

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058422.D
 Acq On : 30 Sep 2019 10:24
 Operator : JC/SP
 Sample : VN0930MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:29:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	449022	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	725842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	615684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	245547	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	322890	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
35) Dibromofluoromethane	7.57	113	225992	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
50) Toluene-d8	10.08	98	910669	52.26	ug/l	0.00
Spiked Amount			Recovery	=	104.52%	
62) 4-Bromofluorobenzene	12.41	95	291875	46.32	ug/l	0.00
Spiked Amount			Recovery	=	92.64%	

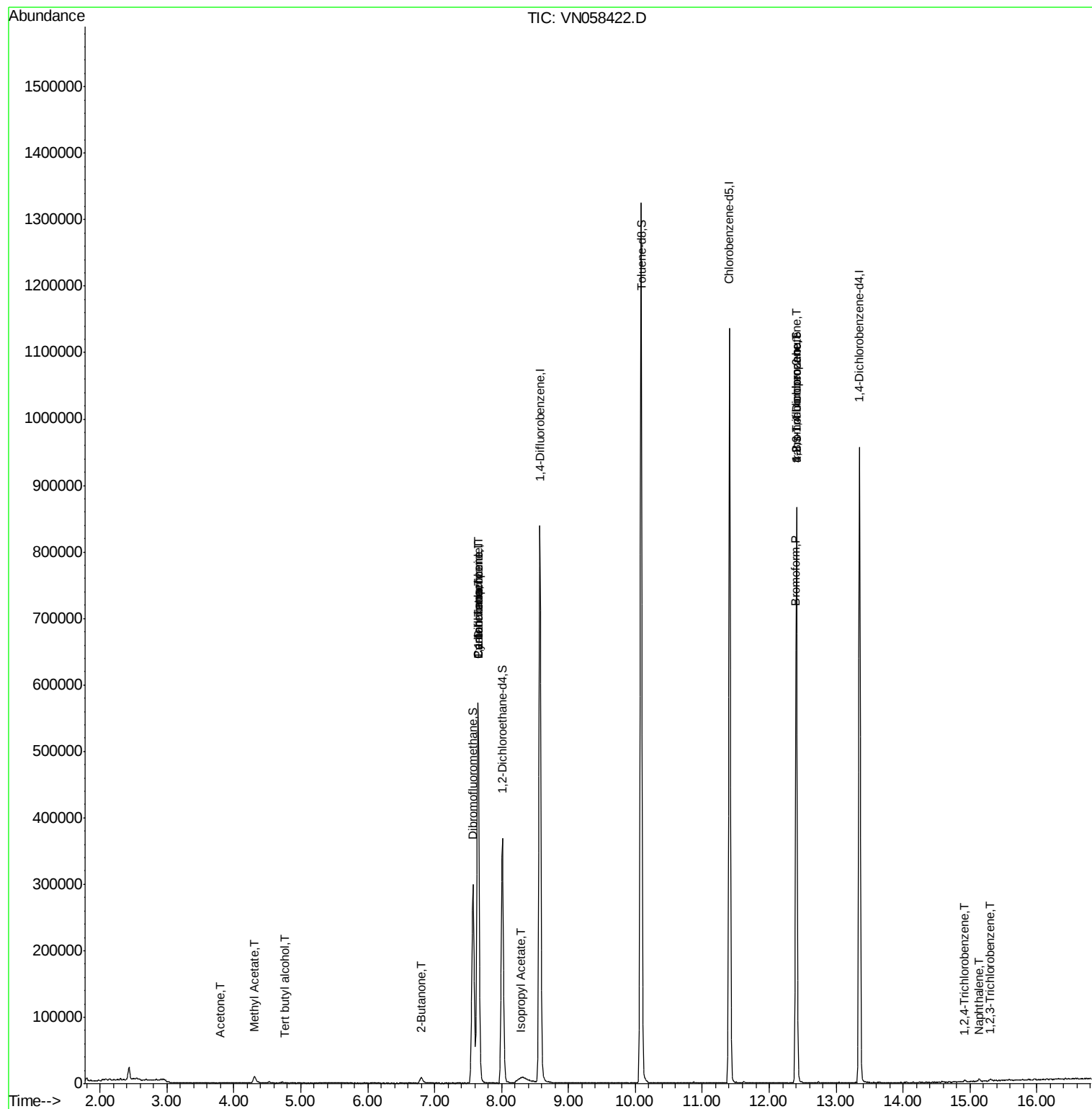
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	255	0.350	ug/l #	71
16) Acetone	3.81	43	1514	0.677	ug/l #	47
18) Methyl Acetate	4.31	43	18431	3.276	ug/l	94
25) 2-Butanone	6.81	43	696	0.227	ug/l #	50
31) Cyclohexane	7.65	56	11575	1.275	ug/l #	42
36) 1,1-Dichloropropene	7.65	75	38072	5.486	ug/l #	51
38) Carbon Tetrachloride	7.65	117	46425	7.410	ug/l #	16
43) Isopropyl Acetate	8.28	43	10107	0.913	ug/l #	63
71) Bromoform	12.39	173	134	0.741	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	160251	35.731	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	160251	108.519	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.92	180	1054	0.257	ug/l #	77
95) Naphthalene	15.14	128	4127	0.315	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.31	180	1062	0.233	ug/l	95

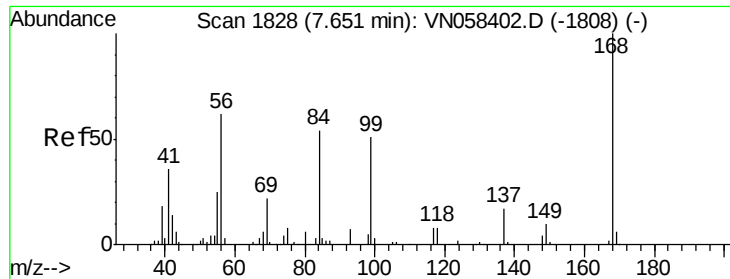
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093019\
Data File : VN058422.D
Acq On : 30 Sep 2019 10:24
Operator : JC/SP
Sample : VN0930MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 01 01:29:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

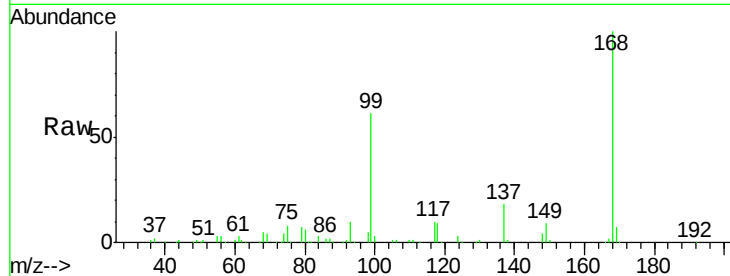
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 449022

Ion Ratio Lower Upper

168 100

99 60.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

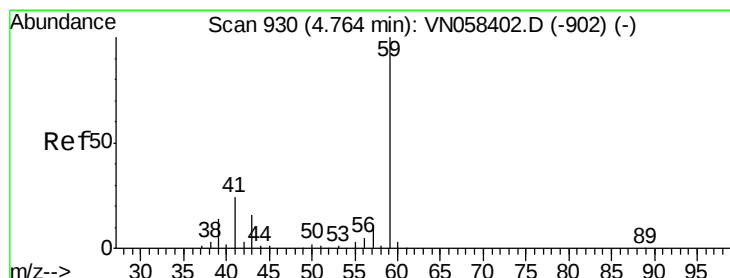
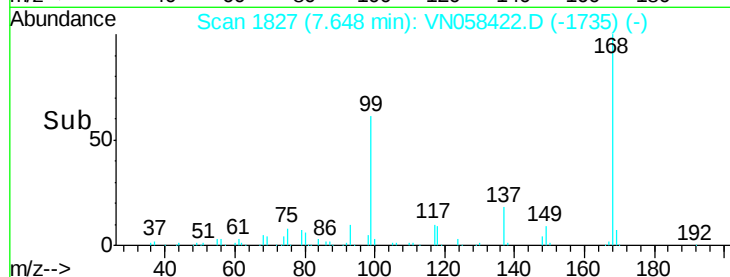
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.350 ug/l

