

Data File : VN059539.D
Acq On : 10 Dec 2019 12:02
Operator : JC/SP
Sample : VN1210WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

Quant Time: Dec 11 06:13:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	251384	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	403513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	436177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	142904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	177623	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	7.57	113	127670	53.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.04%	
50) Toluene-d8	10.08	98	541326	55.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.14%	
62) 4-Bromofluorobenzene	12.40	95	202444	55.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.26%	

Target Compounds

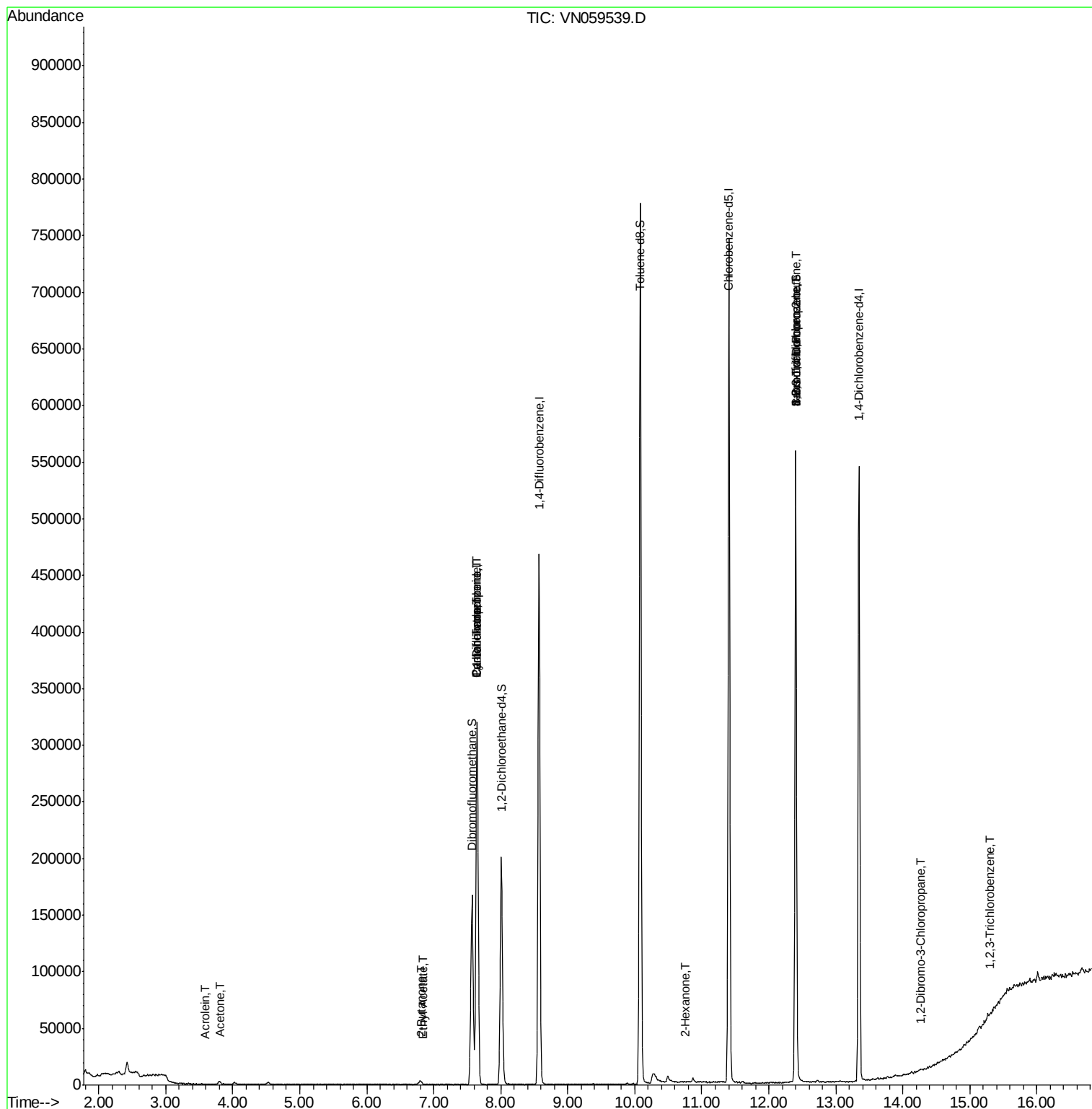
					Qvalue	
13) Acrolein	3.58	56	69	0.244	ug/l #	14
16) Acetone	3.79	43	2041	1.244	ug/l	92
17) Carbon Disulfide	4.03	76	3732	Below Cal	#	91
20) Methylene Chloride	4.52	84	762	Below Cal	#	77
25) 2-Butanone	6.82	43	613	0.277	ug/l #	50
31) Cyclohexane	7.65	56	5922	1.119	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	21233	5.129	ug/l #	50
37) Ethyl Acetate	6.84	43	215	1.581	ug/l #	69
38) Carbon Tetrachloride	7.65	117	25329	6.207	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	288	Below Cal	#	37
59) 2-Hexanone	10.75	43	357	2.316	ug/l #	26
71) Bromoform	12.40	173	1175	0.438	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	99675	27.275	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	99675	73.384	ug/l #	16
92) 1,2-Dibromo-3-Chloropropan	14.26	75	357	2.491	ug/l #	3
96) 1,2,3-Trichlorobenzene	15.30	180	760	2.643	ug/l	71

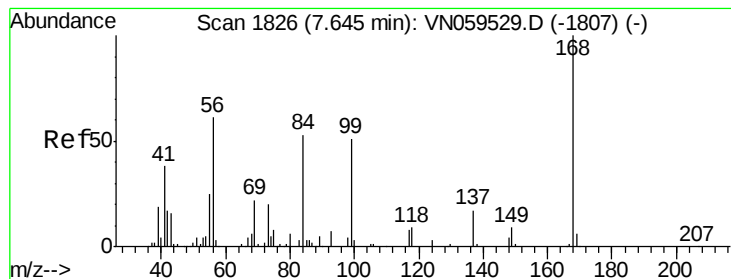
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

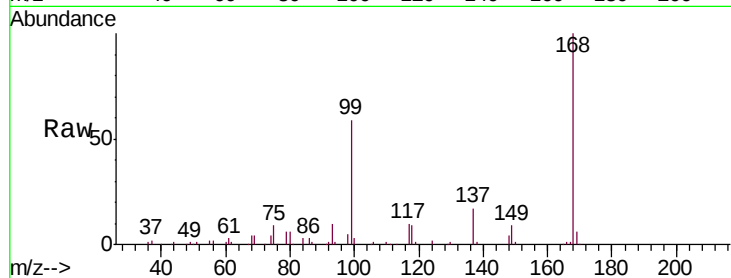
VN1210WBL01

Tgt Ion:168 Resp: 251384

Ion Ratio Lower Upper

168 100

99 59.2 46.6 70.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

120000

100000

80000

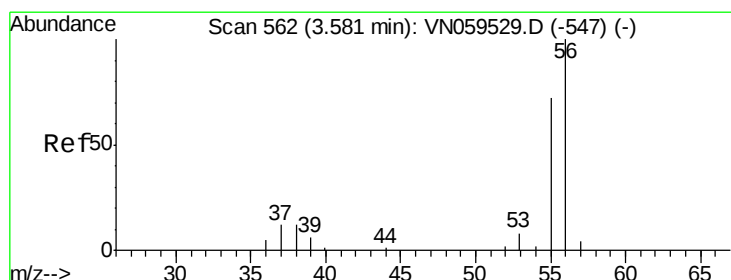
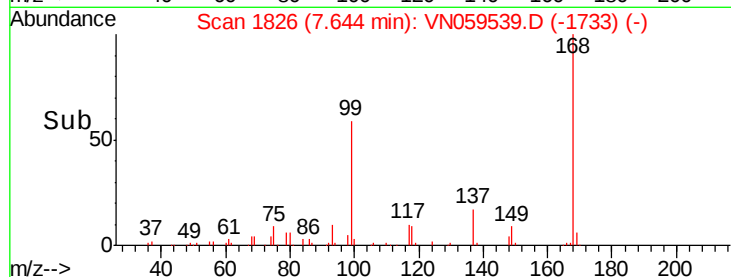
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 0.244 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059539.D

