

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
 Data File : VN053704.D
 Acq On : 11 Feb 2019 15:00
 Operator : JC/SP
 Sample : K1442-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-12

Quant Time: Feb 11 22:09:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	749343	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1216214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1118668	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	452906	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	392296	52.19	ug/l	0.00
Spiked Amount			Recovery	=	104.38%	
35) Dibromofluoromethane	7.59	113	389869	50.73	ug/l	0.00
Spiked Amount			Recovery	=	101.46%	
50) Toluene-d8	10.09	98	1485977	51.50	ug/l	0.00
Spiked Amount			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	487472	50.65	ug/l	0.00
Spiked Amount			Recovery	=	101.30%	

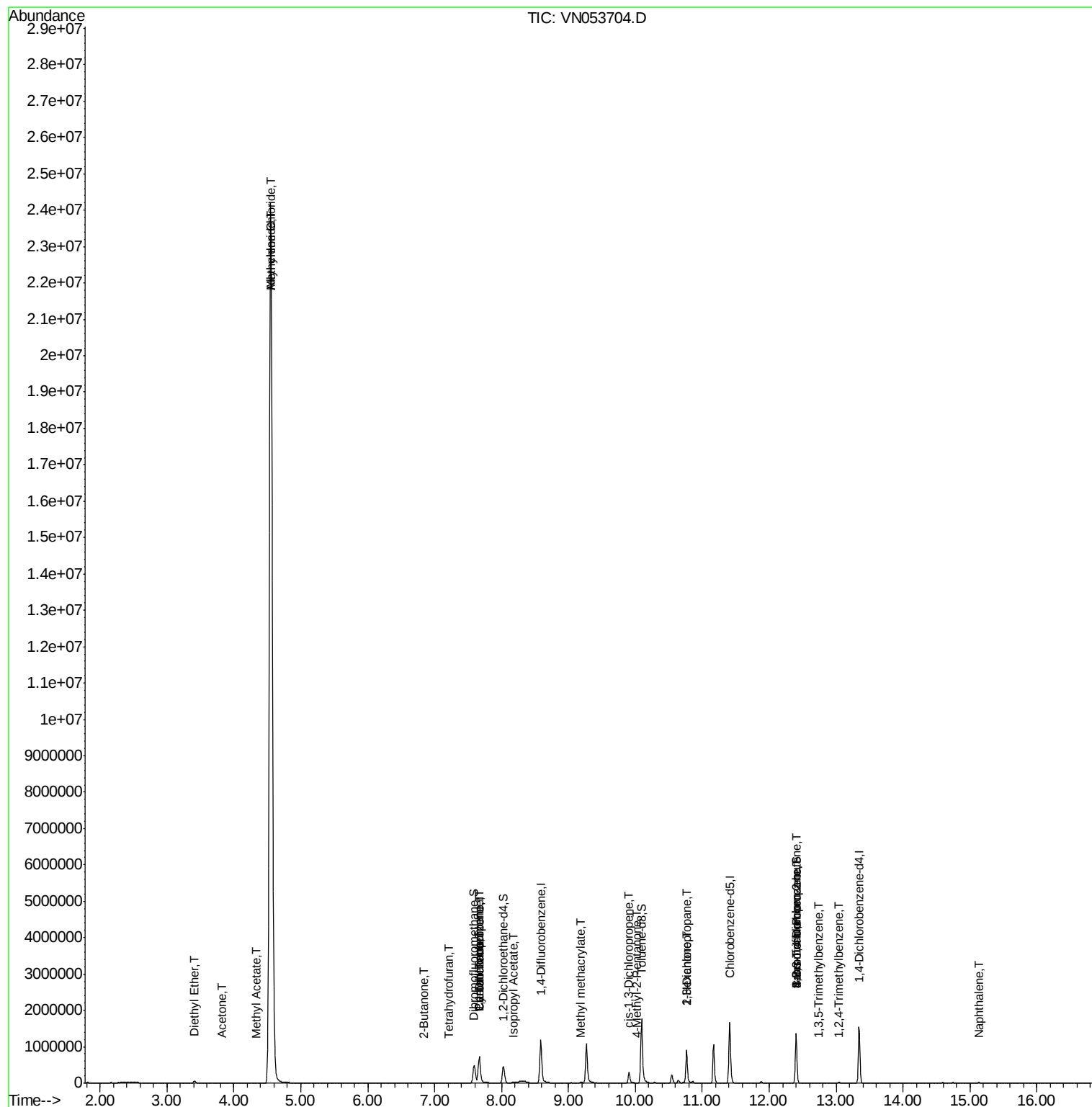
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	30875	7.219	ug/l	98
14) Allyl chloride	4.55	41	719243	65.099	ug/l #	27
16) Acetone	3.82	43	18257	9.468	ug/l	100
18) Methyl Acetate	4.34	43	3569	0.625	ug/l #	51
20) Methylene Chloride	4.55	84	19613258	2424.482	ug/l	99
25) 2-Butanone	6.83	43	1396	0.508	ug/l	96
29) Tetrahydrofuran	7.22	42	851	0.482	ug/l #	33
31) Cyclohexane	7.66	56	10932	0.693	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	44921	4.097	ug/l #	49
38) Carbon Tetrachloride	7.67	117	59743	5.409	ug/l #	16
43) Isopropyl Acetate	8.17	43	36136	3.056	ug/l #	75
48) Methyl methacrylate	9.18	41	9188	1.628	ug/l #	12
51) 4-Methyl-2-Pentanone	10.02	43	7144	1.229	ug/l #	34
54) cis-1,3-Dichloropropene	9.90	75	64530	5.018	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	10643	0.861	ug/l #	43
59) 2-Hexanone	10.76	43	136725	34.659	ug/l #	49
71) Bromoform	12.40	173	2289	0.402	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	225148	38.703	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5549	0.210	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	225148	108.830	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	13742	0.511	ug/l	95
95) Naphthalene	15.13	128	9235	2.184	ug/l	99

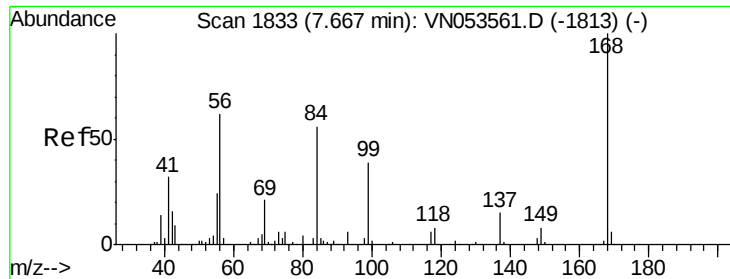
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021119\
Data File : VN053704.D
Acq On : 11 Feb 2019 15:00
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Quant Time: Feb 11 22:09:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

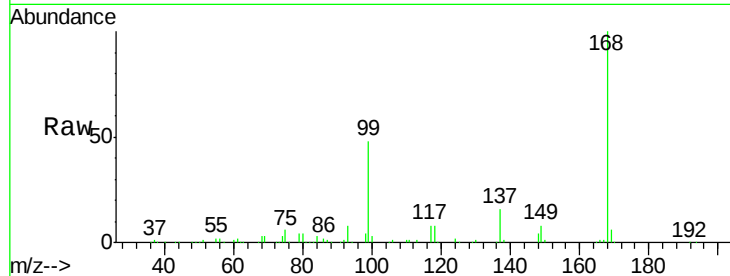
COMP-12

Tot Ion:168 Resp: 749343

Ion Ratio Lower Upper

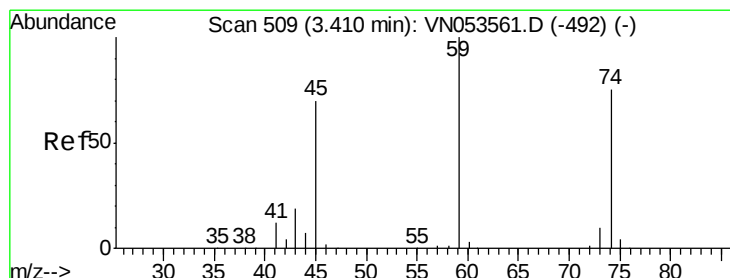
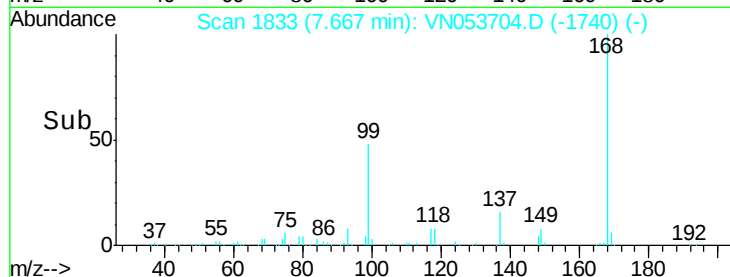
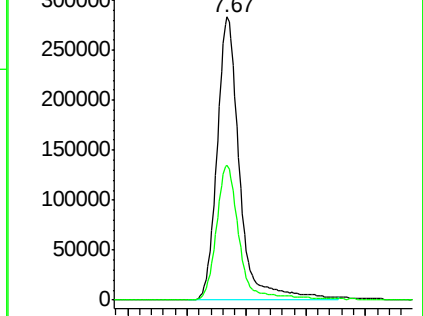
168 100

99 47.8 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#8

Diethyl Ether

Concen: 7.219 ug/l

RT: 3.41 min Scan# 510

Delta R.T. 0.00 min

Lab File: VN053704.D

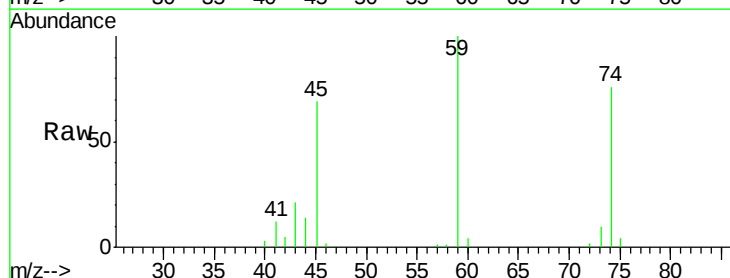
Acq: 11 Feb 2019 15:00

Tgt Ion: 74 Resp: 30875

Ion Ratio Lower Upper

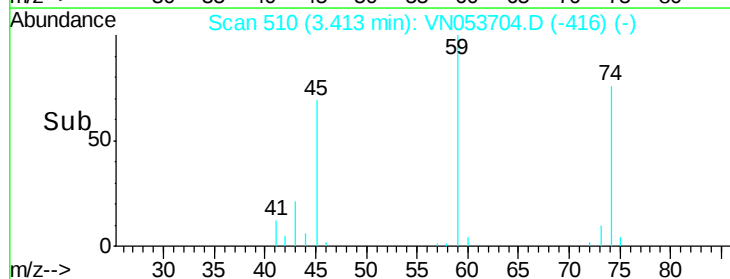
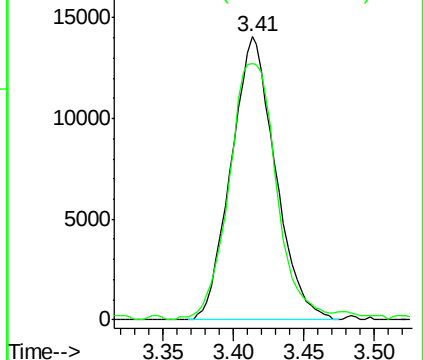
74 100

