

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030420\
 Data File : VN060339.D
 Acq On : 4 Mar 2020 10:52
 Operator : JC/MD
 Sample : VN0304WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBL01

Quant Time: Mar 05 05:07:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	337060	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134707	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	135921	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.56	113	96585	61.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.46%	
50) Toluene-d8	10.08	98	389477	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
62) 4-Bromofluorobenzene	12.40	95	139901	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

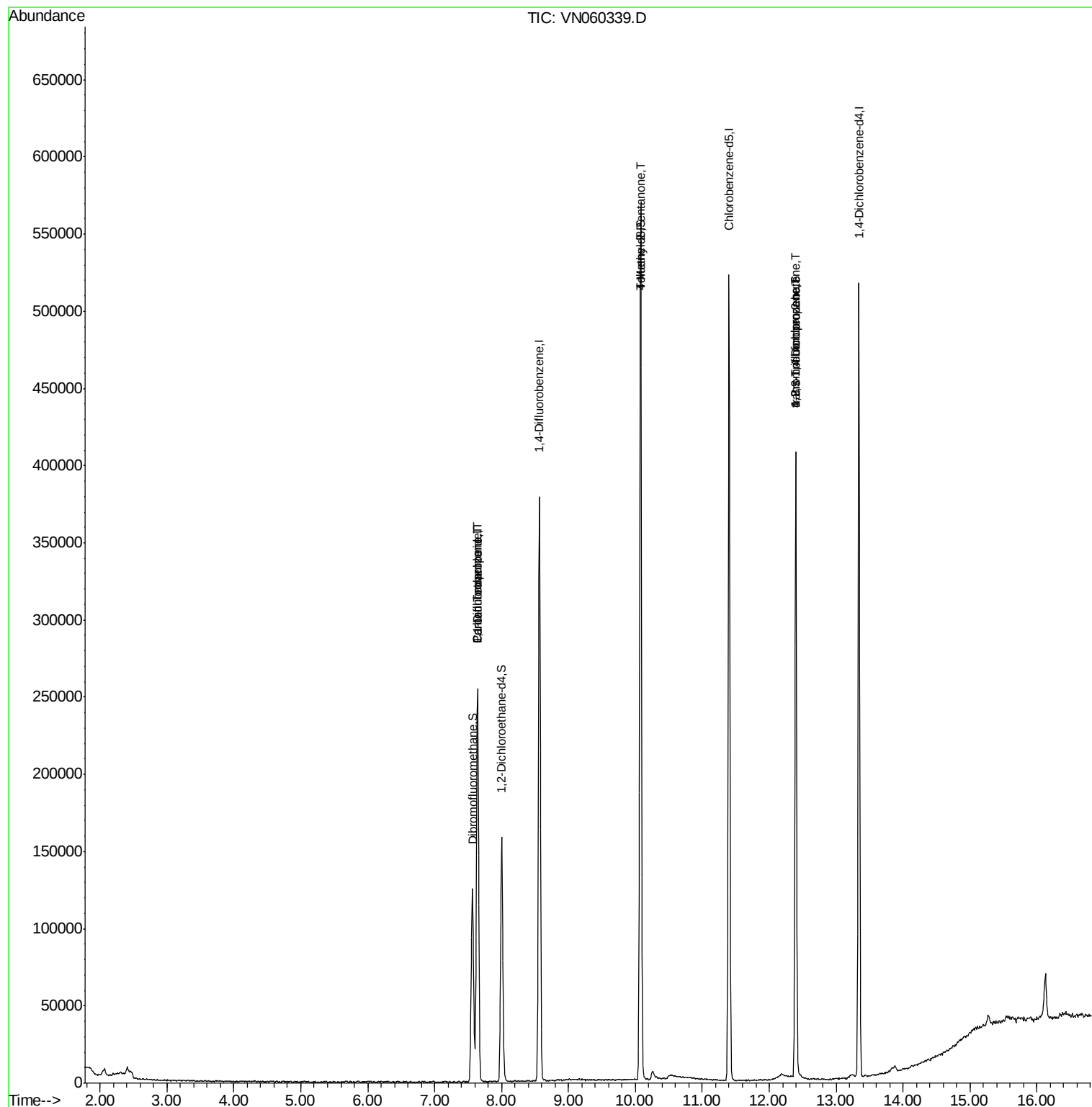
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.77	96	61	Below Cal	#	1
17) Carbon Disulfide	4.03	76	61	Below Cal	#	75
31) Cyclohexane	7.64	56	4264	Below Cal	#	6
36) 1,1-Dichloropropene	7.64	75	15844	4.932	ug/l #	45
38) Carbon Tetrachloride	7.64	117	20323	6.498	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	1794	0.594	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	71047	24.039	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	71047	66.359	ug/l #	8
95) Naphthalene	15.13	128	434	Below Cal	#	69