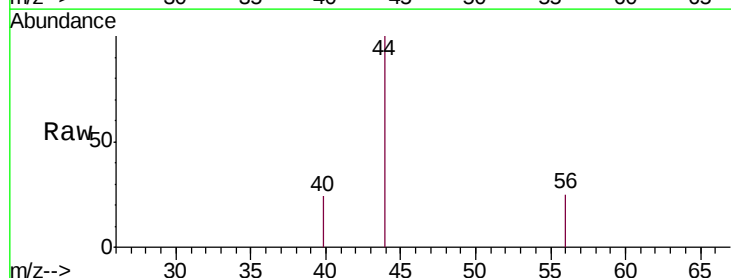
Acq: 10 Dec 2019 12:02

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

55 0.0 56.9 85.3#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

250

200

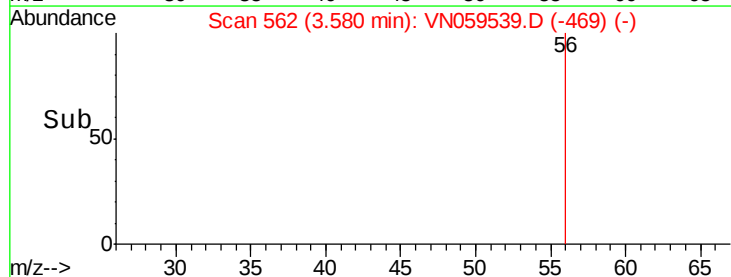
150

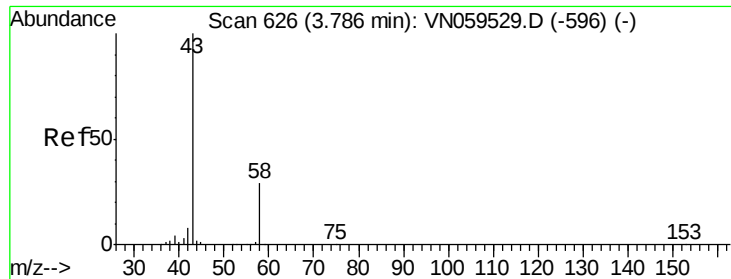
100

50

0

Time-->





#16

Acetone

Concen: 1.244 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

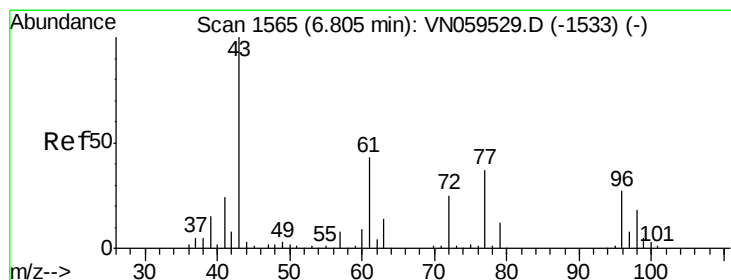
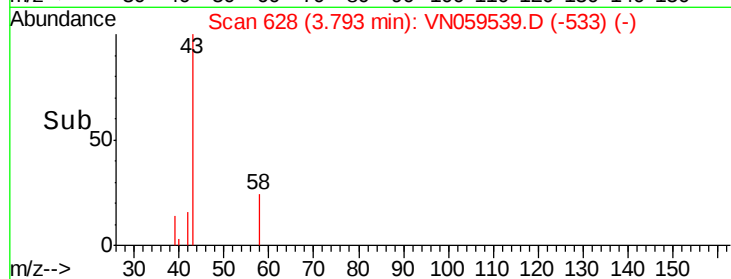
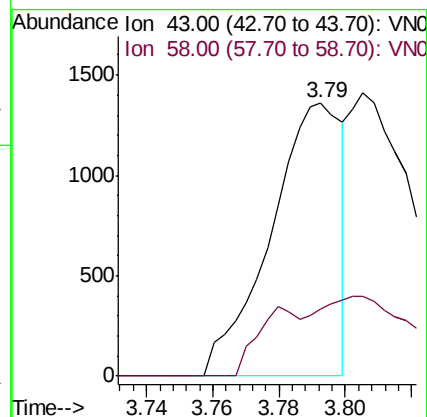
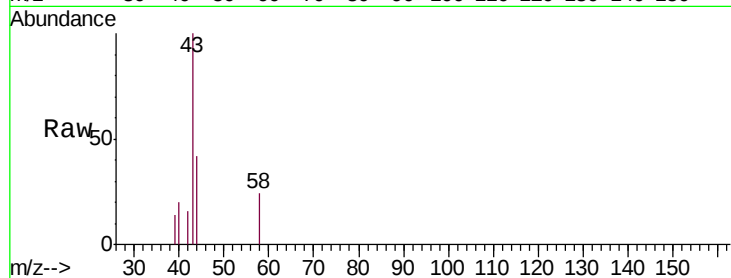
VN1210WBL01

Tgt Ion: 43 Resp: 2041

Ion Ratio Lower Upper

43 100

58 24.4 23.0 34.4



#25

2-Butanone

Concen: 0.277 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VN059539.D

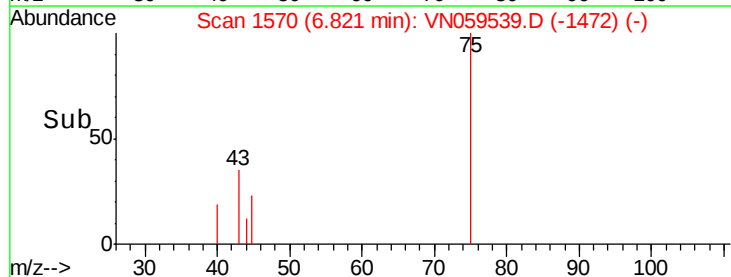
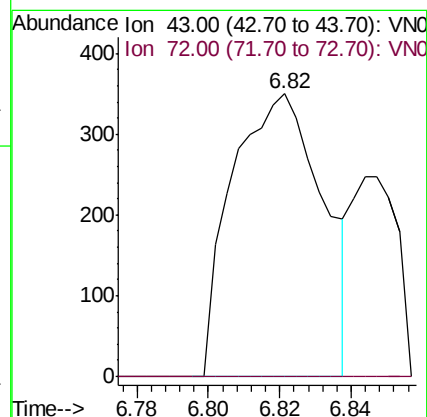
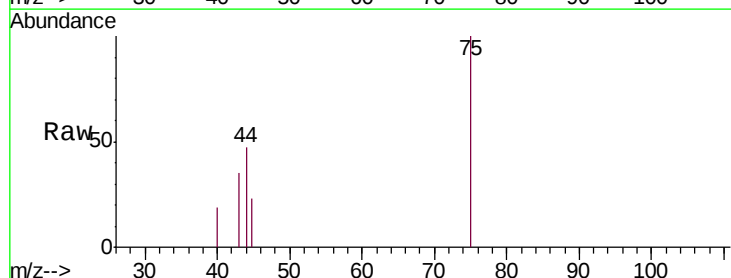
Acq: 10 Dec 2019 12:02

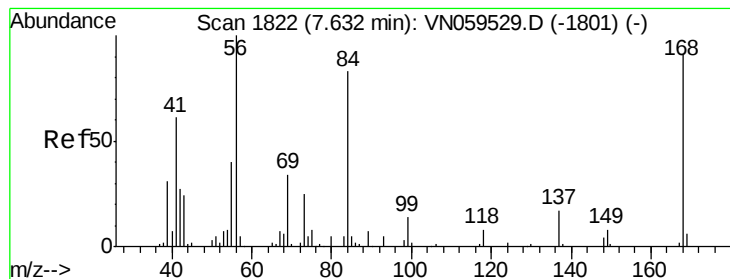
Tgt Ion: 43 Resp: 613

Ion Ratio Lower Upper

43 100

72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.119 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.02 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