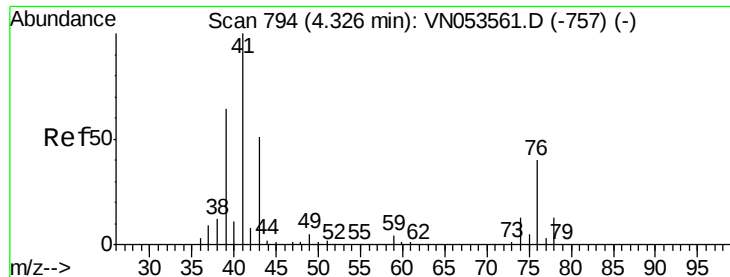
45 97.4 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

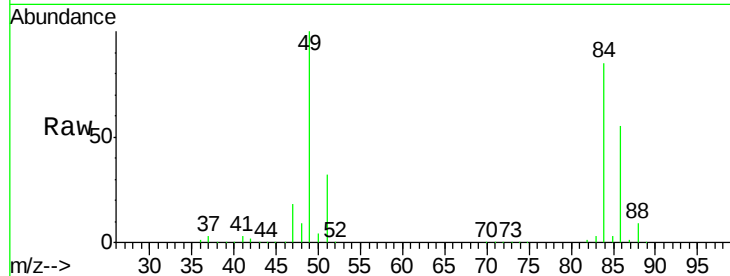




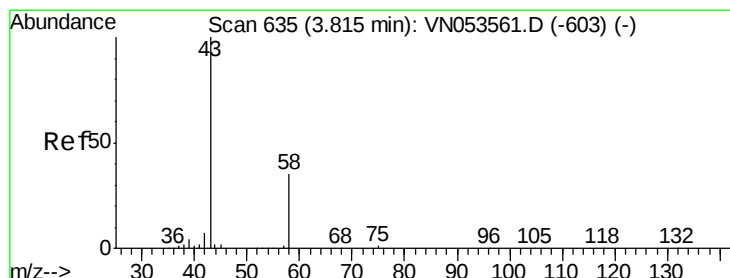
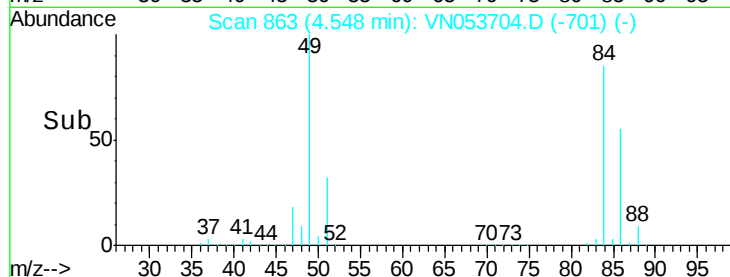
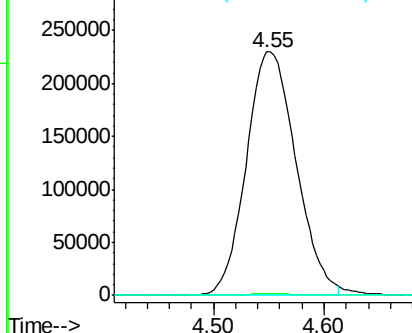
#14
Allvl chloride
Concen: 65.099 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.22 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

Instrument :
MSVOA_N
ClientSampled :
COMP-12

Tot Ion: 41 Resp: 719243
Ion Ratio Lower Upper
41 100
39 0.7 48.9 73.3#
76 0.0 29.4 44.2#

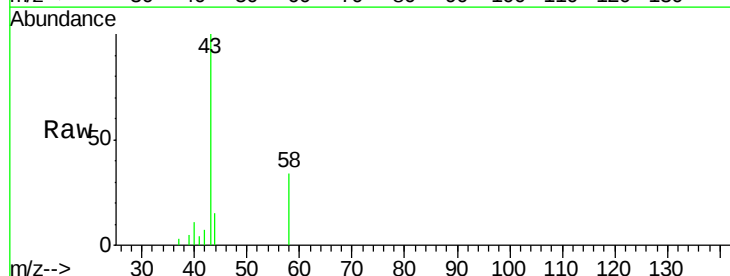


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO

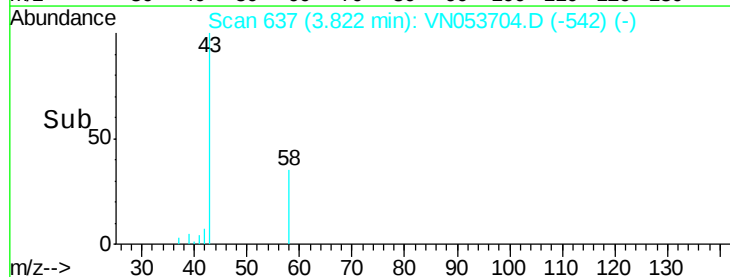
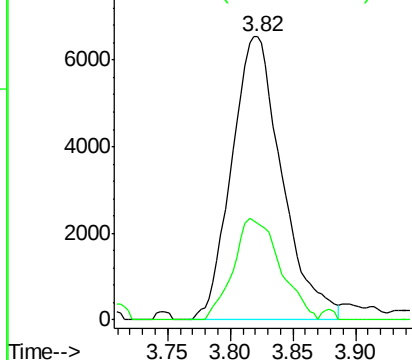


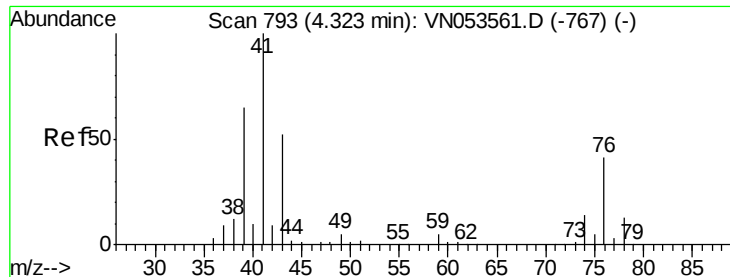
#16
Acetone
Concen: 9.468 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

Tgt Ion: 43 Resp: 18257
Ion Ratio Lower Upper
43 100
58 34.1 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

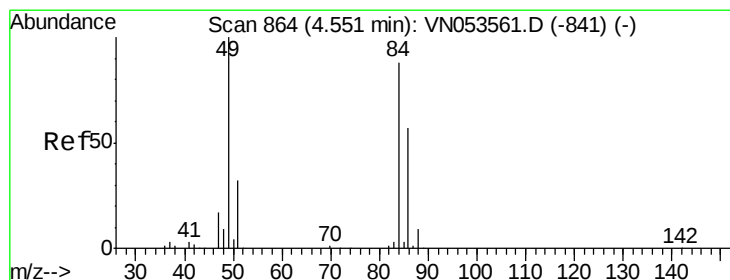
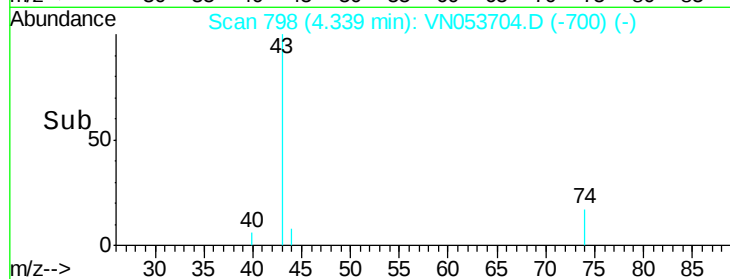
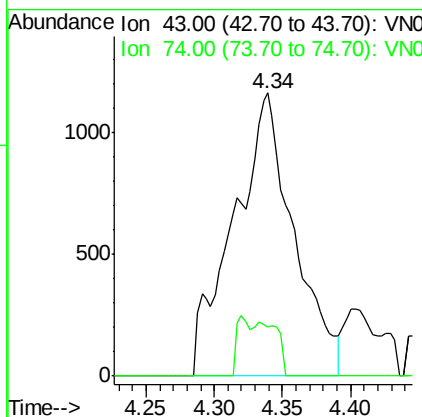
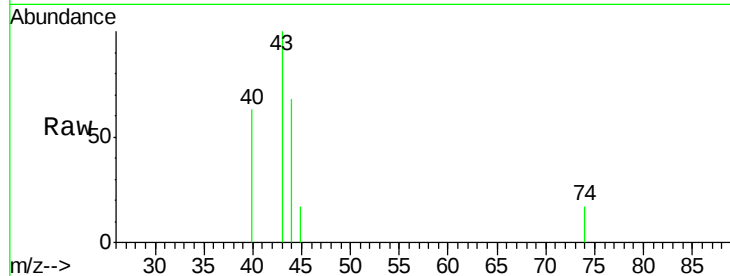




#18
Methyl Acetate
Concen: 0.625 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.02 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

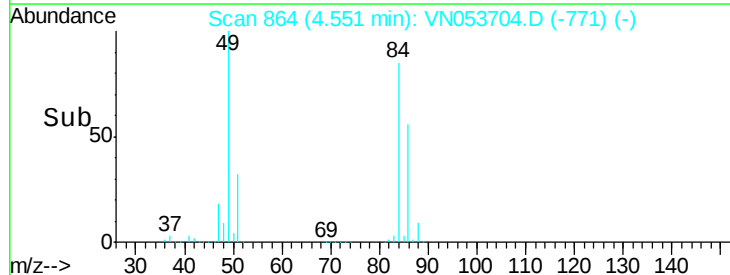
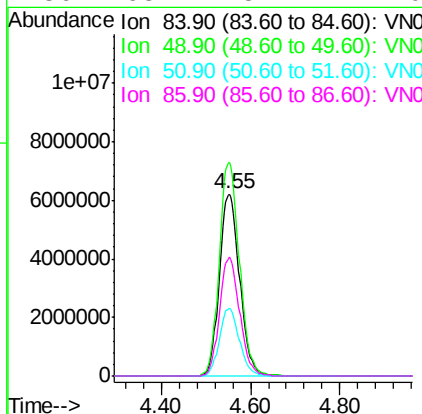
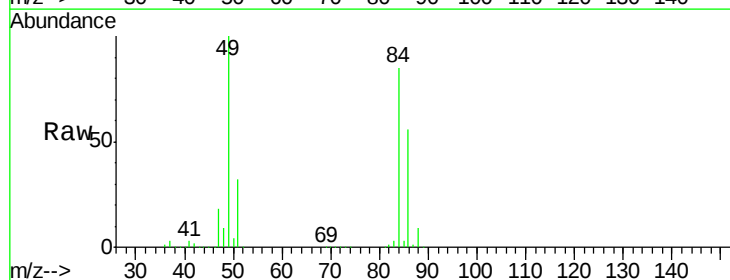
Instrument :
MSVOA_N
ClientSampled :
COMP-12

