

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021419\
 Data File : VN053770.D
 Acq On : 14 Feb 2019 10:59
 Operator : JC/SP
 Sample : VN0214WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 15 01:01:01 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	600021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1020333	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	944391	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	363954	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	332115	55.17	ug/l	0.00
Spiked Amount			Recovery	=	110.34%	
35) Dibromofluoromethane	7.59	113	329661	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
50) Toluene-d8	10.09	98	1228511	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	12.40	95	399883	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	

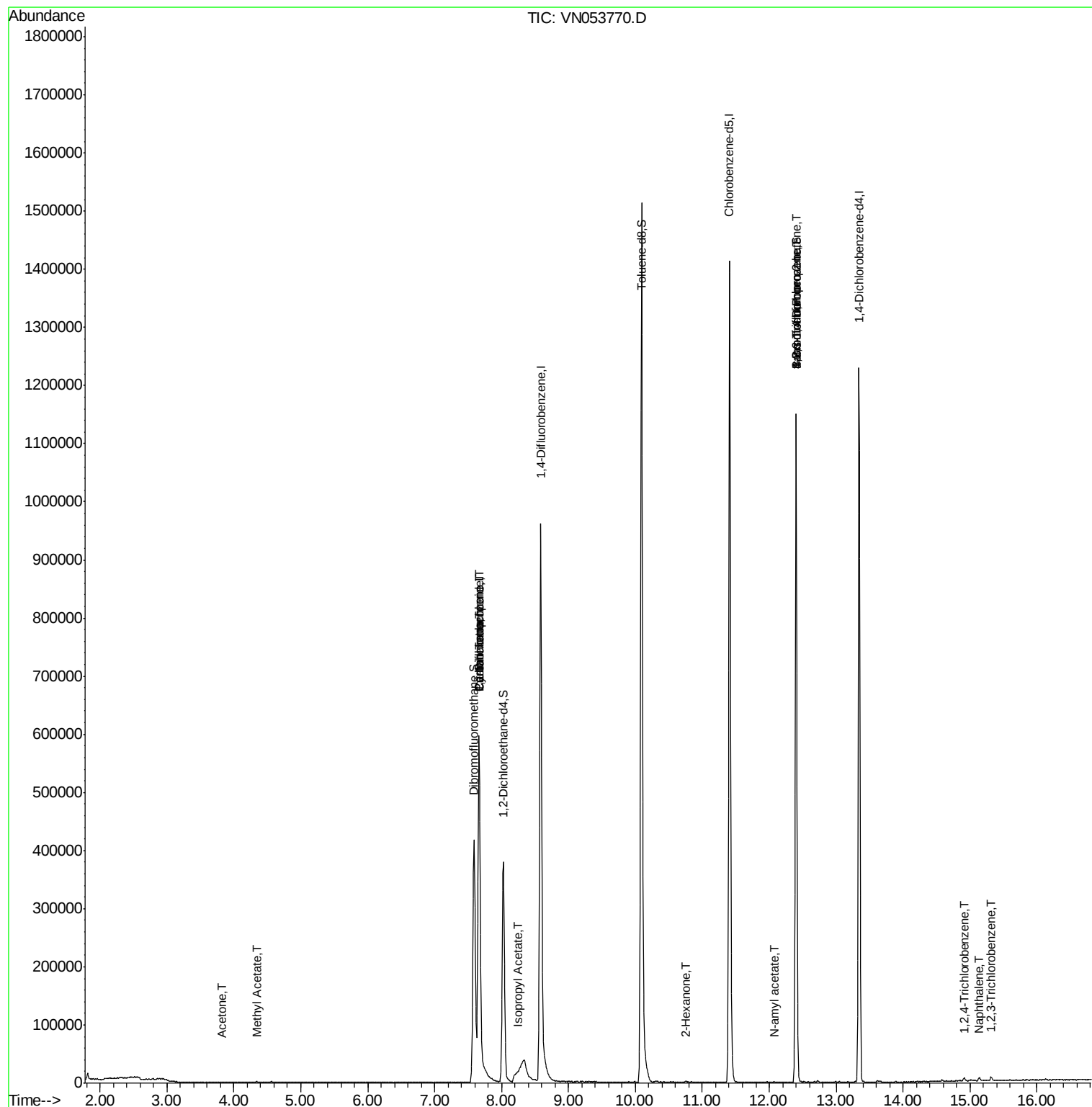
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	714	0.462	ug/l	99
18) Methyl Acetate	4.34	43	2737	0.599	ug/l #	74
31) Cyclohexane	7.66	56	8267	0.645	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	36391	3.957	ug/l #	49
38) Carbon Tetrachloride	7.66	117	47647	5.142	ug/l #	17
43) Isopropyl Acetate	8.24	43	22750	2.293	ug/l #	51
59) 2-Hexanone	10.75	43	1733	0.524	ug/l #	60
71) Bromoform	12.40	173	2777	0.578	ug/l #	1
74) N-amyl acetate	12.07	43	1311	0.213	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	186900	39.981	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	186900	112.422	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2091	0.307	ug/l	93
95) Naphthalene	15.14	128	5202	2.050	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3102	0.491	ug/l	91

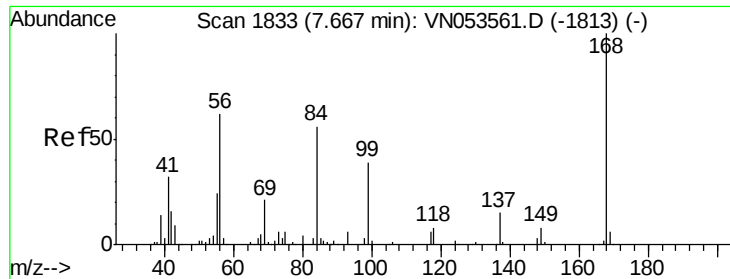
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

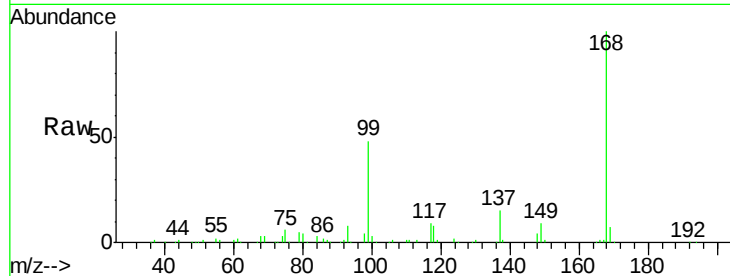
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 600021

Ion Ratio Lower Upper

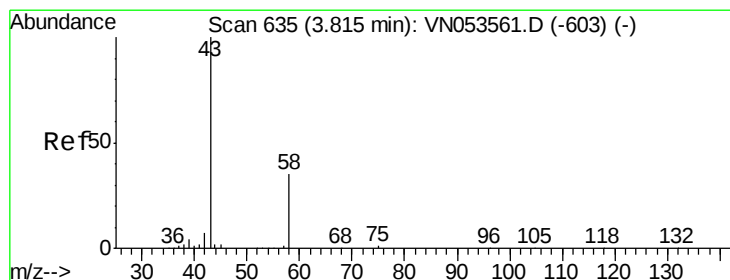
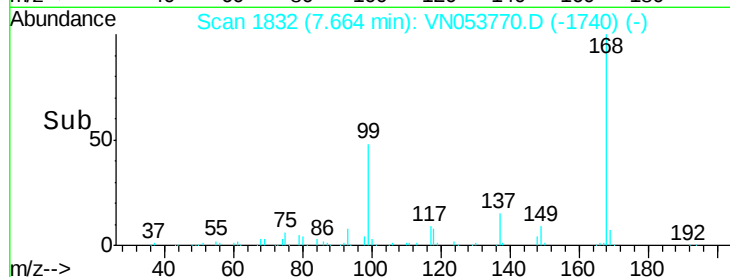
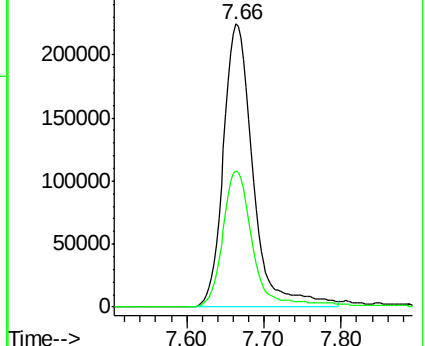
168 100