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

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

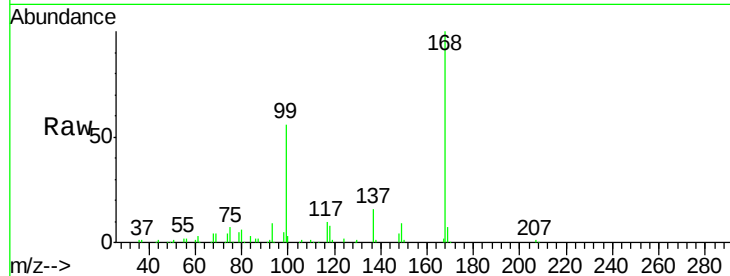
VN0304WBL01

Tgt Ion:168 Resp: 208209

Ion Ratio Lower Upper

168 100

99 55.9 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

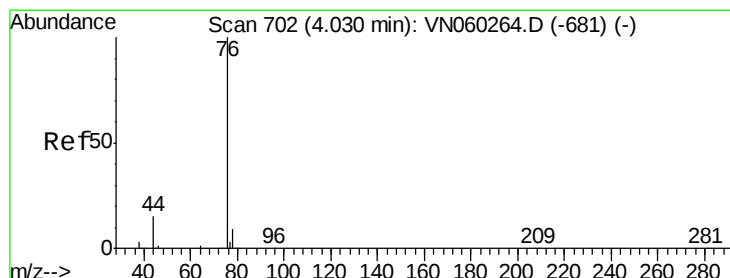
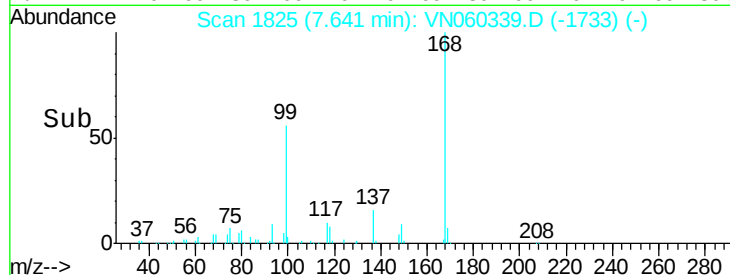
40000

20000

0

7.60 7.70

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060339.D

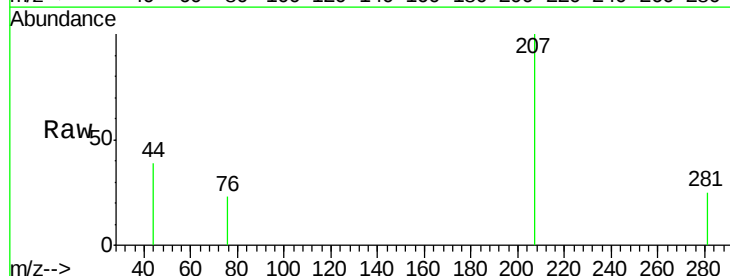
Acq: 4 Mar 2020 10:52

Tgt Ion: 76 Resp: 61

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN

Ion 77.90 (77.60 to 78.60): VN

4.03

150

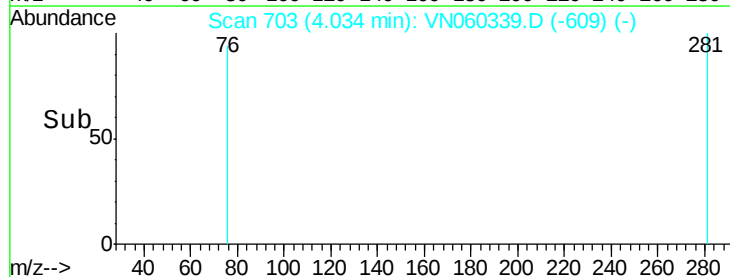
100

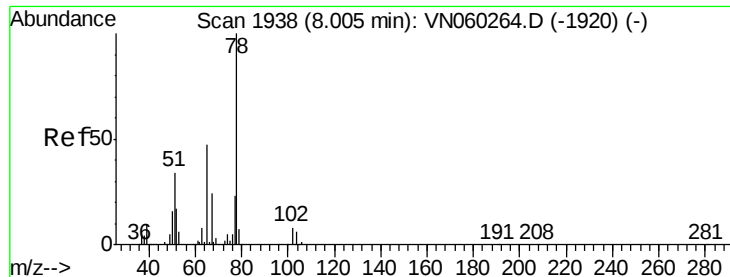
50

0

4.02 4.03 4.04

Time-->

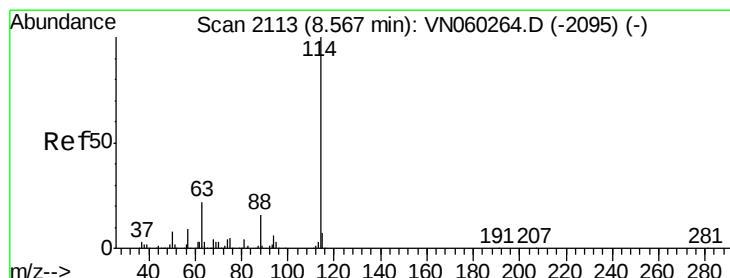
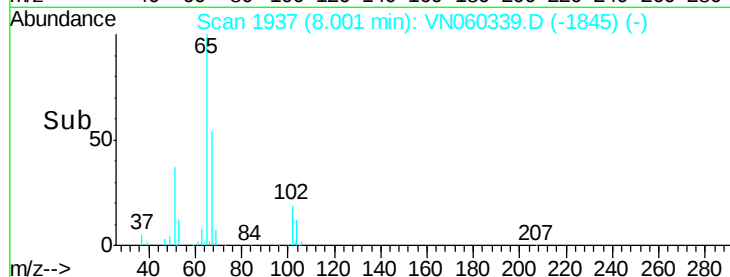
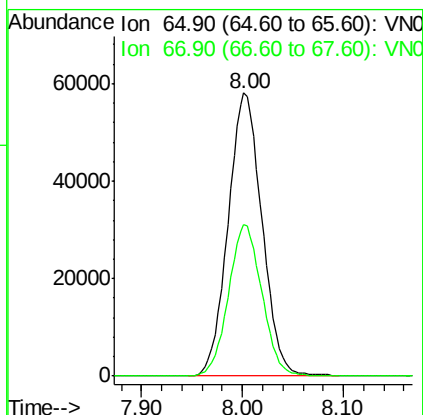
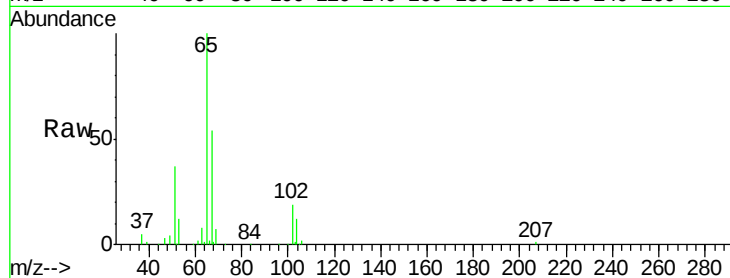




