

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061918\
 Data File : VN049385.D
 Acq On : 19 Jun 2018 15:11
 Operator : MD\SY
 Sample : VN0619MBL01
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 04:29:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1592355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2461672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2099933	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	673928	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	1052984	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	936877	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
50) Toluene-d8	10.09	98	3434690	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
62) 4-Bromofluorobenzene	12.40	95	932138	37.17	ug/l	0.00
Spiked Amount			Recovery	=	74.34%	

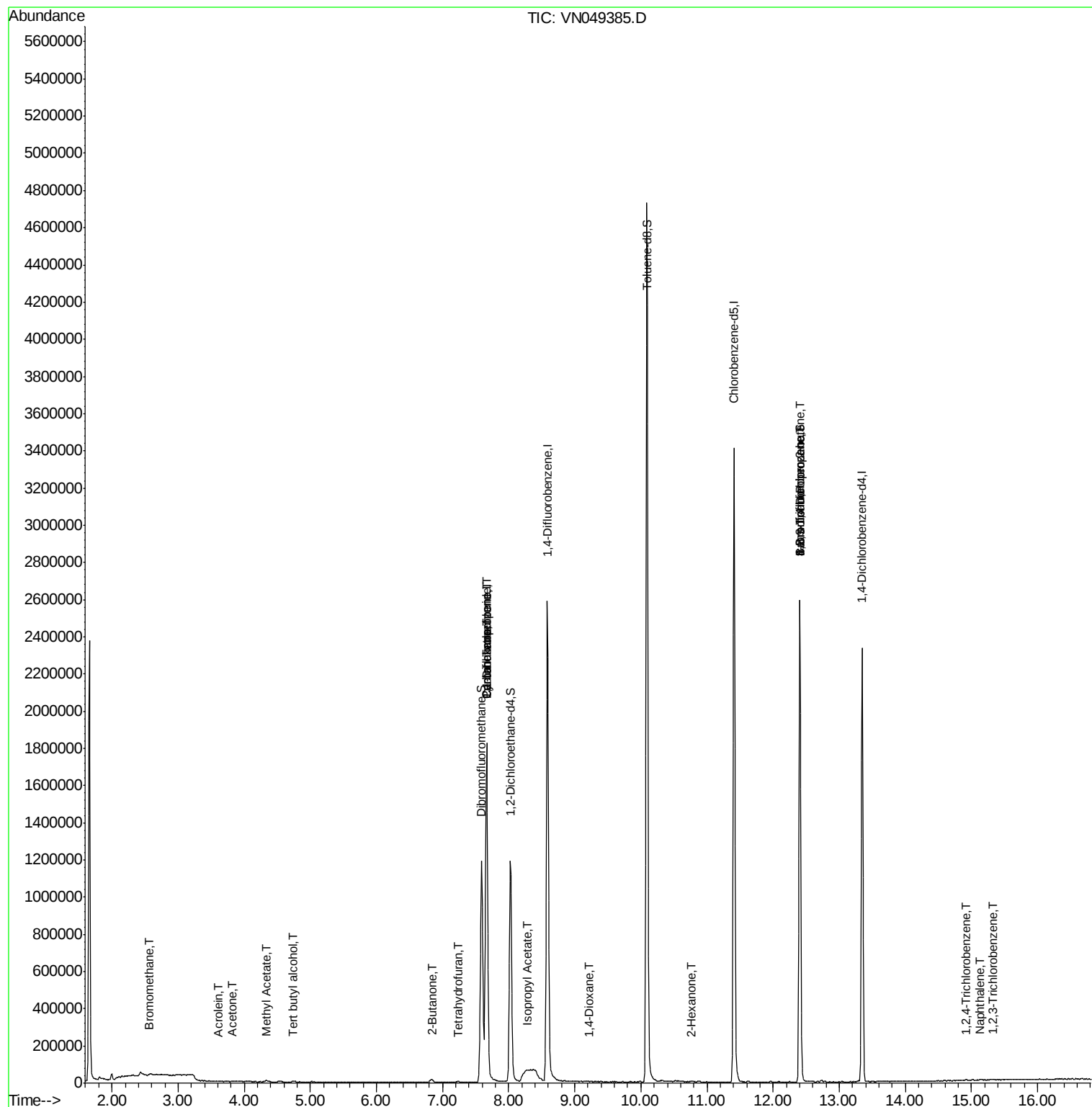
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	5087	0.38	ug/l	97
11) Tert butyl alcohol	4.75	59	1473	1.19	ug/l #	70
13) Acrolein	3.61	56	520	0.40	ug/l #	44
16) Acetone	3.82	43	2005	0.39	ug/l #	83
18) Methyl Acetate	4.34	43	17555	1.12	ug/l	98
25) 2-Butanone	6.84	43	1715	0.25	ug/l #	50
29) Tetrahydrofuran	7.23	42	2709	0.61	ug/l #	55
31) Cyclohexane	7.66	56	29484	0.77	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	110803	3.93	ug/l #	49
38) Carbon Tetrachloride	7.66	117	143515	4.91	ug/l #	17
43) Isopropyl Acetate	8.28	43	103816	3.54	ug/l #	64
49) 1,4-Dioxane	9.21	88	429	2.25	ug/l #	63
59) 2-Hexanone	10.76	43	2518	0.25	ug/l	95
71) Bromoform	12.40	173	7074	0.54	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	402	Below	Cal #	58
76) 1,2,3-Trichloropropane	12.40	75	447151	38.89	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	447151	122.90	ug/l #	8
90) Hexachloroethane	14.08	117	29	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	1478	4.86	ug/l	95
94) Hexachlorobutadiene	15.02	225	829	Below	Cal #	70
95) Naphthalene	15.14	128	3669	2.28	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	1770	3.60	ug/l	86

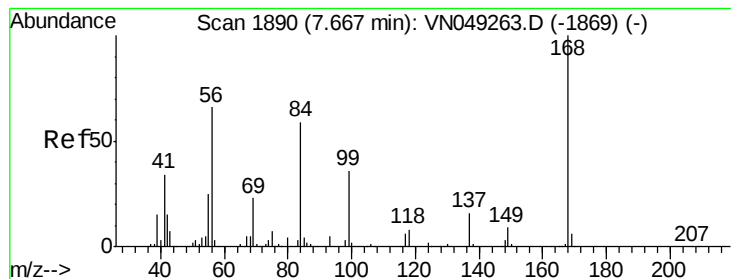
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN061918\
Data File : VN049385.D
Acq On : 19 Jun 2018 15:11
Operator : MD\SY
Sample : VN0619MBL01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jun 20 04:29:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

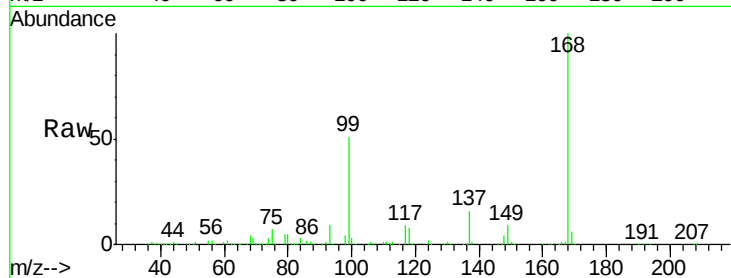
ClientSampled :

Tot Ion:168 Resp: 1592355

Ion Ratio Lower Upper

168 100

99 50.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049263.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049263.D (-1869) (-)

7.67

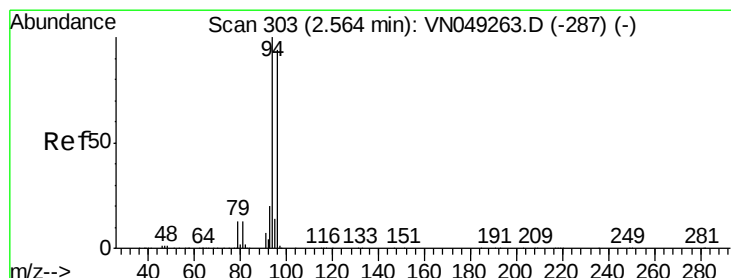
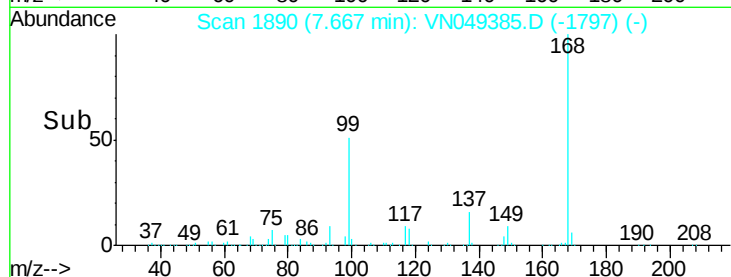
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 0.38 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049385.D

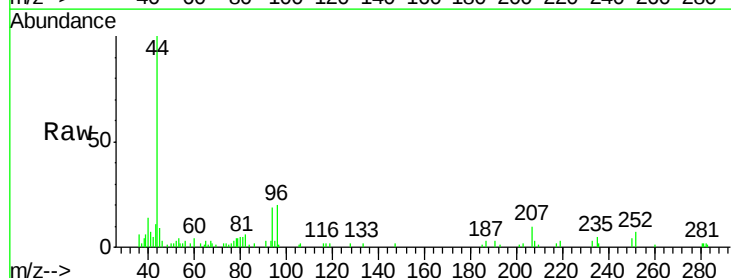
Acq: 19 Jun 2018 15:11

Tgt Ion: 94 Resp: 5087

Ion Ratio Lower Upper

94 100

96 93.7 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049263.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049263.D (-287) (-)