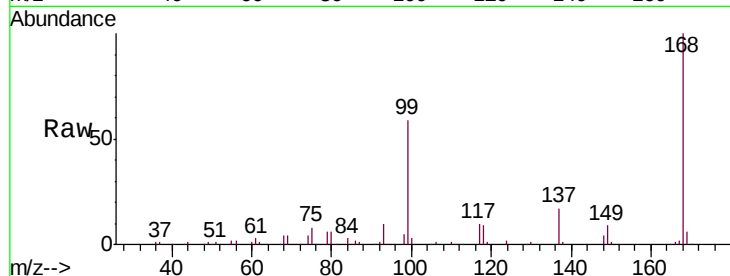
Tgt Ion: 56 Resp: 5922

Ion Ratio Lower Upper

56 100

69 174.8 26.9 40.3#

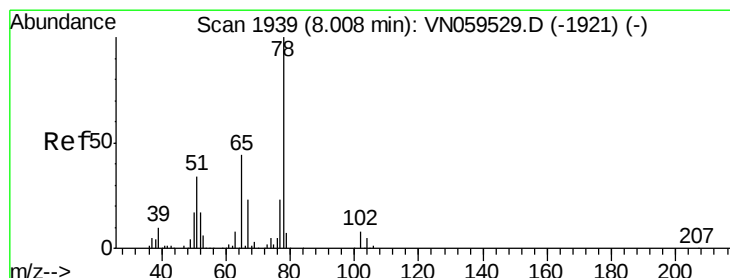
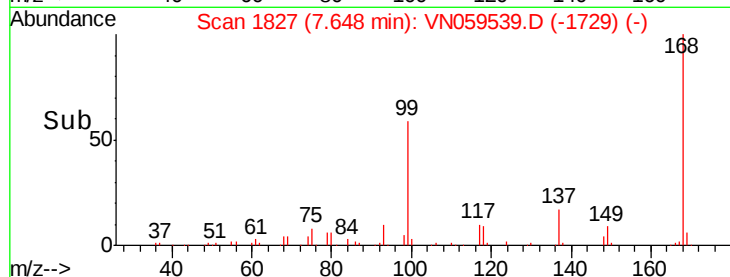
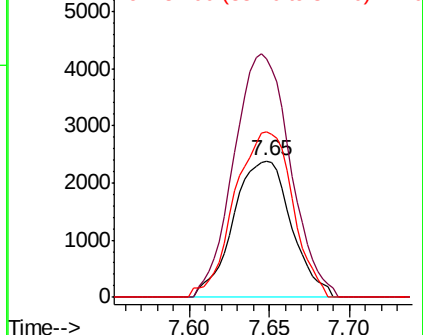
84 121.7 66.5 99.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.556 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN059539.D

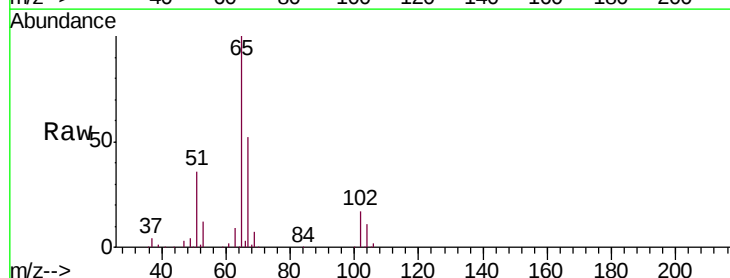
Acq: 10 Dec 2019 12:02

Tgt Ion: 65 Resp: 177623

Ion Ratio Lower Upper

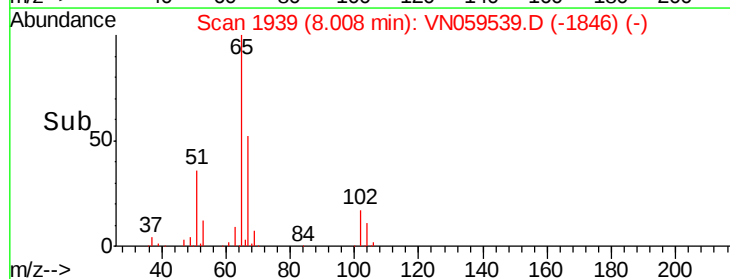
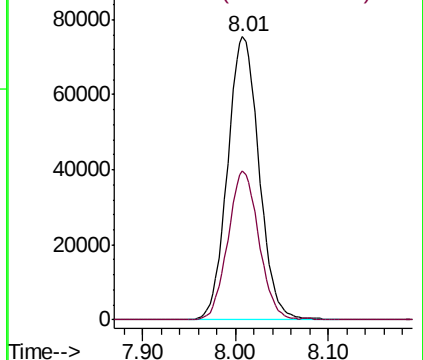
65 100

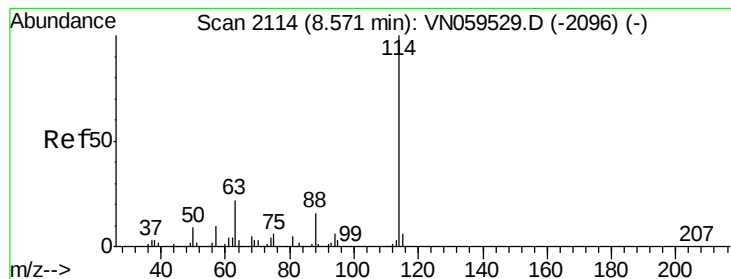
67 51.6 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

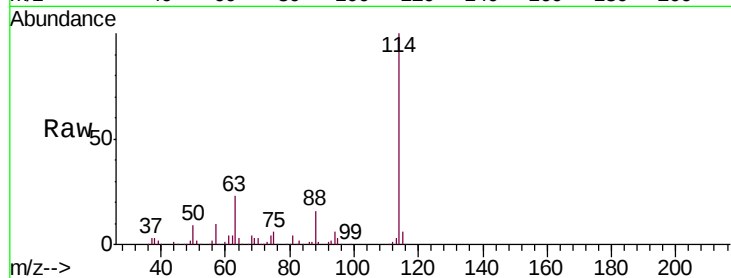
Tgt Ion:114 Resp: 403513

Ion Ratio Lower Upper

114 100

63 22.9 0.0 45.0

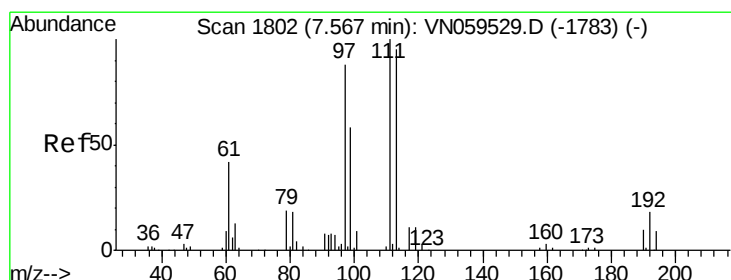
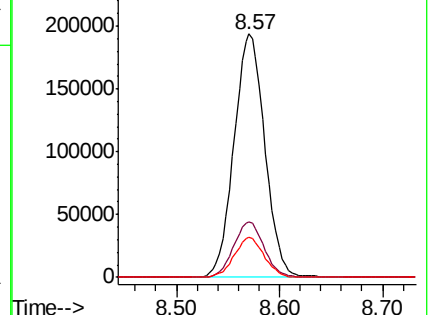
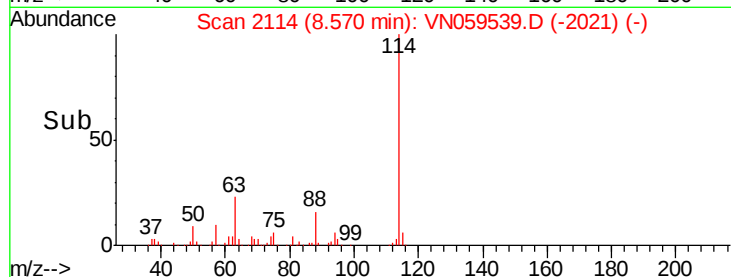
88 16.4 0.0 32.2