#33
 1,2-Dichloroethane-d4
 Concen: 50.881 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060339.D
 Acq: 4 Mar 2020 10:52

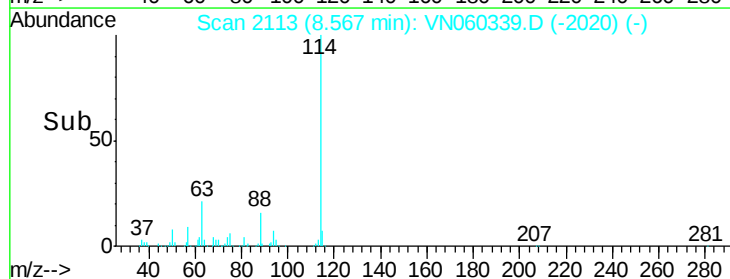
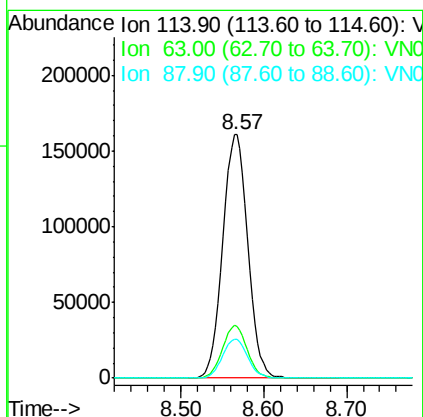
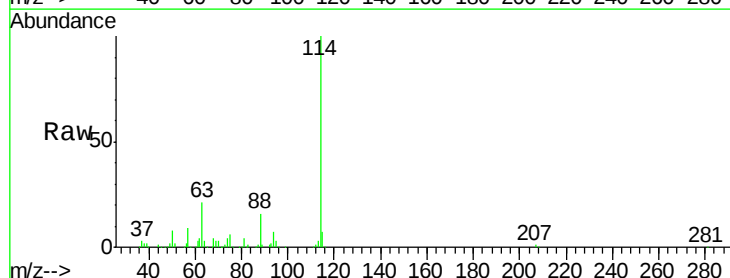
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0304WBL01

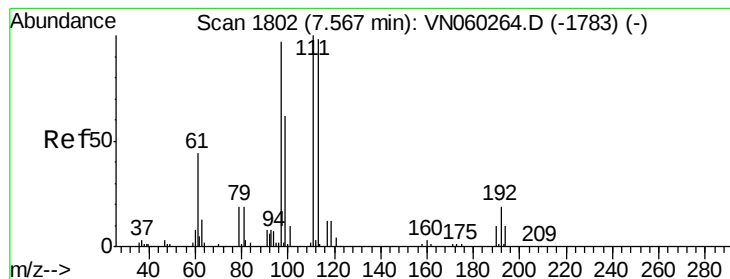
Tgt Ion: 65 Resp: 135921
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060339.D
 Acq: 4 Mar 2020 10:52

Tgt Ion: 114 Resp: 337060
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 43.2
 88 15.8 0.0 31.6





#35

Dibromofluoromethane

Concen: 61.734 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

Instrument :

MSVOA_N

ClientSampled :