2.58

3000

2500

2000

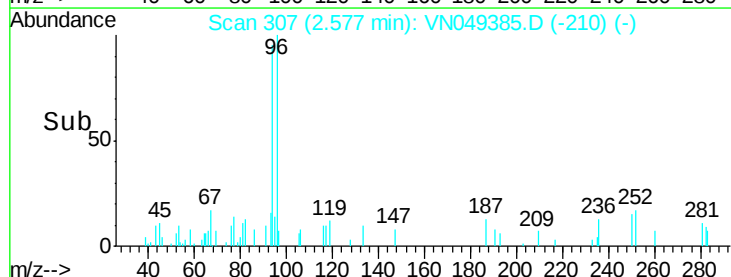
1500

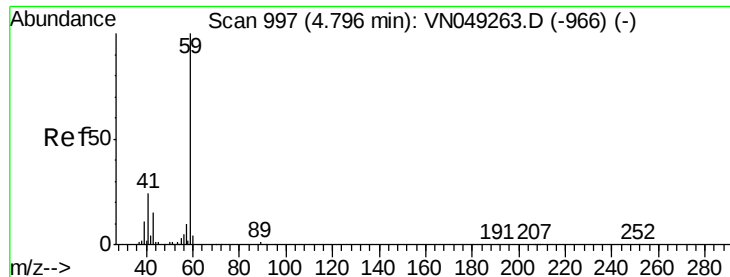
1000

500

0

Time-->



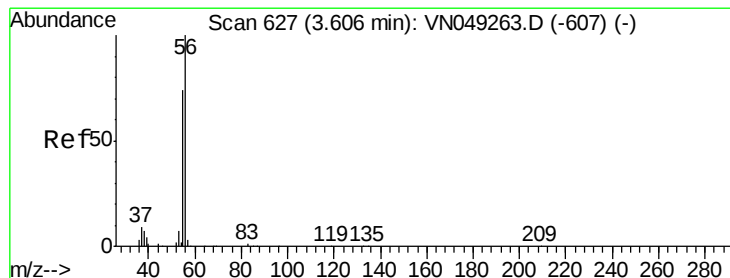
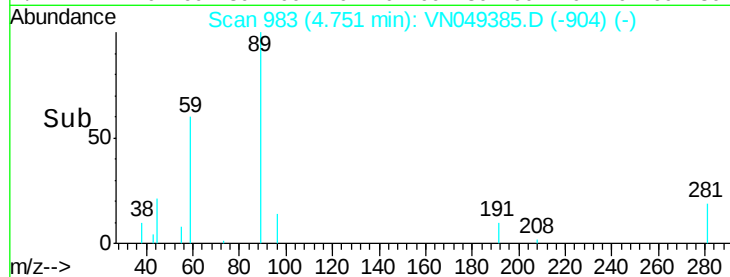
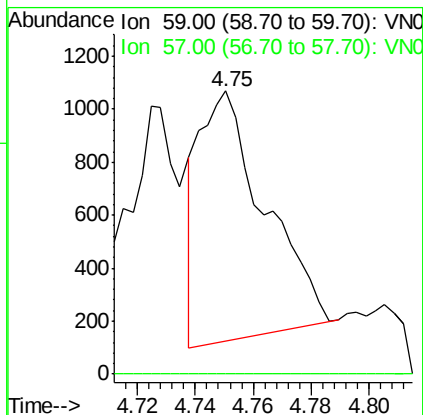
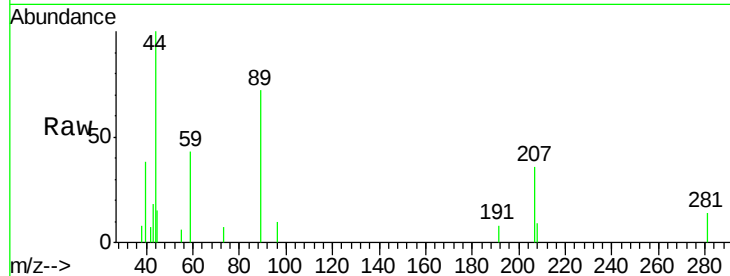


#11

Tert butyl alcohol
 Concen: 1.19 ug/l
 RT: 4.75 min Scan# 983
 Delta R.T. -0.04 min
 Lab File: VN049385.D
 Acq: 19 Jun 2018 15:11

Instrument :
 MSVOA_N
 ClientSampled :

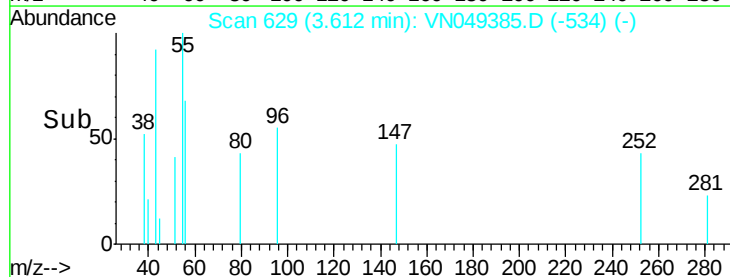
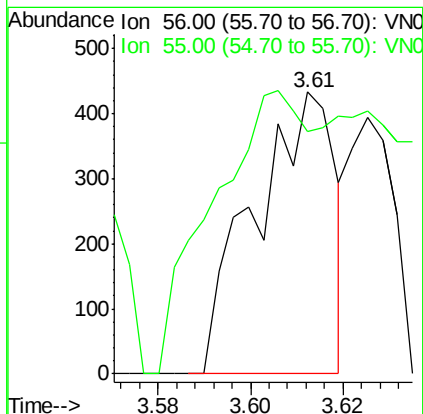
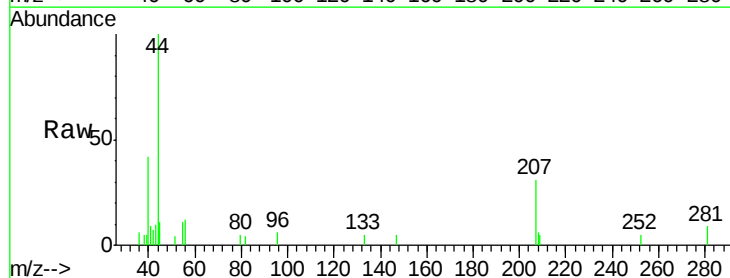
Tot Ion: 59 Resp: 1473
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

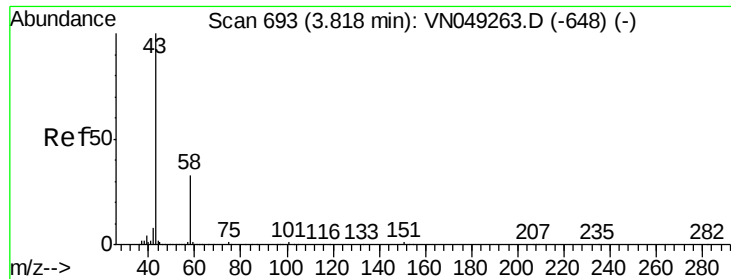


#13

Acrolein
 Concen: 0.40 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VN049385.D
 Acq: 19 Jun 2018 15:11

Tgt Ion: 56 Resp: 520
 Ion Ratio Lower Upper
 56 100
 55 117.7 57.1 85.7#

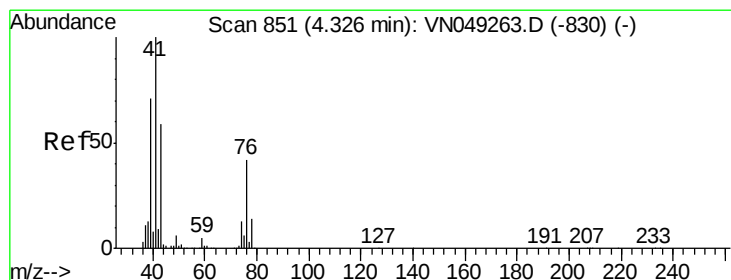
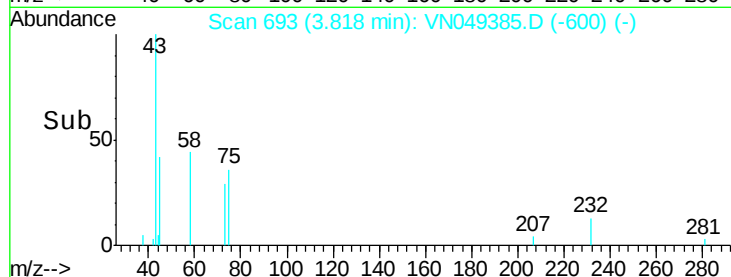
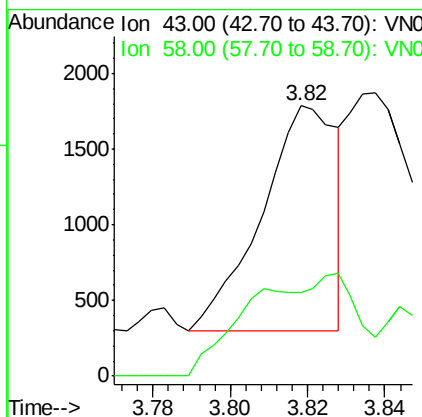
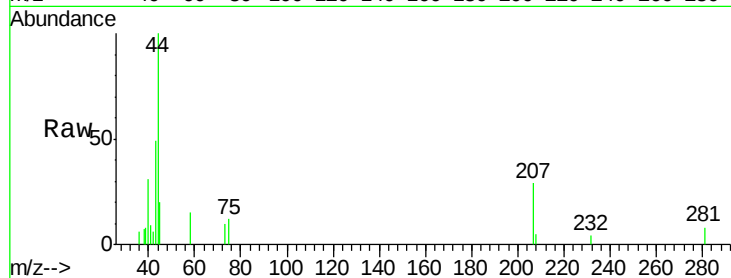




#16
Acetone
Concen: 0.39 ug/l
RT: 3.82 min Scan# 693
Delta R.T. 0.00 min
Lab File: VN049385.D
Acq: 19 Jun 2018 15:11

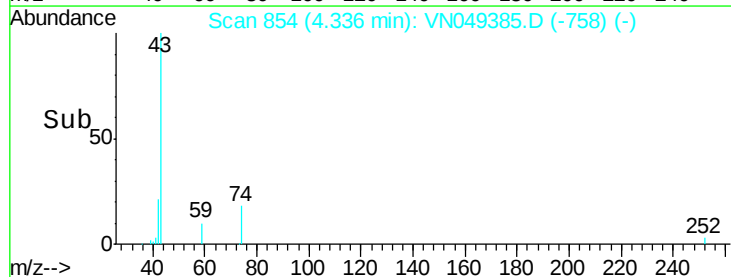
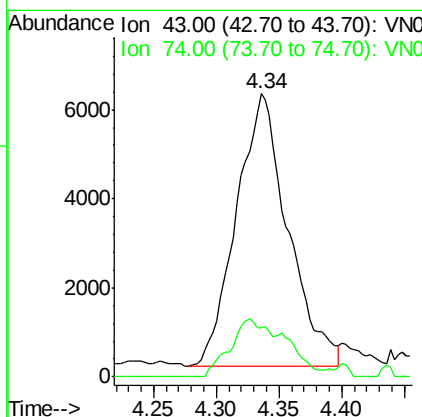
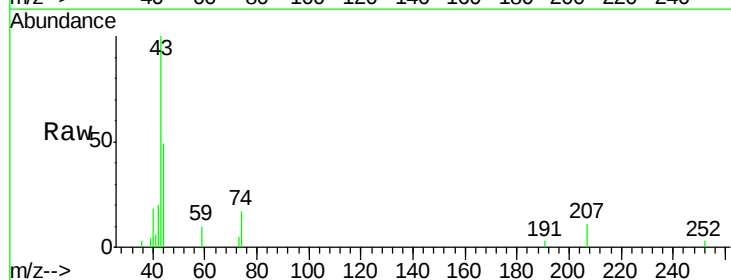
Instrument :
MSVOA_N
ClientSampled :