99 48.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 0.462 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN053770.D

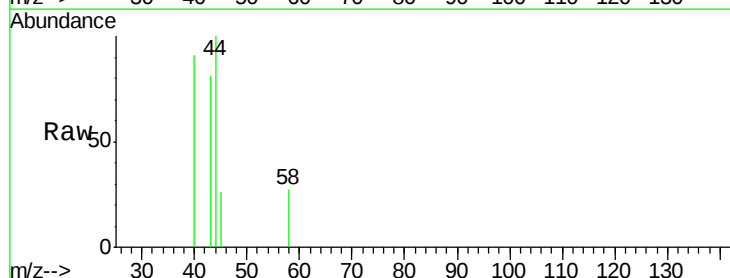
Acq: 14 Feb 2019 10:59

Tgt Ion: 43 Resp: 714

Ion Ratio Lower Upper

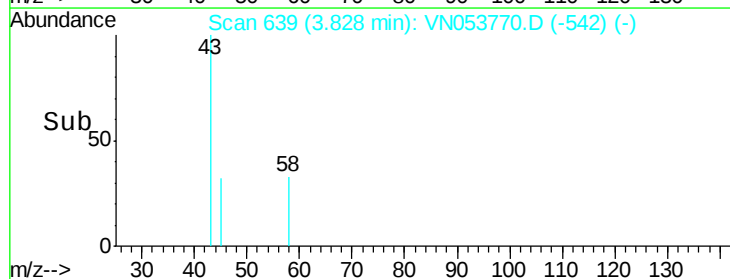
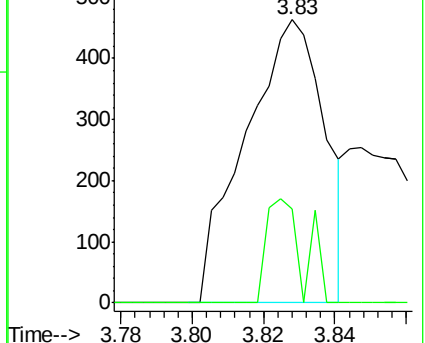
43 100

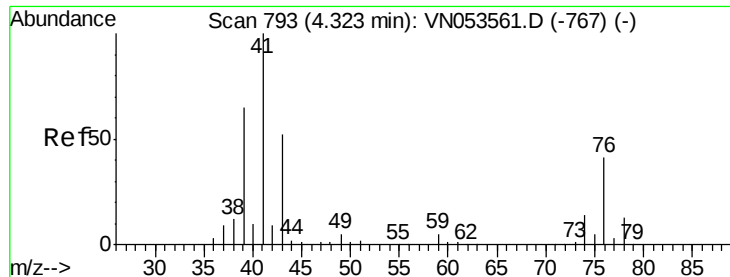
58 33.3 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

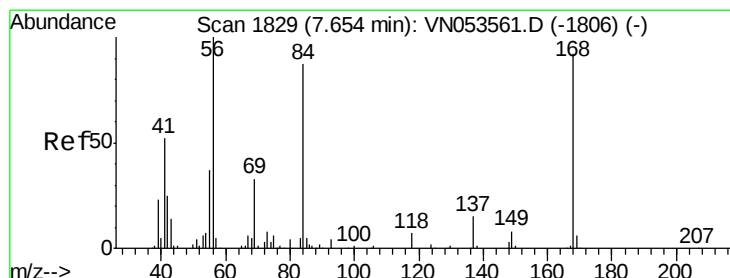
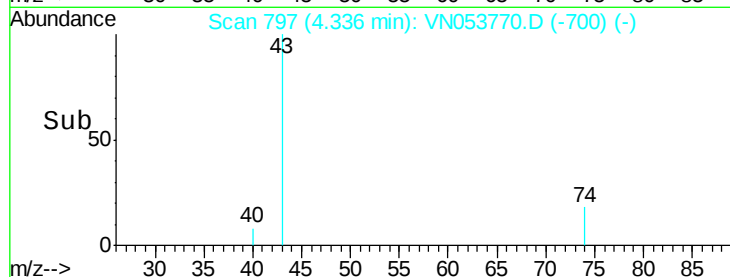
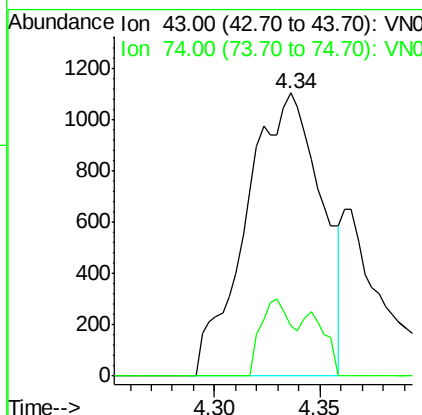
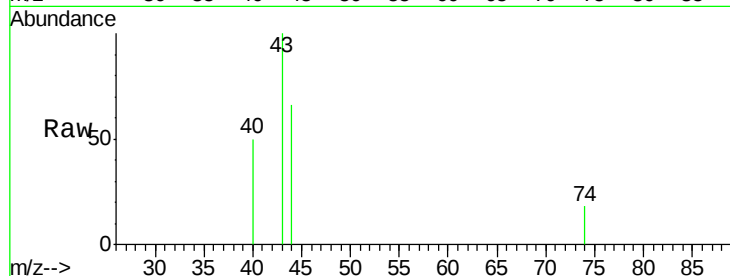




#18
Methyl Acetate
Concen: 0.599 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053770.D
Acq: 14 Feb 2019 10:59

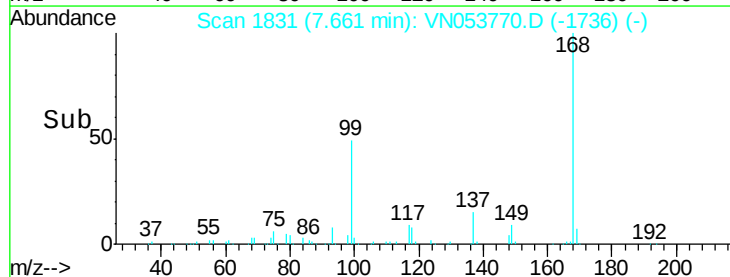
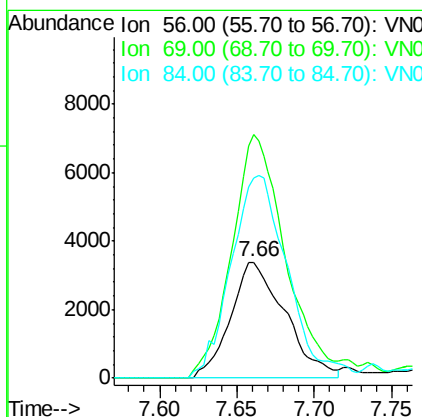
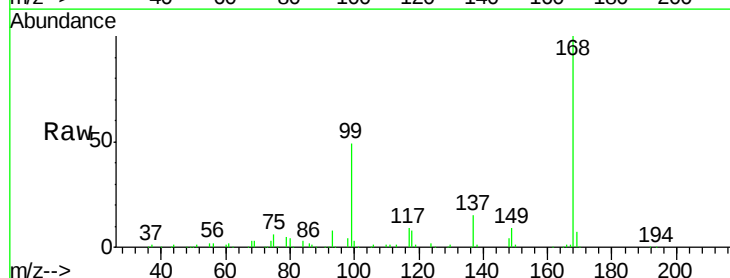
Instrument :
MSVOA_N
ClientSampled :