VN0304WBL01

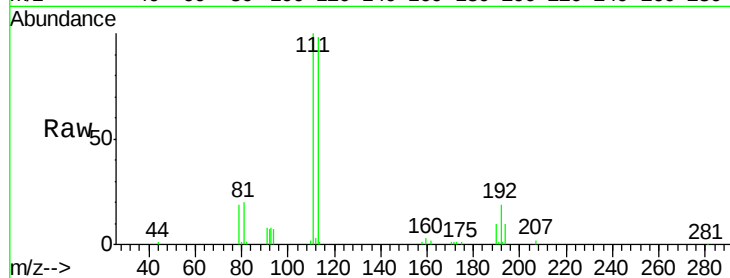
Tgt Ion:113 Resp: 96585

Ion Ratio Lower Upper

113 100

111 104.2 82.4 123.6

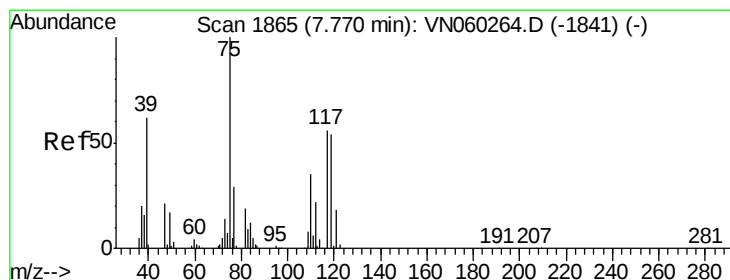
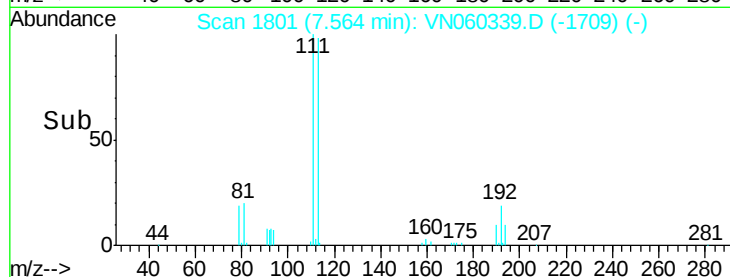
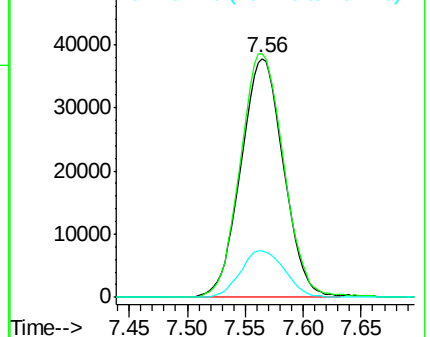
192 20.1 16.2 24.2



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: 4.932 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

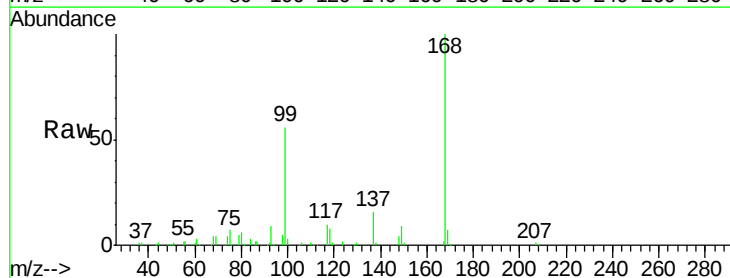
Tgt Ion: 75 Resp: 15844

Ion Ratio Lower Upper

75 100

110 3.6 17.3 52.0#

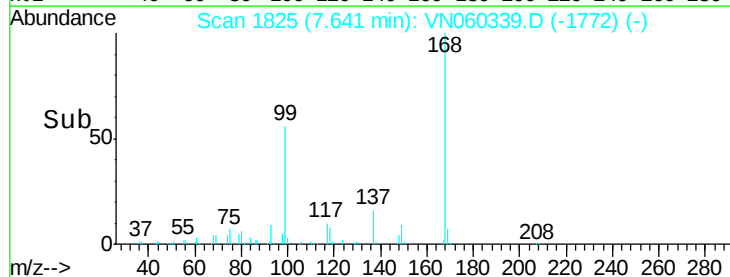
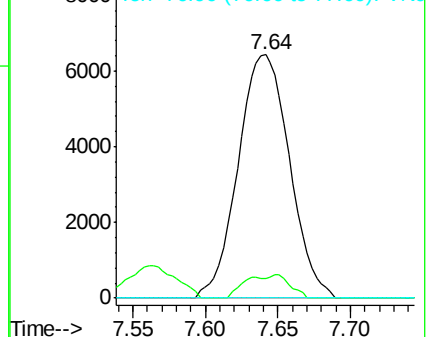
77 0.0 24.2 36.2#

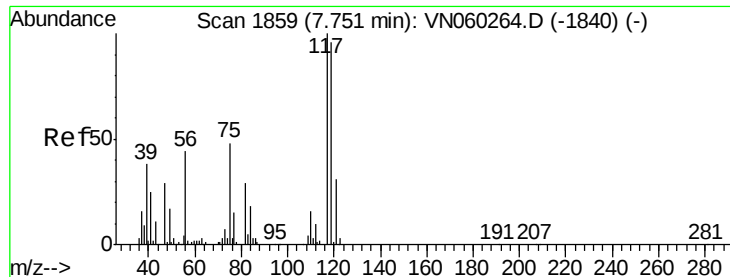


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.498 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

Instrument :

MSVOA_N

ClientSampled :