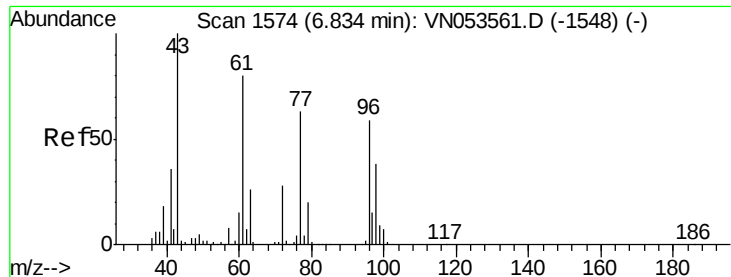
Tot Ion: 43 Resp: 3569
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 2424.482 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

Tgt Ion: 84 Resp:19613258
Ion Ratio Lower Upper
84 100
49 117.3 94.3 141.5
51 37.1 29.4 44.2
86 65.1 51.4 77.0

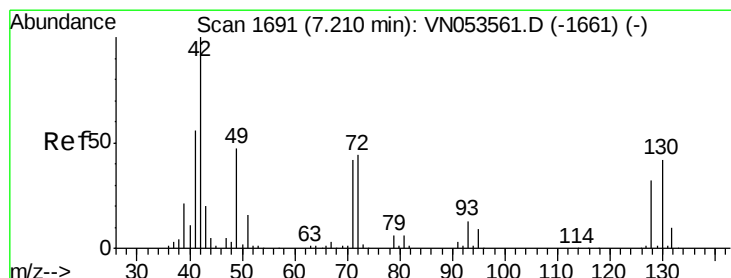
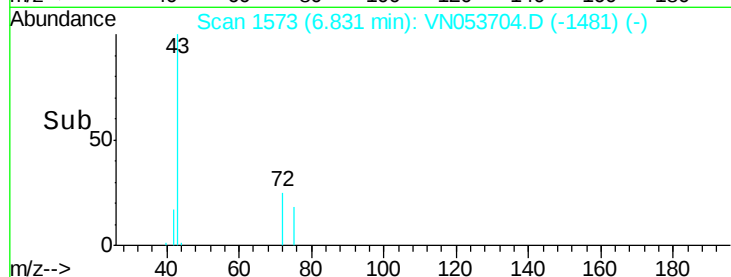
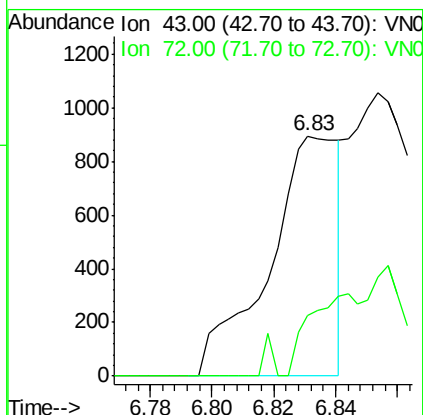
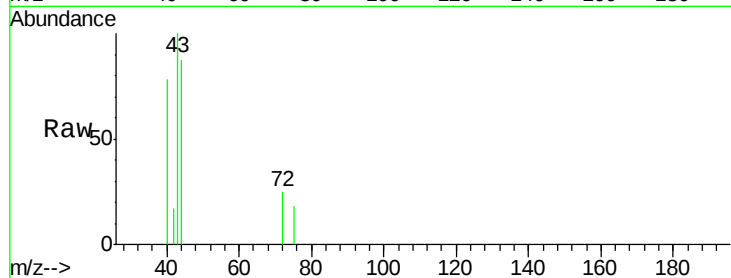




#25
2-Butanone
Concen: 0.508 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

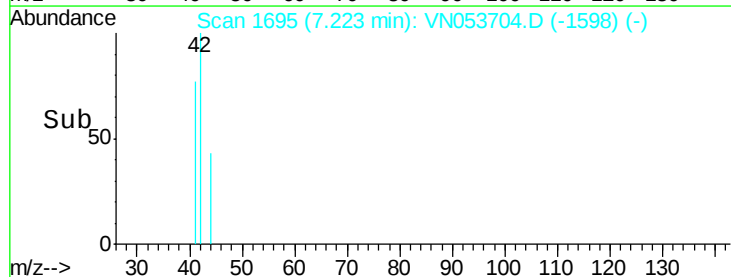
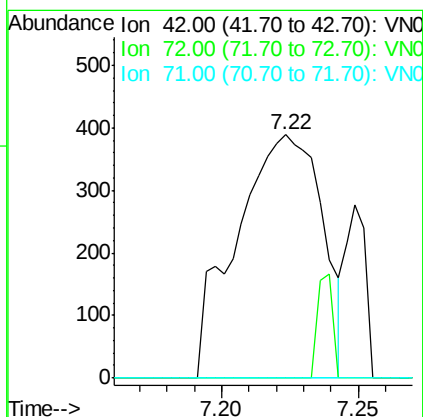
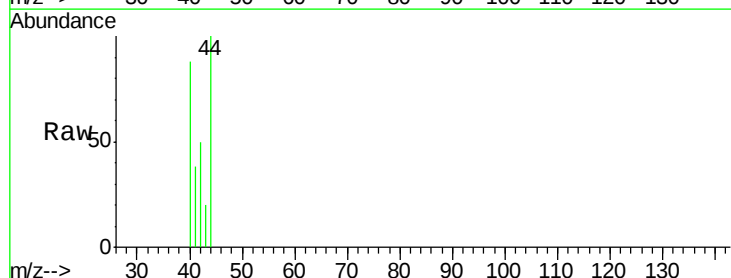
Instrument :
MSVOA_N
ClientSampled :
COMP-12

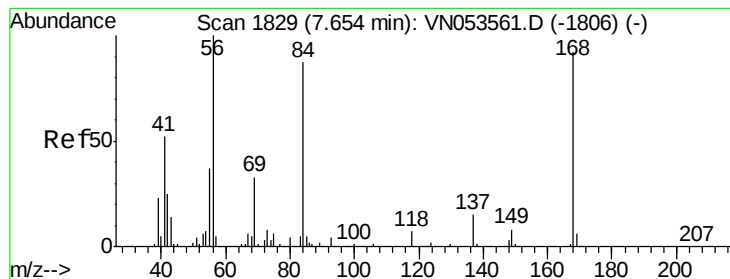
Tot Ion: 43 Resp: 1396
Ion Ratio Lower Upper
43 100
72 25.4 22.0 33.0



#29
Tetrahydrofuran
Concen: 0.482 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.01 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

Tgt Ion: 42 Resp: 851
Ion Ratio Lower Upper
42 100
72 0.0 35.2 52.8#
71 0.0 33.0 49.4#





#31

Cyclohexane

Concen: 0.693 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampled :

COMP-12

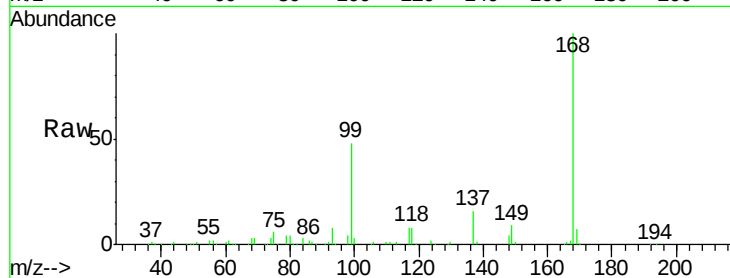
Tot Ion: 56 Resp: 10932

Ion Ratio Lower Upper

56 100

69 182.0 26.4 39.6#

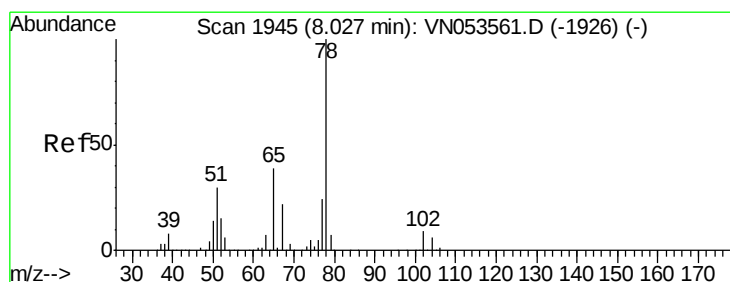
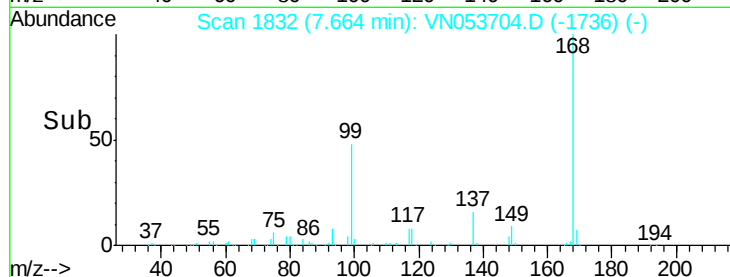
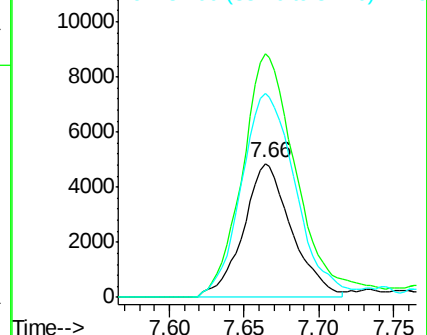
84 152.1 67.9 101.9#



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: 52.185 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053704.D

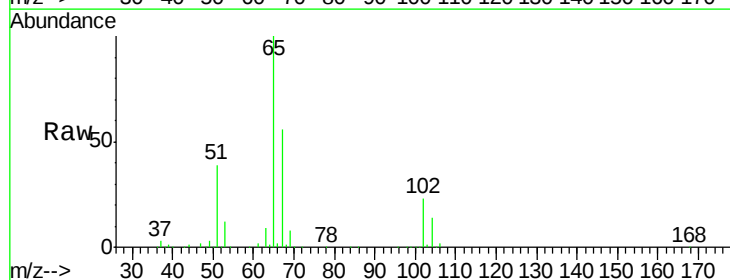
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Tgt Ion: 65 Resp: 392296

