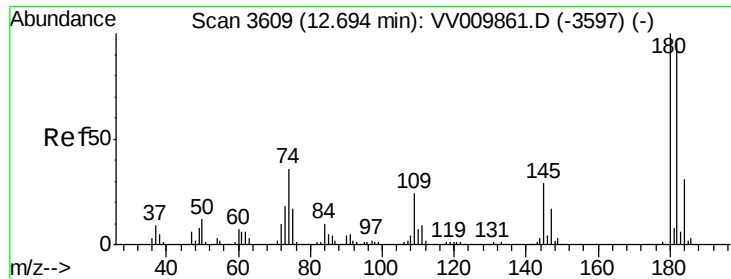
Tgt Ion:146 Resp: 110521
 Ion Ratio Lower Upper
 146 100
 111 35.3 26.5 49.3
 148 60.7 43.2 80.2



#65
 1,2-Dichlorobenzene
 Concen: 72.011 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009869.D
 Acq: 25 Mar 2019 18:45

Tgt Ion:146 Resp: 190030
 Ion Ratio Lower Upper
 146 100
 111 42.4 33.0 49.6
 148 63.0 53.2 79.8

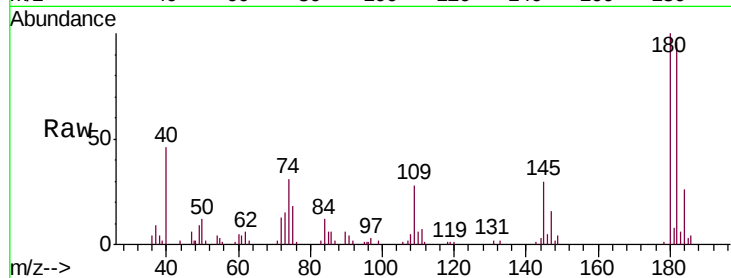




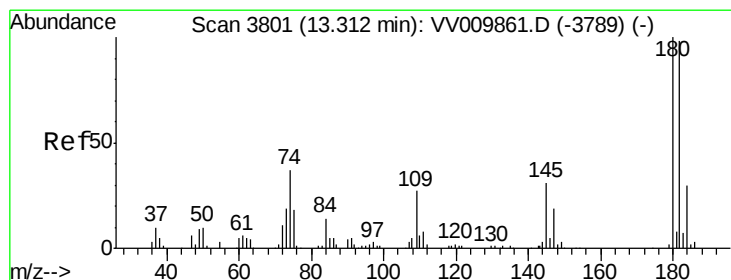
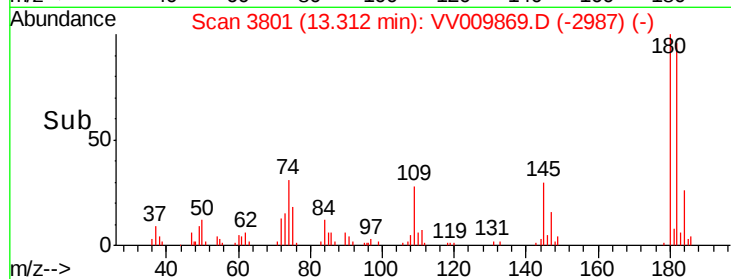
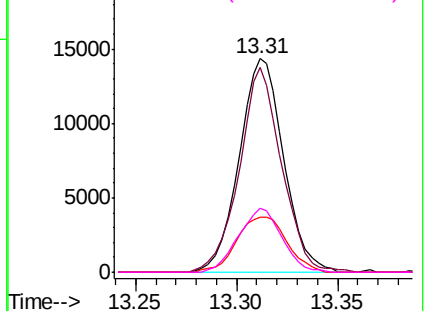
#67
 1,3,5-Trichlorobenzene
 Concen: 13.002 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.62 min
 Lab File: VV009869.D
 Acq: 25 Mar 2019 18:45

