

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN030619\
 Data File : VN054124.D
 Acq On : 6 Mar 2019 18:39
 Operator : JC/SP
 Sample : K1755-29
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-5

Quant Time: Mar 07 06:40:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	586673	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1038086	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1004086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	368904	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	361948	51.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	335980	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
50) Toluene-d8	10.09	98	1322613	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	
62) 4-Bromofluorobenzene	12.40	95	448434	53.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.60%	

Target Compounds

					Qvalue
3) Chloromethane	2.06	50	1228	Below Cal	94
5) Bromomethane	2.57	94	358	Below Cal	# 59
10) Methyl Iodide	3.96	142	984	3.295 ug/l	# 75
11) Tert butyl alcohol	4.77	59	1908	4.451 ug/l	# 72
13) Acrolein	3.60	56	222	27.533 ug/l	# 67
16) Acetone	3.82	43	41873	19.296 ug/l	100
17) Carbon Disulfide	4.05	76	7088	Below Cal	# 90
18) Methyl Acetate	4.34	43	6112	1.463 ug/l	# 86
20) Methylene Chloride	4.55	84	4838	Below Cal	92
25) 2-Butanone	6.84	43	7862	2.723 ug/l	95
36) 1,1-Dichloropropene	7.78	75	2243	0.230 ug/l	# 41
37) Ethyl Acetate	6.93	43	8446	1.205 ug/l	# 84
38) Carbon Tetrachloride	7.66	117	50254	5.403 ug/l	# 16
40) Benzene	8.04	78	120796	4.190 ug/l	98
43) Isopropyl Acetate	8.31	43	54363	6.096 ug/l	# 55
51) 4-Methyl-2-Pentanone	9.99	43	5701	0.916 ug/l	96
52) Toluene	10.16	92	127425	7.461 ug/l	100
59) 2-Hexanone	10.85	43	69084	16.835 ug/l	# 27
67) Ethyl Benzene	11.51	91	50203	1.436 ug/l	99
68) m/p-Xylenes	11.62	106	108666	8.235 ug/l	99
69) o-Xylene	11.95	106	52205	4.111 ug/l	98
70) Styrene	11.96	104	19785	0.982 ug/l	# 68
71) Bromoform	12.40	173	3734	0.725 ug/l	# 1
73) Isopropylbenzene	12.25	105	7137	0.243 ug/l	95
74) N-amyl acetate	12.03	43	488873	62.885 ug/l	# 46
75) 1,1,2,2-Tetrachloroethane	12.51	83	239	Below Cal	# 25
76) 1,2,3-Trichloropropane	12.40	75	216861	34.494 ug/l	# 100
77) Bromobenzene	12.53	156	772	Below Cal	85
78) n-propylbenzene	12.59	91	18620	0.564 ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	25665	1.076 ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	216861	118.458 ug/l	# 12
84) 1,2,4-Trimethylbenzene	13.04	105	72580	3.065 ug/l	99
89) n-Butylbenzene	13.61	91	9716	0.477 ug/l	# 72
90) Hexachloroethane	13.89	117	4769	1.031 ug/l	# 5

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QLast Update : Thu Mar 07 06:25:49 2019
Response via : Initial Calibration