Ion Ratio Lower Upper

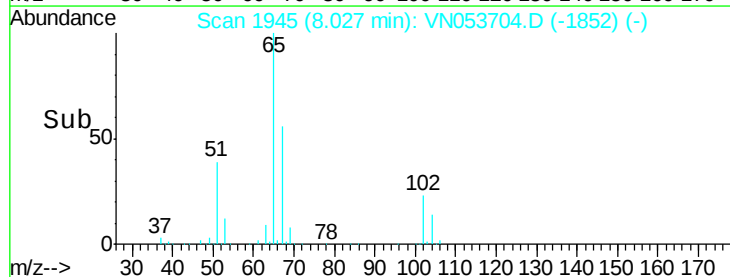
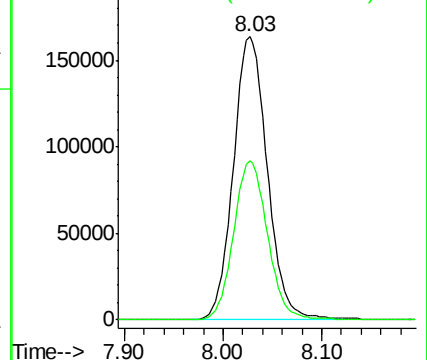
65 100

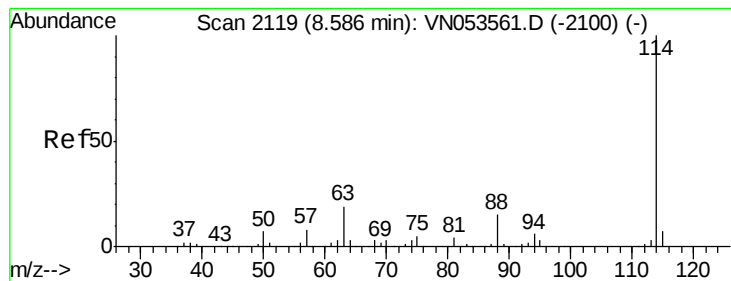
67 56.1 0.0 111.2



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: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

COMP-12

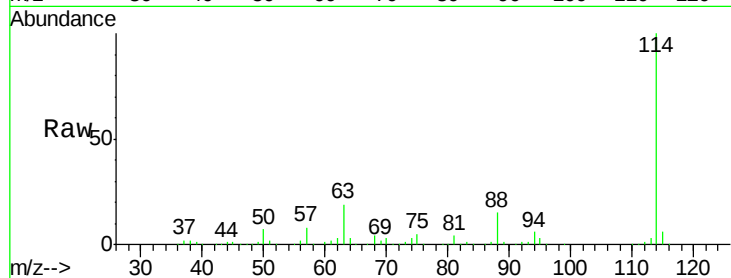
Tot Ion:114 Resp: 1216214

Ion Ratio Lower Upper

114 100

63 18.7 0.0 38.6

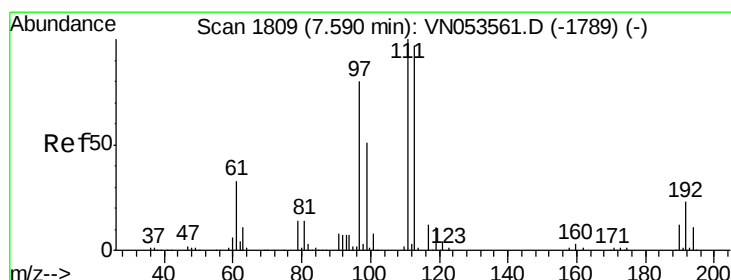
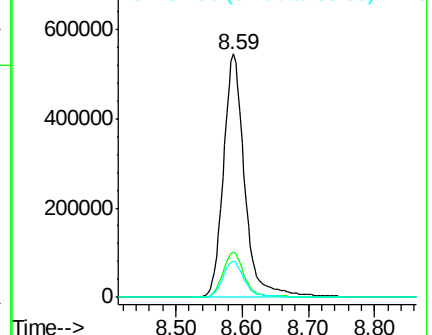
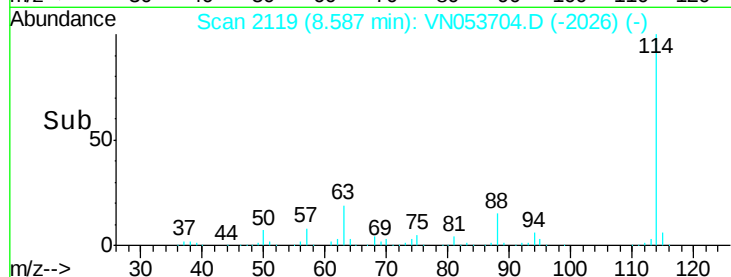
88 14.9 0.0 30.4



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: 50.732 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

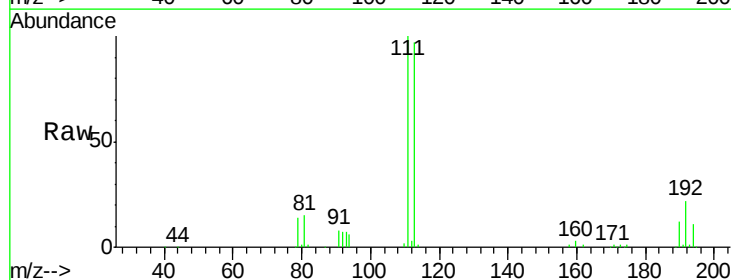
Tgt Ion:113 Resp: 389869

Ion Ratio Lower Upper

113 100

111 102.0 81.1 121.7

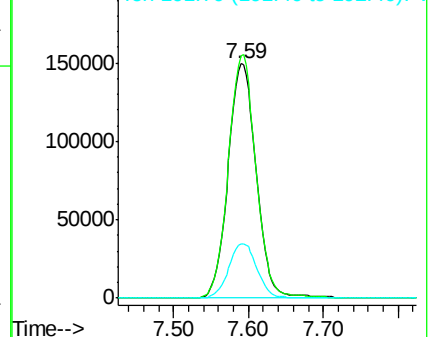
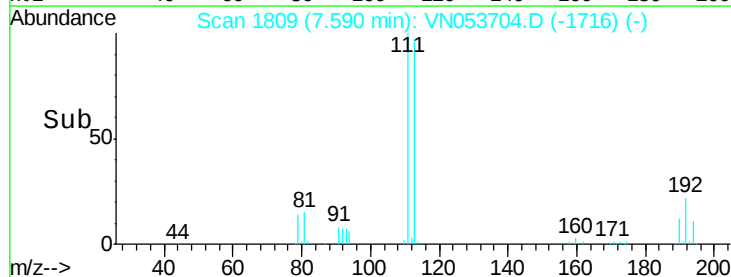
192 23.3 18.2 27.2

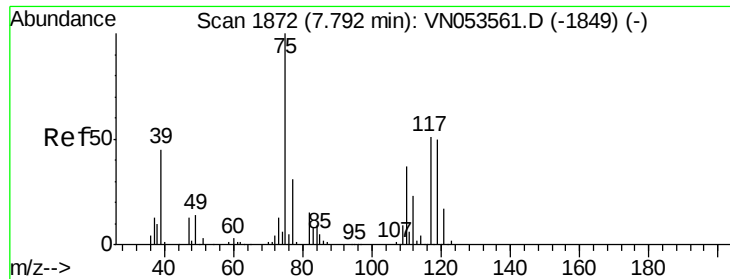


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

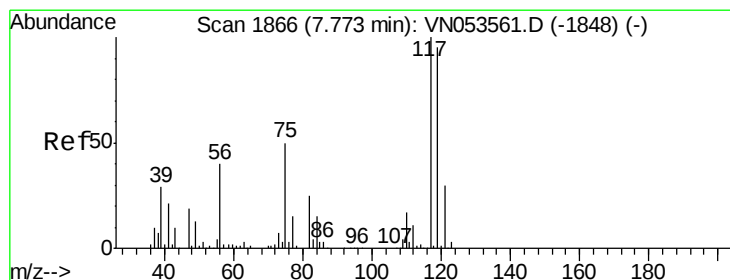
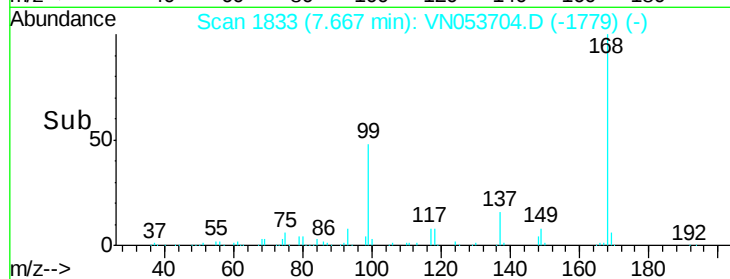
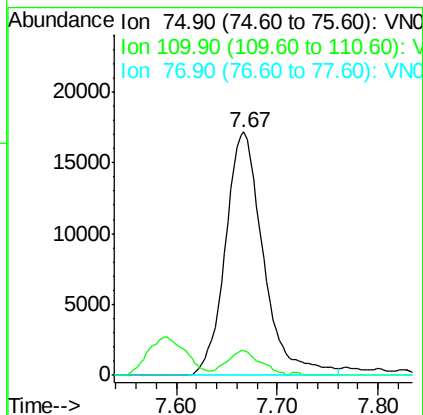
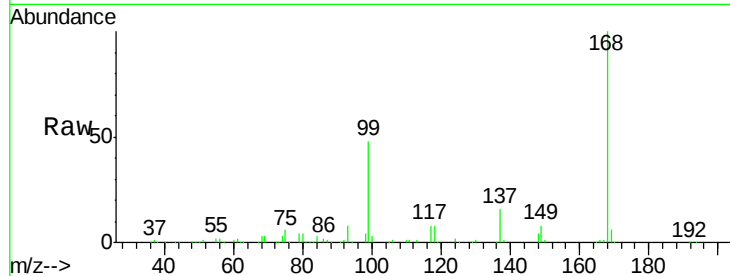




#36
 1,1-Dichloropropene
 Concen: 4.097 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053704.D
 Acq: 11 Feb 2019 15:00