VN0304WBL01

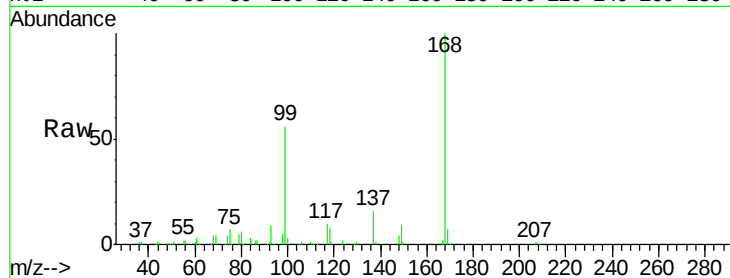
Tgt Ion:117 Resp: 20323

Ion Ratio Lower Upper

117 100

119 6.0 76.7 115.1#

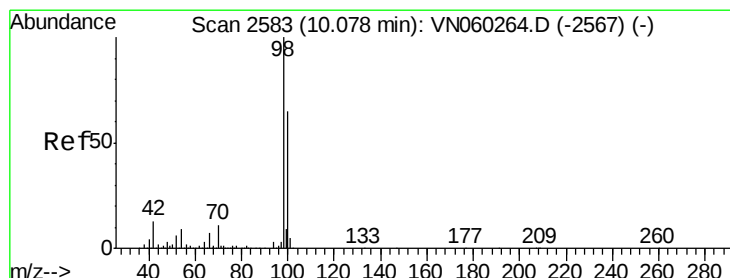
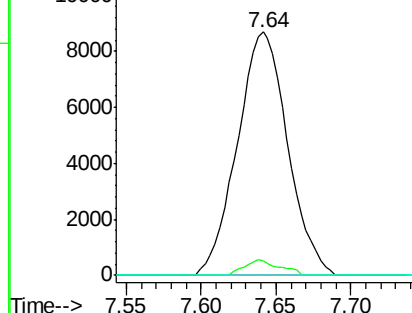
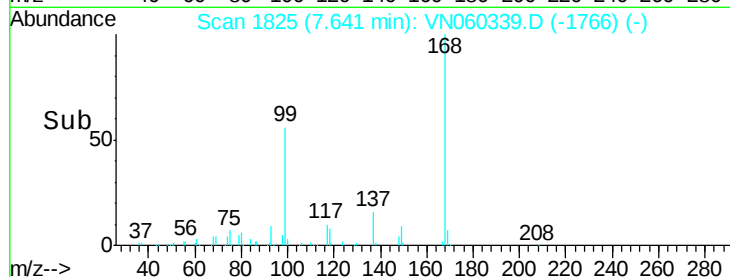
121 0.0 24.5 36.7#



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: 49.187 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060339.D

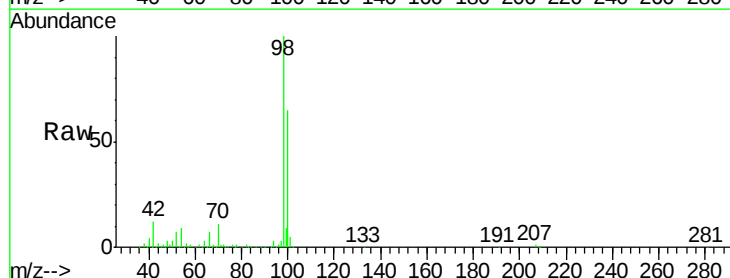
Acq: 4 Mar 2020 10:52

Tgt Ion: 98 Resp: 389477

Ion Ratio Lower Upper

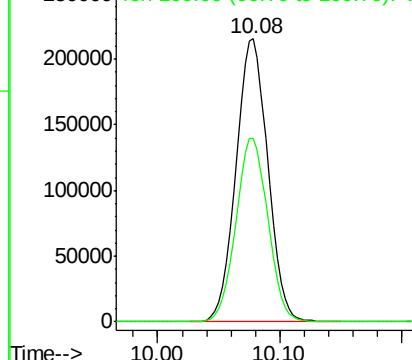
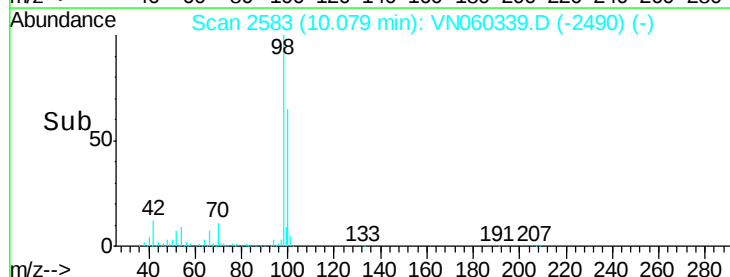
98 100

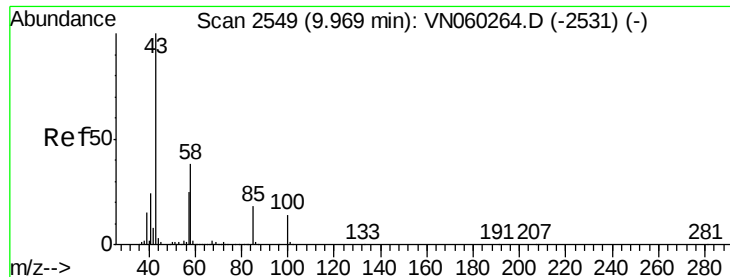
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.594 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