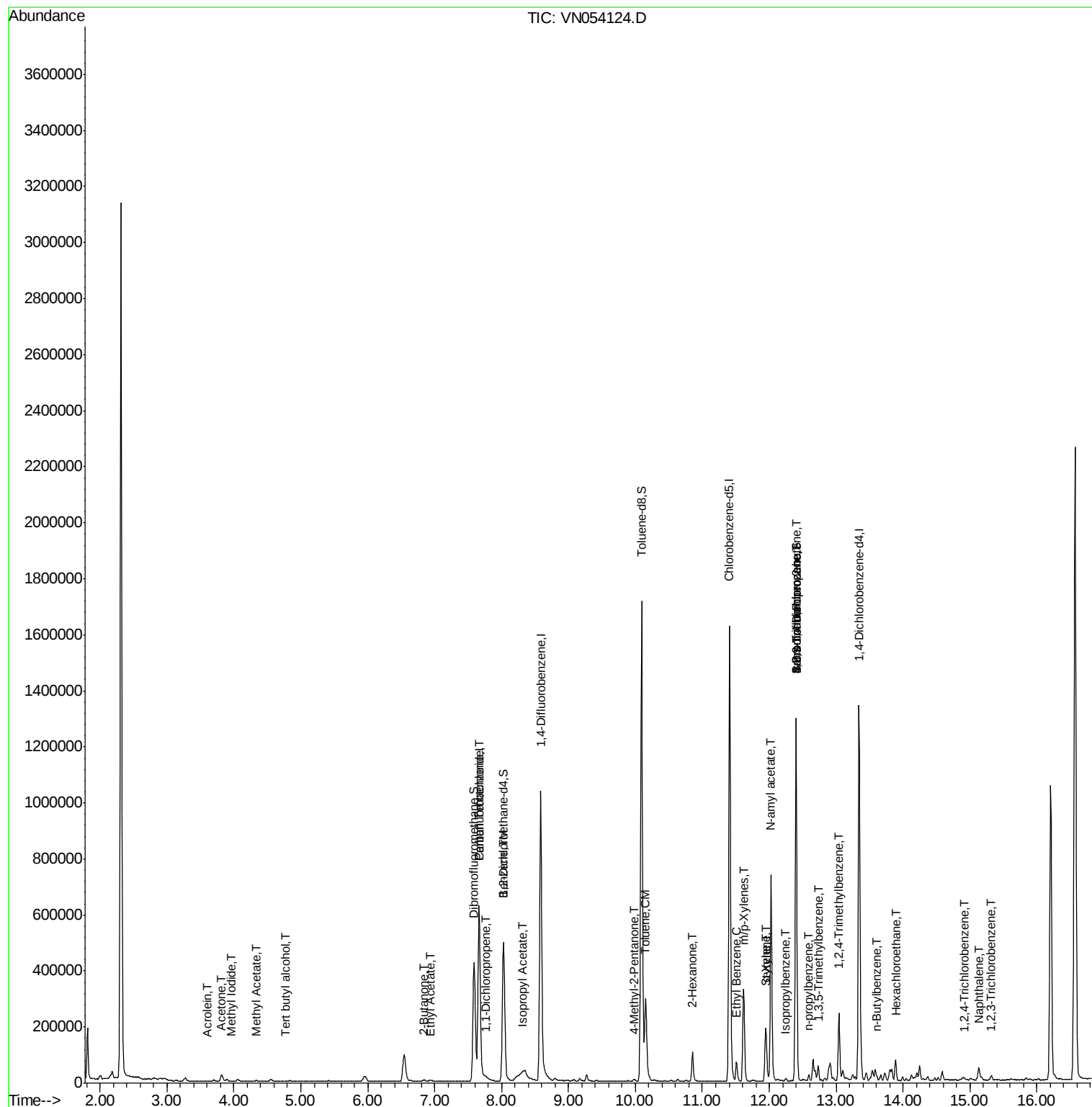
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.66	146	2007	Below Cal		95
93) 1,2,4-Trichlorobenzene	14.91	180	3582	0.587 ug/l		91
94) Hexachlorobutadiene	15.01	225	1118	Below Cal		90
95) Naphthalene	15.13	128	39446	7.194 ug/l		99
96) 1,2,3-Trichlorobenzene	15.32	180	3814	3.013 ug/l		97

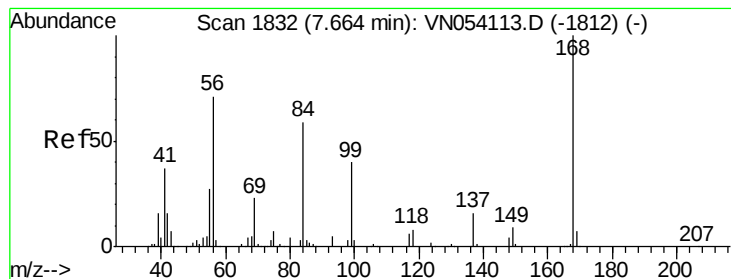
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