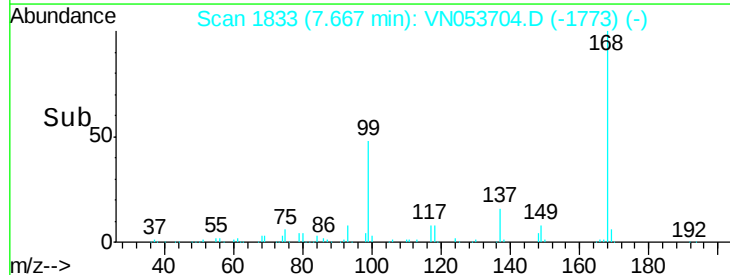
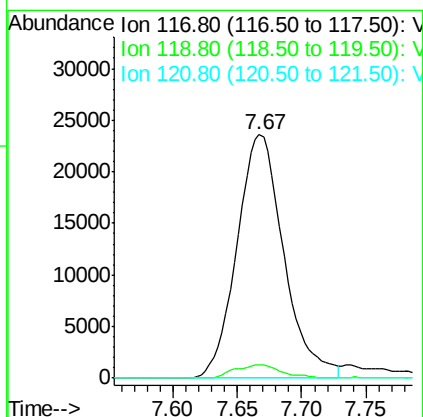
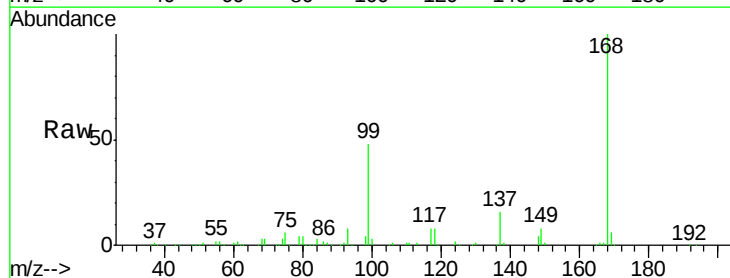
Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-12

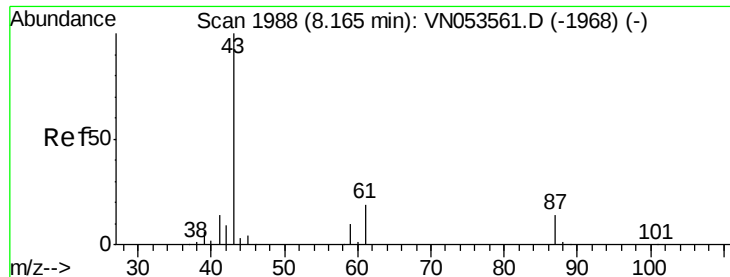
Tot Ion: 75 Resp: 44921
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.409 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053704.D
 Acq: 11 Feb 2019 15:00

Tgt Ion: 117 Resp: 59743
 Ion Ratio Lower Upper
 117 100
 119 5.4 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 3.056 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampled :

COMP-12

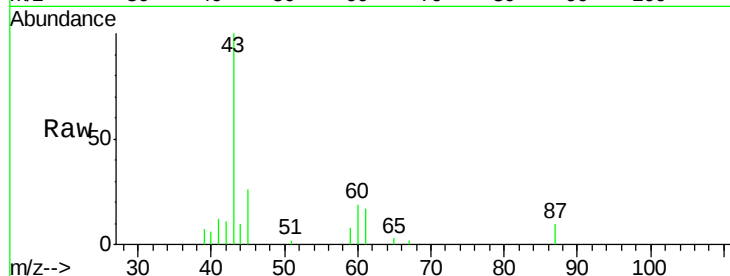
Tot Ion: 43 Resp: 36136

Ion Ratio Lower Upper

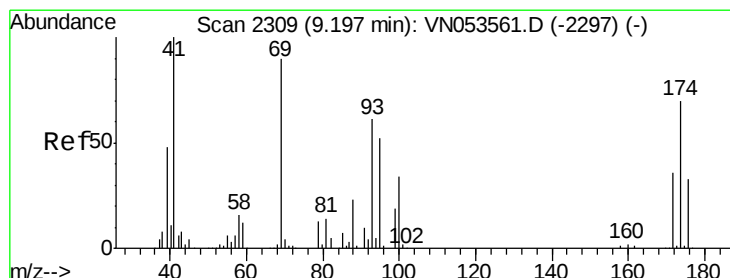
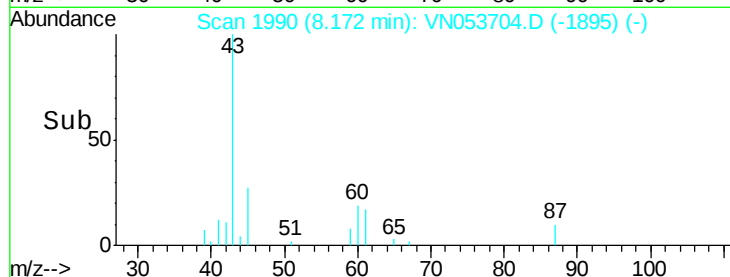
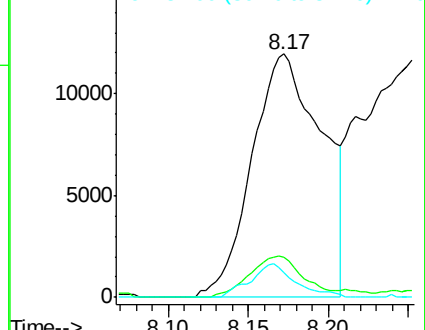
43 100

61 12.9 23.9 35.9#

87 8.8 11.0 16.6#



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



#48

Methyl methacrylate

Concen: 1.628 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

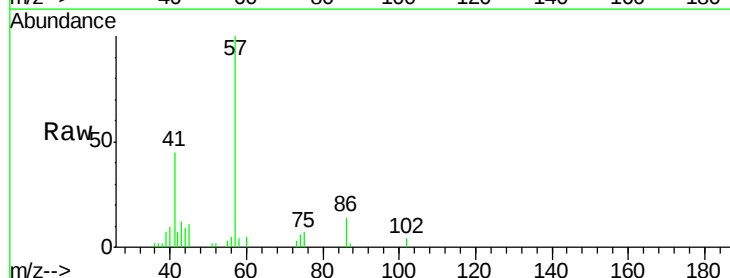
Tgt Ion: 41 Resp: 9188

Ion Ratio Lower Upper

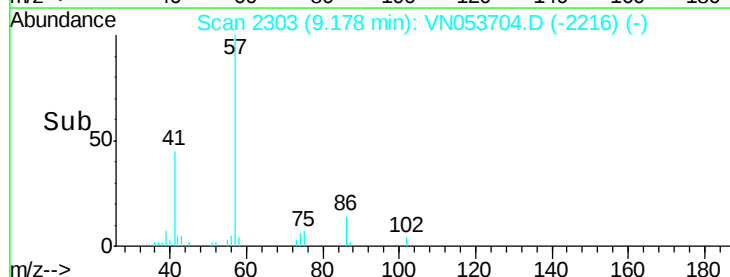
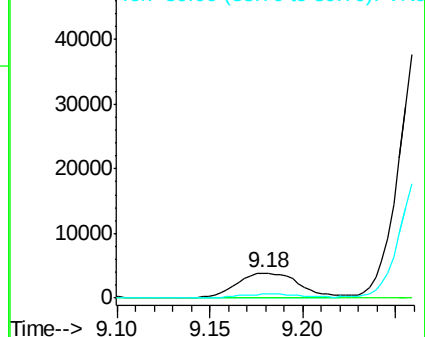
41 100

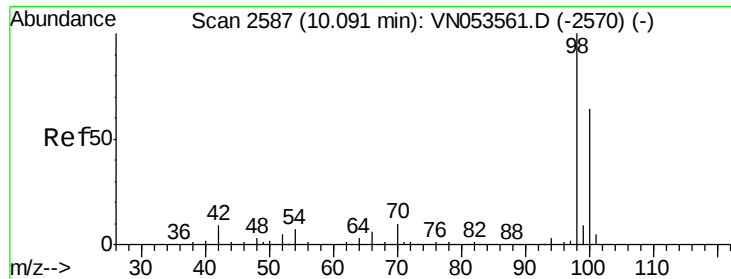
69 0.0 73.8 110.6#

39 0.0 40.0 60.0#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 51.498 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

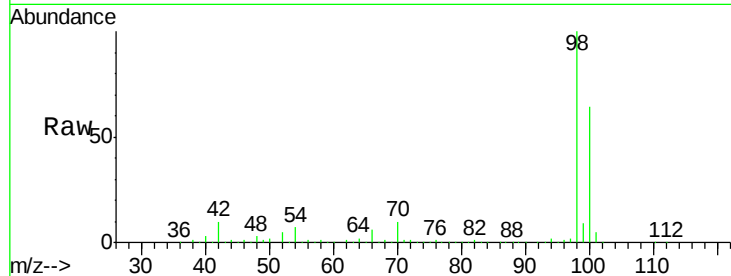
COMP-12

Tot Ion: 98 Resp: 1485977

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

800000

600000

400000

200000

0

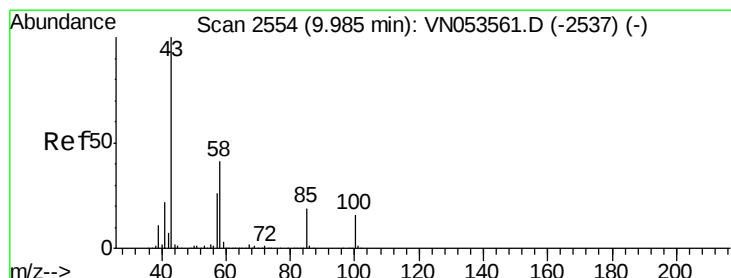
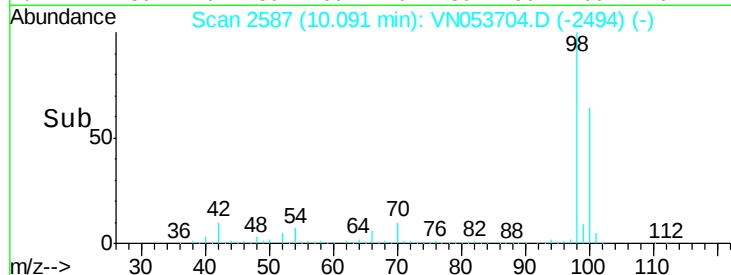
10.09

10.10

10.20

10.30

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.229 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN053704.D