RT: 4.77 min Scan# 931

Delta R.T. 0.00 min

Lab File: VN058422.D

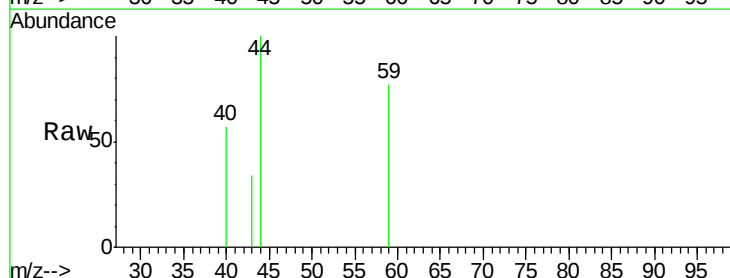
Acq: 30 Sep 2019 10:24

Tgt Ion: 59 Resp: 255

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.77

400

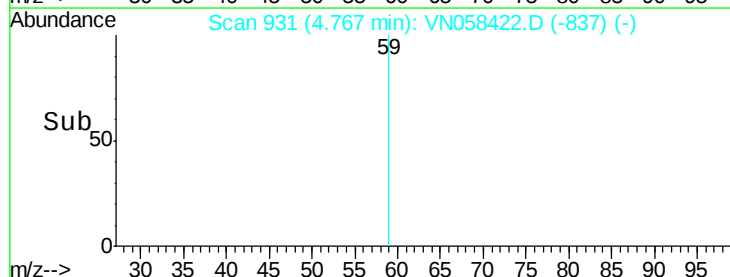
300

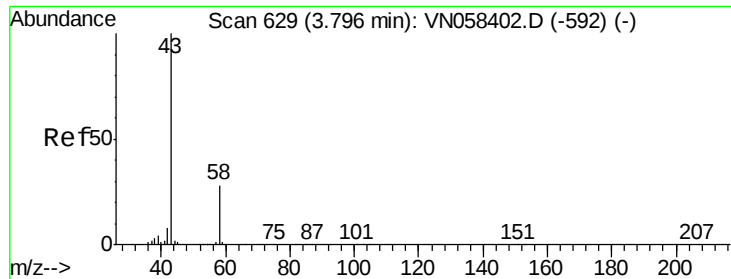
200

100

0

Time-->

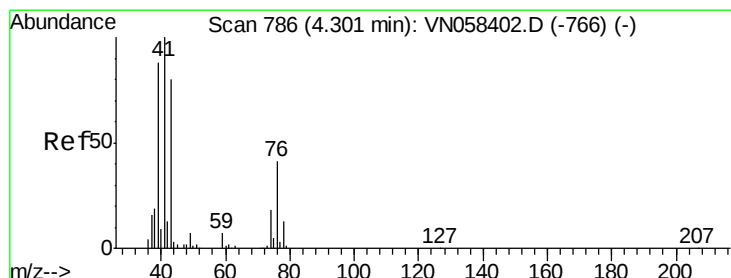
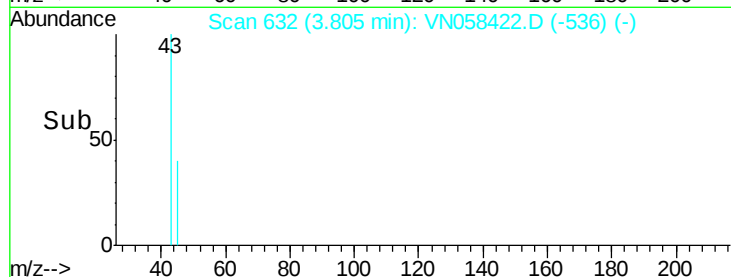
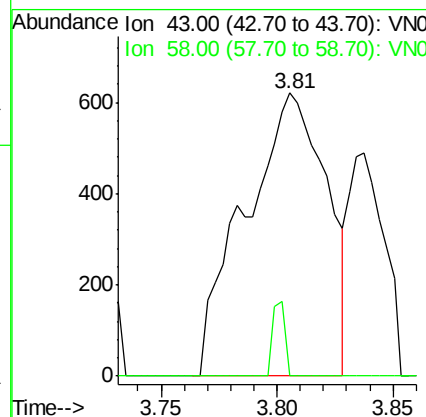
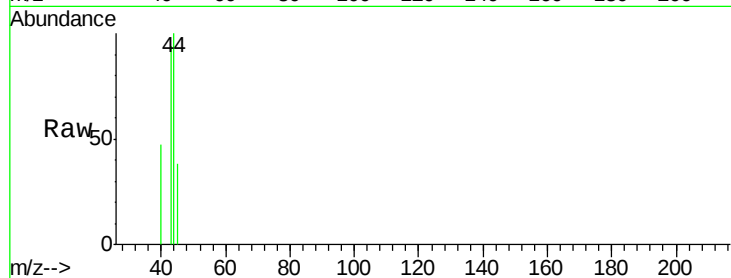




#16
Acetone
Concen: 0.677 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN058422.D
Acq: 30 Sep 2019 10:24

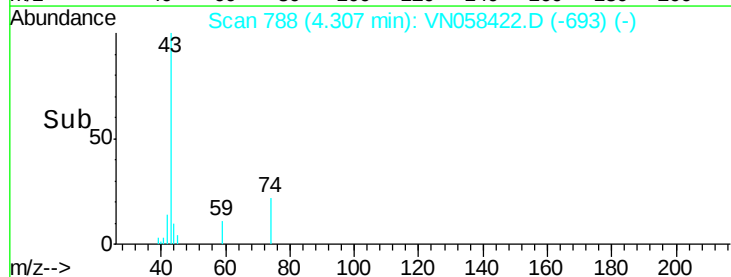
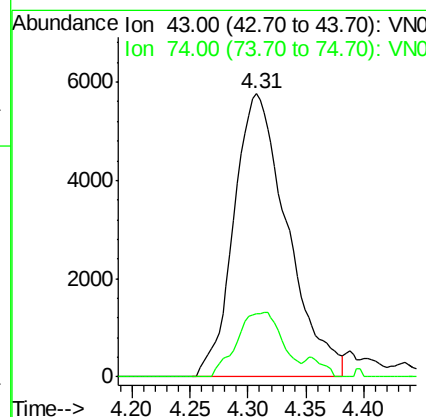
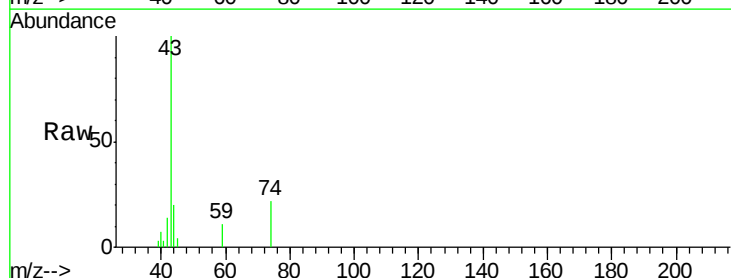
Instrument :
MSVOA_N
ClientSampled :

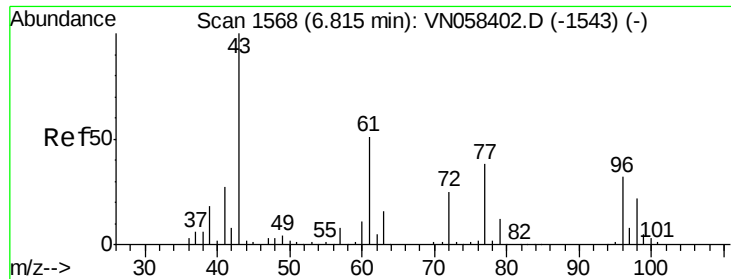
Tot Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#