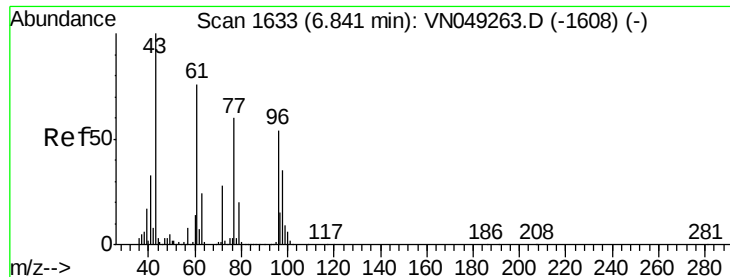
Tot Ion: 43 Resp: 2005
Ion Ratio Lower Upper
43 100
58 37.2 22.4 33.6#



#18
Methyl Acetate
Concen: 1.12 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049385.D
Acq: 19 Jun 2018 15:11

Tgt Ion: 43 Resp: 17555
Ion Ratio Lower Upper
43 100
74 22.7 17.4 26.0





#25

2-Butanone

Concen: 0.25 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

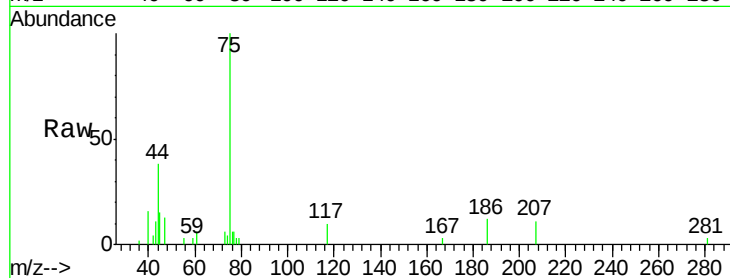
ClientSampled :

Tot Ion: 43 Resp: 1715

Ion Ratio Lower Upper

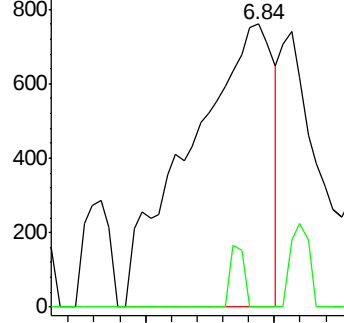
43 100

72 0.0 20.2 30.2#

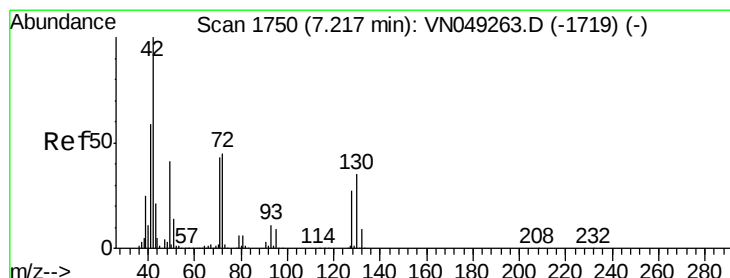
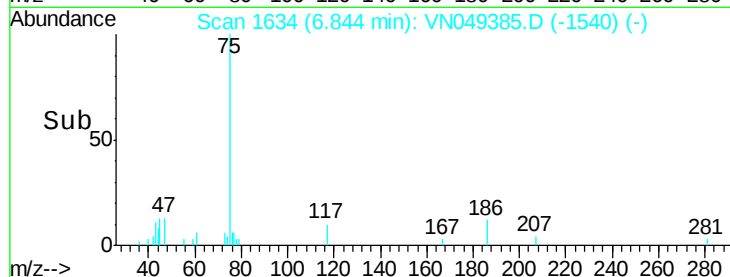


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 7.23 min Scan# 1755

Delta R.T. 0.02 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

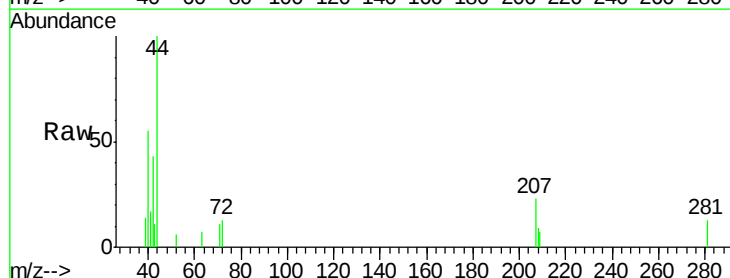
Tgt Ion: 42 Resp: 2709

Ion Ratio Lower Upper

42 100

72 22.4 32.2 48.4#

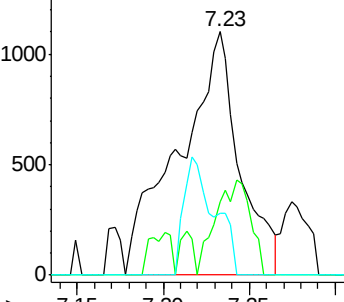
71 0.0 30.5 45.7#



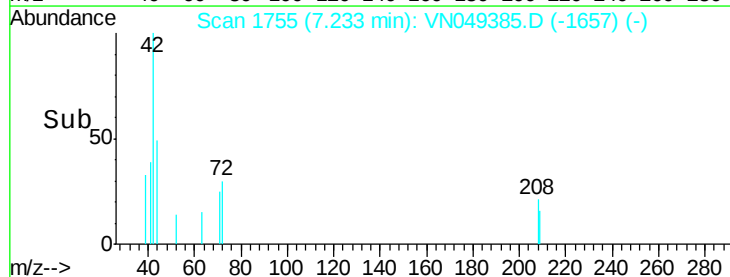
Abundance Ion 42.00 (41.70 to 42.70): VN0

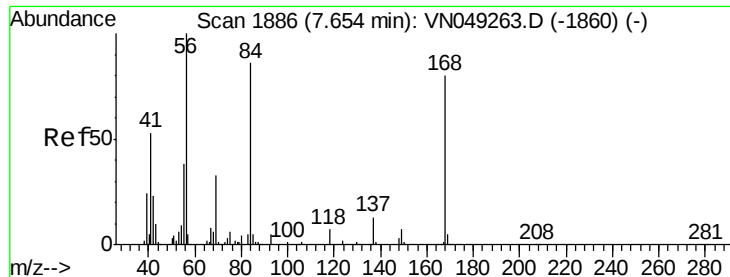
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time-->

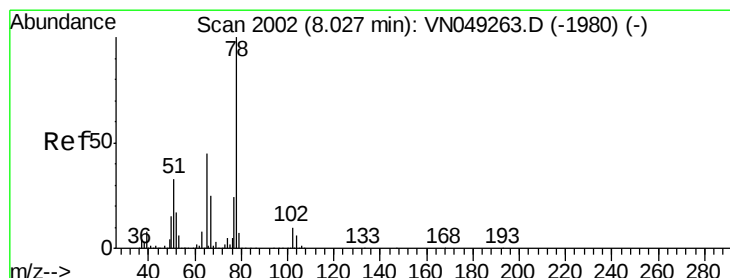
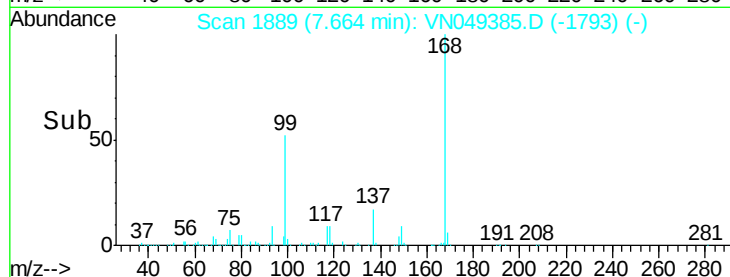
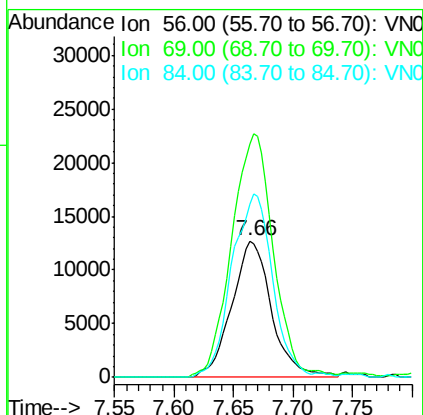
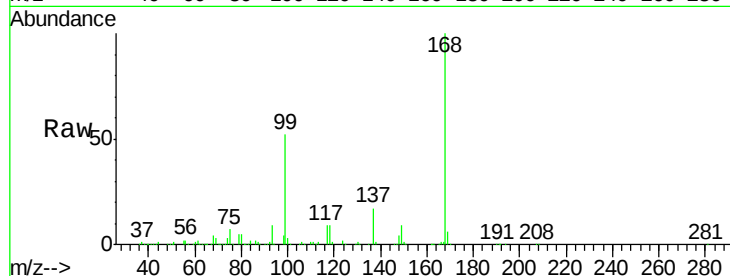




#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049385.D
Acq: 19 Jun 2018 15:11

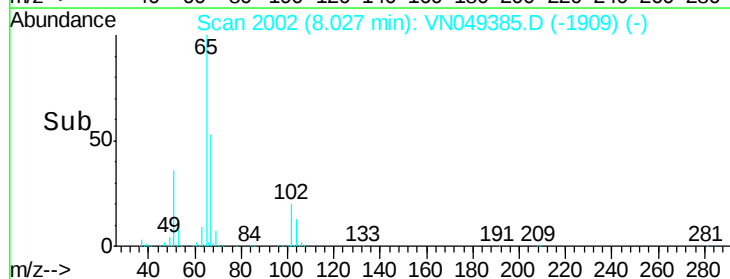
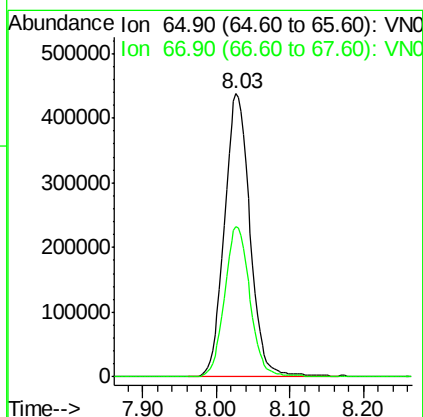
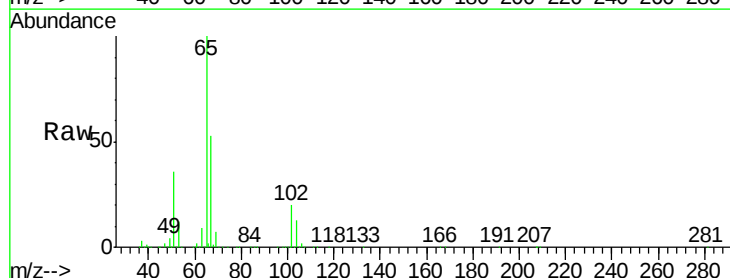
Instrument :
MSVOA_N
ClientSampleId :