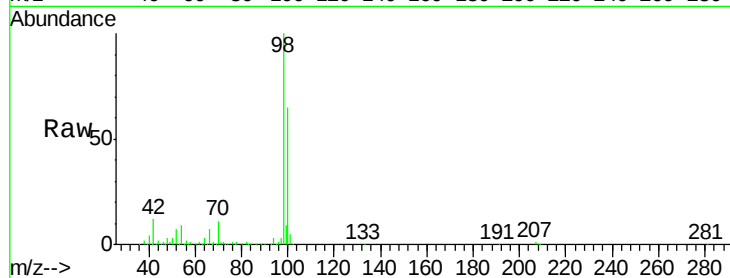
VN0304WBL01

Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

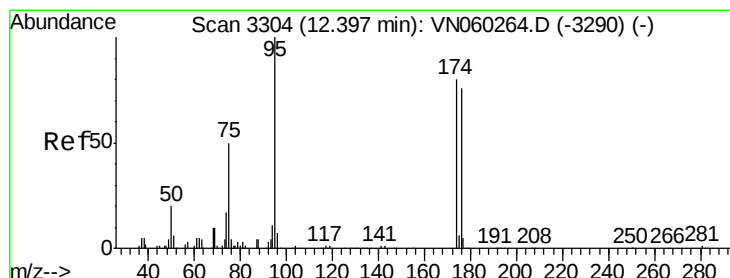
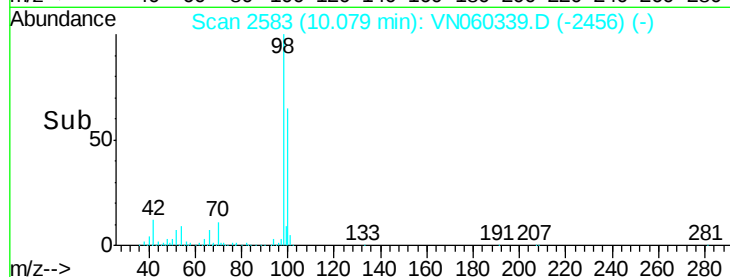
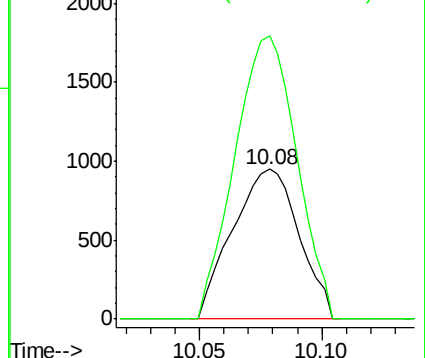
43 100

58 175.8 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 46.609 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

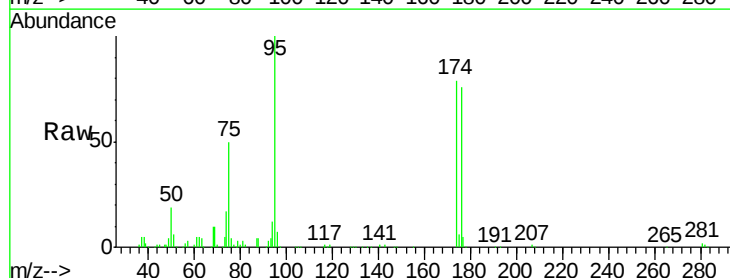
Tgt Ion: 95 Resp: 139901

Ion Ratio Lower Upper

95 100

174 80.1 0.0 159.2

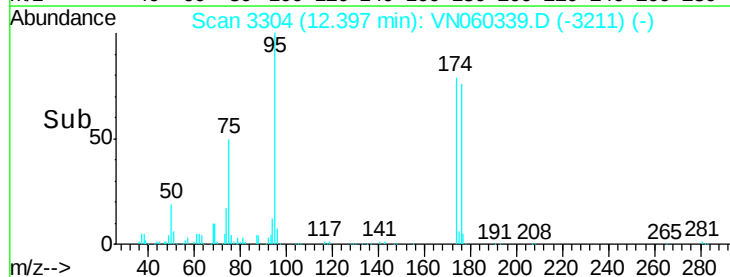
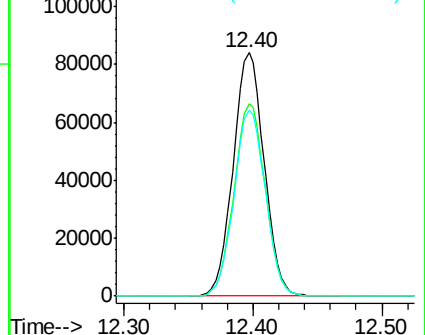
176 77.4 0.0 153.8