#18
Methyl Acetate
Concen: 3.276 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058422.D
Acq: 30 Sep 2019 10:24

Tgt Ion: 43 Resp: 18431
Ion Ratio Lower Upper
43 100
74 19.5 18.0 27.0

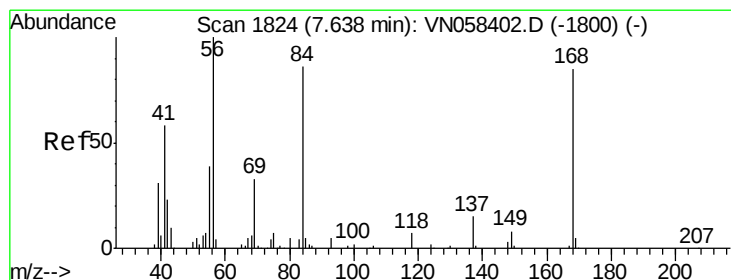
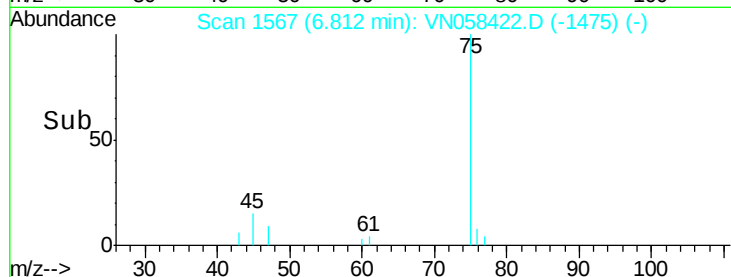
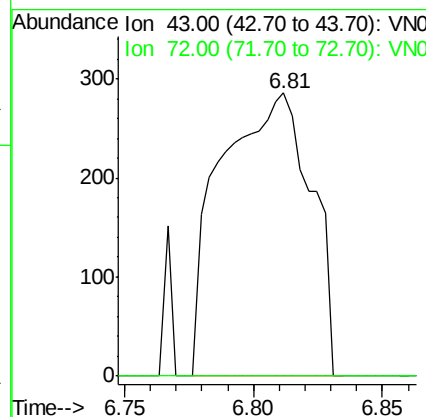
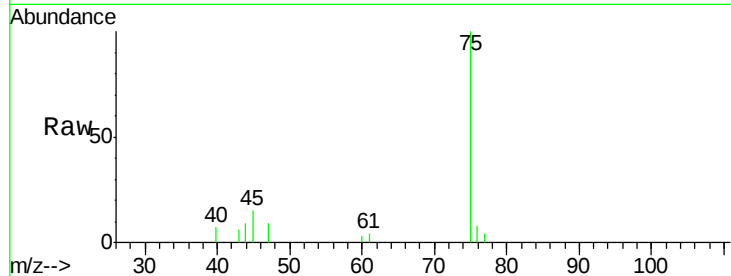




#25
2-Butanone
Concen: 0.227 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN058422.D
Acq: 30 Sep 2019 10:24

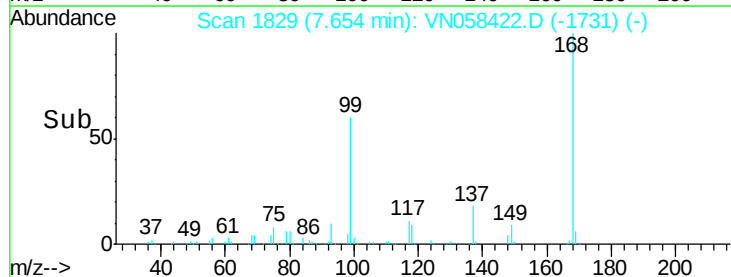
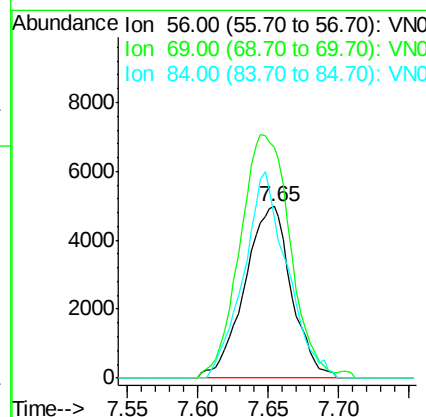
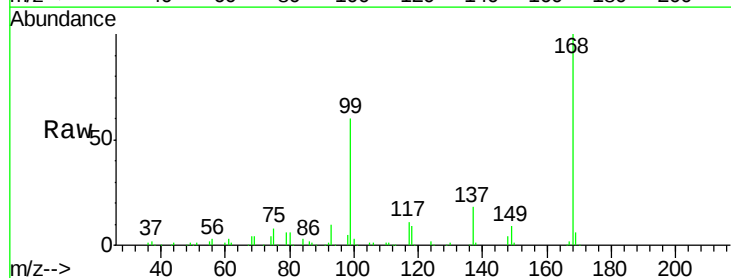
Instrument :
MSVOA_N
ClientSampleId :

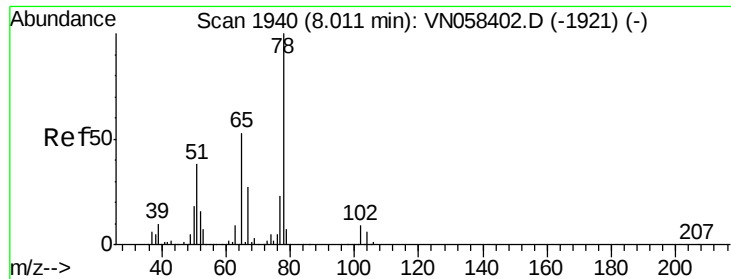
Tot Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN058422.D
Acq: 30 Sep 2019 10:24

Tgt Ion: 56 Resp: 11575
Ion Ratio Lower Upper
56 100
69 134.2 26.2 39.4#
84 93.7 67.6 101.4





#33

1,2-Dichloroethane-d4

Concen: 49.208 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

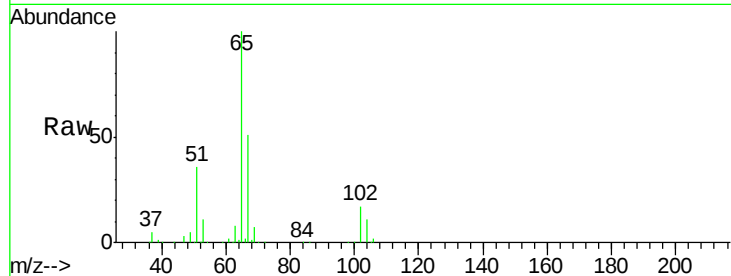
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 322890

Ion Ratio Lower Upper

65 100

67 51.4 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058422.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058422.D (-1847) (-)

8.01

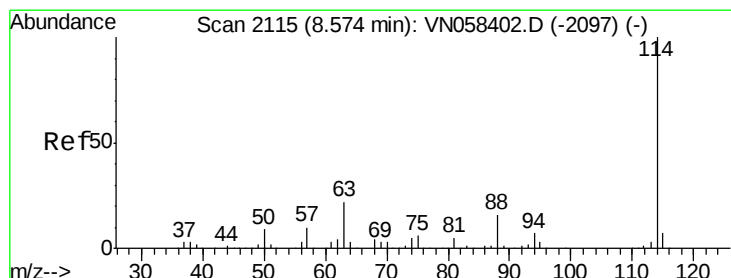
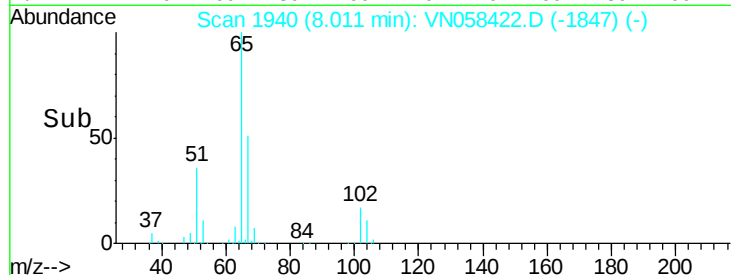
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