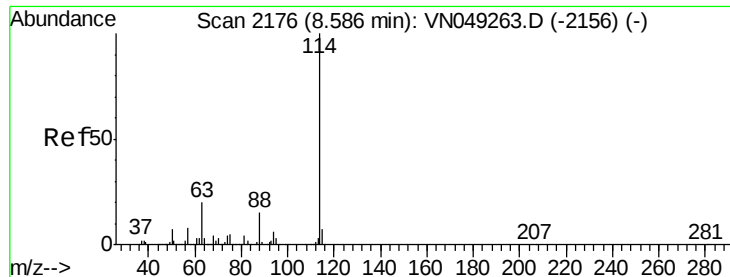
Tot Ion: 56 Resp: 29484
Ion Ratio Lower Upper
56 100
69 170.9 25.0 37.4#
84 127.0 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 49.86 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049385.D
Acq: 19 Jun 2018 15:11

Tgt Ion: 65 Resp: 1052984
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.8

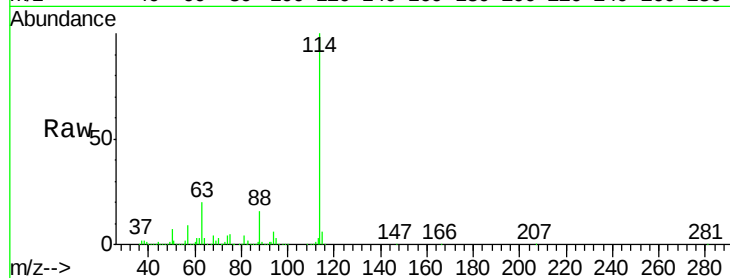




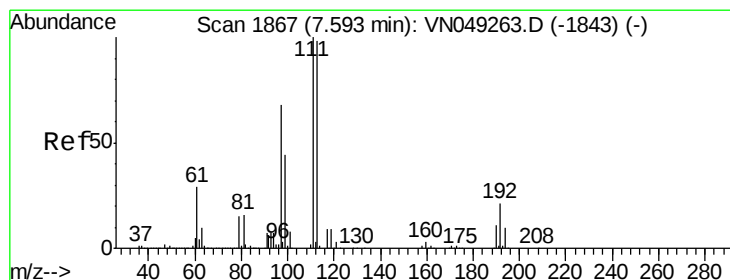
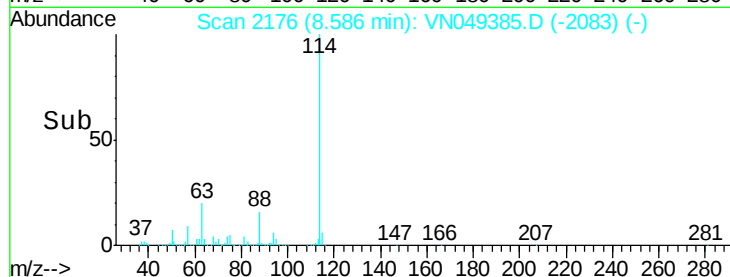
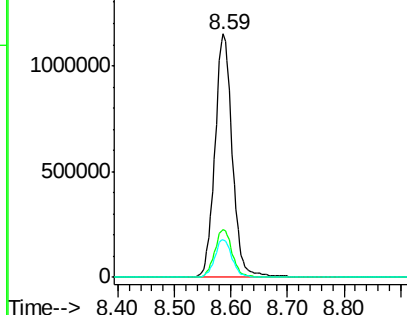
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049385.D
 Acq: 19 Jun 2018 15:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2461672
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 44.4
 88 15.7 0.0 31.4

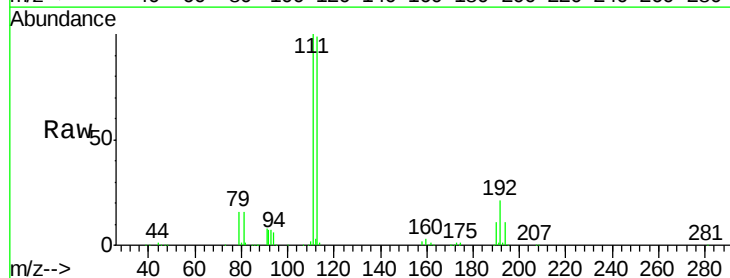


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

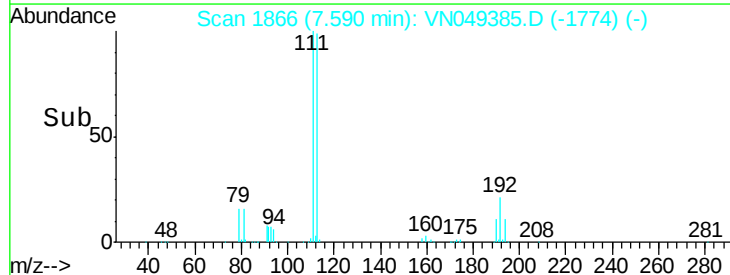
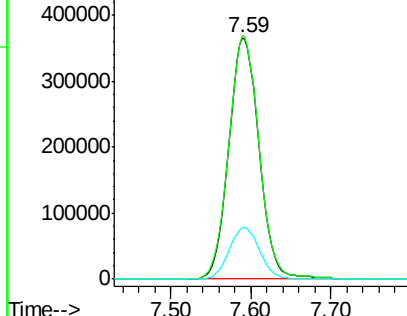


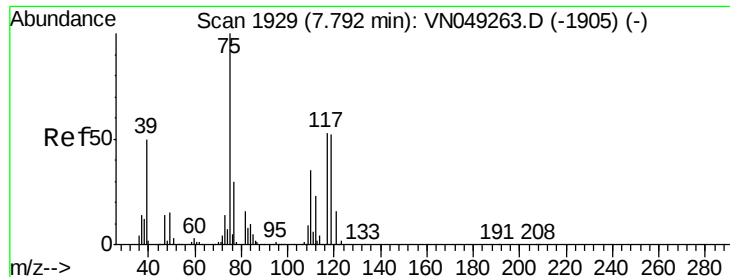
#35
 Dibromofluoromethane
 Concen: 47.04 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049385.D
 Acq: 19 Jun 2018 15:11

Tgt Ion:113 Resp: 936877
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.4 123.6
 192 21.7 15.0 22.6



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: 3.93 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :
MSVOA_N
ClientSampleId :

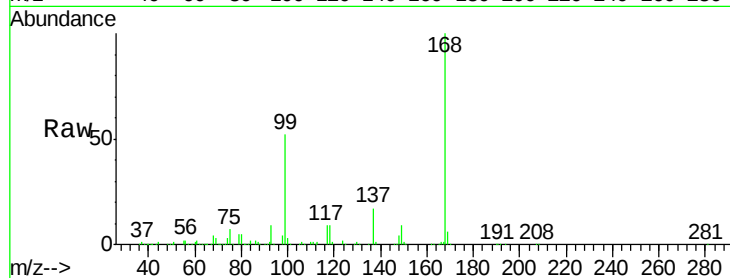
Tot Ion: 75 Resp: 110803

Ion Ratio Lower Upper

75 100

110 7.1 17.0 50.9#

77 0.0 24.4 36.6#

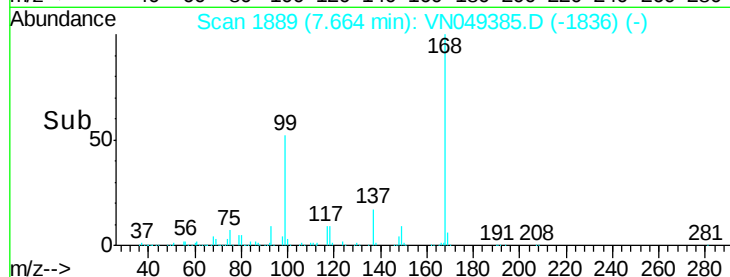


Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-1905) (-)

Ion 109.90 (109.60 to 110.60): VN049263.D (-1905) (-)

Ion 76.90 (76.60 to 77.60): VN049263.D (-1905) (-)

Time-->

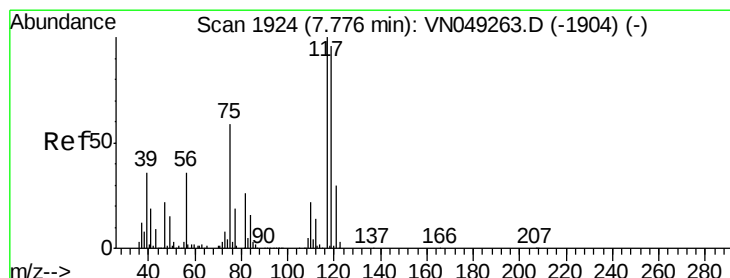


Abundance Ion 74.90 (74.60 to 75.60): VN049385.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049385.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049385.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.91 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

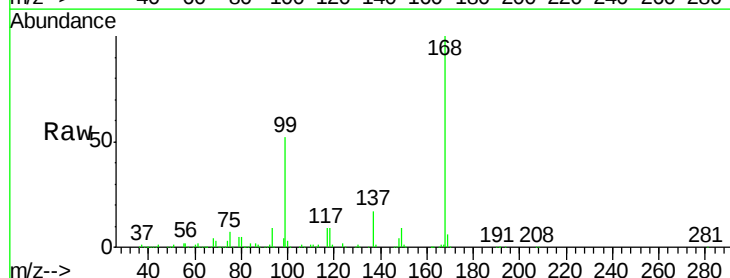
Tgt Ion: 117 Resp: 143515

Ion Ratio Lower Upper

117 100

119 5.6 75.6 113.4#

121 0.0 24.7 37.1#

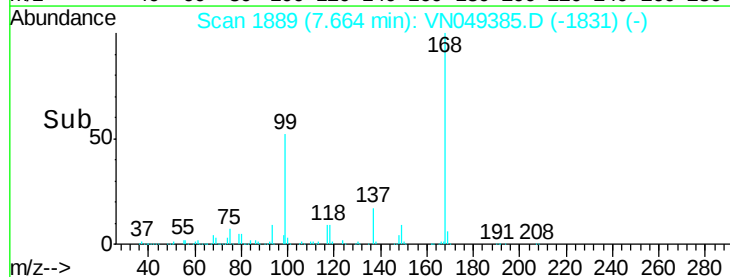


Abundance Ion 116.80 (116.50 to 117.50): VN049263.D (-1904) (-)