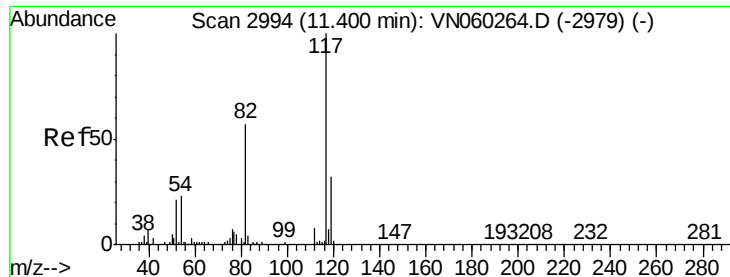


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

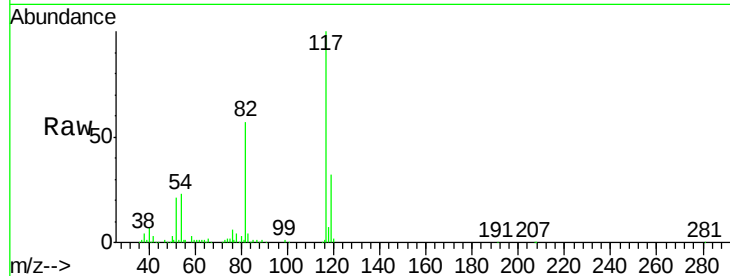




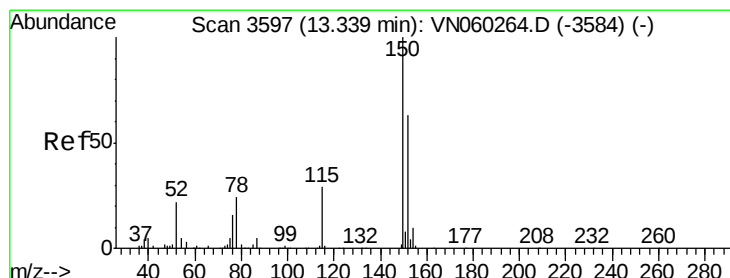
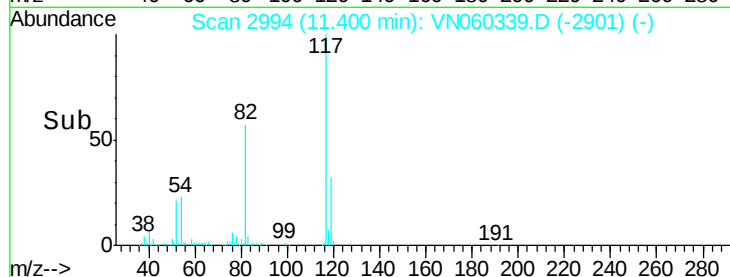
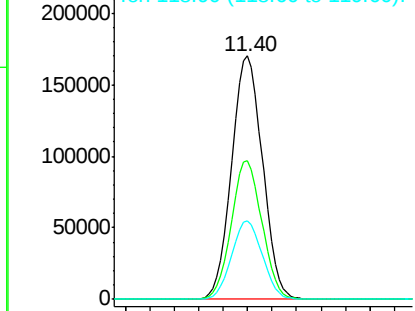
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060339.D
Acq: 4 Mar 2020 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBL01

Tgt Ion:117 Resp: 300716
Ion Ratio Lower Upper
117 100
82 57.0 45.8 68.6
119 32.5 25.8 38.8

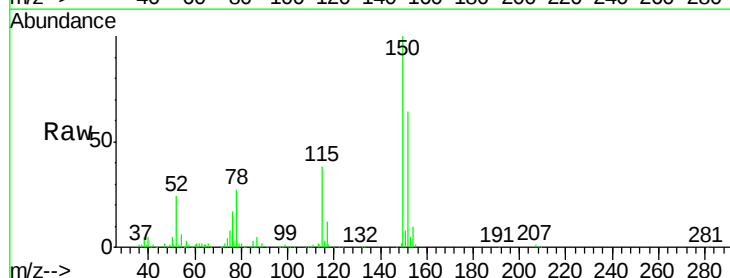


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

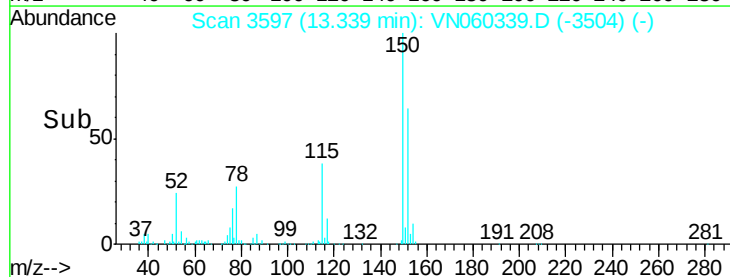
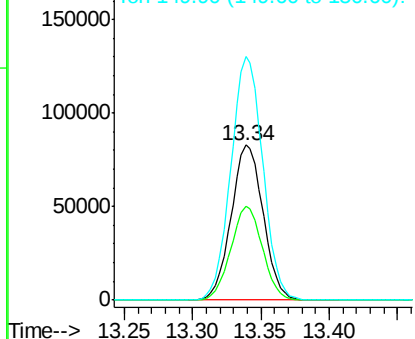


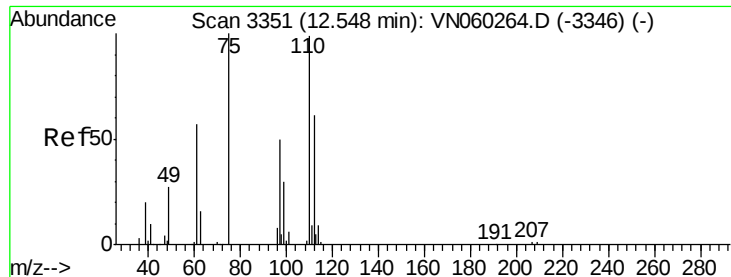
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060339.D
Acq: 4 Mar 2020 10:52

Tgt Ion:152 Resp: 134707
Ion Ratio Lower Upper
152 100
115 59.9 30.0 90.0
150 157.1 0.0 349.6



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: 24.039 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

Instrument :

MSVOA_N

ClientSampleId :