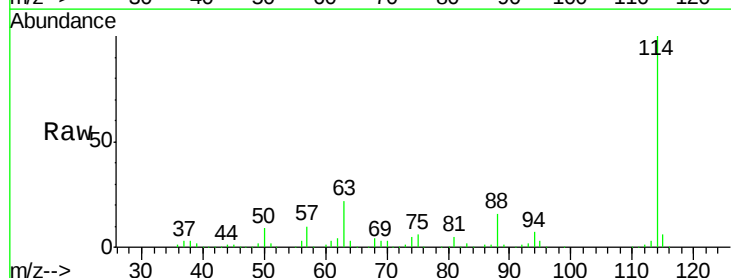
Tgt Ion: 114 Resp: 725842

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 15.8 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058422.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058422.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058422.D (-2022) (-)

8.57

400000

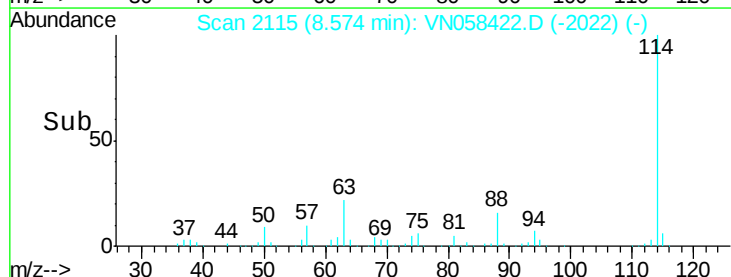
300000

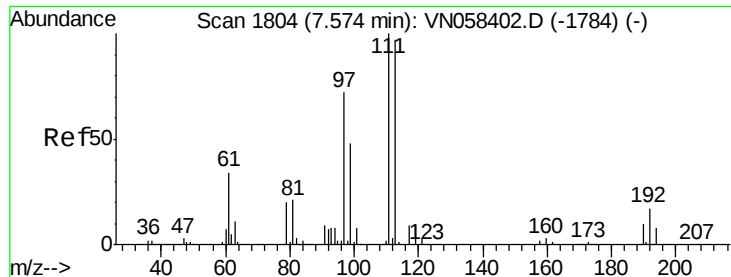
200000

100000

0

Time-->

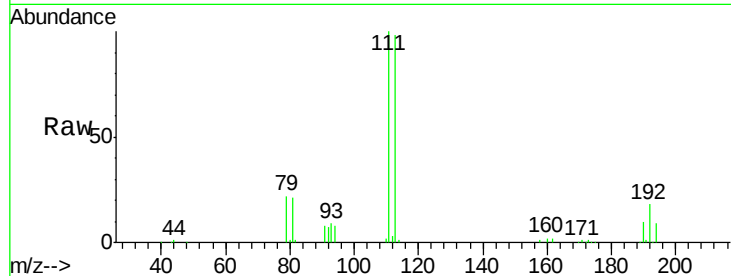




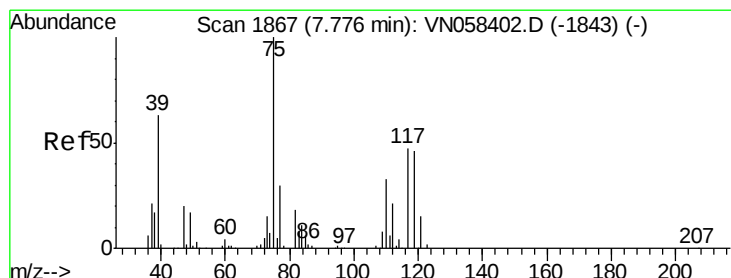
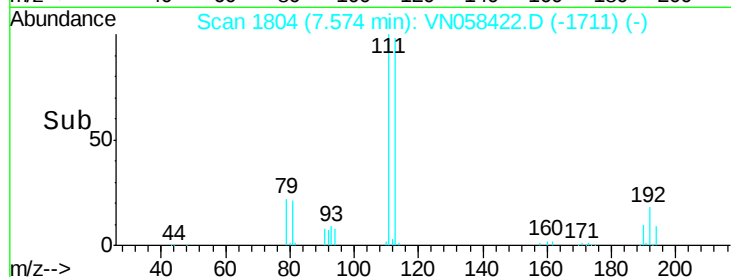
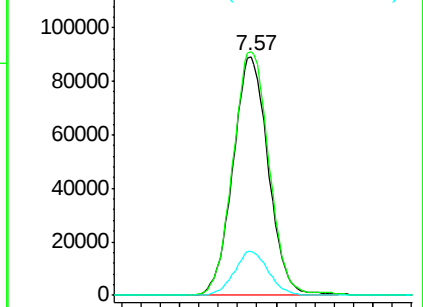
#35
 Dibromofluoromethane
 Concen: 50.801 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058422.D
 Acq: 30 Sep 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	83.4	125.2
192	17.9	14.9	22.3

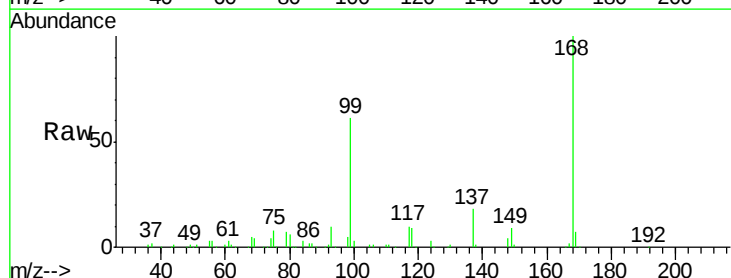


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

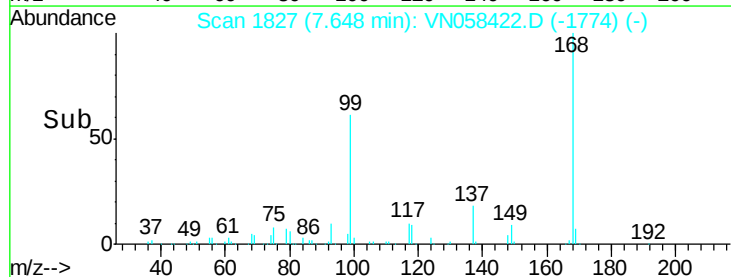
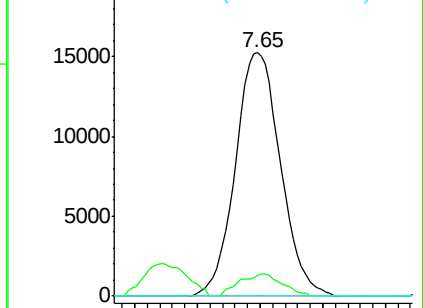


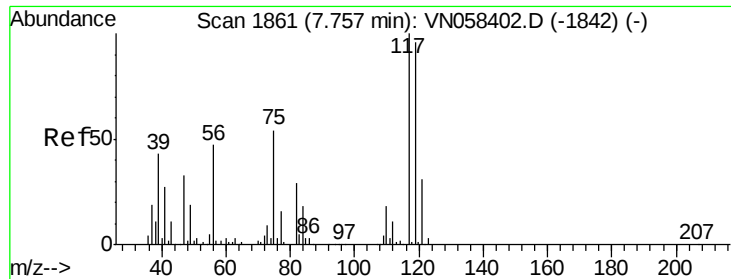
#36
 1,1-Dichloropropene
 Concen: 5.486 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058422.D
 Acq: 30 Sep 2019 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	16.4	49.2#
77	0.0	24.3	36.5#