Ion 118.80 (118.50 to 119.50): VN049263.D (-1904) (-)

Ion 120.80 (120.50 to 121.50): VN049263.D (-1904) (-)

Time-->

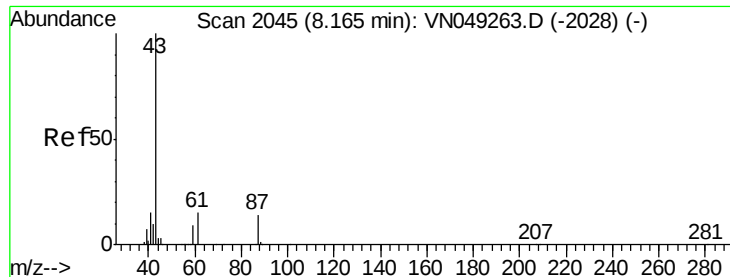


Abundance Ion 116.80 (116.50 to 117.50): VN049385.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049385.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049385.D (-1831) (-)

Time-->



#43

Isopropyl Acetate

Concen: 3.54 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

ClientSampled :

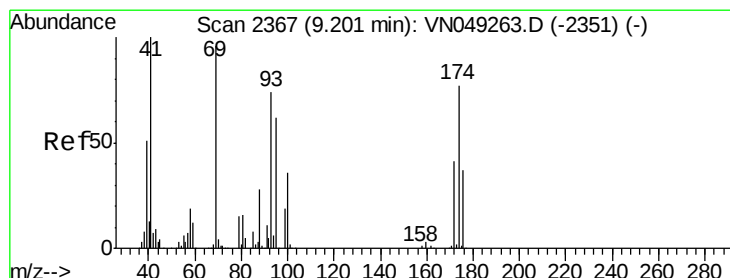
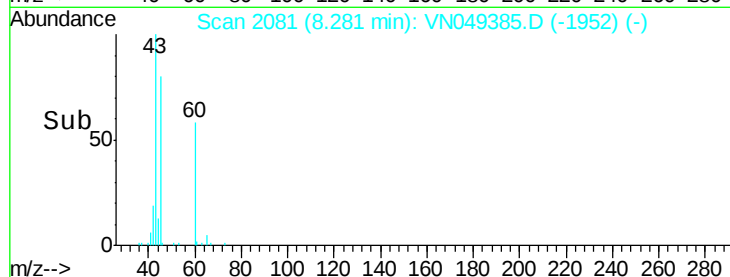
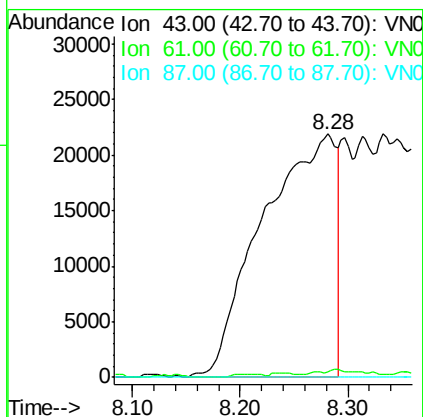
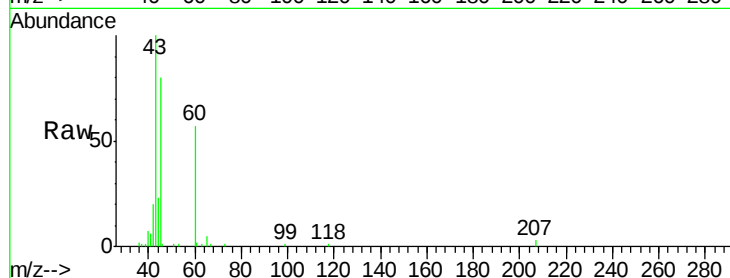
Tot Ion: 43 Resp: 103816

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#49

1,4-Dioxane

Concen: 2.25 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.01 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

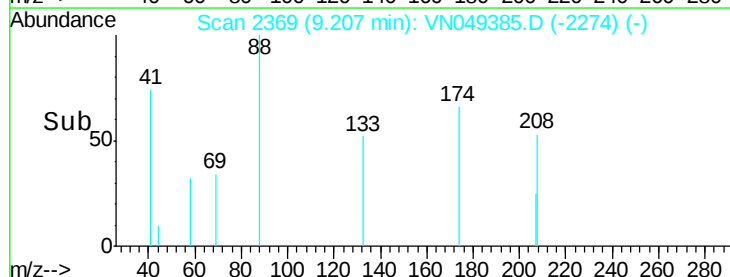
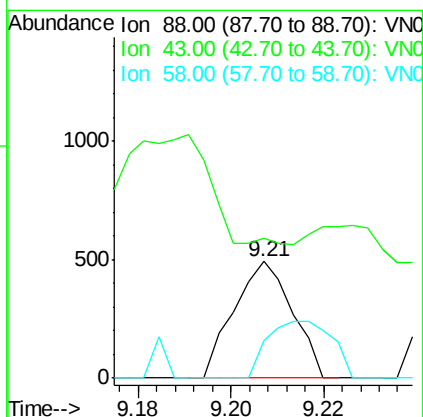
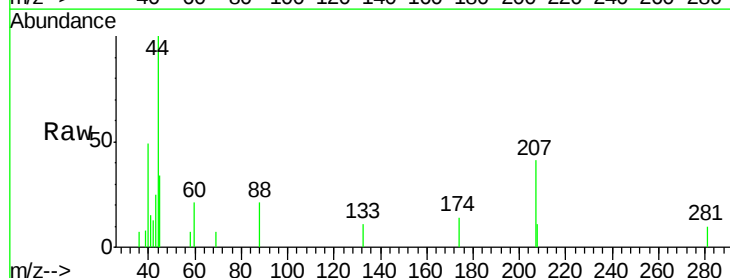
Tgt Ion: 88 Resp: 429

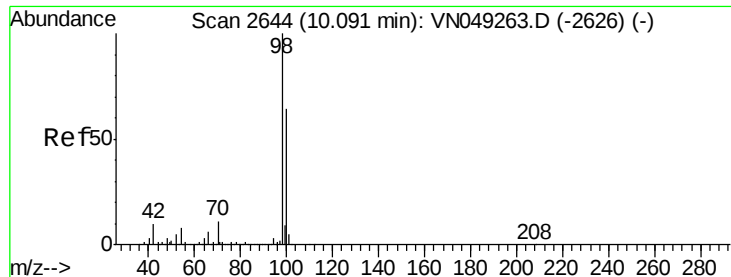
Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 54.1 58.9 88.3#

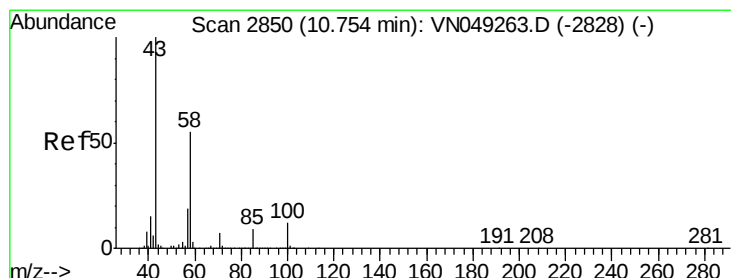
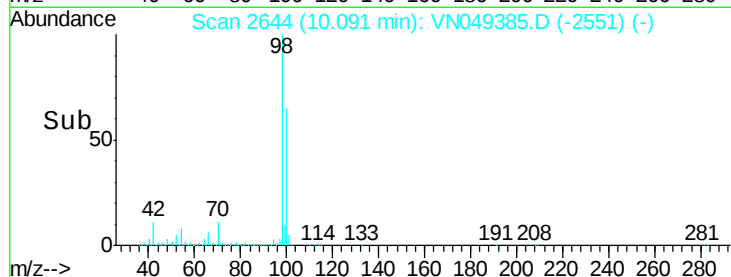
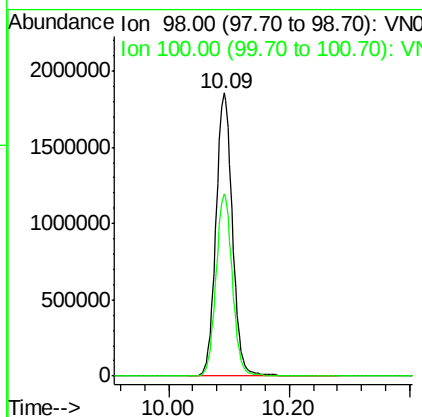
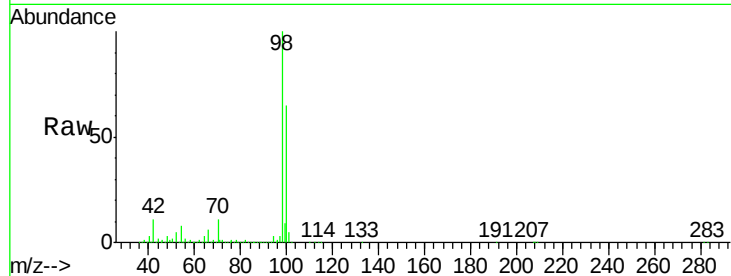




#50
Toluene-d8
Concen: 45.29 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049385.D
Acq: 19 Jun 2018 15:11

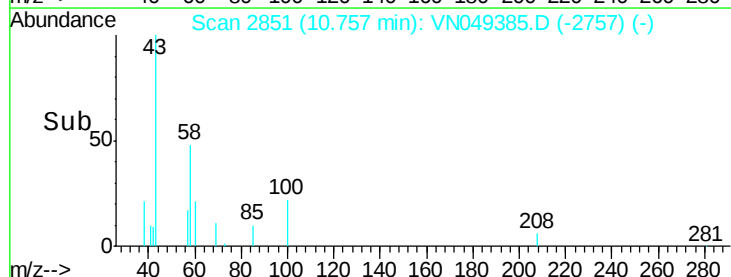
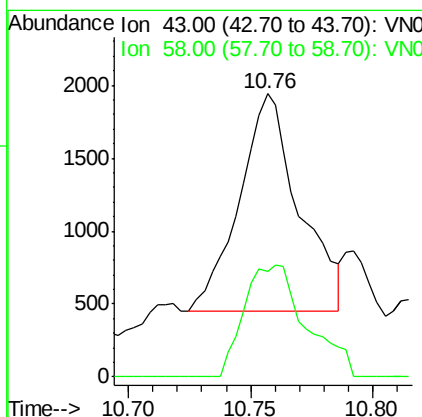
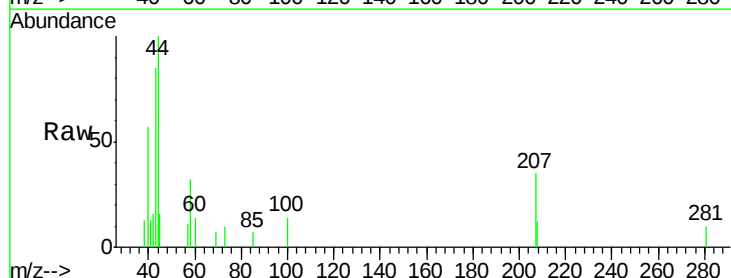
Instrument :
MSVOA_N
ClientSampled :