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: 53.020 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

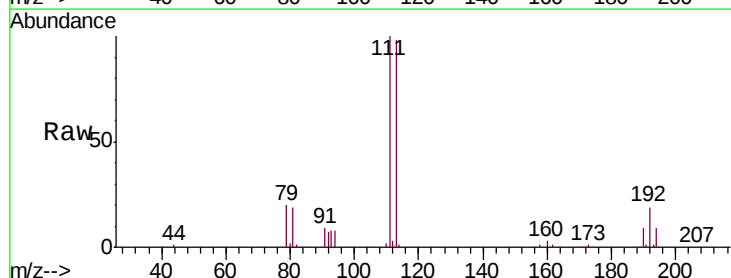
Tgt Ion:113 Resp: 127670

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

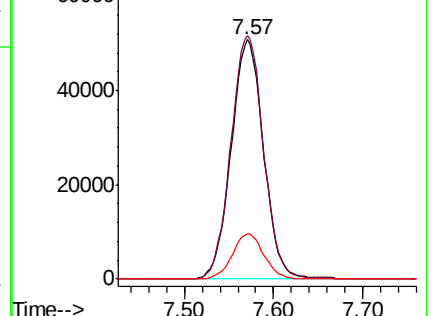
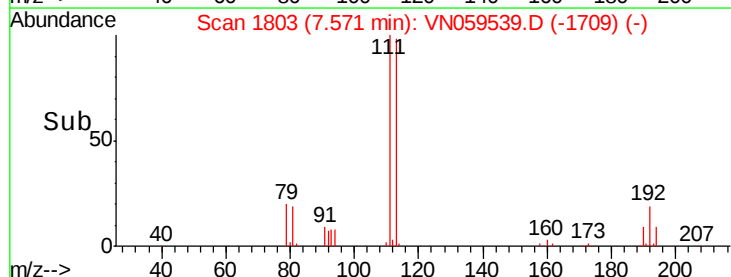
192 18.3 14.8 22.2

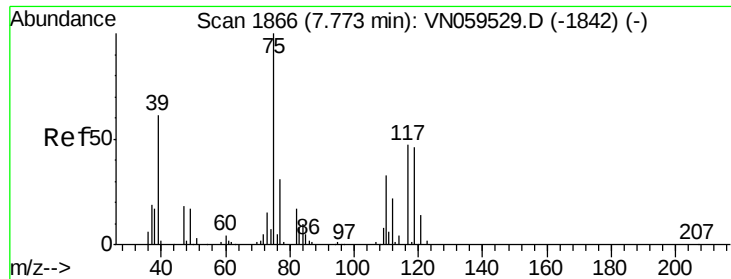


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

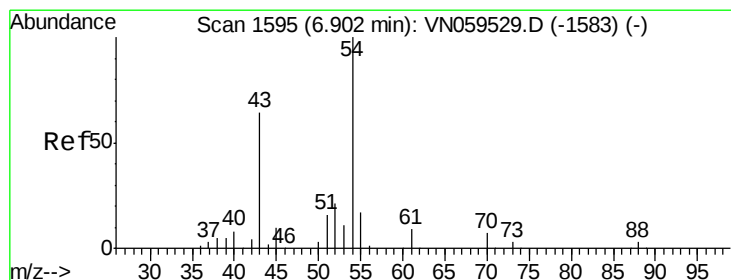
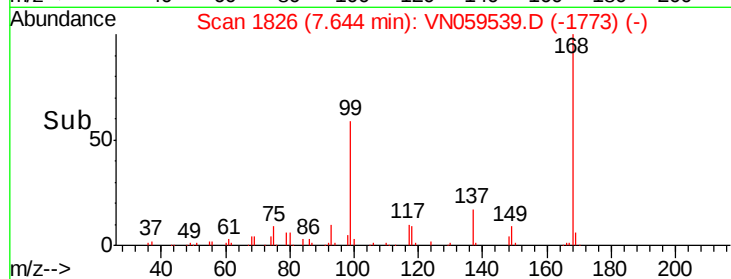
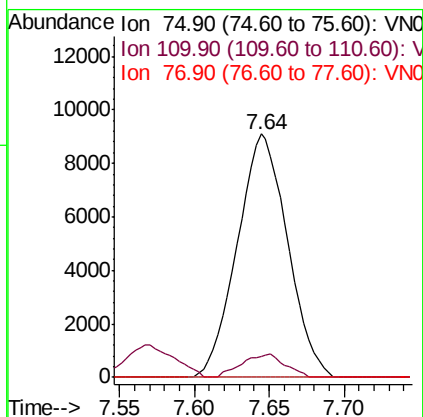
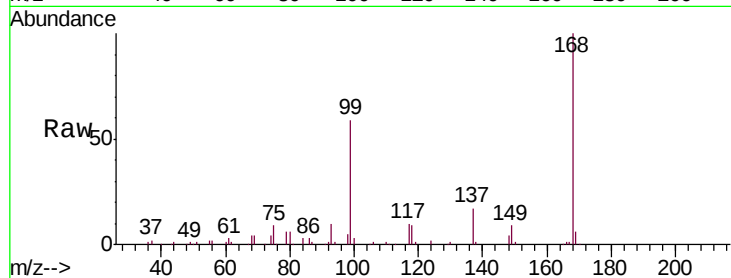




#36
 1,1-Dichloropropene
 Concen: 5.129 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059539.D
 Acq: 10 Dec 2019 12:02

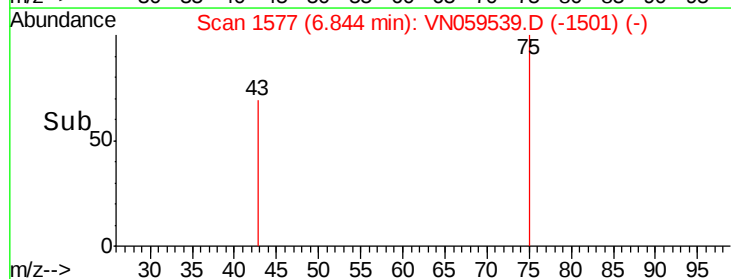
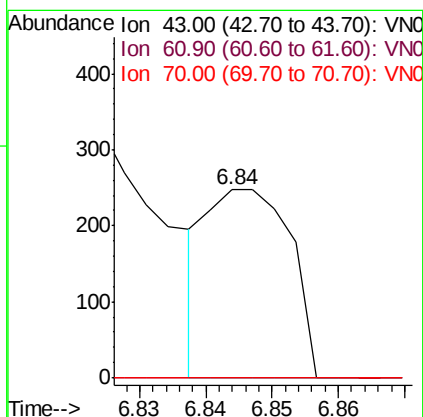
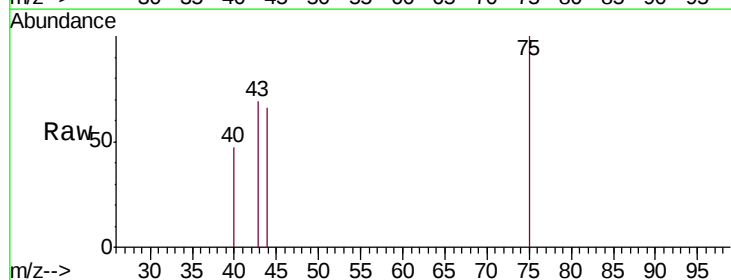
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL01

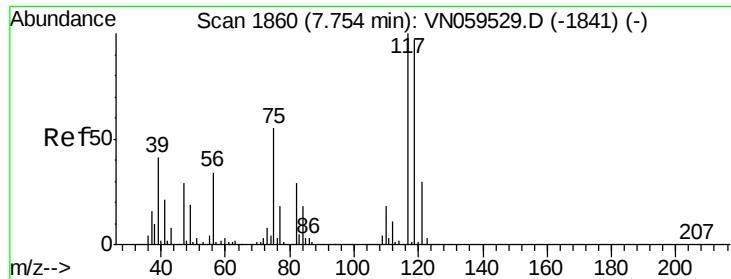
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	16.7	50.0#
77	0.0	24.6	37.0#