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





#38

Carbon Tetrachloride

Concen: 7.410 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

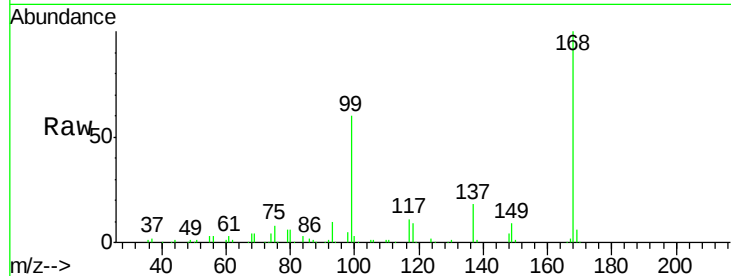
Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampled :



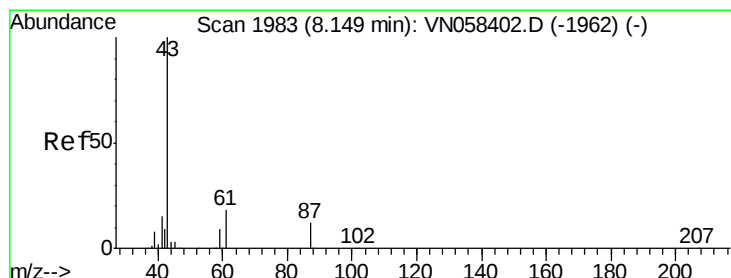
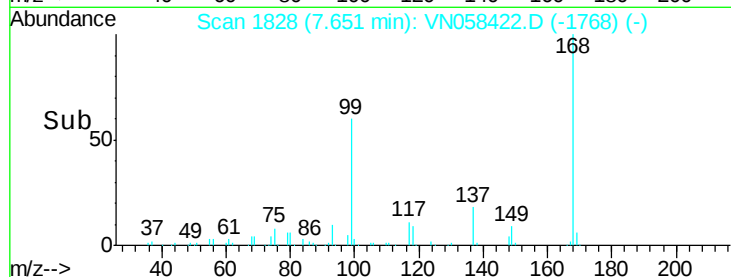
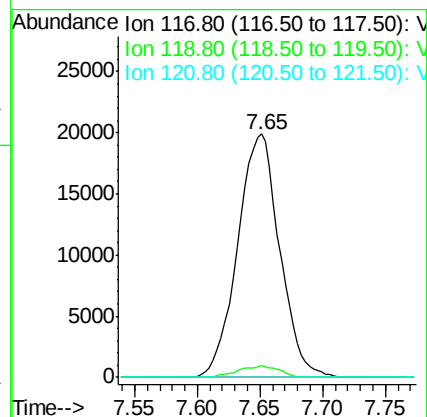
Tot Ion:117 Resp: 46425

Ion Ratio Lower Upper

117 100

119 4.6 76.6 115.0#

121 0.0 24.7 37.1#



#43

Isopropyl Acetate

Concen: 0.913 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.13 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

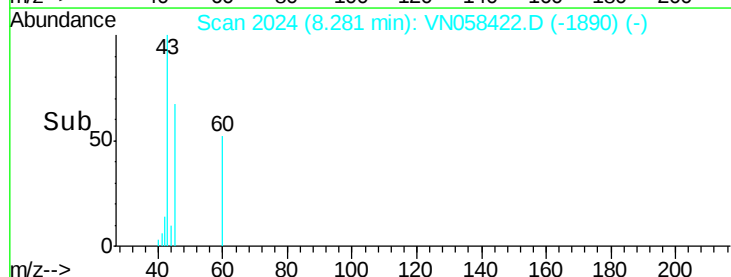
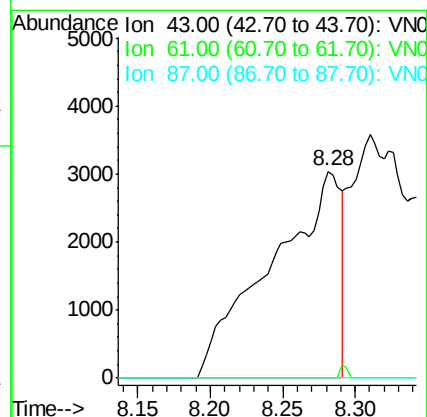
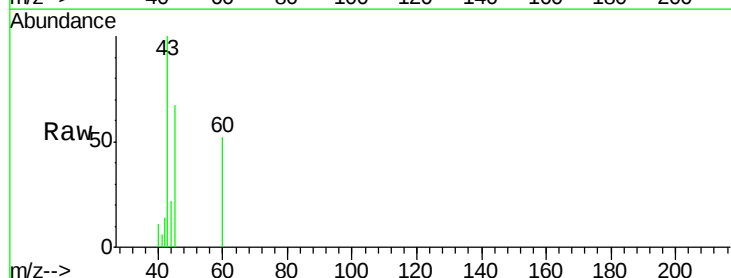
Tgt Ion: 43 Resp: 10107

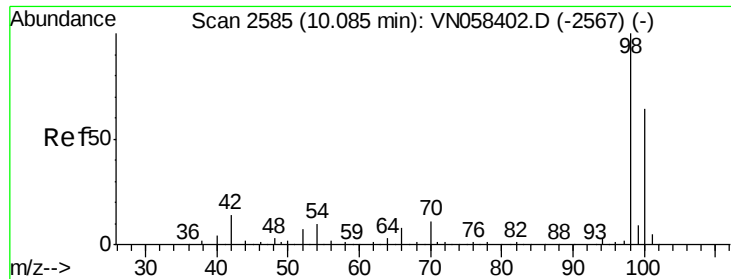
Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

87 0.0 9.7 14.5#





#50

Toluene-d8

Concen: 52.256 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

Instrument :

MSVOA_N

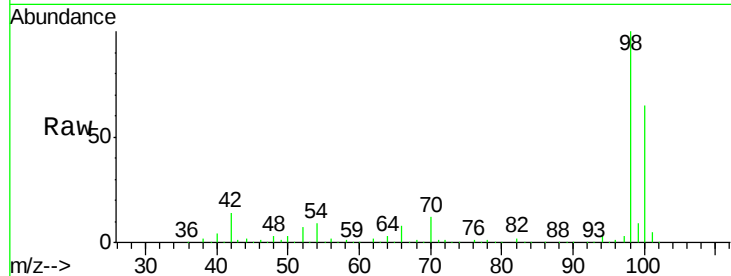
ClientSampled :

Tot Ion: 98 Resp: 910669

Ion Ratio Lower Upper

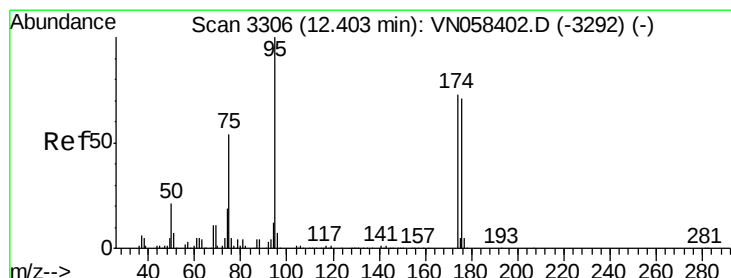
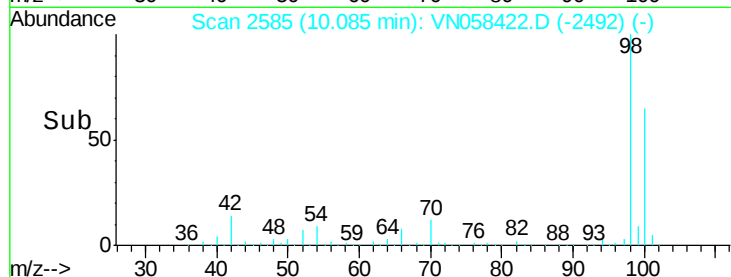
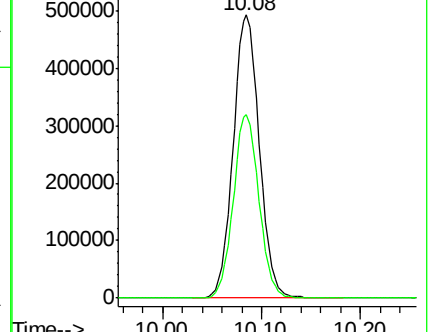
98 100