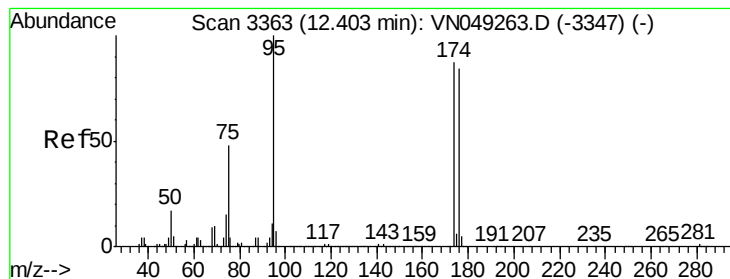
Tot Ion: 98 Resp: 3434690
Ion Ratio Lower Upper
98 100
100 63.8 49.8 74.8



#59
2-Hexanone
Concen: 0.25 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049385.D
Acq: 19 Jun 2018 15:11

Tgt Ion: 43 Resp: 2518
Ion Ratio Lower Upper
43 100
58 53.7 25.2 75.6





#62

4-Bromofluorobenzene

Concen: 37.17 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

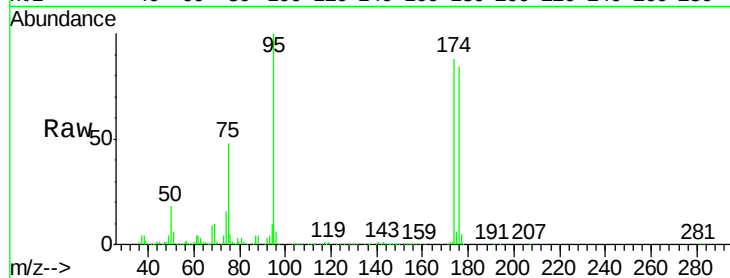
Tot Ion: 95 Resp: 932138

Ion Ratio Lower Upper

95 100

174 88.7 0.0 165.6

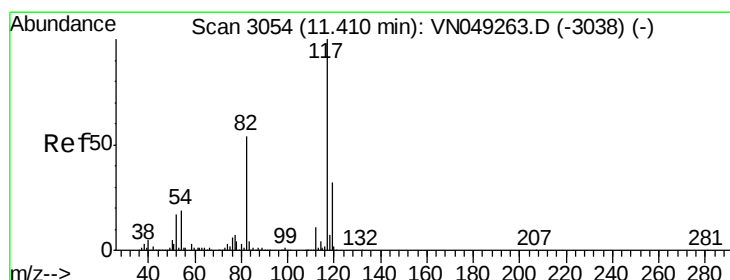
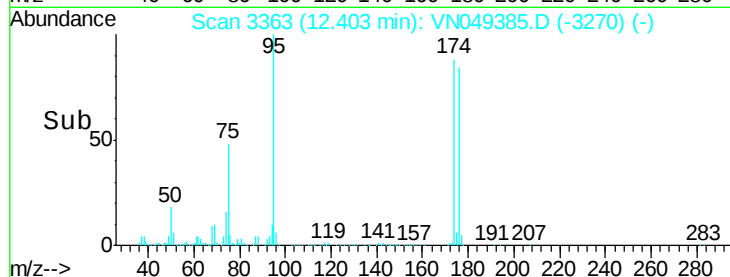
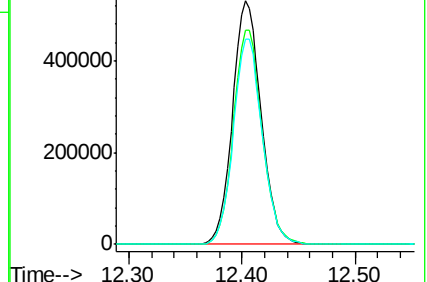
176 85.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

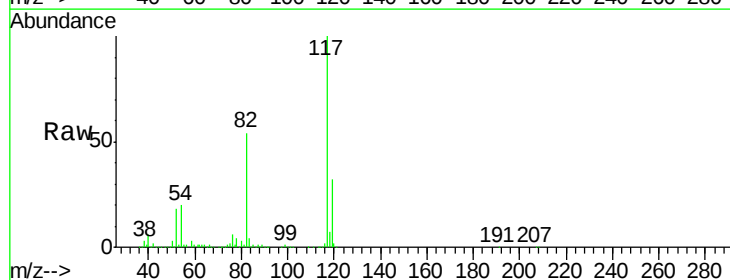
Tgt Ion: 117 Resp: 2099933

Ion Ratio Lower Upper

117 100

82 53.8 45.9 68.9

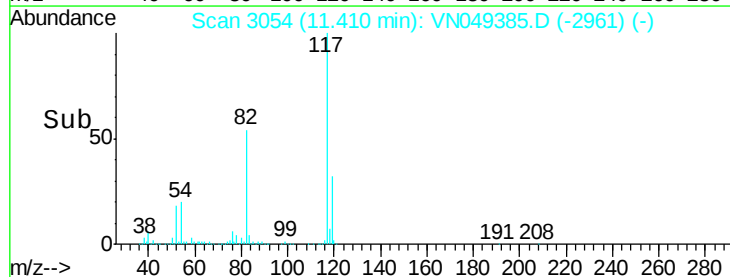
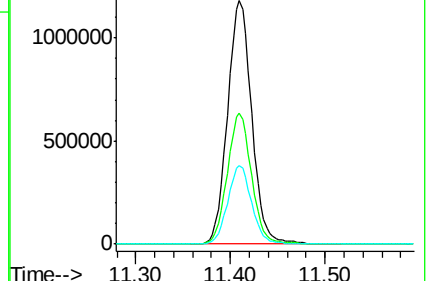
119 32.4 25.5 38.3

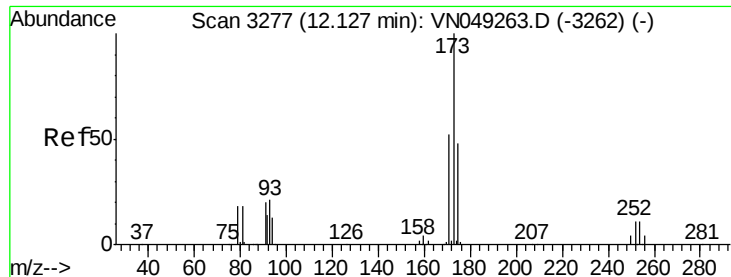


Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049263.D (-3038) (-)





#71

Bromoform

Concen: 0.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

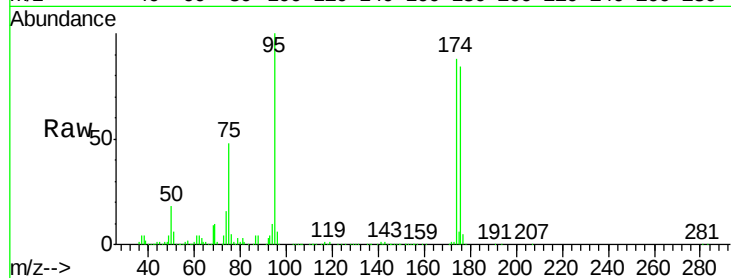
Tot Ion:173 Resp: 7074

Ion Ratio Lower Upper

173 100

175 651.2 24.5 73.5#

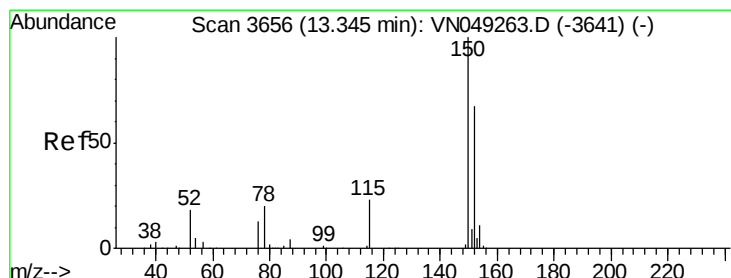
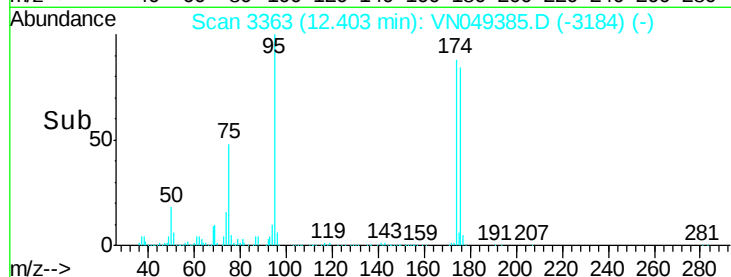
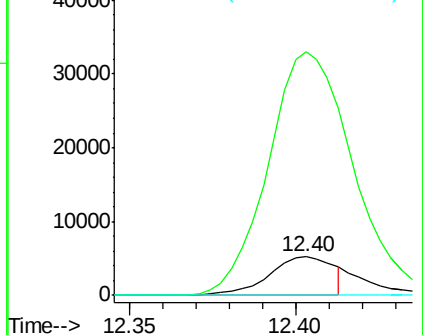
254 0.0 0.1 0.1#



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: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

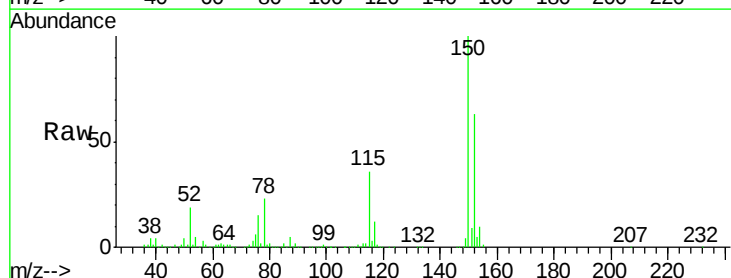
Tgt Ion:152 Resp: 673928

Ion Ratio Lower Upper

152 100

115 57.0 28.7 86.1

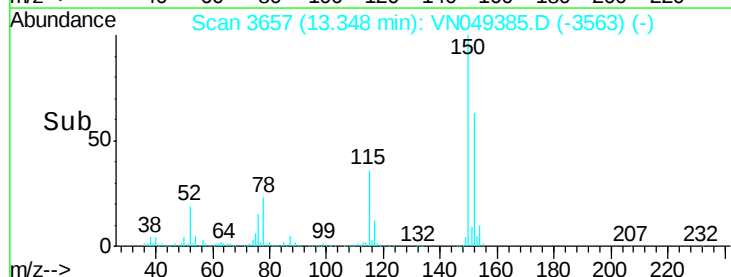
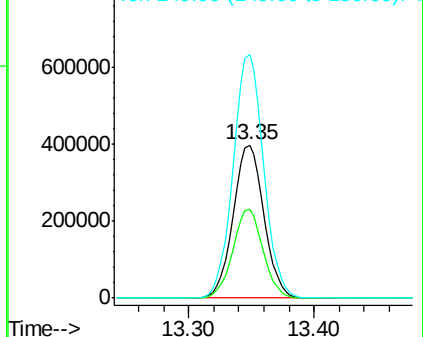
150 157.9 0.0 351.0