#37
 Ethyl Acetate
 Concen: 1.581 ug/l
 RT: 6.84 min Scan# 1577
 Delta R.T. -0.06 min
 Lab File: VN059539.D
 Acq: 10 Dec 2019 12:02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.0	16.6#
70	0.0	7.7	11.5#

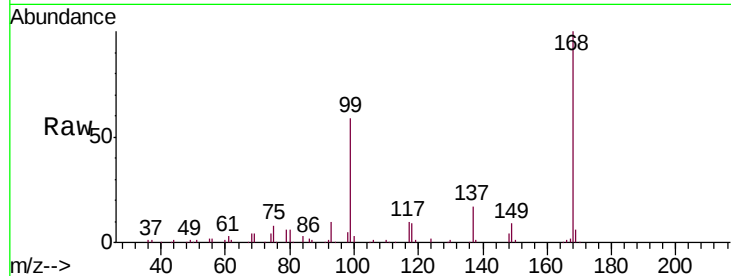




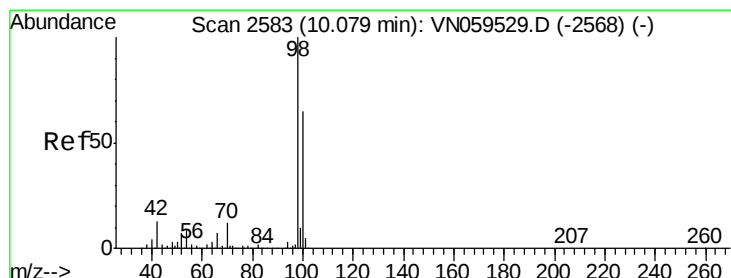
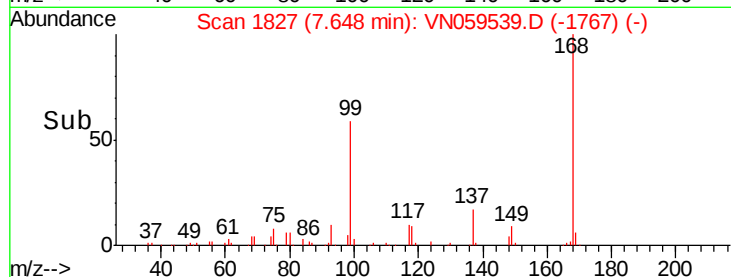
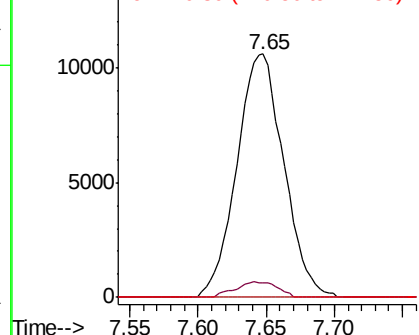
#38
Carbon Tetrachloride
Concen: 6.207 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN059539.D
Acq: 10 Dec 2019 12:02

Instrument :
MSVOA_N
ClientSampled :
VN1210WBL01

Tgt Ion:117 Resp: 25329
Ion Ratio Lower Upper
117 100
119 5.9 77.0 115.4#
121 0.0 24.1 36.1#

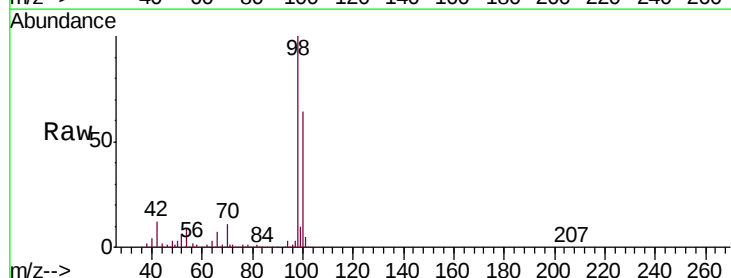


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

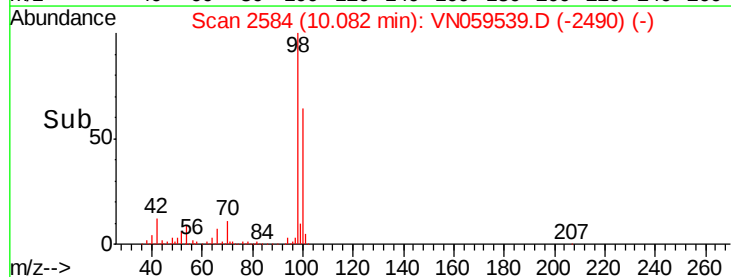
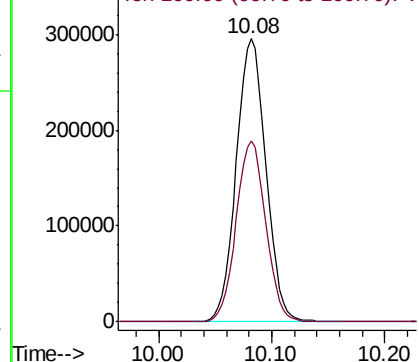


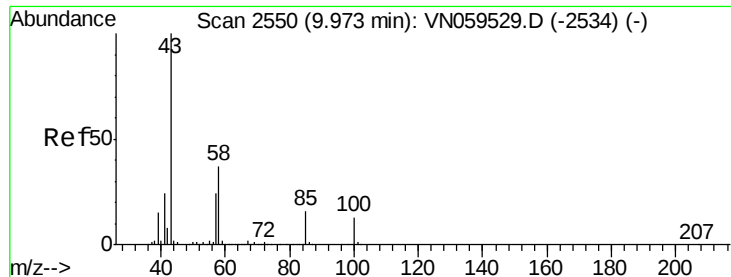
#50
Toluene-d8
Concen: 55.066 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059539.D
Acq: 10 Dec 2019 12:02

Tgt Ion: 98 Resp: 541326
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: Below Cal

RT: 9.98 min Scan# 2553

Delta R.T. 0.01 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

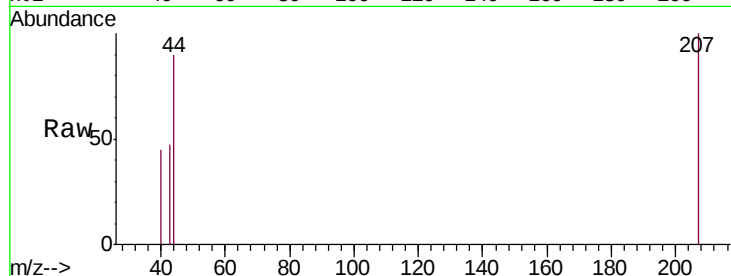
VN1210WBL01

Tgt Ion: 43 Resp: 288

Ion Ratio Lower Upper

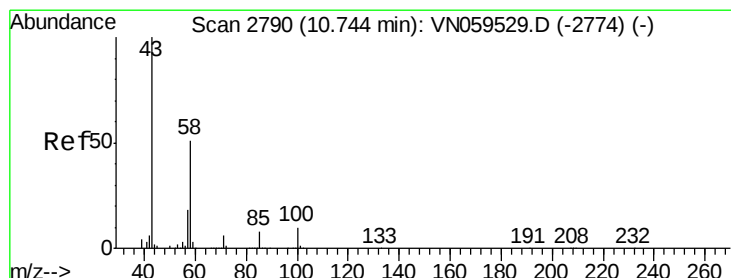
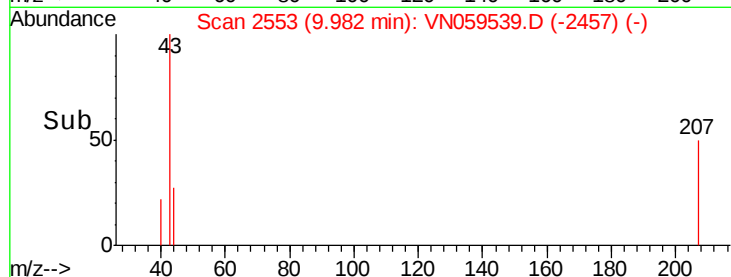
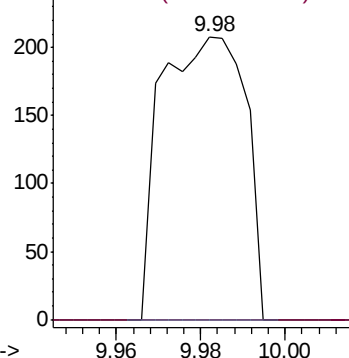
43 100