100 63.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#62

4-Bromofluorobenzene

Concen: 46.320 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

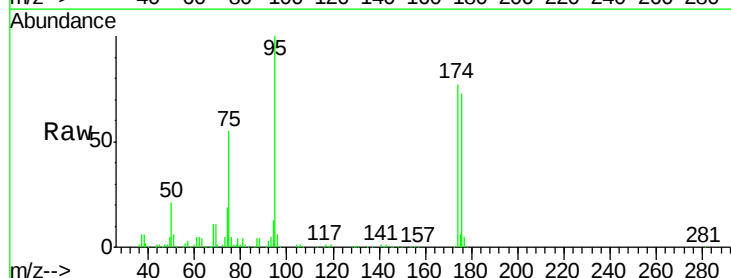
Tgt Ion: 95 Resp: 291875

Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.6

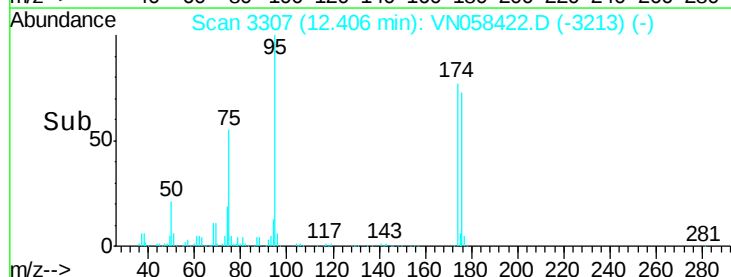
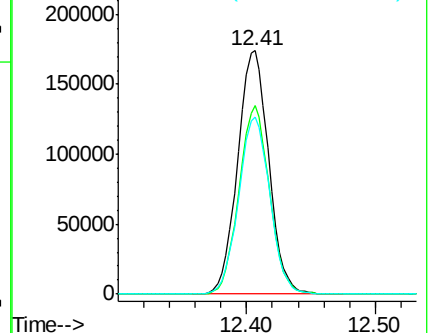
176 73.2 0.0 146.2

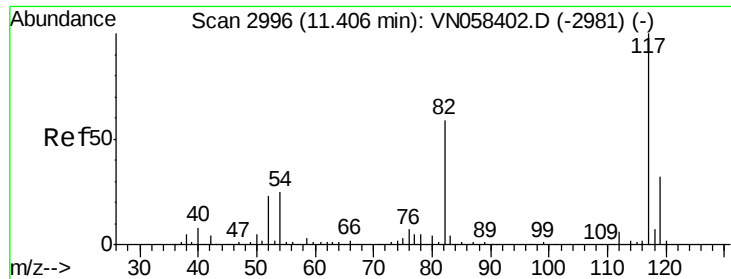


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

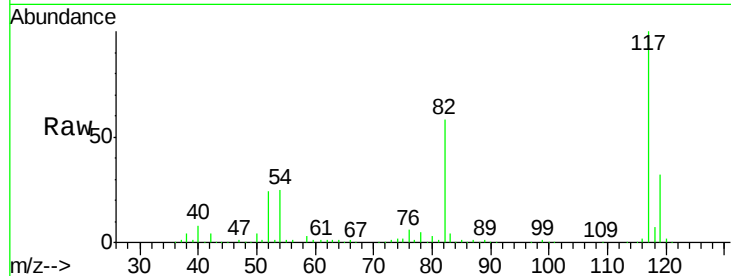




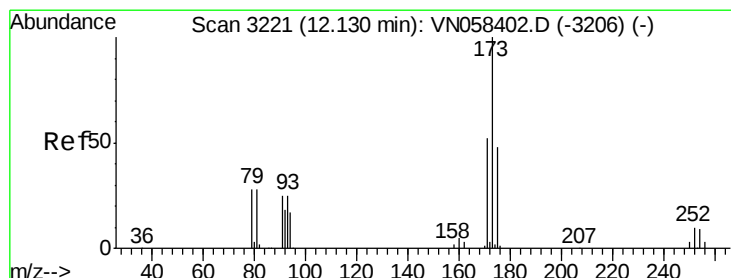
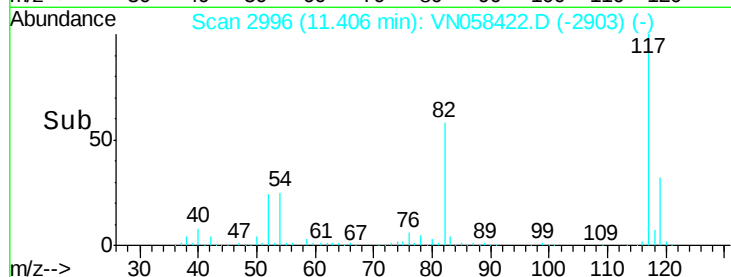
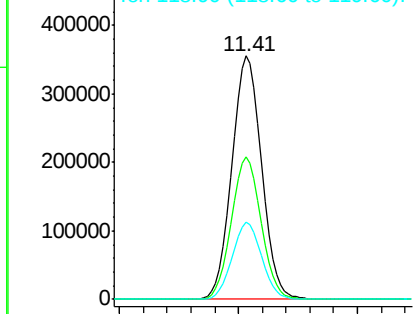
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058422.D
Acq: 30 Sep 2019 10:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 615684
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.0
119 31.7 25.5 38.3

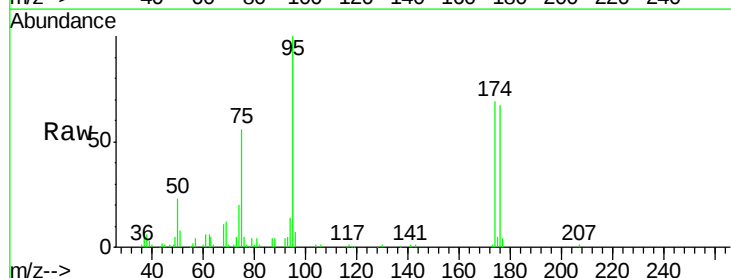


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

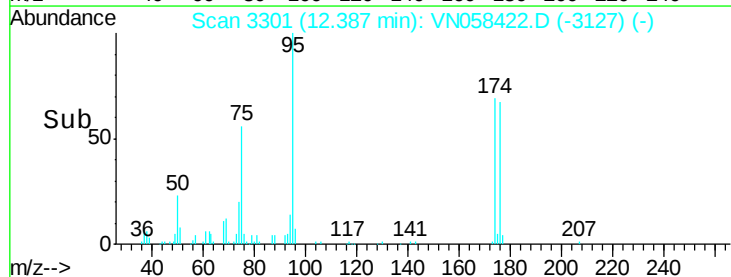
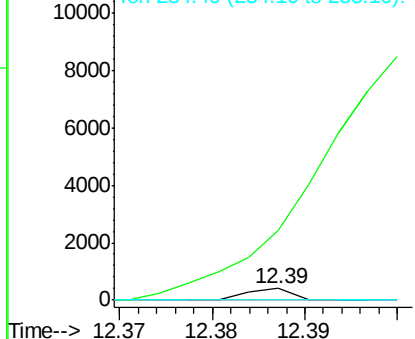