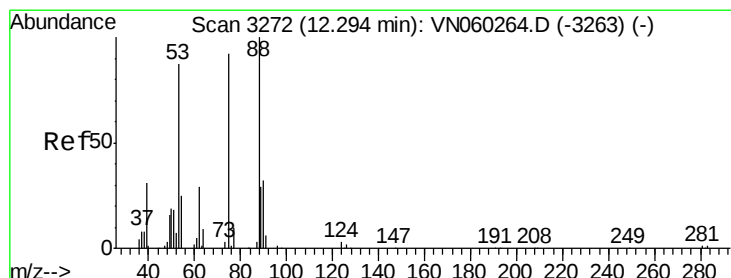
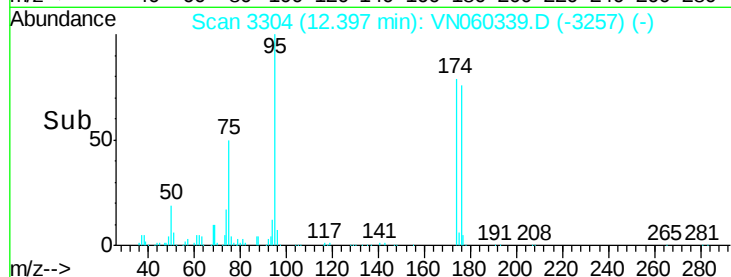
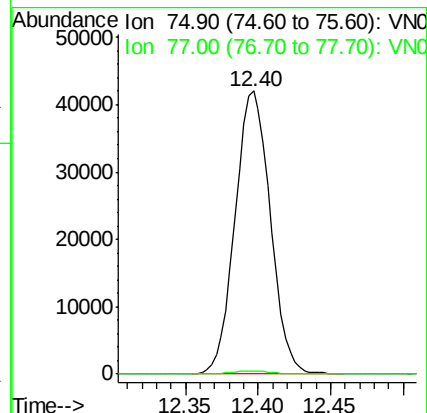
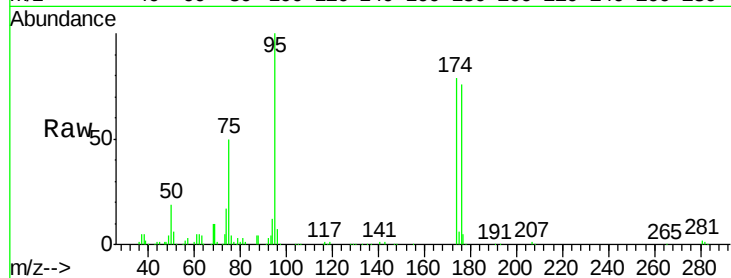
VN0304WBL01

Tgt Ion: 75 Resp: 71047

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.359 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060339.D

Acq: 4 Mar 2020 10:52

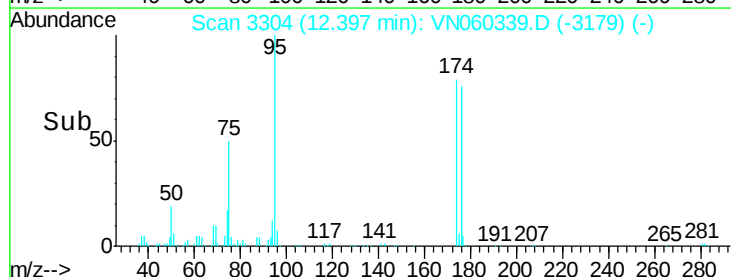
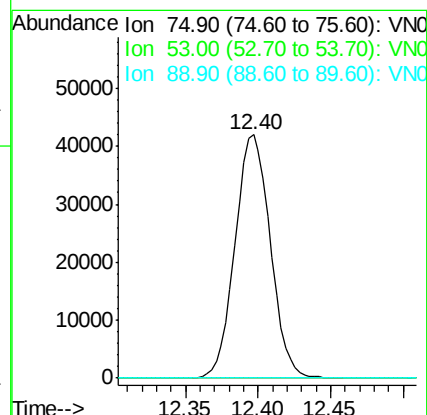
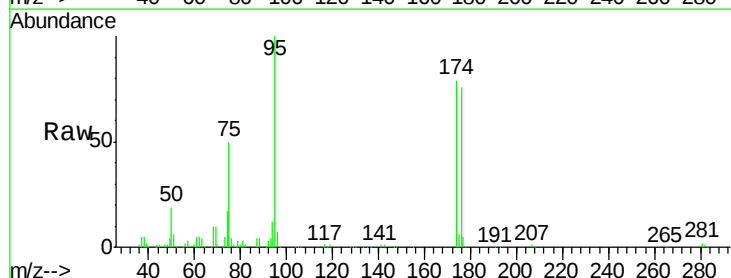
Tgt Ion: 75 Resp: 71047

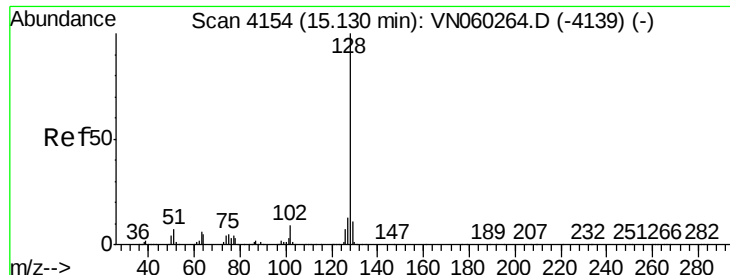
Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#

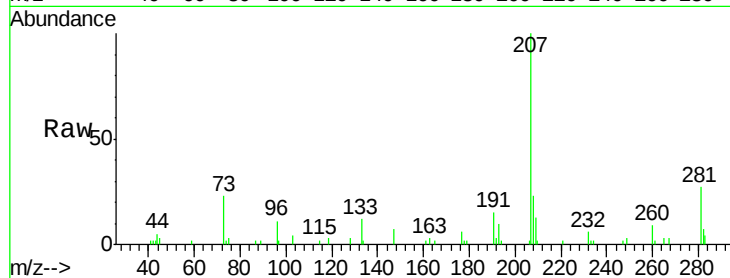




#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060339.D
Acq: 4 Mar 2020 10:52

Instrument :
MSVOA_N
ClientSampleId :
VN0304WBL01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	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