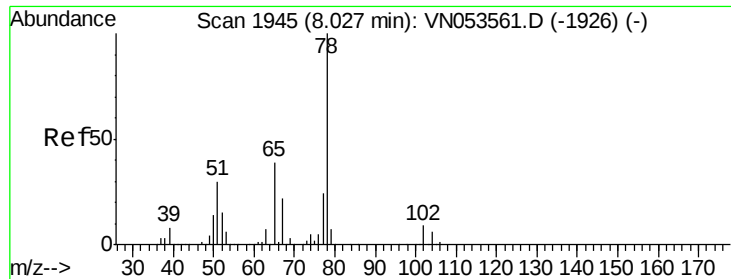
Tot Ion: 43 Resp: 2737
Ion Ratio Lower Upper
43 100
74 11.3 19.4 29.2#



#31
Cyclohexane
Concen: 0.645 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN053770.D
Acq: 14 Feb 2019 10:59

Tgt Ion: 56 Resp: 8267
Ion Ratio Lower Upper
56 100
69 210.2 26.4 39.6#
84 172.3 67.9 101.9#

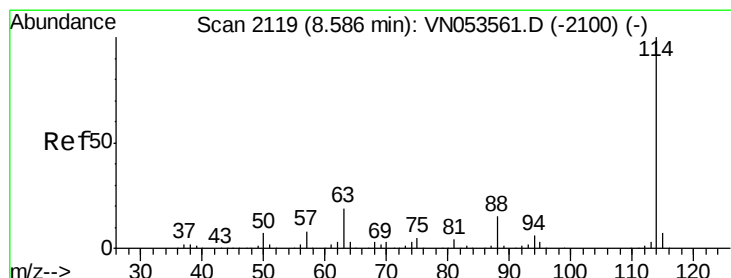
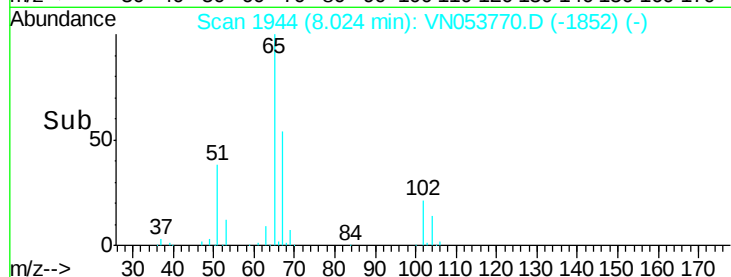
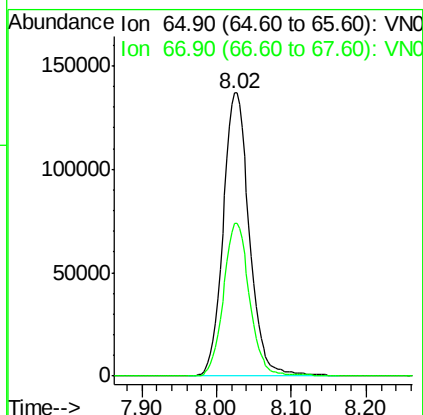
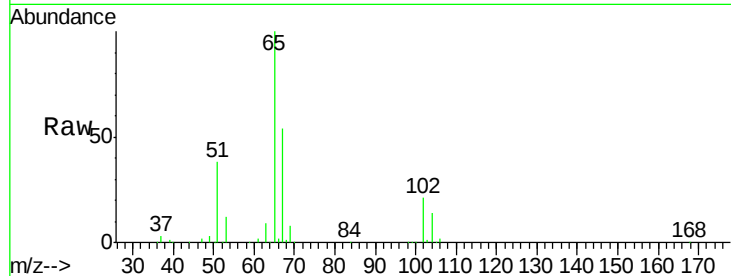




#33
 1,2-Dichloroethane-d4
 Concen: 55.174 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053770.D
 Acq: 14 Feb 2019 10:59

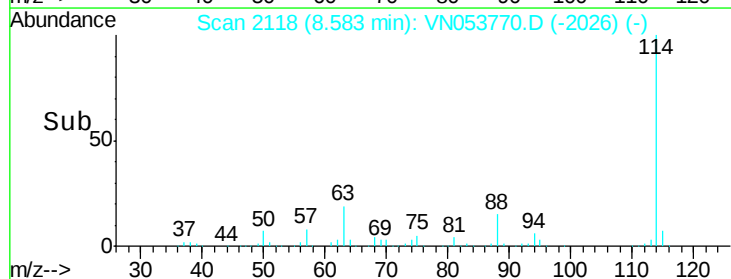
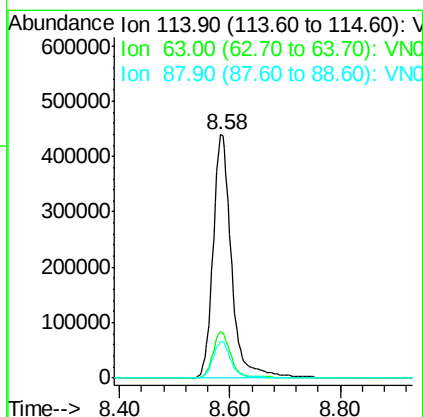
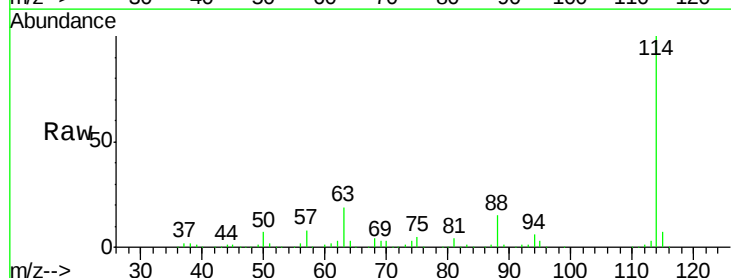
Instrument :
 MSVOA_N
 ClientSampleId :

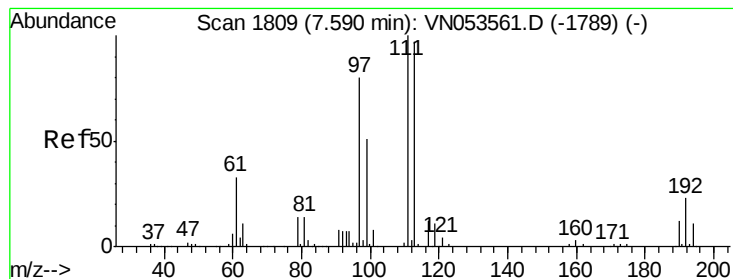
Tot Ion: 65 Resp: 332115
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053770.D
 Acq: 14 Feb 2019 10:59

Tgt Ion: 114 Resp: 1020333
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.6
 88 14.7 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.133 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

Instrument :
MSVOA_N
ClientSampleId :