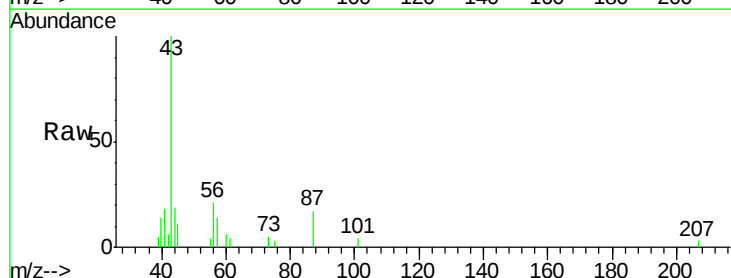
Acq: 11 Feb 2019 15:00

Tgt Ion: 43 Resp: 7144

Ion Ratio Lower Upper

43 100

58 0.0 32.8 49.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

6000

5000

4000

3000

2000

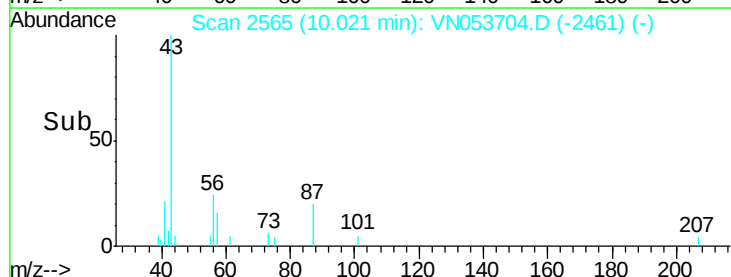
1000

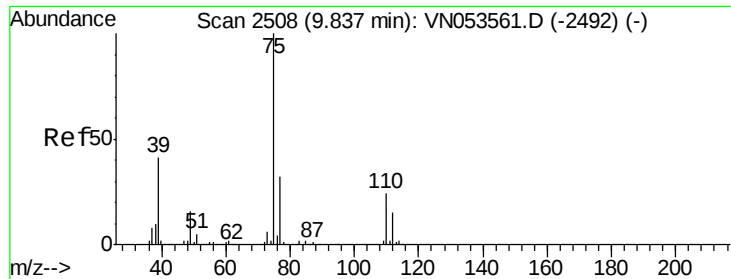
0

10.02

10.05

Time-->



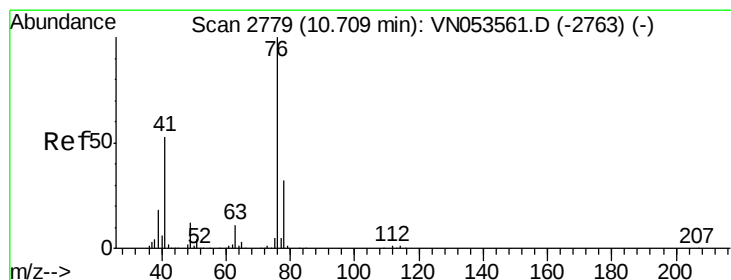
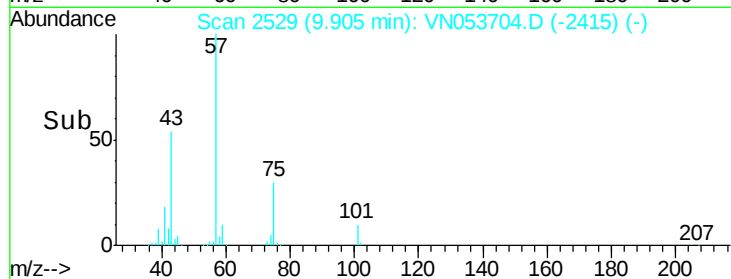
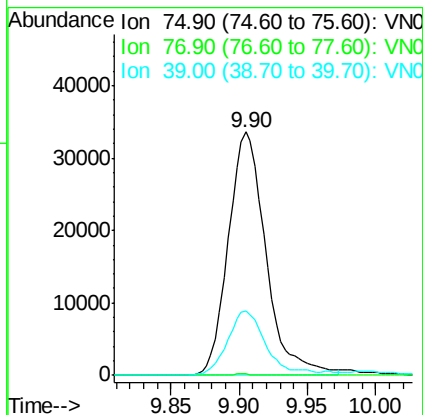
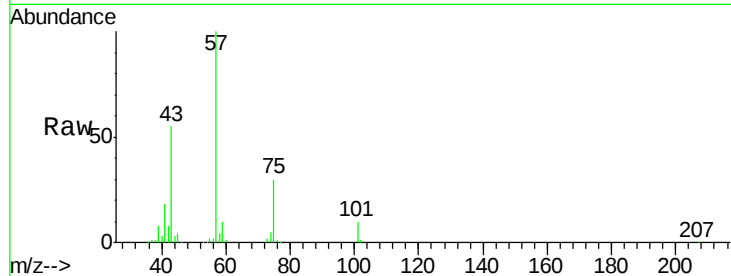


#54

cis-1,3-Dichloropropene
 Concen: 5.018 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. 0.07 min
 Lab File: VN053704.D
 Acq: 11 Feb 2019 15:00

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-12

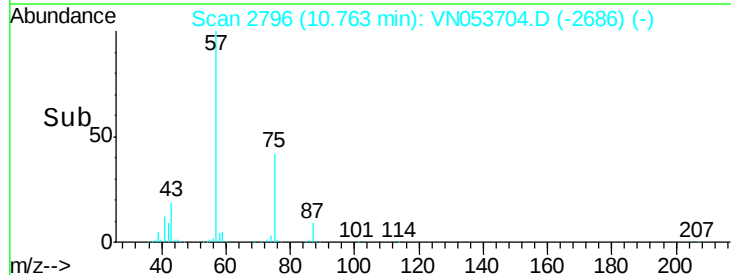
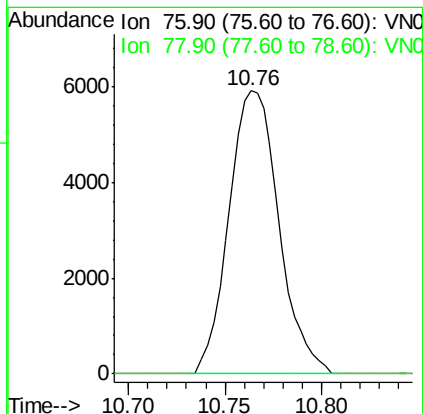
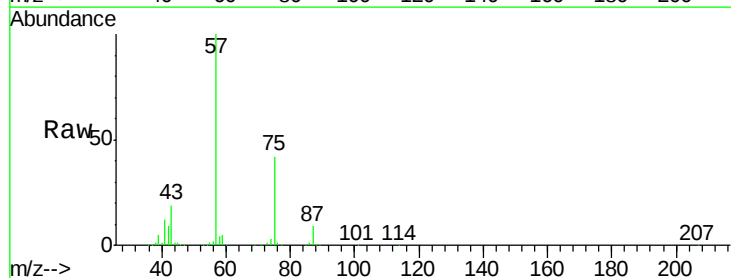
Tot Ion: 75 Resp: 64530
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.6#
 39 26.3 33.4 50.0#

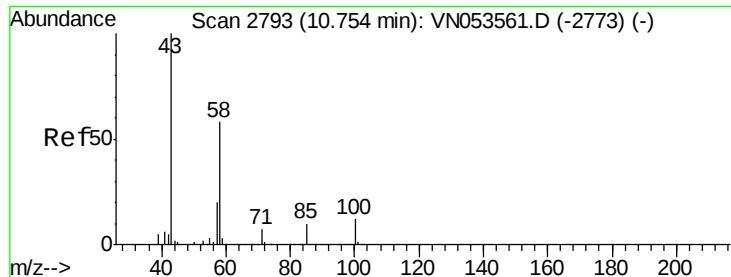


#57

1,3-Dichloropropane
 Concen: 0.861 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.05 min
 Lab File: VN053704.D
 Acq: 11 Feb 2019 15:00

Tgt Ion: 76 Resp: 10643
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.6 38.4#

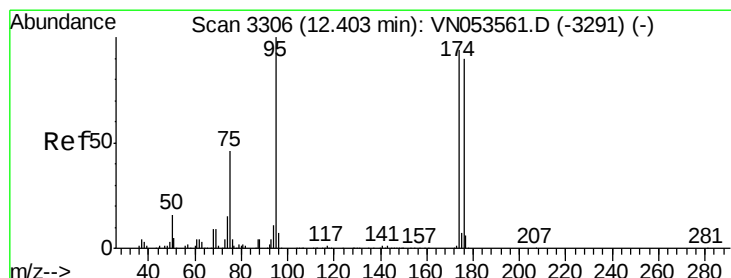
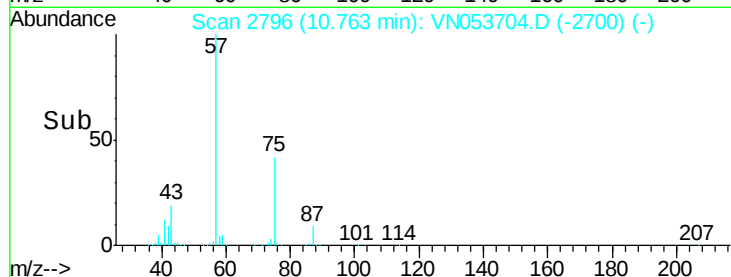
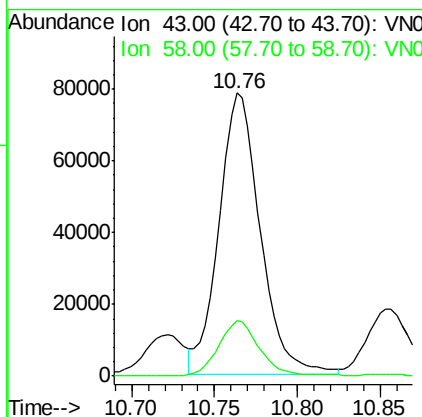
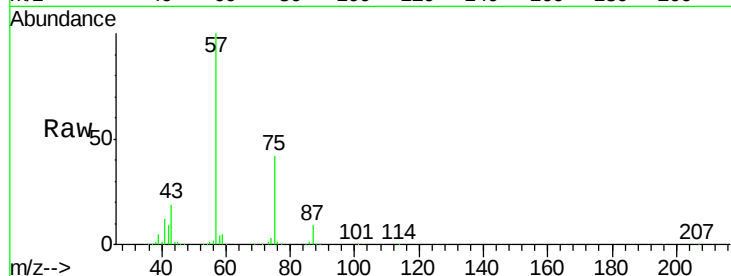




#59
2-Hexanone
Concen: 34.659 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

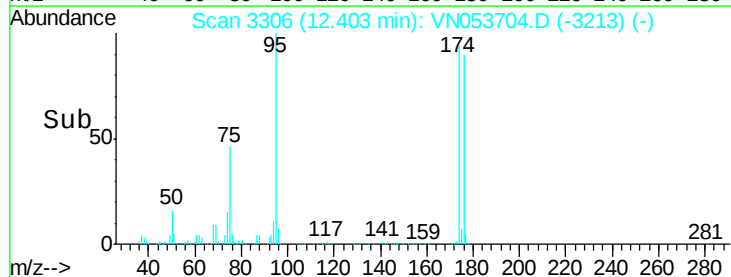
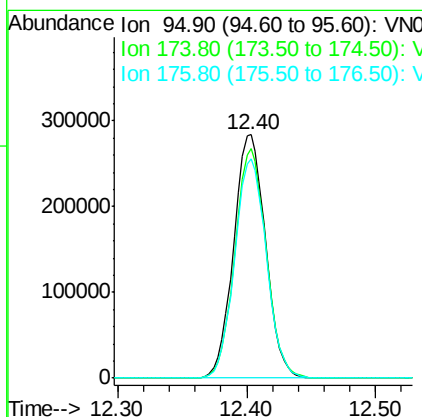
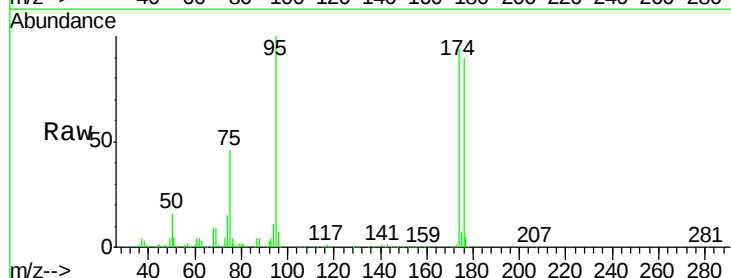
Instrument :
MSVOA_N
ClientSampled :
COMP-12