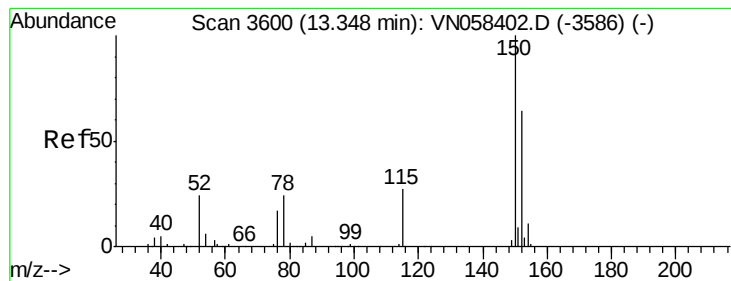
#71
Bromoform
Concen: 0.741 ug/l
RT: 12.39 min Scan# 3301
Delta R.T. 0.26 min
Lab File: VN058422.D
Acq: 30 Sep 2019 10:24

Tgt Ion:173 Resp: 134
Ion Ratio Lower Upper
173 100
175 10772.4 24.3 73.0#
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: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

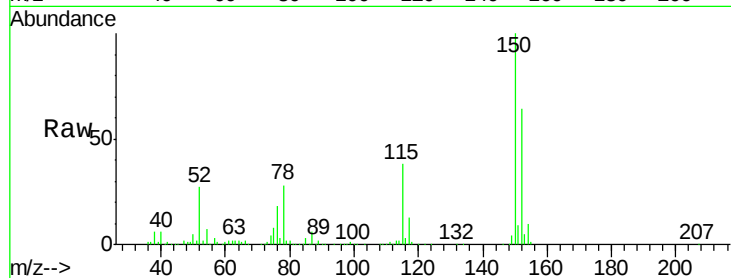
Tot Ion:152 Resp: 245547

Ion Ratio Lower Upper

152 100

115 60.9 30.0 90.0

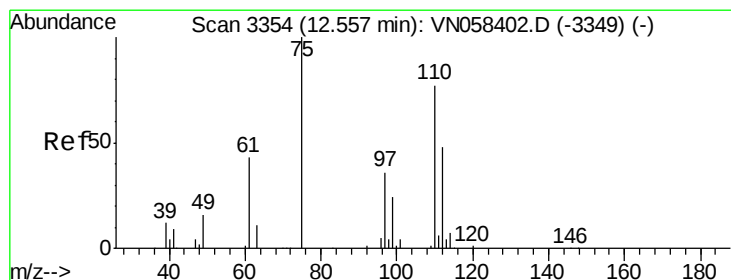
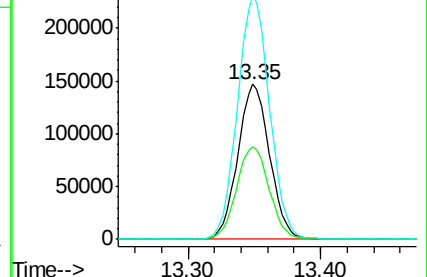
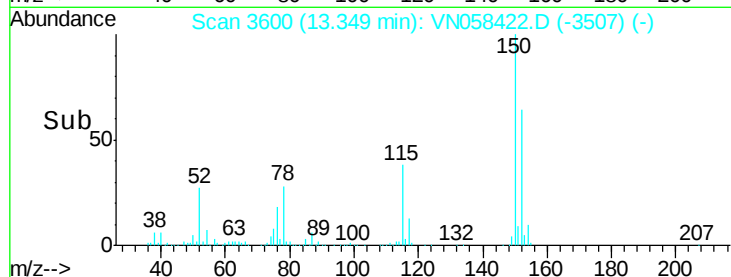
150 157.9 0.0 348.2



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



#76

1,2,3-Trichloropropane

Concen: 35.731 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058422.D

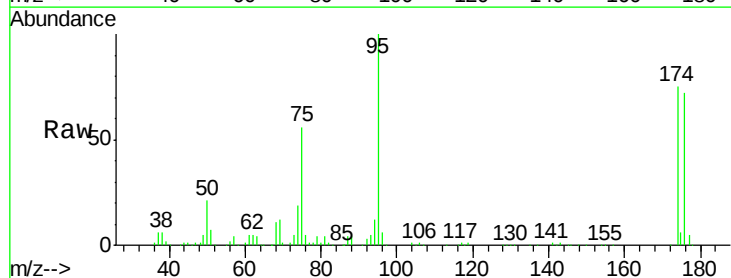
Acq: 30 Sep 2019 10:24

Tgt Ion: 75 Resp: 160251

Ion Ratio Lower Upper

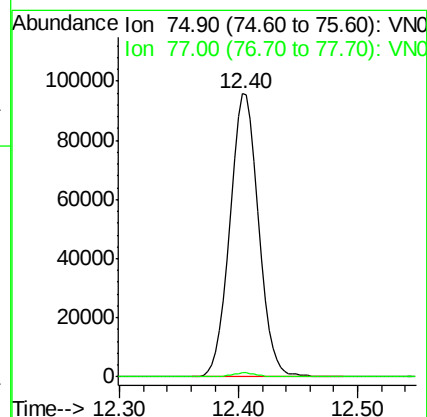
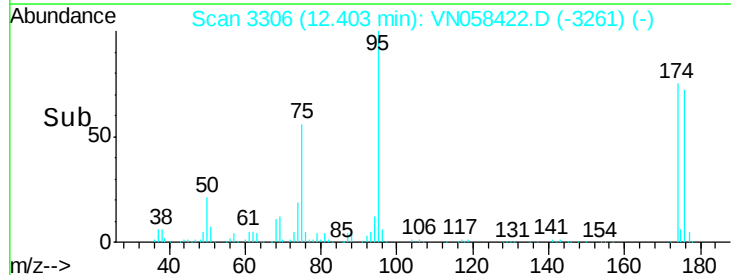
75 100

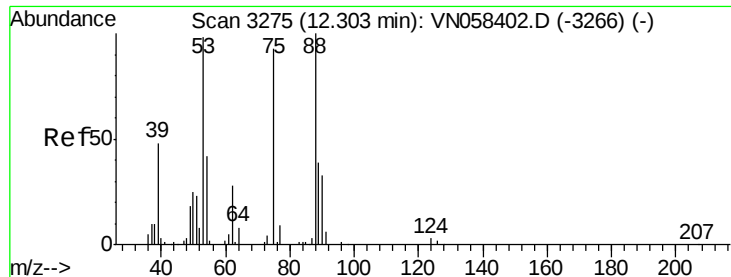
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 108.519 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