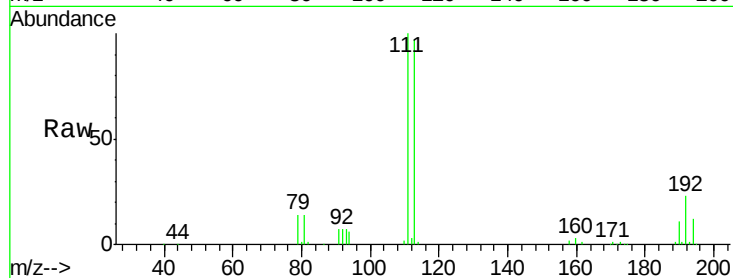
Tot Ion:113 Resp: 329661

Ion Ratio Lower Upper

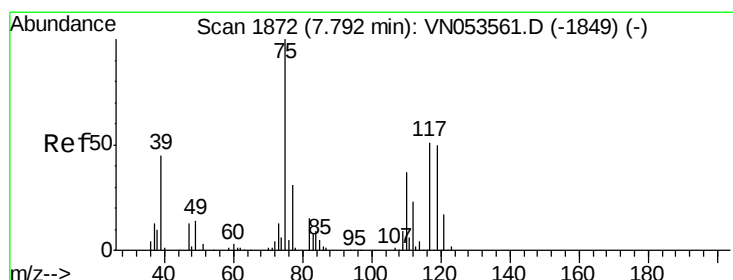
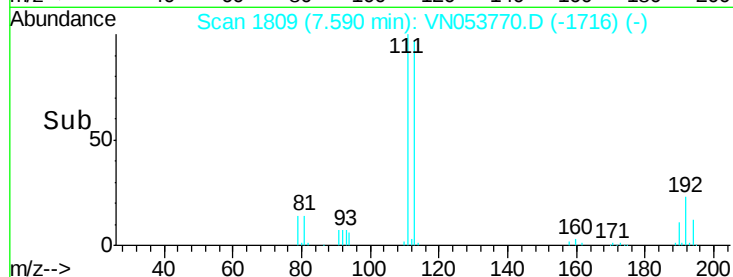
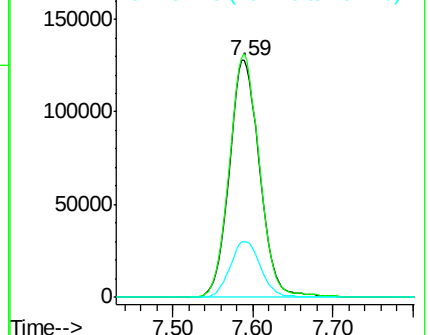
113 100

111 101.9 81.1 121.7

192 23.5 18.2 27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.957 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

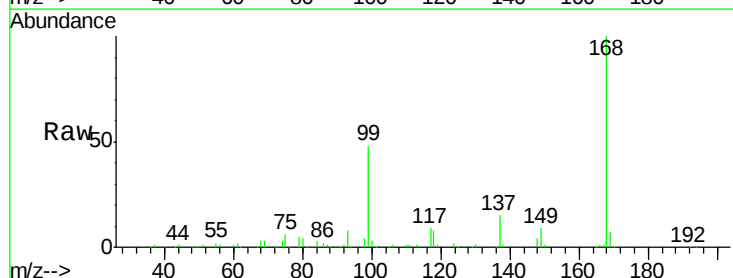
Tgt Ion: 75 Resp: 36391

Ion Ratio Lower Upper

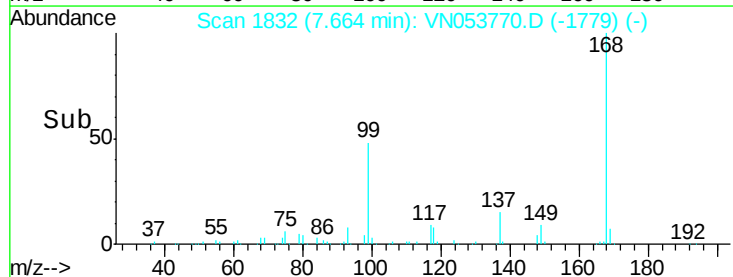
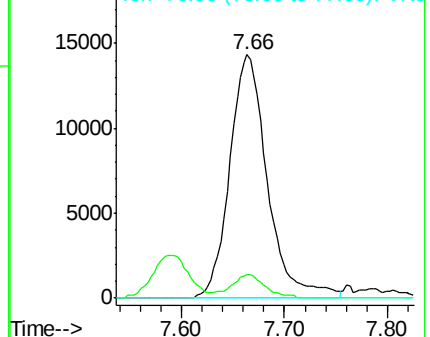
75 100

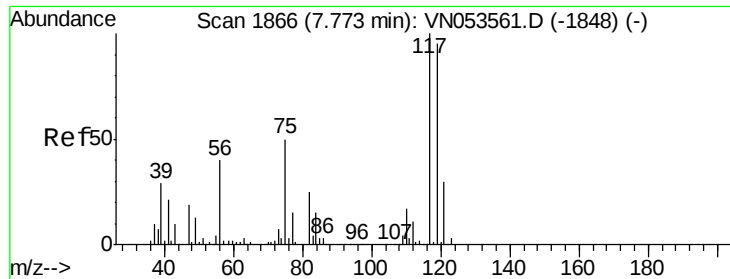
110 8.9 18.1 54.3#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V

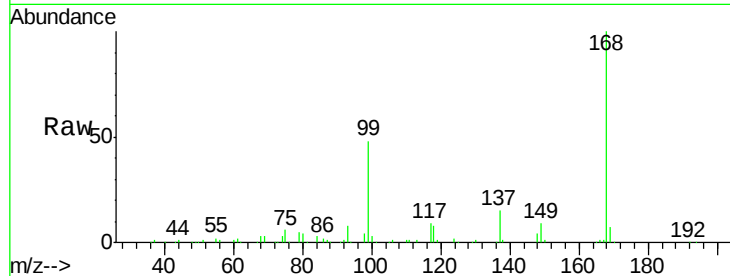




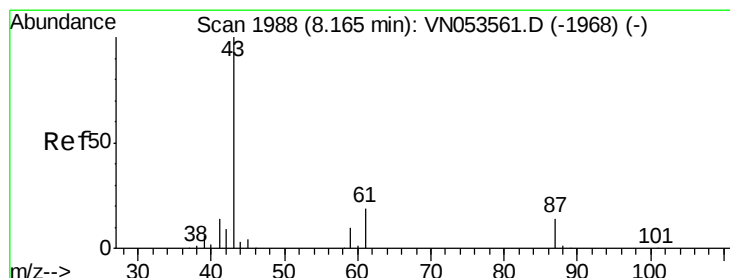
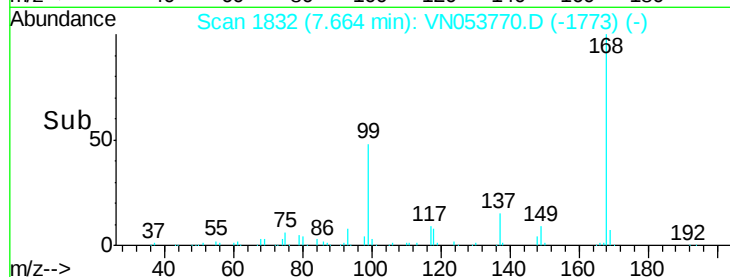
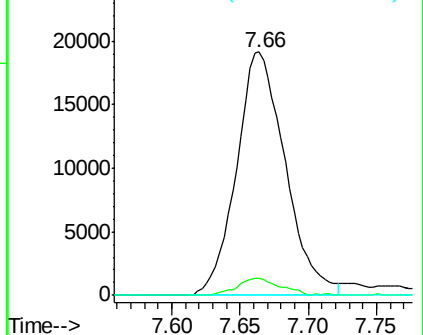
#38
Carbon Tetrachloride
Concen: 5.142 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053770.D
Acq: 14 Feb 2019 10:59

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 47647
Ion Ratio Lower Upper
117 100
119 6.9 77.2 115.8#
121 0.0 24.6 37.0#

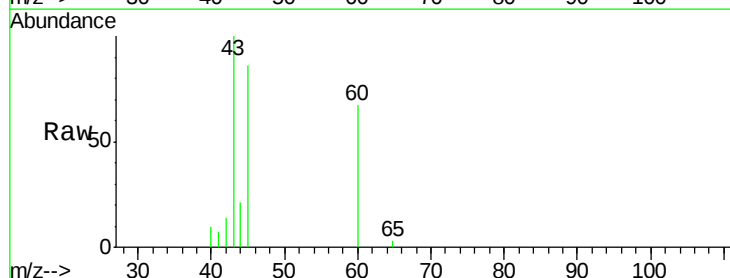


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

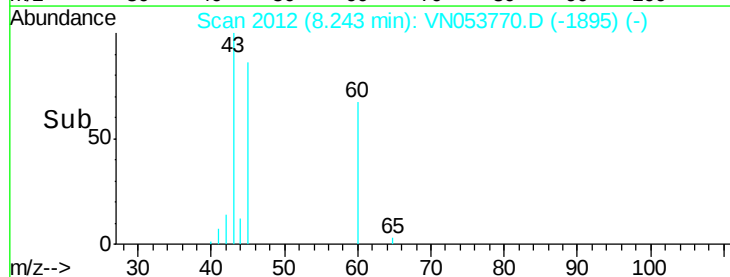
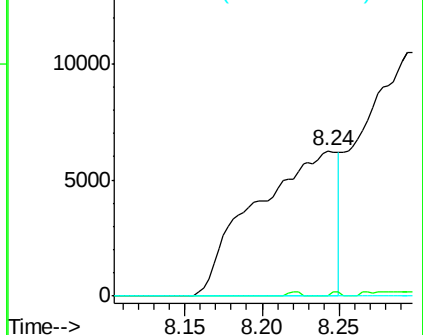