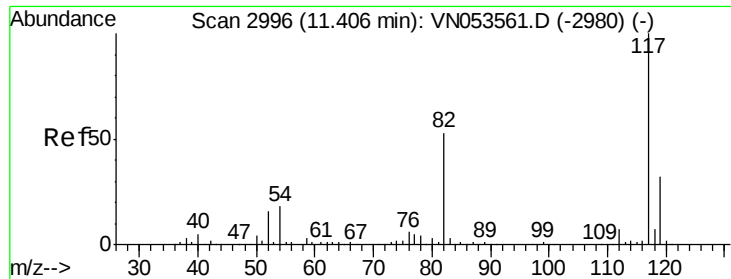
Tot Ion: 43 Resp: 136725
Ion Ratio Lower Upper
43 100
58 19.4 28.6 85.8#



#62
4-Bromofluorobenzene
Concen: 50.653 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

Tgt Ion: 95 Resp: 487472
Ion Ratio Lower Upper
95 100
174 92.7 0.0 183.2
176 89.7 0.0 177.4

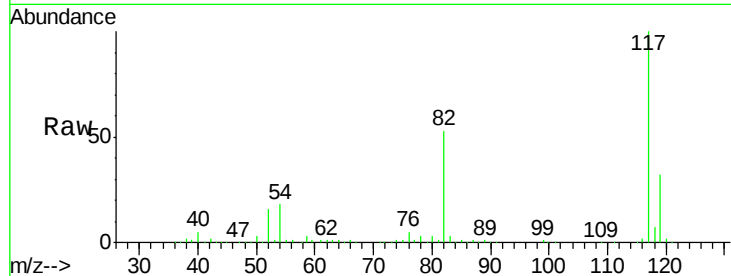




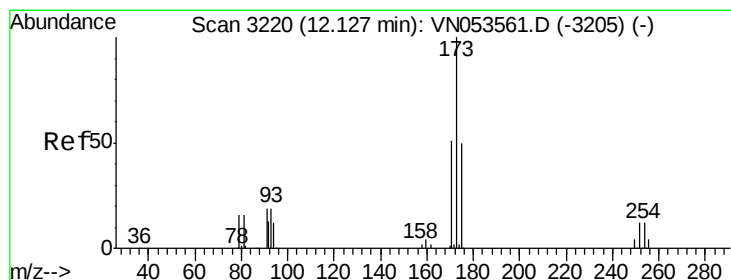
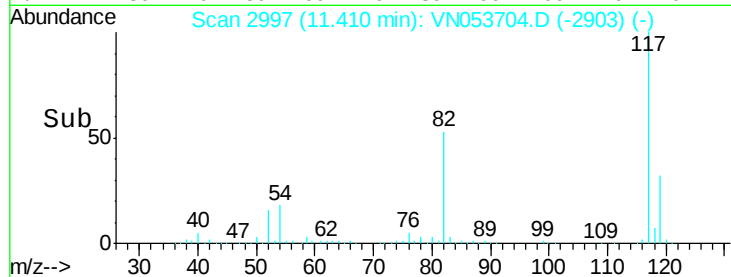
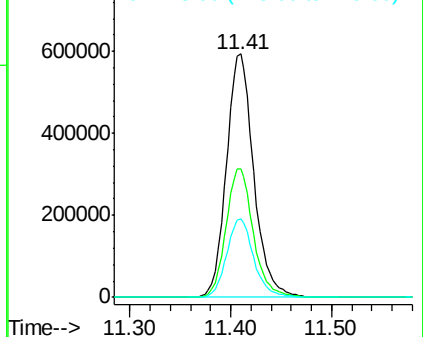
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

Instrument :
MSVOA_N
ClientSampled :
COMP-12

Tot Ion:117 Resp: 1118668
Ion Ratio Lower Upper
117 100
82 52.7 42.9 64.3
119 32.2 26.0 39.0

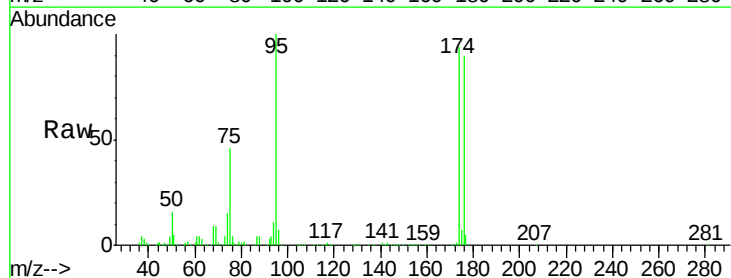


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

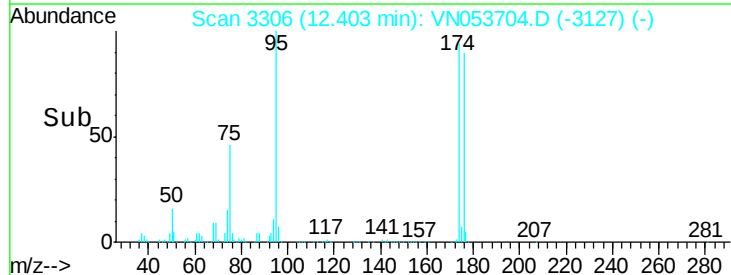
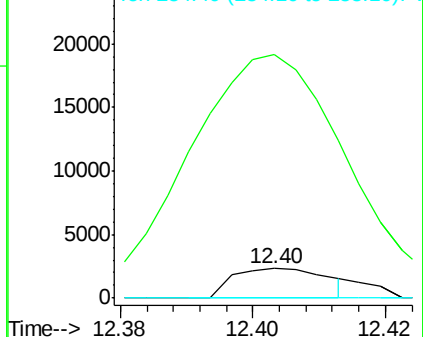


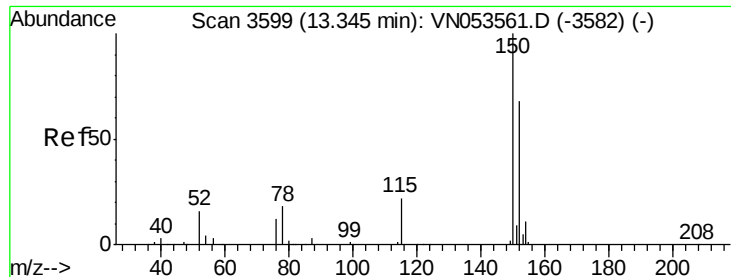
#71
Bromoform
Concen: 0.402 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053704.D
Acq: 11 Feb 2019 15:00

Tgt Ion:173 Resp: 2289
Ion Ratio Lower Upper
173 100
175 1226.1 24.6 74.0#
254 0.0 0.2 0.2#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampled :

COMP-12

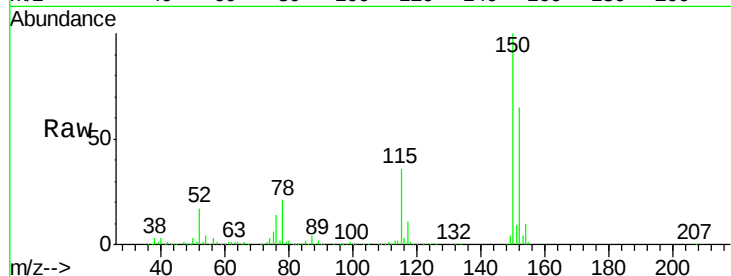
Tot Ion:152 Resp: 452906

Ion Ratio Lower Upper

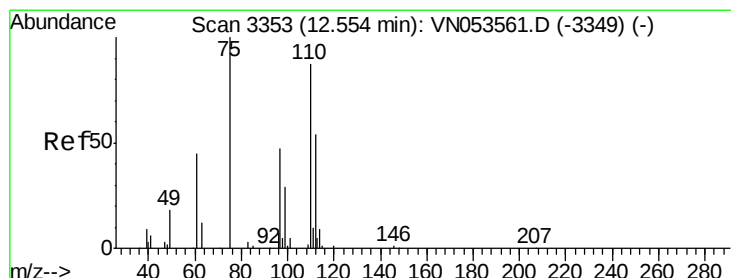
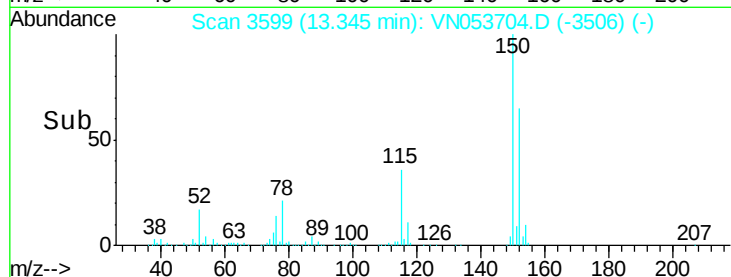
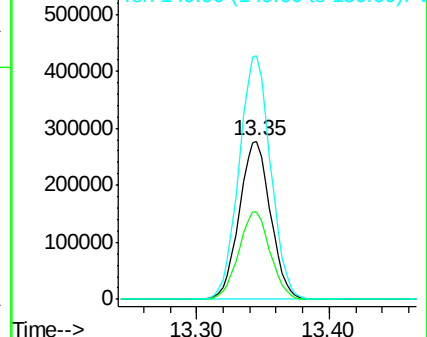
152 100

115 55.8 27.8 83.4

150 155.8 0.0 349.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 38.703 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053704.D

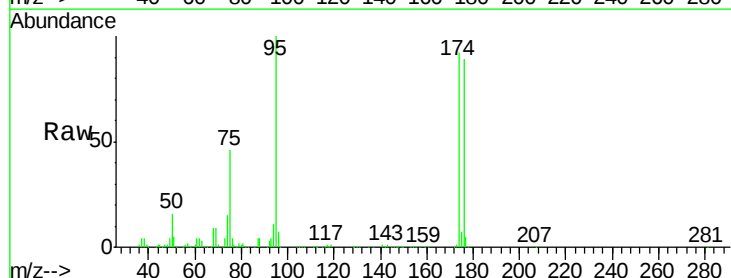
Acq: 11 Feb 2019 15:00

Tgt Ion: 75 Resp: 225148

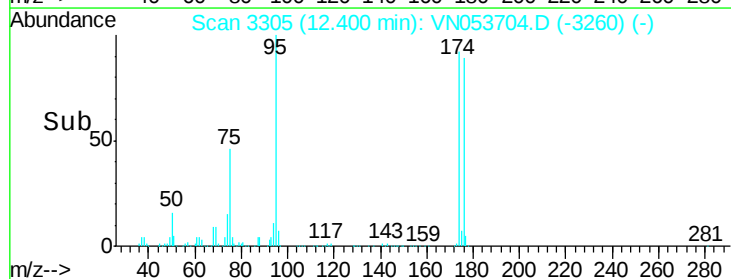
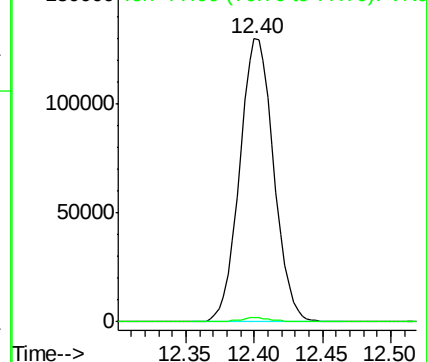
Ion Ratio Lower Upper