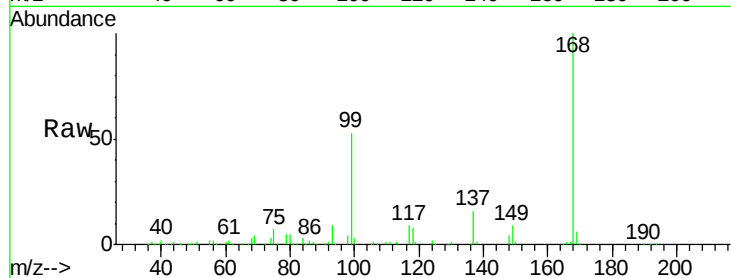
COMP-5

Tgt Ion:168 Resp: 586673

Ion Ratio Lower Upper

168 100

99 52.6 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

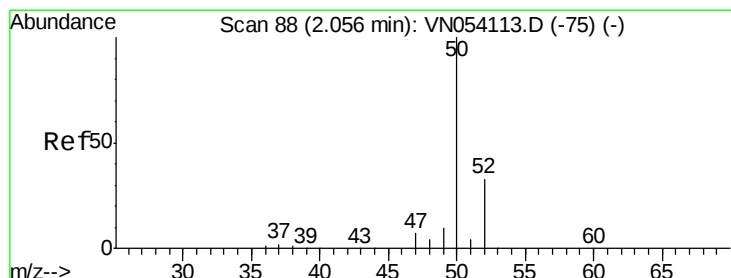
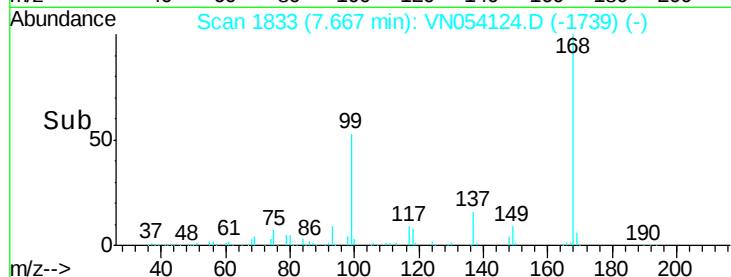
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN054124.D