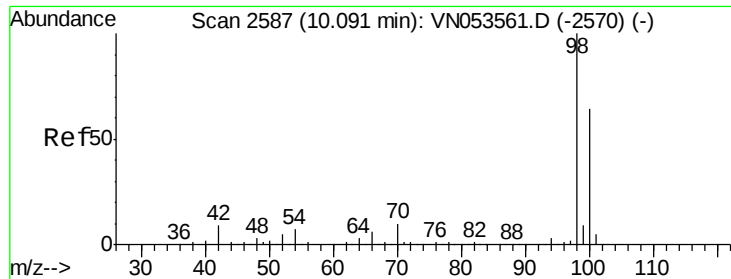
#43
Isopropyl Acetate
Concen: 2.293 ug/l
RT: 8.24 min Scan# 1012
Delta R.T. 0.08 min
Lab File: VN053770.D
Acq: 14 Feb 2019 10:59

Tgt Ion: 43 Resp: 22750
Ion Ratio Lower Upper
43 100
61 0.0 23.9 35.9#
87 0.0 11.0 16.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 50.748 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

Instrument :

MSVOA_N

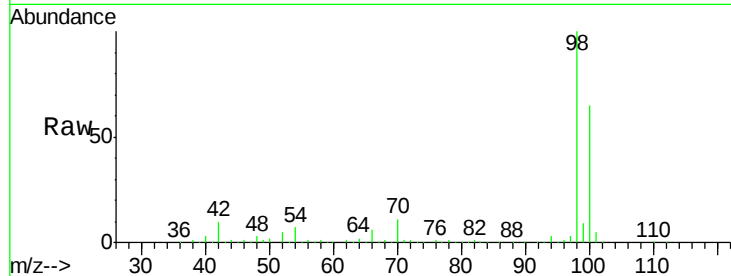
ClientSampleId :

Tot Ion: 98 Resp: 1228511

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053770.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053770.D (-2494) (-)

10.09

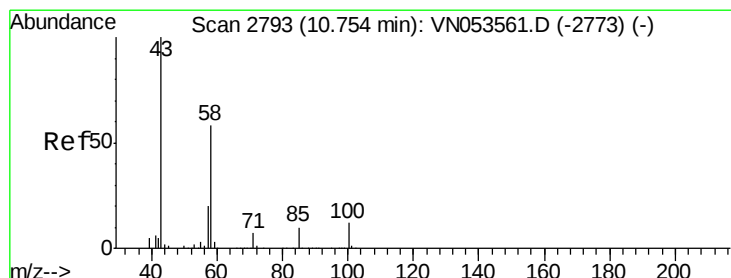
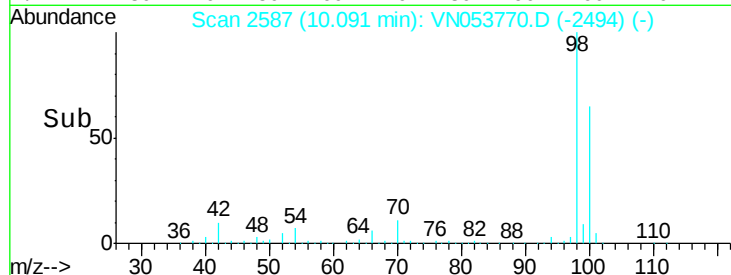
600000

400000

200000

0

Time-->



#59

2-Hexanone

Concen: 0.524 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053770.D

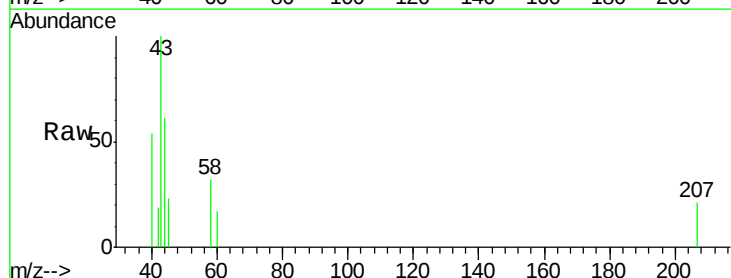
Acq: 14 Feb 2019 10:59

Tgt Ion: 43 Resp: 1733

Ion Ratio Lower Upper

43 100

58 28.0 28.6 85.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053770.D (-2700) (-)

Ion 58.00 (57.70 to 58.70): VN053770.D (-2700) (-)