58 0.0 30.1 45.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 2.316 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059539.D

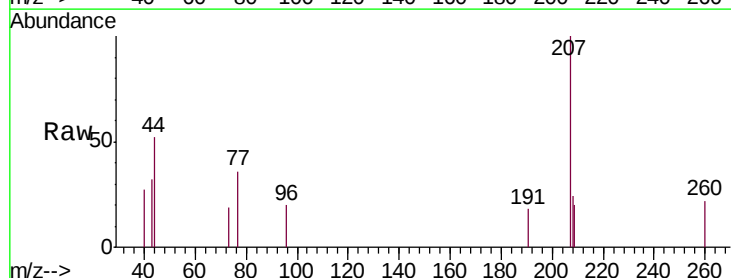
Acq: 10 Dec 2019 12:02

Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

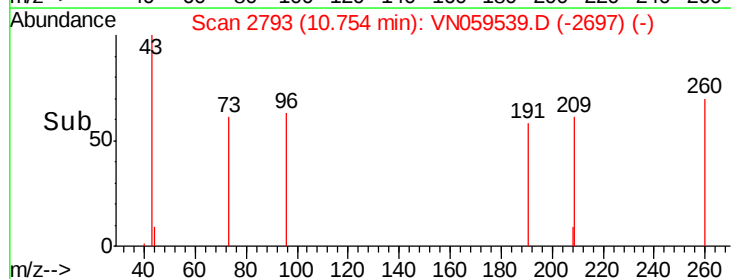
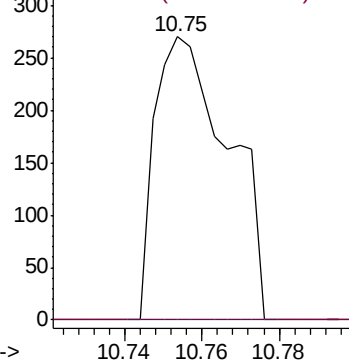
43 100

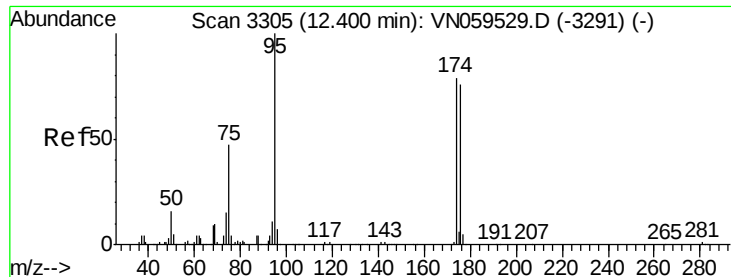
58 0.0 25.9 77.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 55.633 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

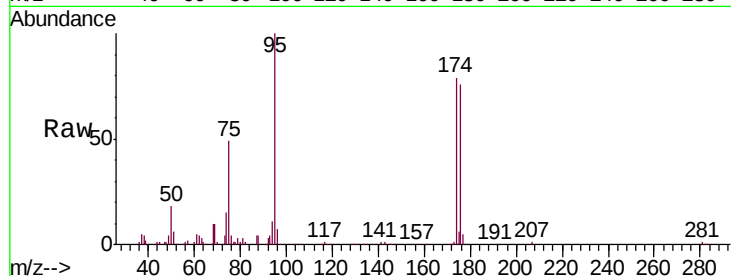
Tgt Ion: 95 Resp: 202444

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.0

176 75.5 0.0 155.4



Abundance Ion 94.90 (94.60 to 95.60): VN059539.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059539.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059539.D (-3291) (-)

12.40

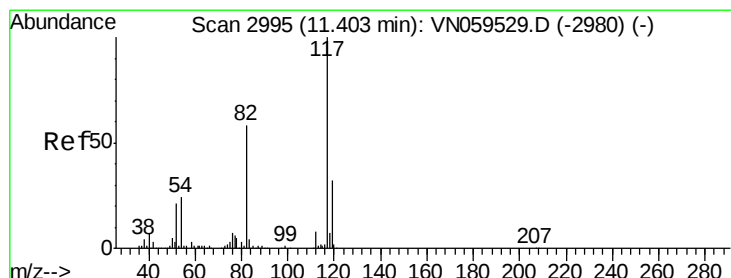
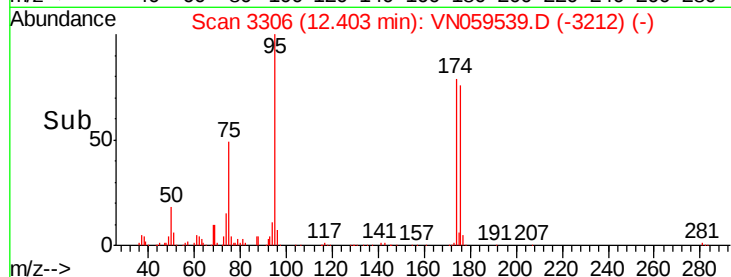
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

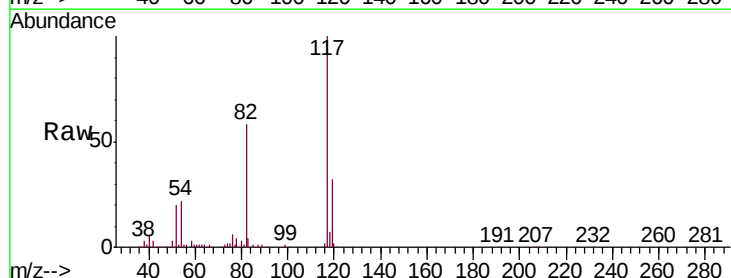
Tgt Ion: 117 Resp: 436177

Ion Ratio Lower Upper

117 100

82 57.5 46.5 69.7

119 31.6 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): VN059539.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN059539.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN059539.D (-2980) (-)