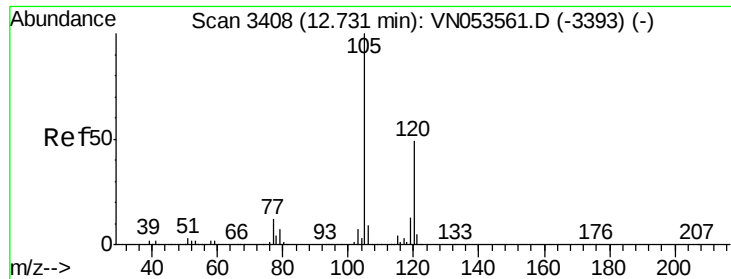
75 100

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





#80

1,3,5-Trimethylbenzene

Concen: 0.210 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

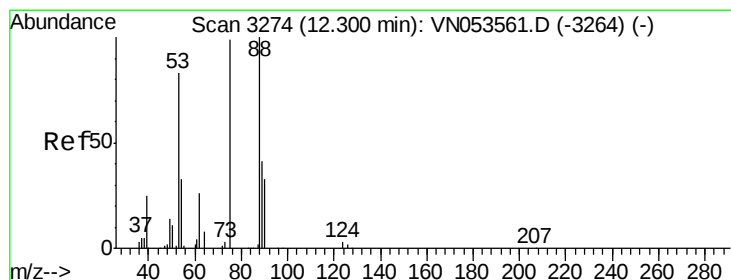
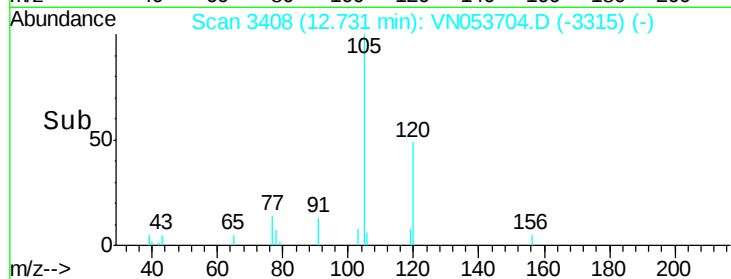
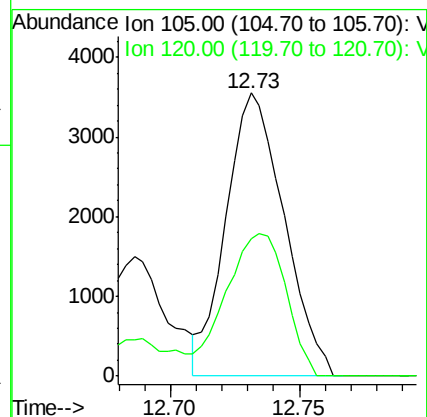
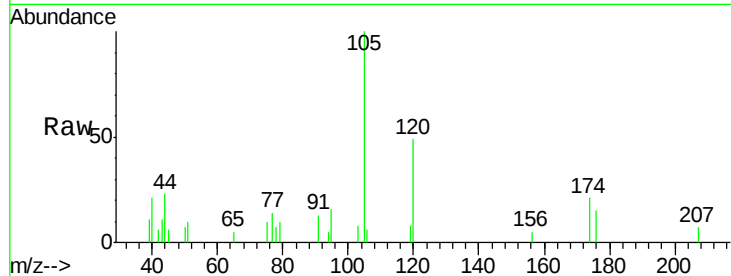
COMP-12

Tot Ion:105 Resp: 5549

Ion Ratio Lower Upper

105 100

120 53.0 24.9 74.6



#81

trans-1,4-Dichloro-2-butene

Concen: 108.830 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

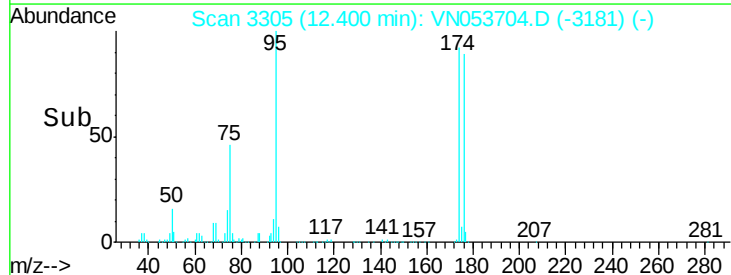
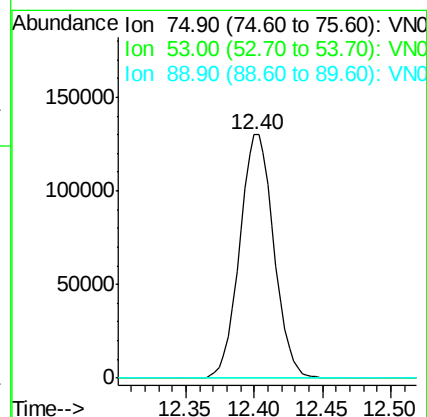
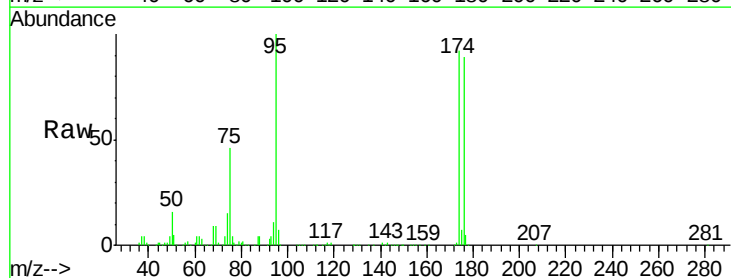
Tgt Ion: 75 Resp: 225148

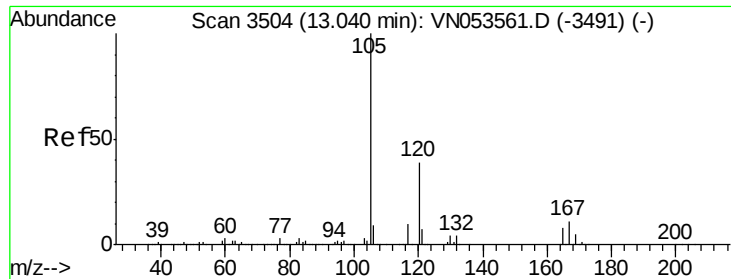
Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#





#84

1,2,4-Trimethylbenzene

Concen: 0.511 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

Instrument :

MSVOA_N

ClientSampleId :

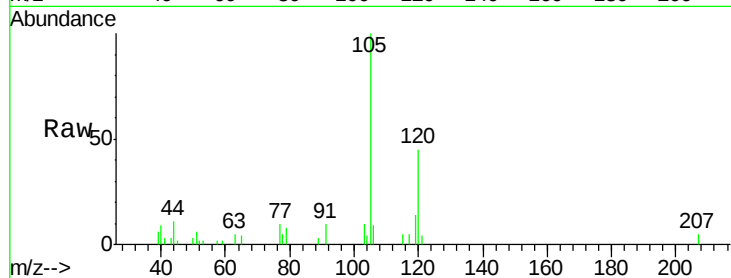
COMP-12

Tot Ion:105 Resp: 13742

Ion Ratio Lower Upper

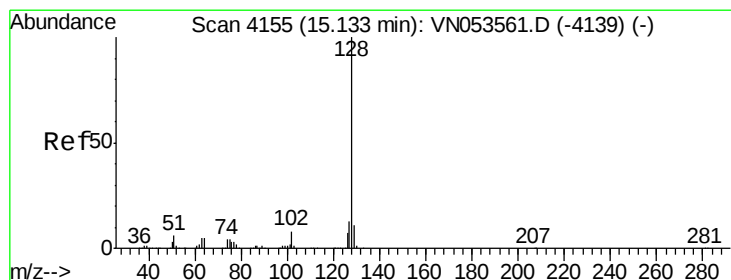
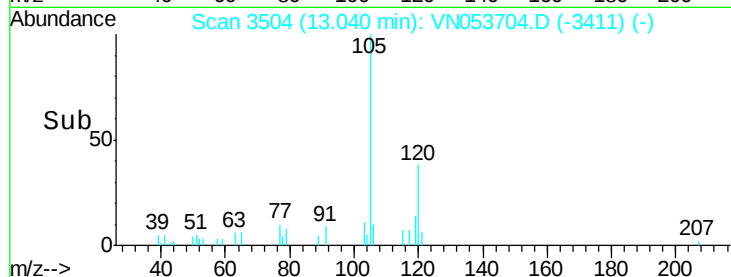
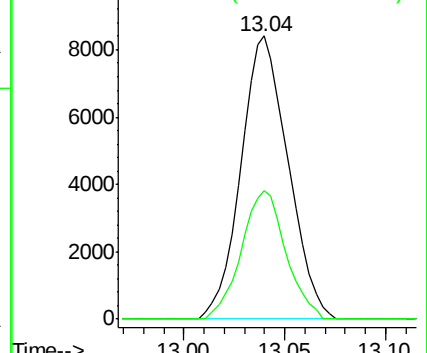
105 100

120 42.8 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.184 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053704.D

Acq: 11 Feb 2019 15:00

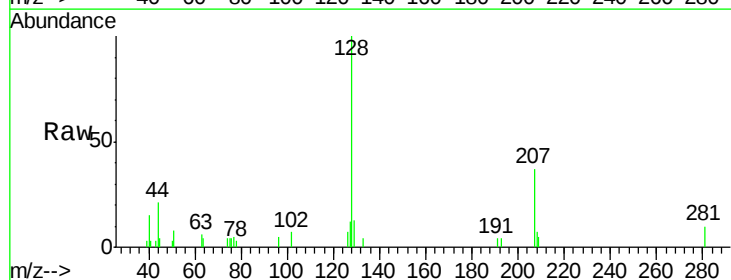
Tgt Ion:128 Resp: 9235

Ion Ratio Lower Upper

128 100

127 12.1 10.3 15.5

129 10.6 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