10.75

1200

1000

800

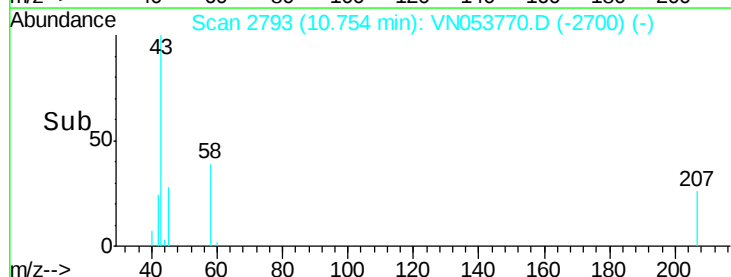
600

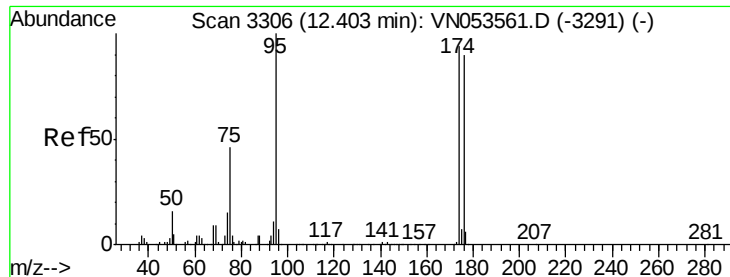
400

200

0

Time-->





#62

4-Bromofluorobenzene

Concen: 49.529 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

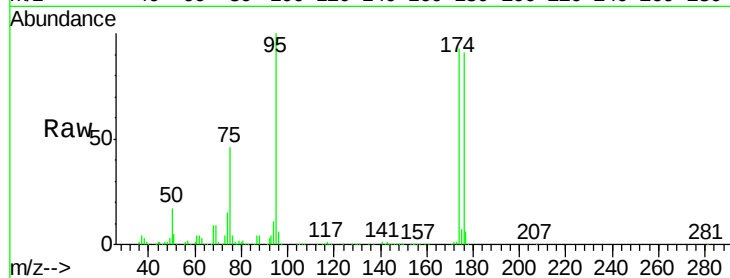
Tot Ion: 95 Resp: 399883

Ion Ratio Lower Upper

95 100

174 96.6 0.0 183.2

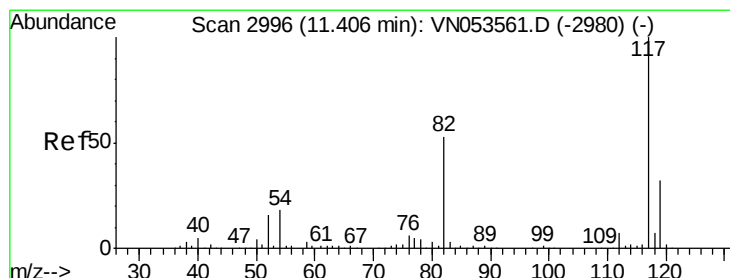
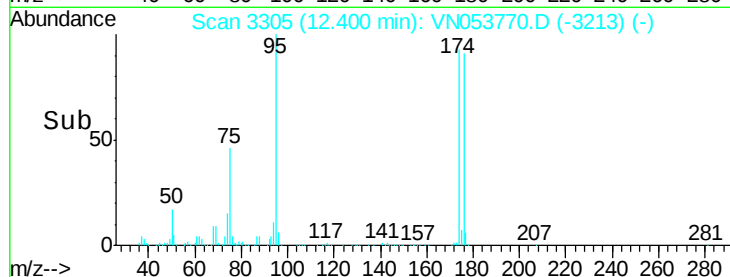
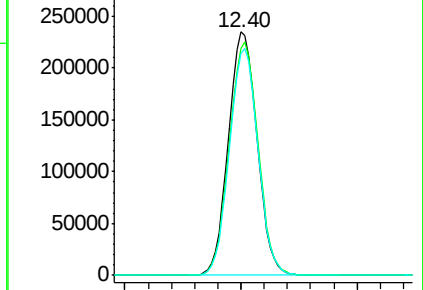
176 92.8 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

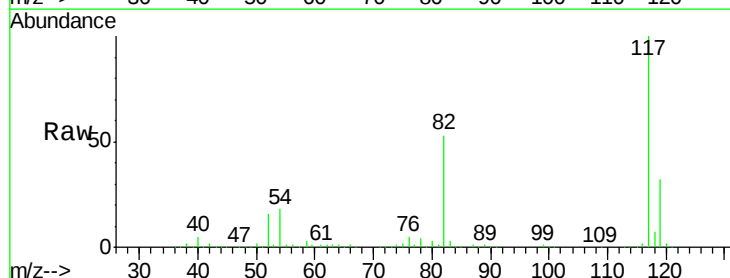
Tgt Ion: 117 Resp: 944391

Ion Ratio Lower Upper

117 100

82 52.7 42.9 64.3

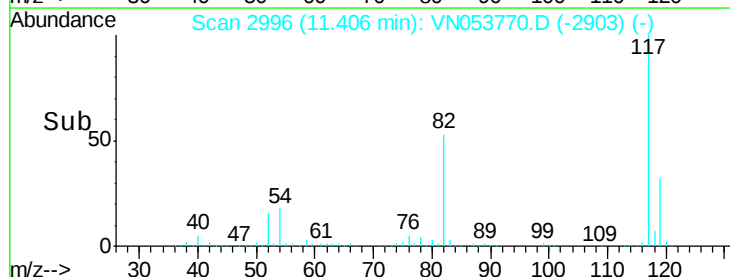
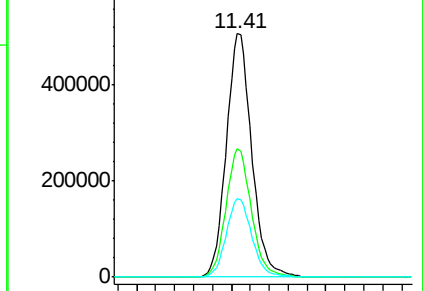
119 32.2 26.0 39.0

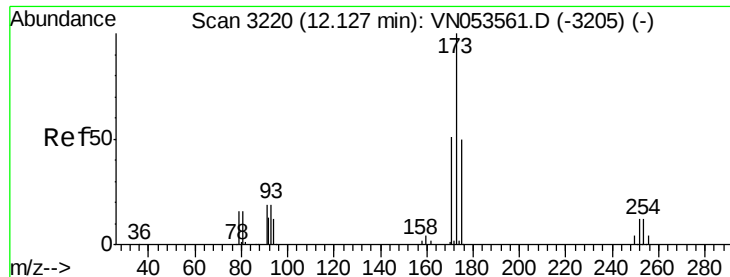


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)





#71

Bromoform

Concen: 0.578 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

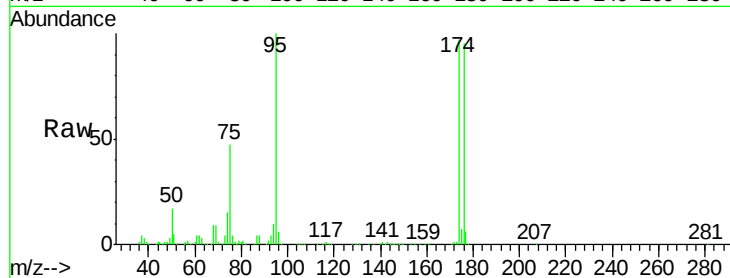
Tot Ion:173 Resp: 2777

Ion Ratio Lower Upper

173 100

175 845.9 24.6 74.0#

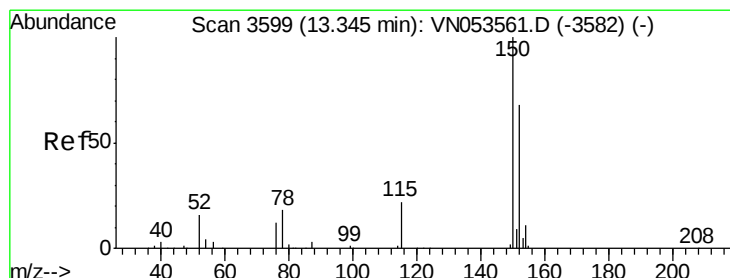
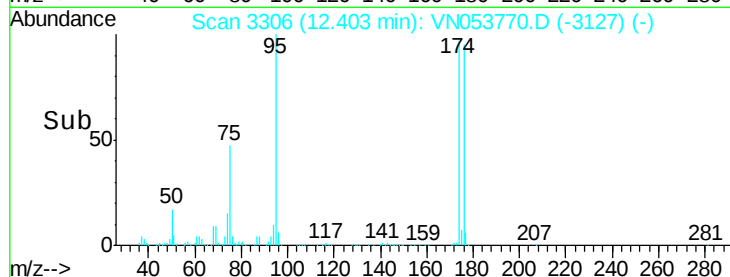
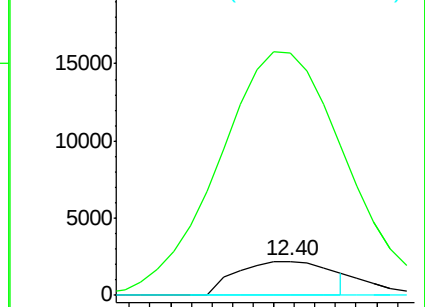
254 0.0 0.2 0.2#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

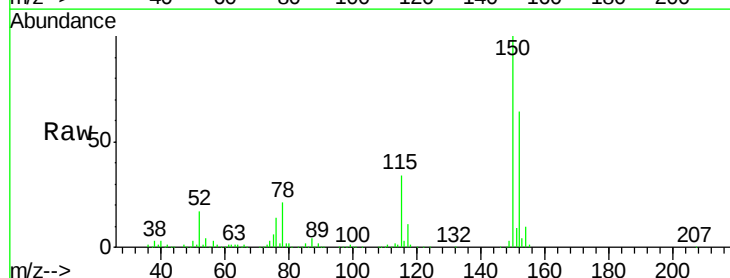
Tgt Ion:152 Resp: 363954

Ion Ratio Lower Upper

152 100

115 54.1 27.8 83.4

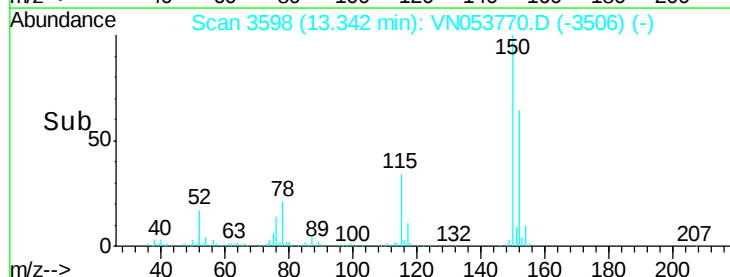
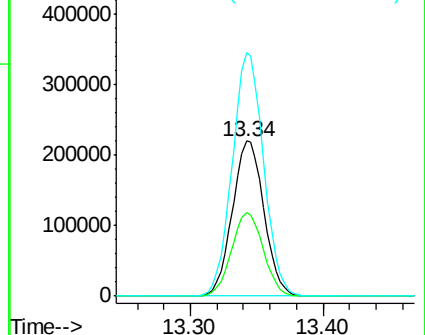
150 155.9 0.0 349.0