11.40

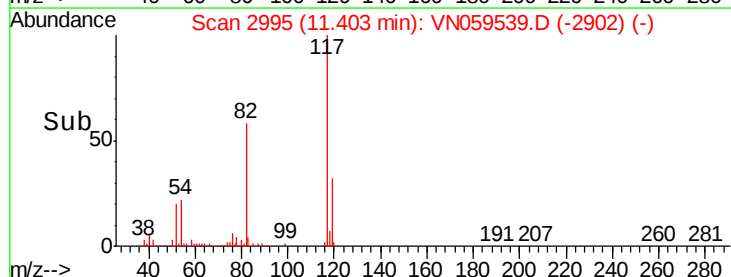
300000

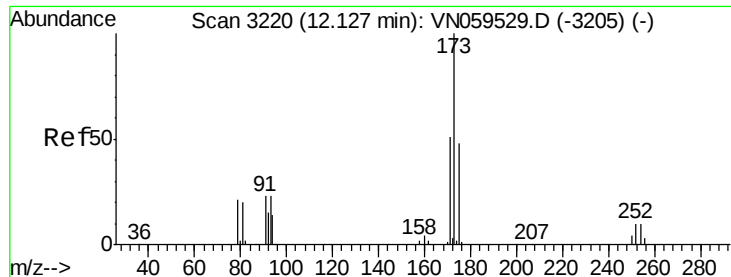
200000

100000

0

Time--> 11.30 11.40 11.50

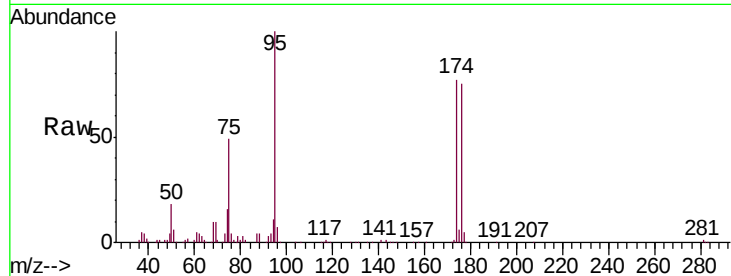




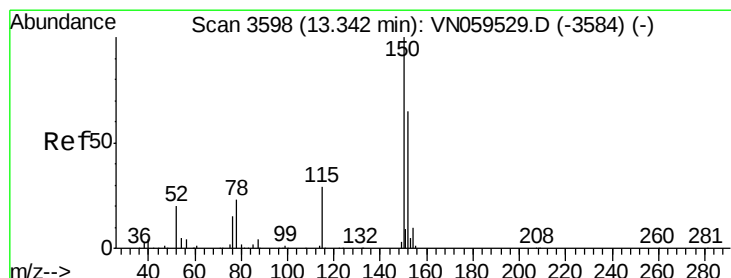
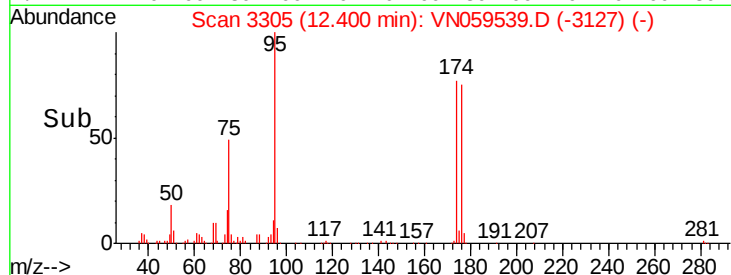
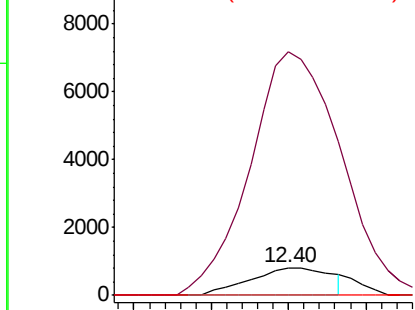
#71
Bromoform
Concen: 0.438 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN059539.D
Acq: 10 Dec 2019 12:02

Instrument :
MSVOA_N
ClientSampleId :
VN1210WBL01

Tgt Ion:173 Resp: 1175
Ion Ratio Lower Upper
173 100
175 870.8 24.1 72.4#
254 0.0 0.0 0.0

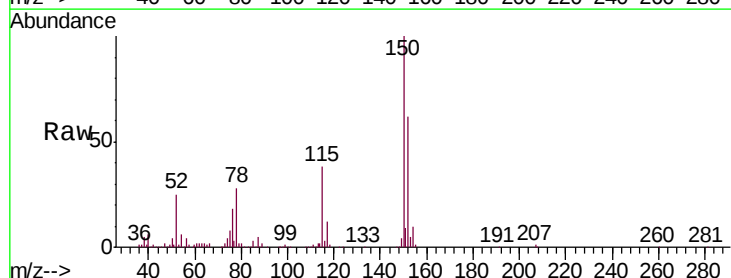


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

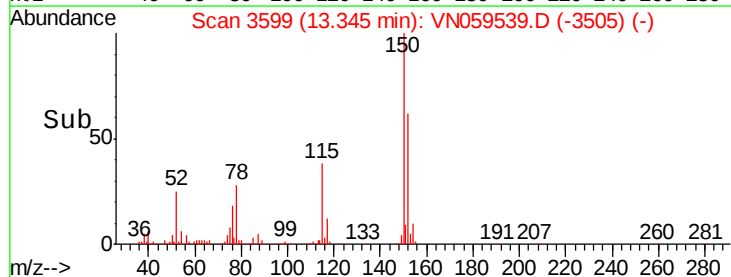
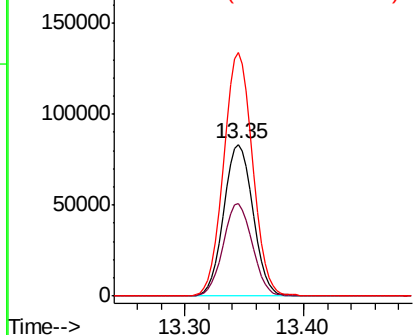


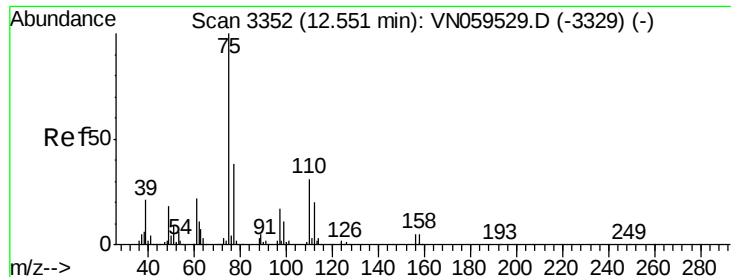
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059539.D
Acq: 10 Dec 2019 12:02

Tgt Ion:152 Resp: 142904
Ion Ratio Lower Upper
152 100
115 60.7 29.4 88.2
150 158.5 0.0 342.4



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

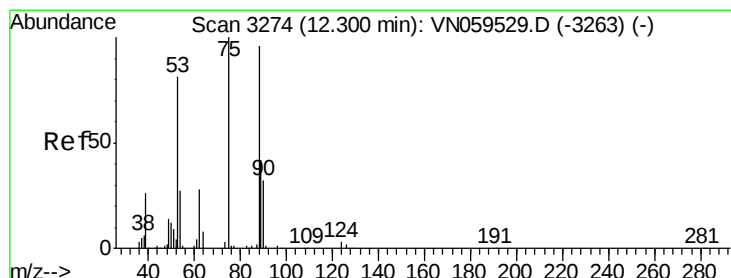
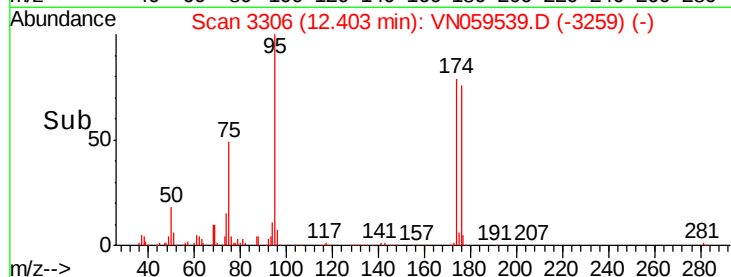
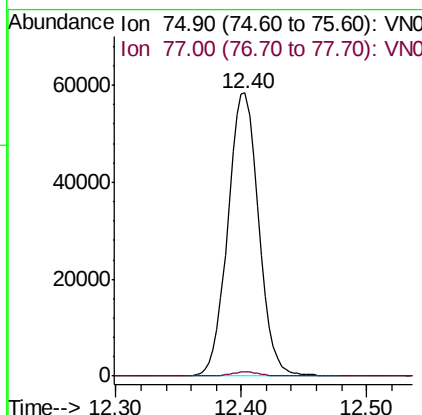
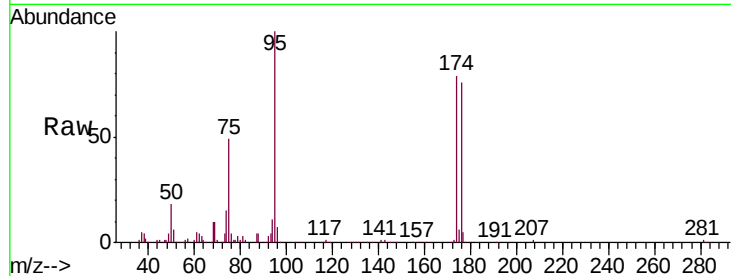




#76
 1,2,3-Trichloropropane
 Concen: 27.275 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.15 min
 Lab File: VN059539.D
 Acq: 10 Dec 2019 12:02