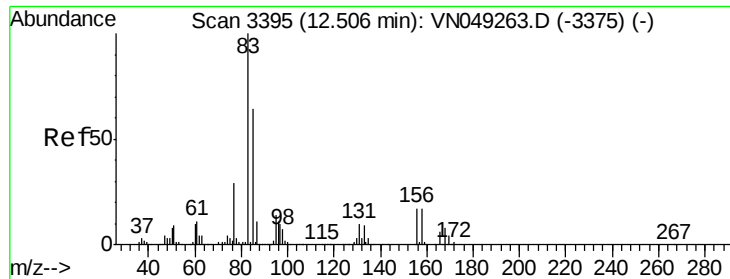


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3393

Delta R.T. -0.01 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

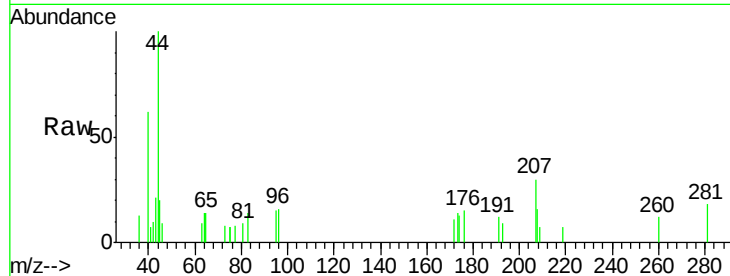
Tot Ion: 83 Resp: 402

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

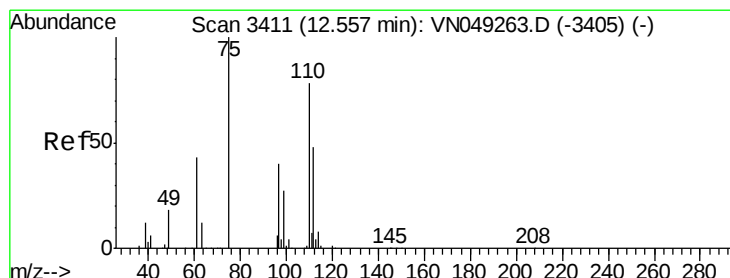
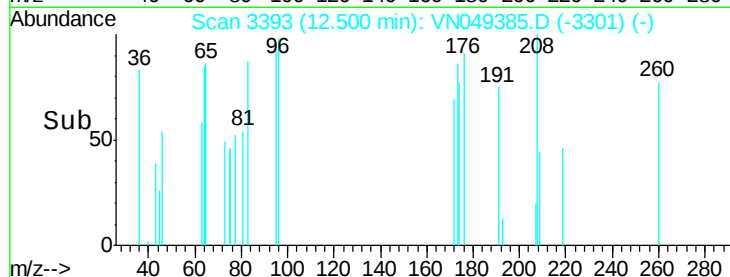
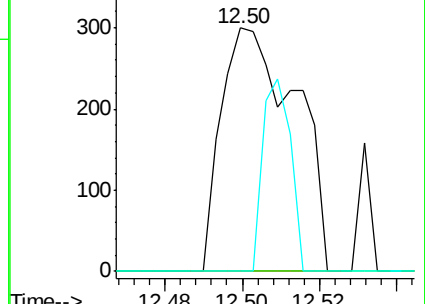
85 29.6 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 38.89 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049385.D

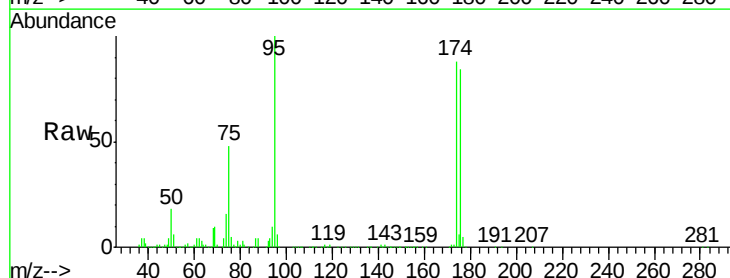
Acq: 19 Jun 2018 15:11

Tgt Ion: 75 Resp: 447151

Ion Ratio Lower Upper

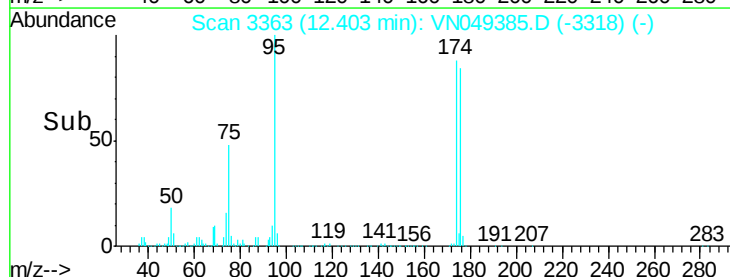
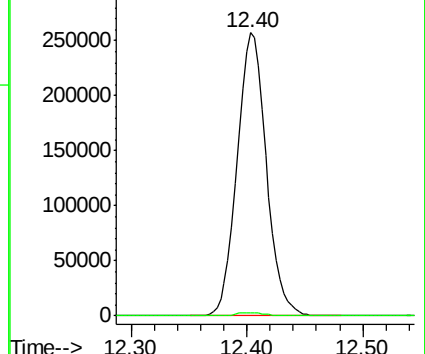
75 100

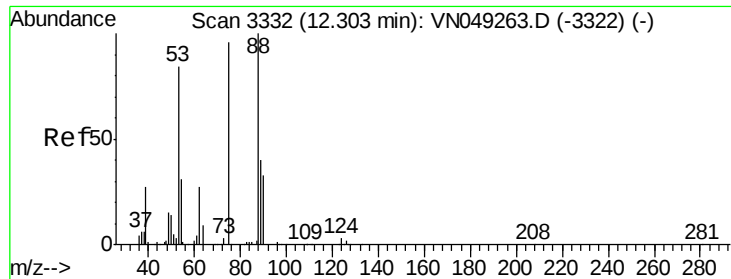
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 122.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

ClientSampleId :

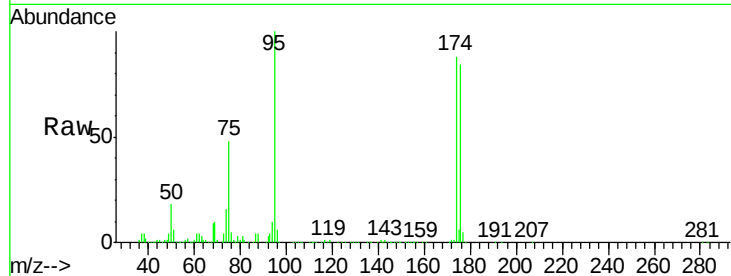
Tot Ion: 75 Resp: 447151

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

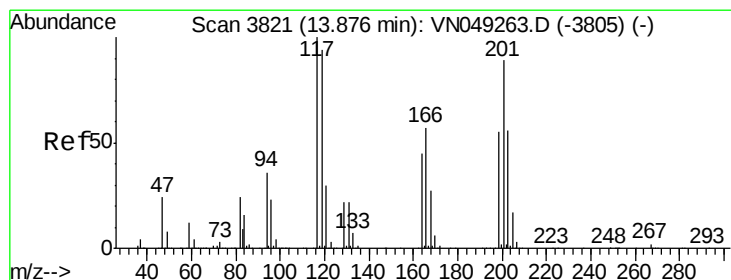
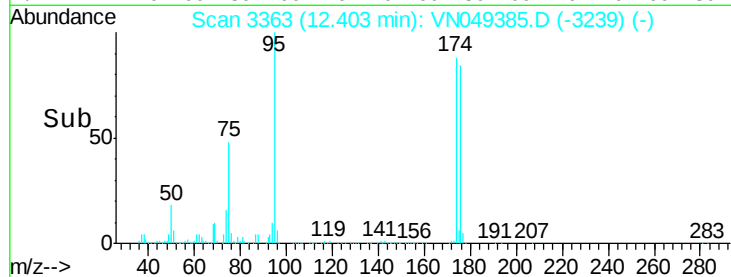
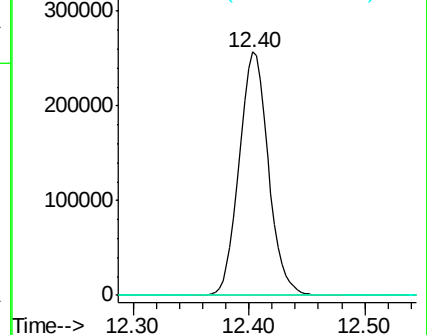
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049385.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049385.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049385.D (-3363) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 14.08 min Scan# 3886

Delta R.T. 0.21 min

Lab File: VN049385.D

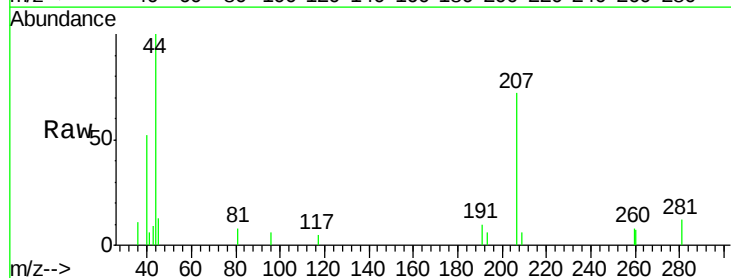
Acq: 19 Jun 2018 15:11

Tgt Ion: 117 Resp: 29

Ion Ratio Lower Upper

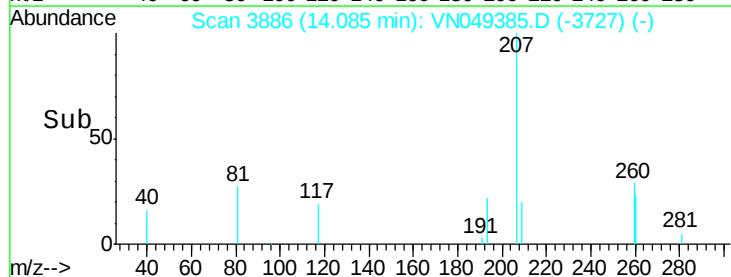
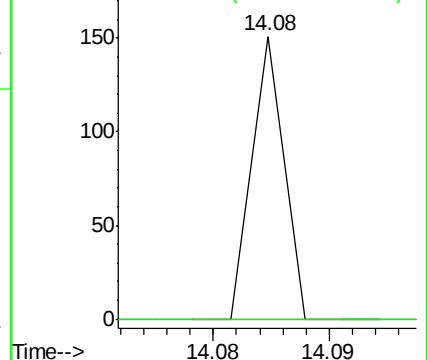
117 100