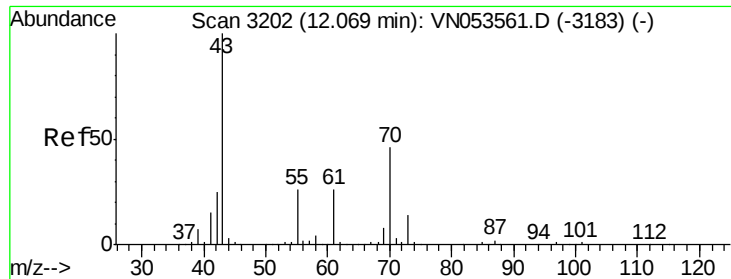


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.213 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN053770.D

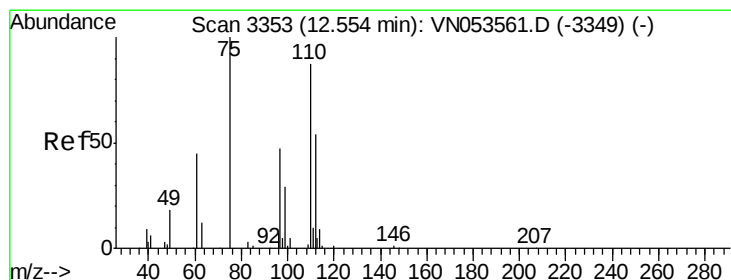
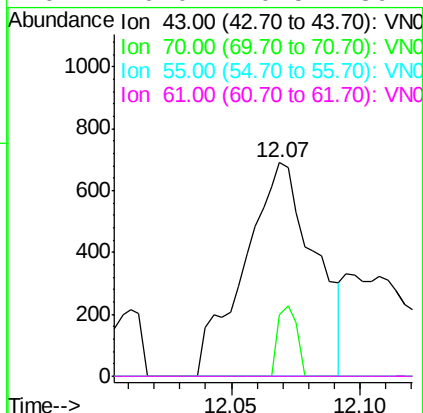
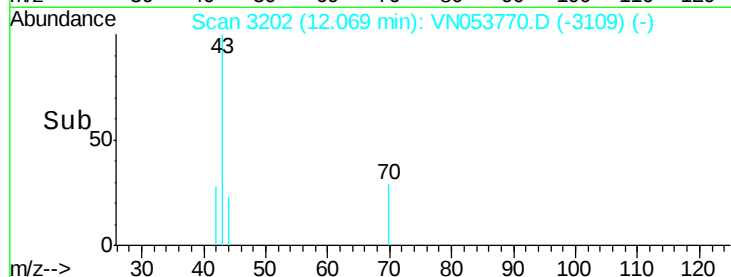
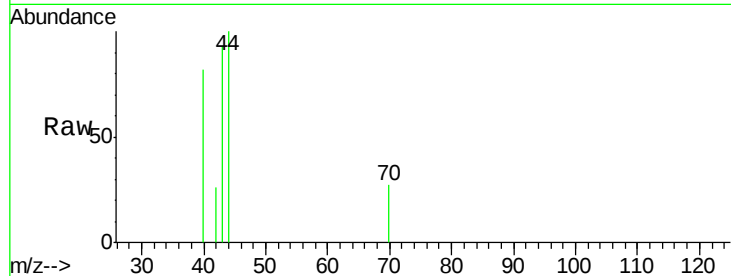
Acq: 14 Feb 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	43	Resp:	1311
Ion	Ratio	Lower	Upper
43	100		
70	8.8	35.4	53.2#
55	0.0	20.9	31.3#
61	0.0	20.5	30.7#



#76

1,2,3-Trichloropropane

Concen: 39.981 ug/l

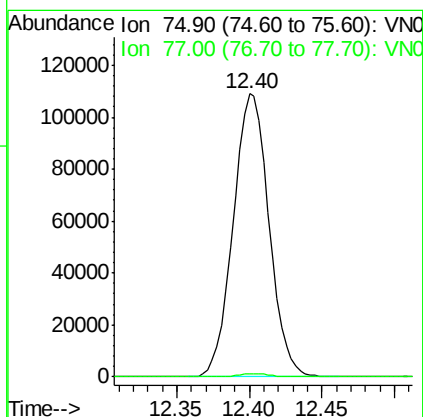
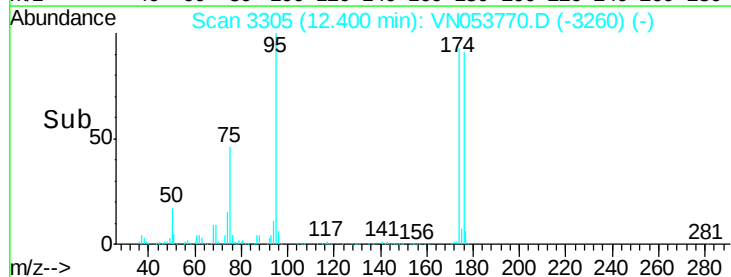
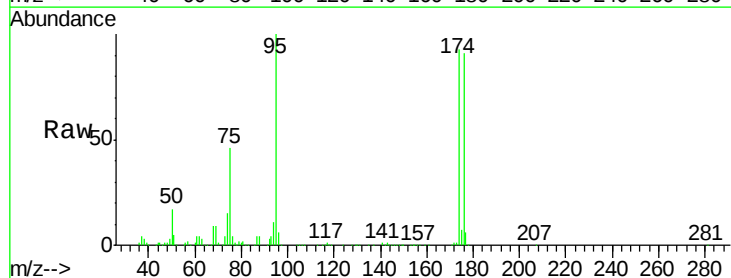
RT: 12.40 min Scan# 3305

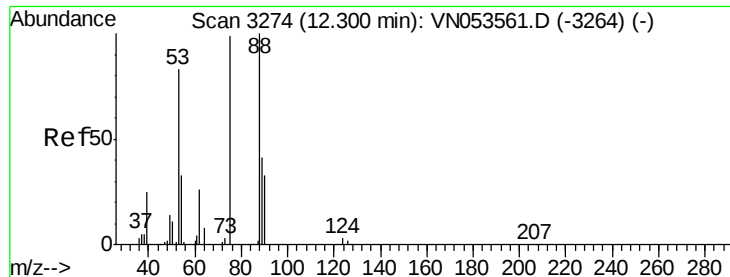
Delta R.T. -0.15 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

Tgt Ion:	75	Resp:	186900
Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 112.422 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

Instrument :

MSVOA_N

ClientSampleId :