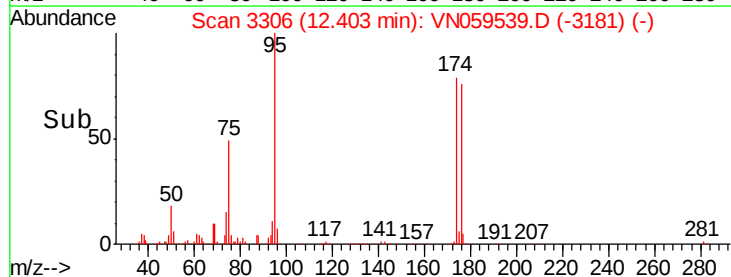
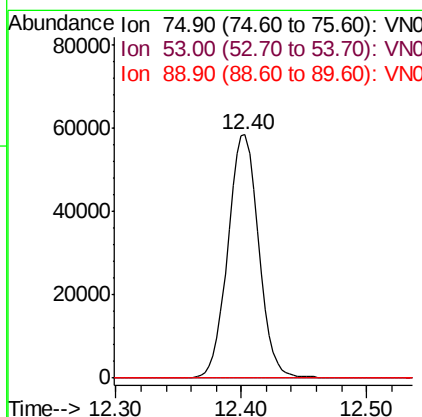
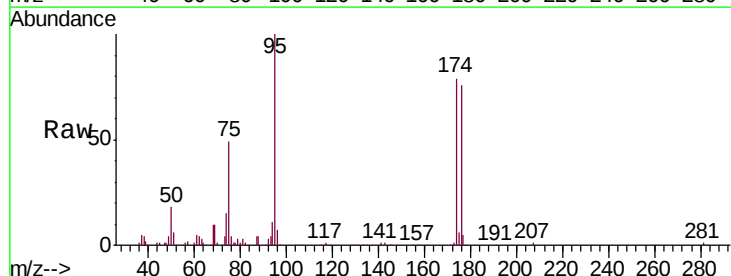
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1210WBL01

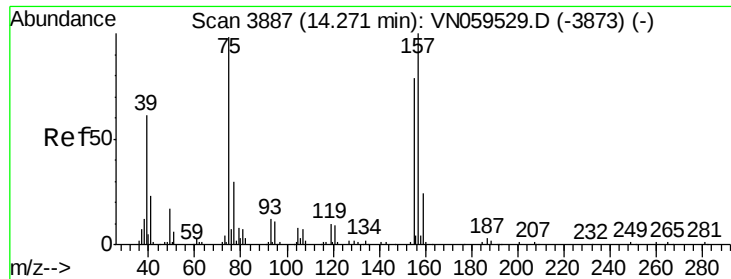
Tgt Ion: 75 Resp: 99675
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.384 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.10 min
 Lab File: VN059539.D
 Acq: 10 Dec 2019 12:02

Tgt Ion: 75 Resp: 99675
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.6#
 89 0.0 35.5 53.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.491 ug/l

RT: 14.26 min Scan# 3882

Delta R.T. -0.02 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

Instrument :

MSVOA_N

ClientSampleId :

VN1210WBL01

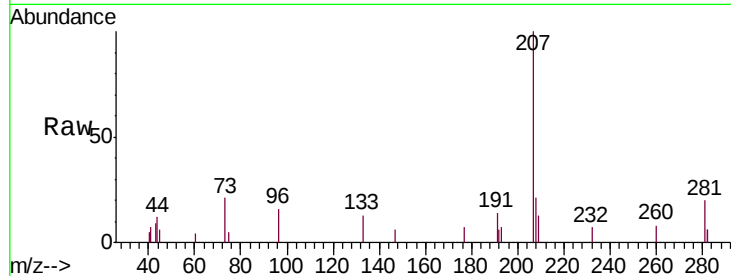
Tgt Ion: 75 Resp: 357

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.1#

157 0.0 51.1 153.3#



Abundance Ion 74.90 (74.60 to 75.60): VN059539.D (-3873) (-)

Ion 154.80 (154.50 to 155.50): VN059539.D (-3873) (-)

Ion 156.80 (156.50 to 157.50): VN059539.D (-3873) (-)

14.26

14.22

14.24

14.26

14.28

14.30

14.32

14.34

14.36

14.38

14.40

14.42

14.44

14.46

14.48

14.50

14.52

14.54

14.56

14.58

14.60

14.62

14.64

14.66

14.68

14.70

14.72

14.74

14.76

14.78

14.80

14.82

14.84

14.86

14.88

14.90

14.92

14.94

14.96

14.98

15.00

15.02

15.04

15.06

15.08

15.10

15.12

15.14

15.16

15.18

15.20

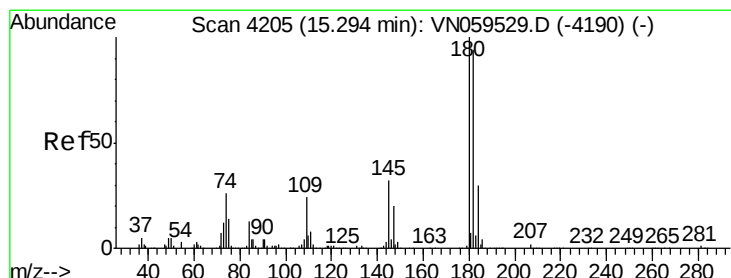
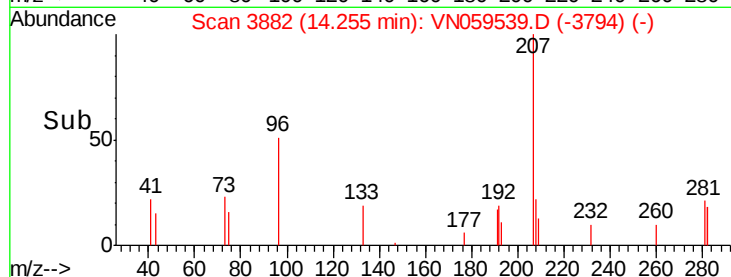
15.22

15.24

15.26

15.28

15.30



#96

1,2,3-Trichlorobenzene

Concen: 2.643 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059539.D

Acq: 10 Dec 2019 12:02

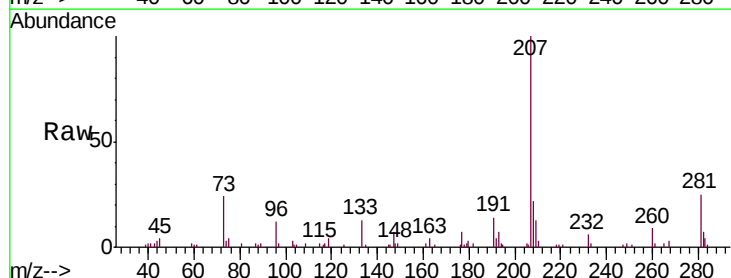
Tgt Ion: 180 Resp: 760

Ion Ratio Lower Upper

180 100

182 60.9 47.1 141.4

145 24.6 15.8 47.4



Abundance Ion 179.80 (179.50 to 180.50): VN059539.D (-4190) (-)

Ion 181.80 (181.50 to 182.50): VN059539.D (-4190) (-)

Ion 144.90 (144.60 to 145.60): VN059539.D (-4190) (-)

15.30

15.25

15.27

15.29

15.31

15.33

15.35

15.37

15.39

15.41

15.43

15.45

15.47

15.49

15.51

15.53

15.55

15.57

15.59

15.61

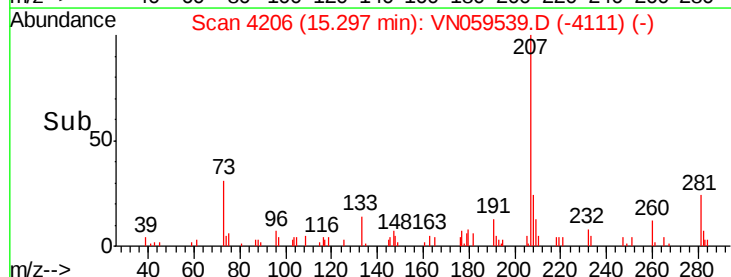
15.63

15.65

15.67

15.69

15.71



Time-->