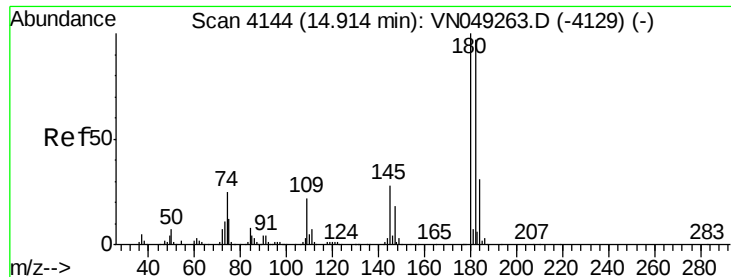
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049385.D (-3821) (-)

Ion 200.70 (200.40 to 201.40): VN049385.D (-3821) (-)

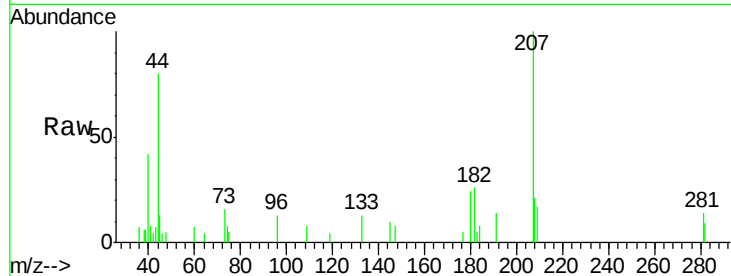




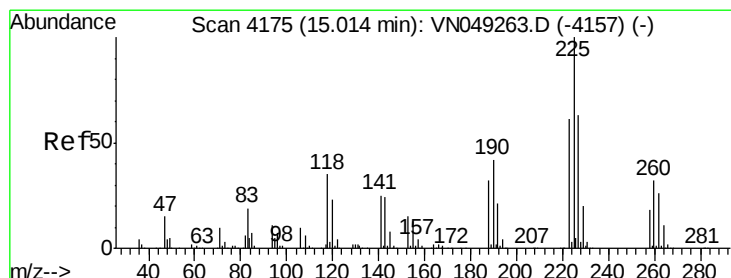
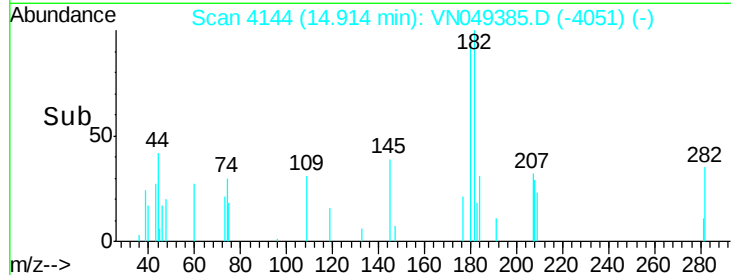
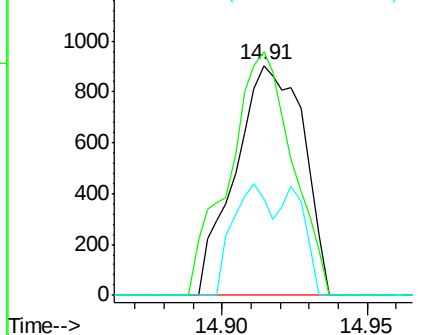
#93
 1,2,4-Trichlorobenzene
 Concen: 4.86 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049385.D
 Acq: 19 Jun 2018 15:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1478
 Ion Ratio Lower Upper
 180 100
 182 98.3 46.9 140.8
 145 26.9 14.7 44.1

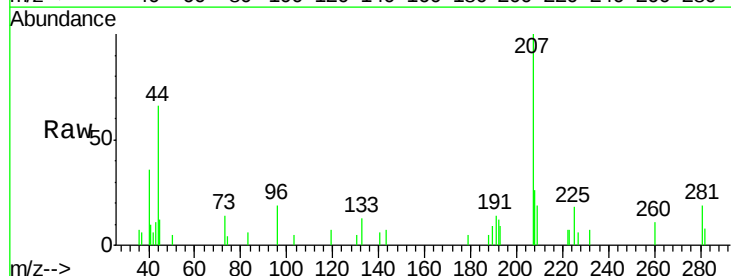


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

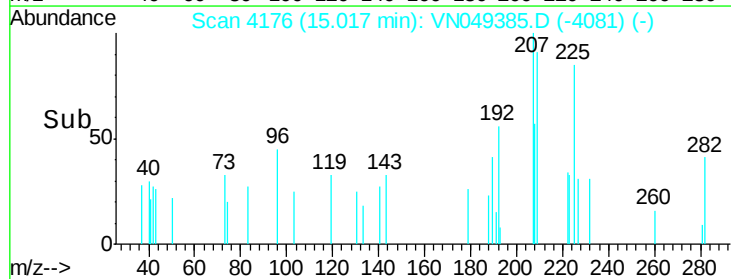
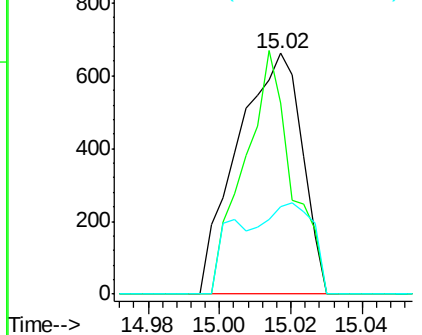


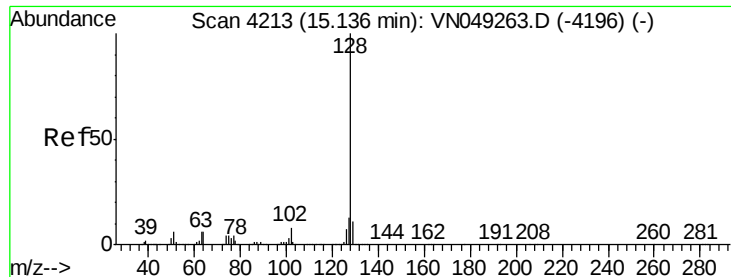
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN049385.D
 Acq: 19 Jun 2018 15:11

Tgt Ion:225 Resp: 829
 Ion Ratio Lower Upper
 225 100
 223 74.4 32.1 96.3
 227 26.1 31.8 95.3#



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.28 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

Instrument :

MSVOA_N

ClientSampled :

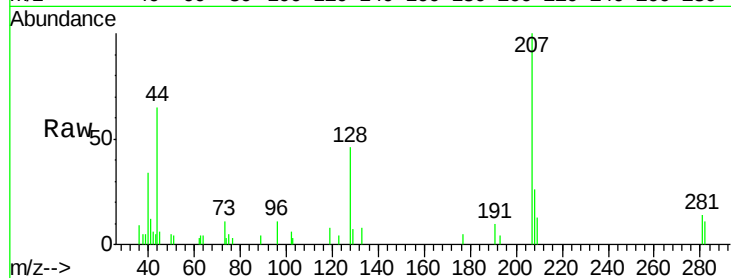
Tot Ion:128 Resp: 3669

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

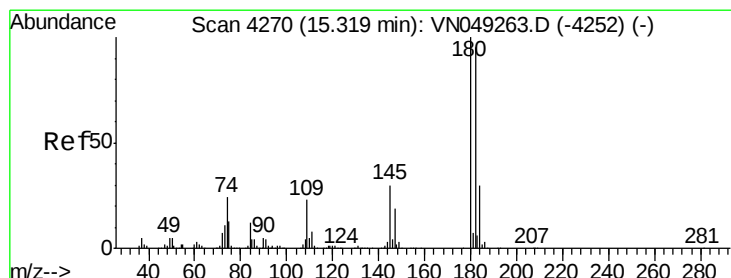
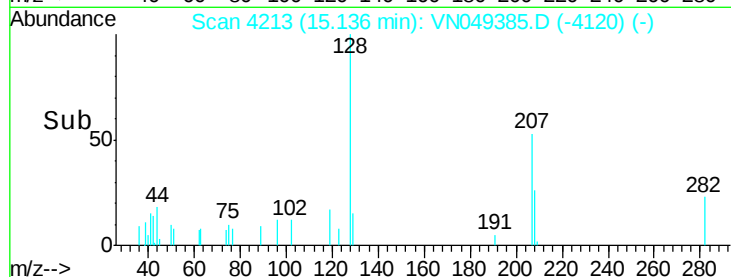
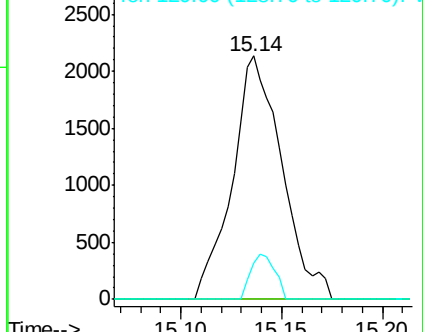
129 9.0 8.5 12.7



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: 3.60 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049385.D

Acq: 19 Jun 2018 15:11

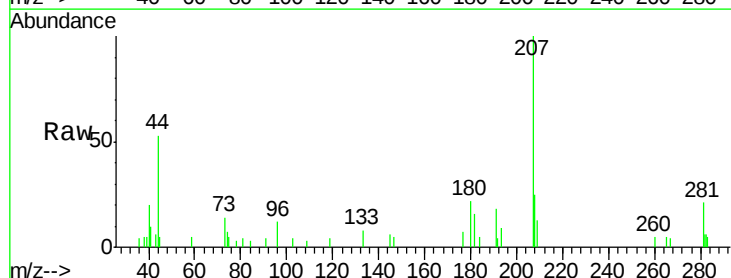
Tgt Ion:180 Resp: 1770

Ion Ratio Lower Upper

180 100

182 82.4 47.3 141.8

145 21.0 15.6 46.7



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