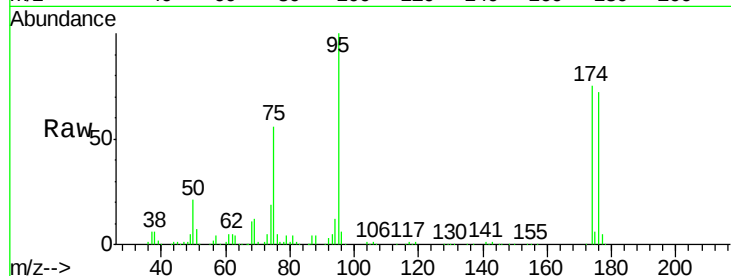
Tot Ion: 75 Resp: 160251

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

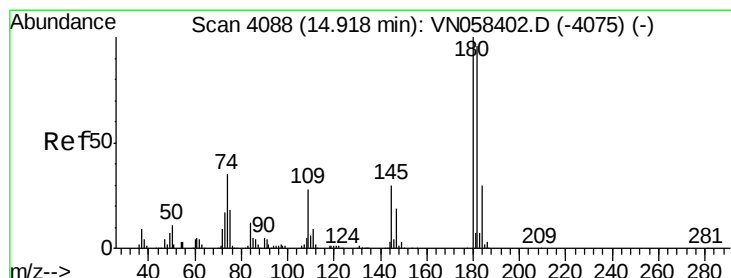
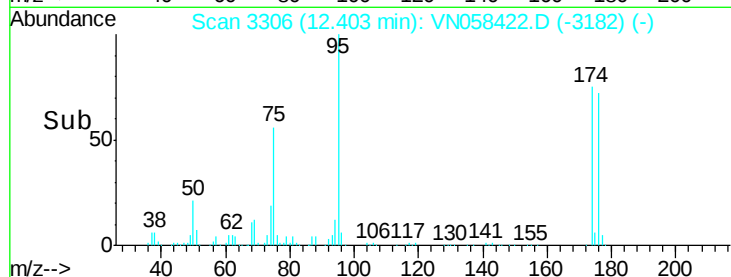
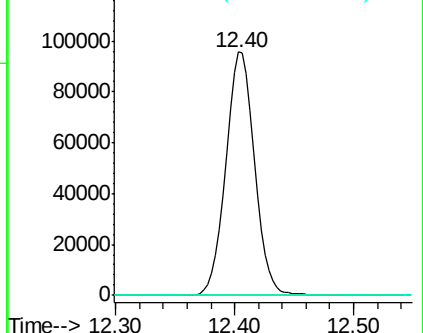
89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN058422.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN058422.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN058422.D (-3182) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.257 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

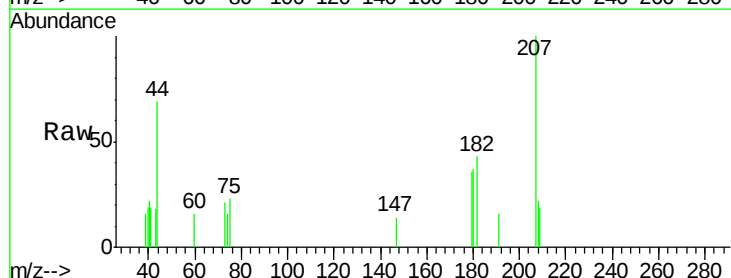
Tgt Ion:180 Resp: 1054

Ion Ratio Lower Upper

180 100

182 82.8 47.4 142.3

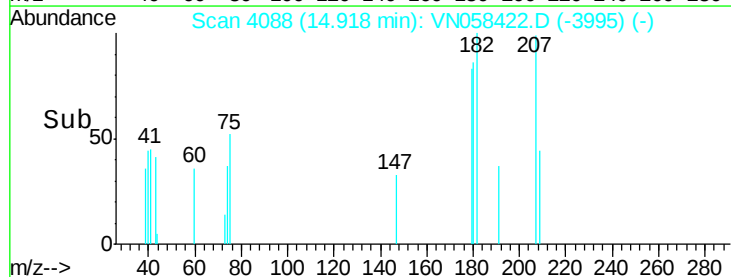
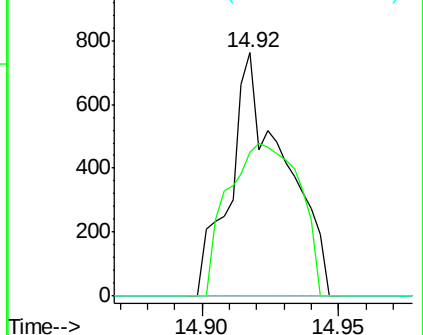
145 0.0 15.3 45.9#

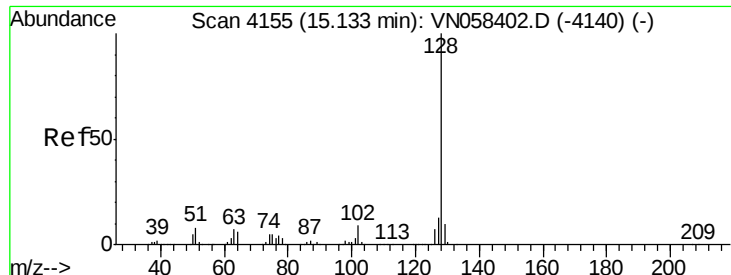


Abundance Ion 179.80 (179.50 to 180.50): VN058422.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058422.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058422.D (-3995) (-)





#95

Naphthalene

Concen: 0.315 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

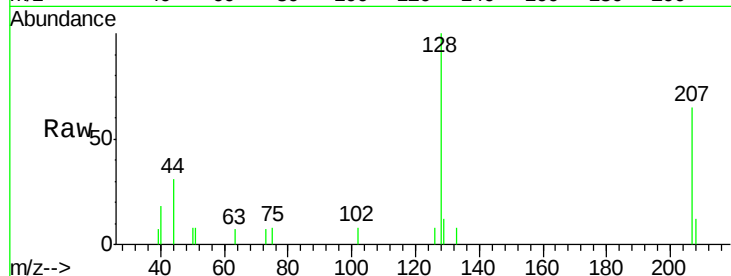
Tot Ion:128 Resp: 4127

Ion Ratio Lower Upper

128 100

127 5.5 10.2 15.4#

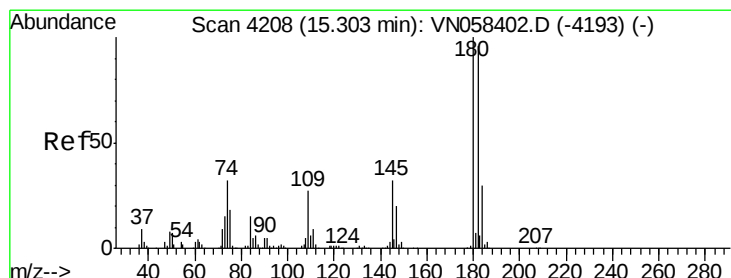
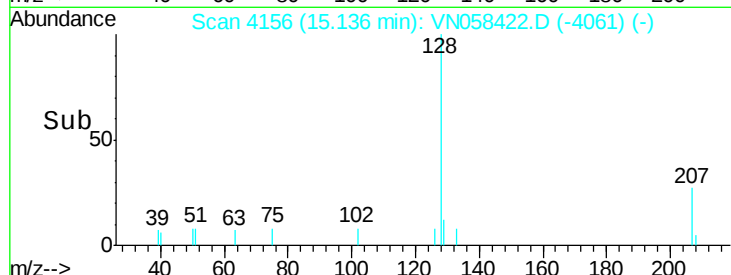
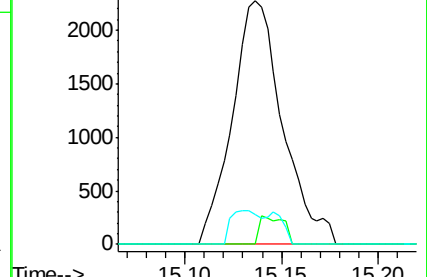
129 7.9 8.3 12.5#



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: 0.233 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.01 min

Lab File: VN058422.D

Acq: 30 Sep 2019 10:24

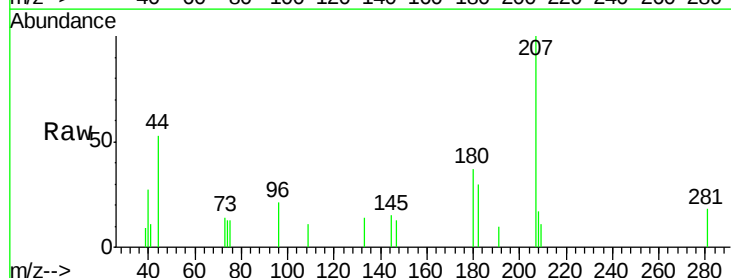
Tgt Ion:180 Resp: 1062

Ion Ratio Lower Upper

180 100

182 95.3 48.3 144.9

145 23.4 16.1 48.3



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