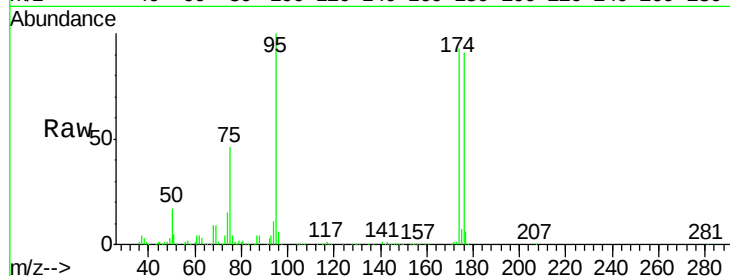
Tot Ion: 75 Resp: 186900

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

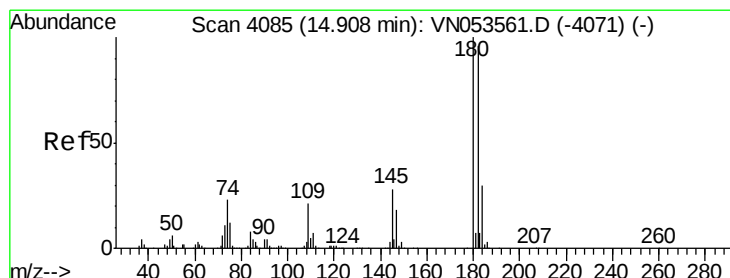
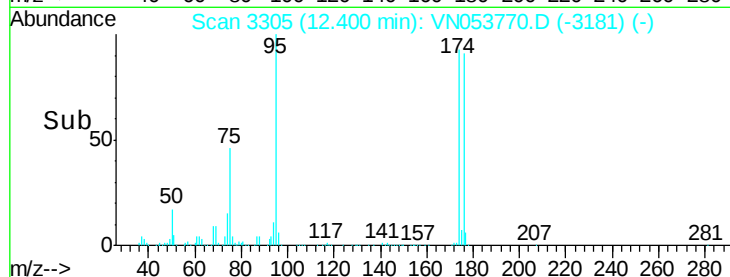
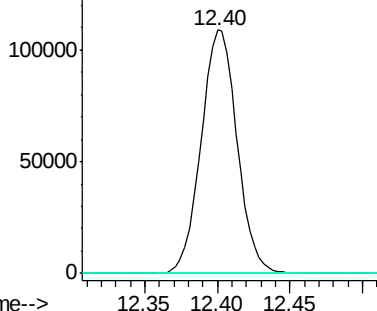
89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VN053770.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053770.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053770.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.307 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

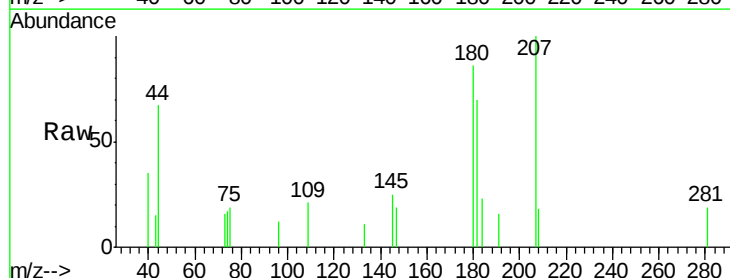
Tgt Ion:180 Resp: 2091

Ion Ratio Lower Upper

180 100

182 90.1 48.1 144.3

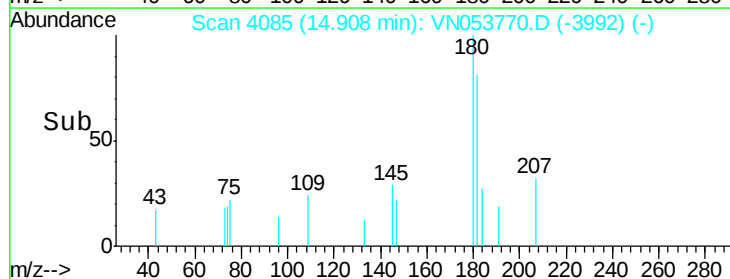
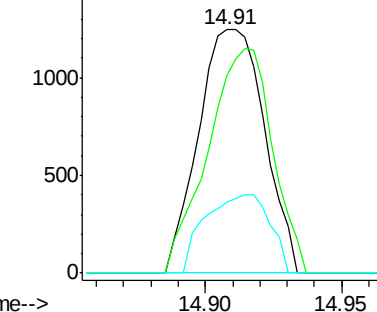
145 31.6 13.9 41.6

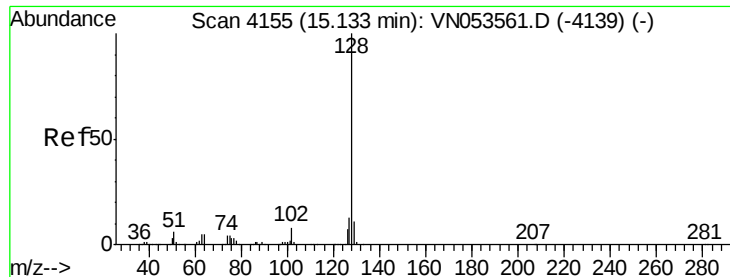


Abundance Ion 179.80 (179.50 to 180.50): VN053770.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN053770.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN053770.D (-3992) (-)





#95

Naphthalene

Concen: 2.050 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

Instrument :

MSVOA_N

ClientSampled :

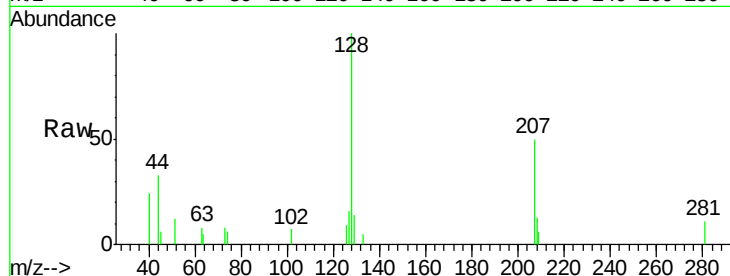
Tot Ion:128 Resp: 5202

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

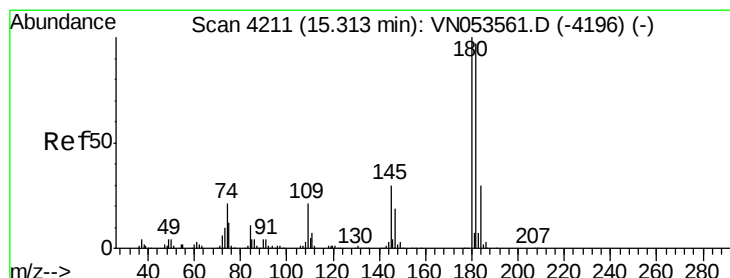
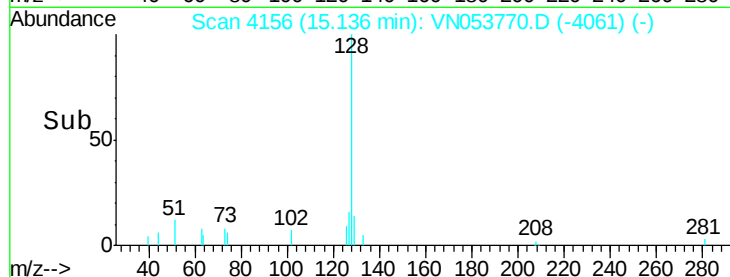
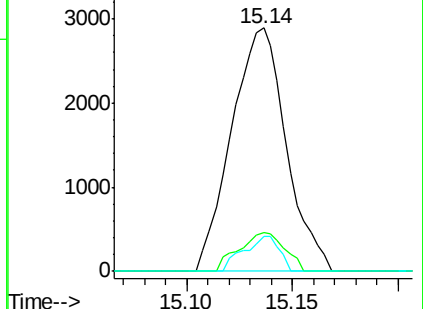
129 9.4 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.491 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053770.D

Acq: 14 Feb 2019 10:59

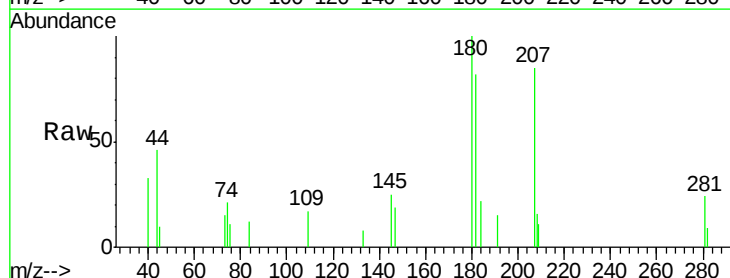
Tgt Ion:180 Resp: 3102

Ion Ratio Lower Upper

180 100

182 86.2 47.9 143.8

145 27.1 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