Instrument :
 MSVOA_V
 ClientSampleId :
 C09B1

Tgt Ion:180 Resp: 22158
 Ion Ratio Lower Upper
 180 100
 182 91.0 75.0 112.6
 184 29.1 24.1 36.1
 145 29.3 24.2 36.4

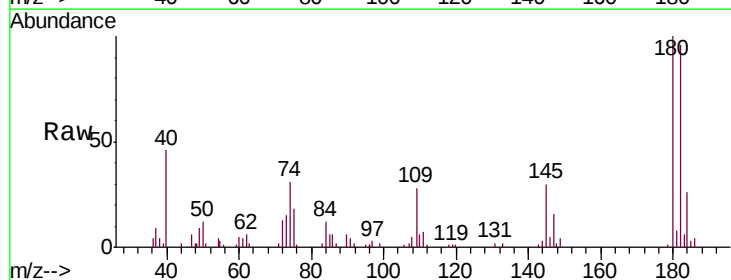


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

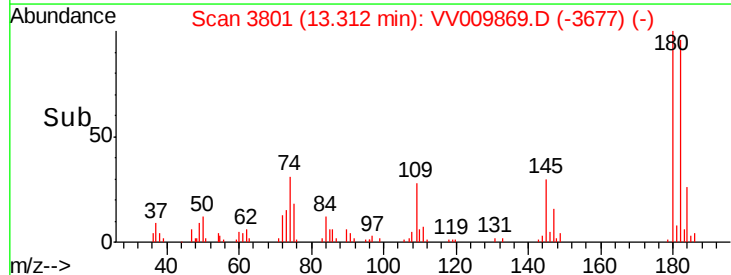
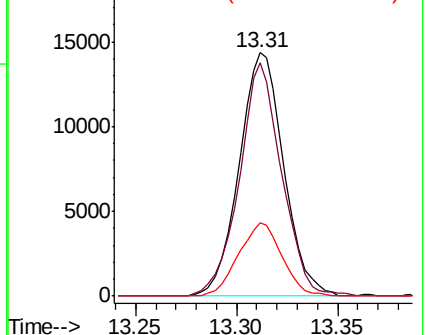


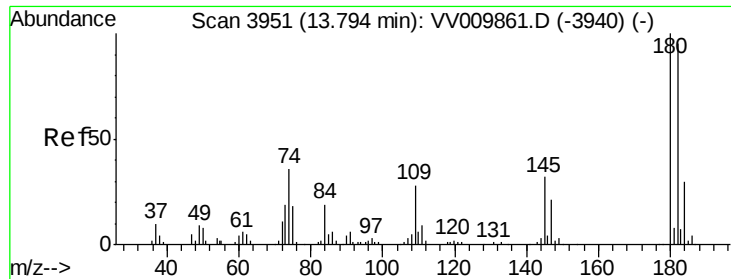
#68
 1,2,4-trichlorobenzene
 Concen: 16.318 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009869.D
 Acq: 25 Mar 2019 18:45

Tgt Ion:180 Resp: 22158
 Ion Ratio Lower Upper
 180 100
 182 91.0 77.1 115.7
 145 29.3 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#70

1,2,3-Trichlorobenzene

Concen: 6.962 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV009869.D

Acq: 25 Mar 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

C09B1

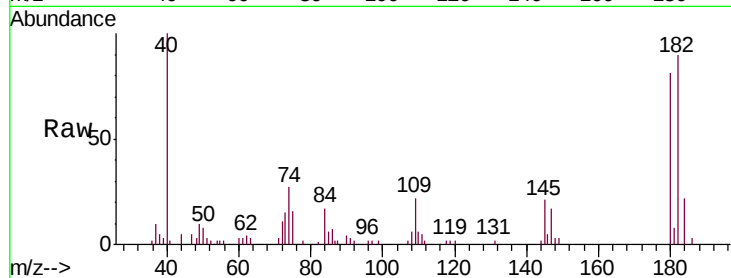
Tgt Ion:180 Resp: 9563

Ion Ratio Lower Upper

180 100

182 101.3 75.6 113.4

145 27.8 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