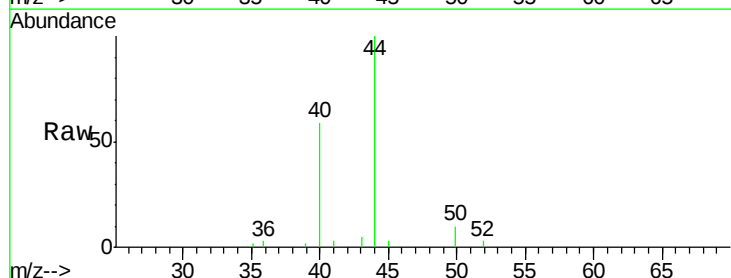
Acq: 6 Mar 2019 18:39

Tgt Ion: 50 Resp: 1228

Ion Ratio Lower Upper

50 100

52 29.1 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

800

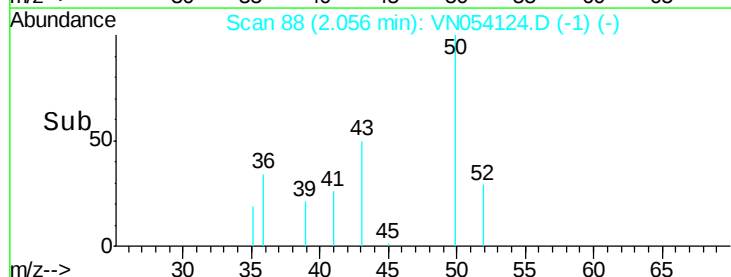
600

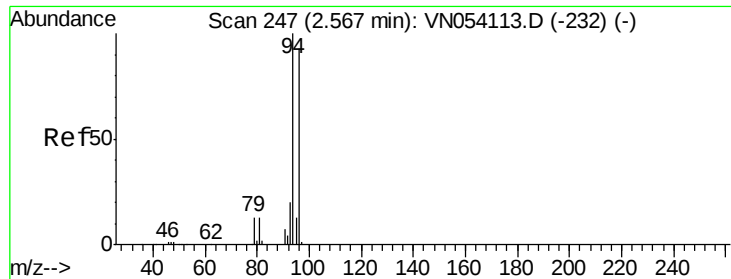
400

200

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

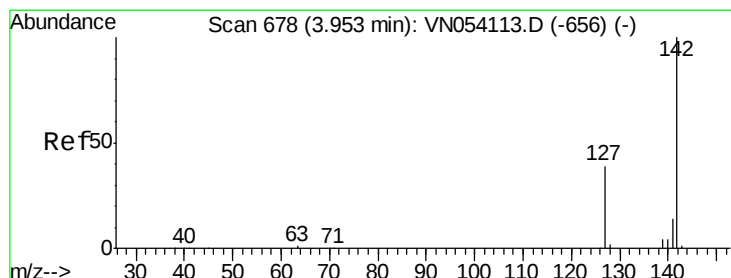
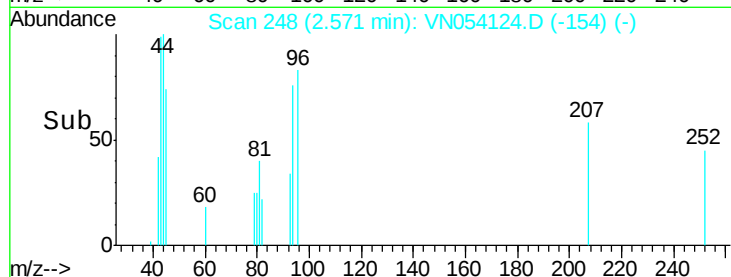
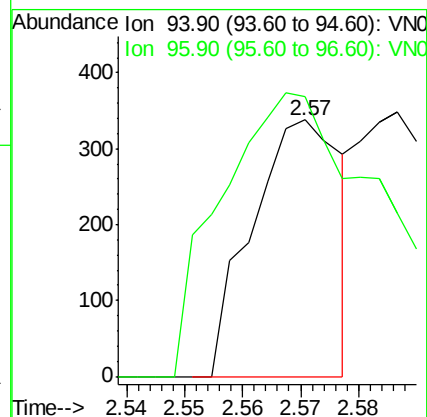
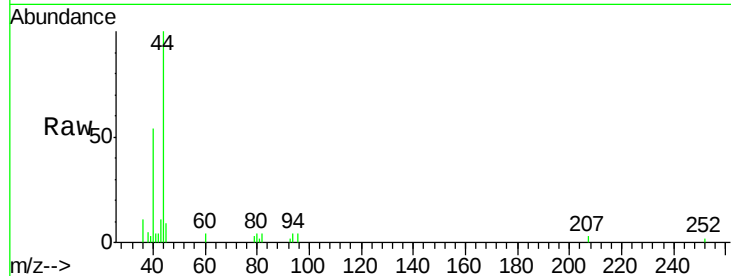
COMP-5

Tgt Ion: 94 Resp: 358

Ion Ratio Lower Upper

94 100

96 53.6 74.2 111.4#



#10

Methyl Iodide

Concen: 3.295 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

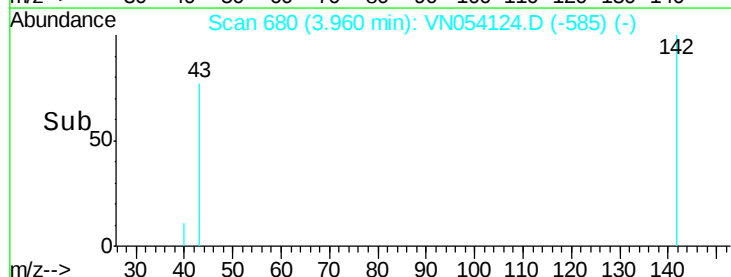
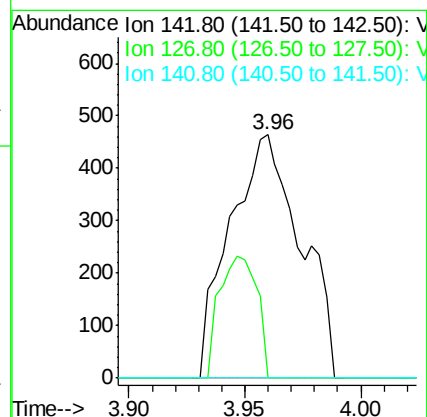
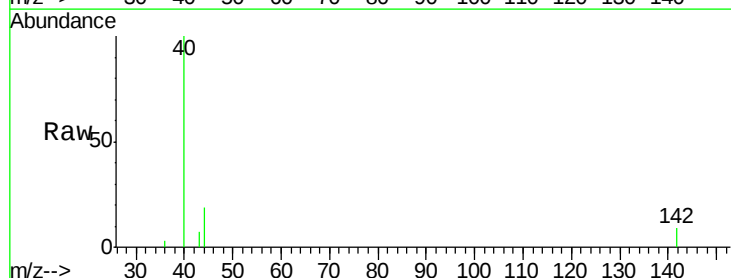
Tgt Ion: 142 Resp: 984

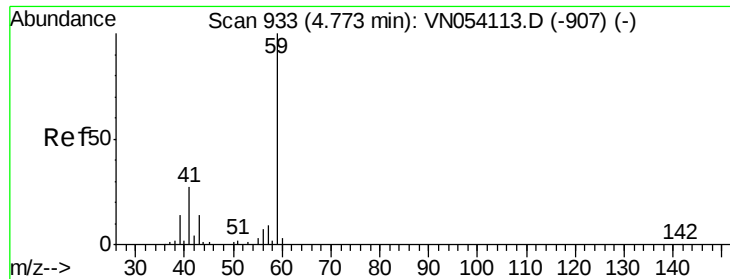
Ion Ratio Lower Upper

142 100

127 26.5 31.9 47.9#

141 0.0 11.4 17.0#

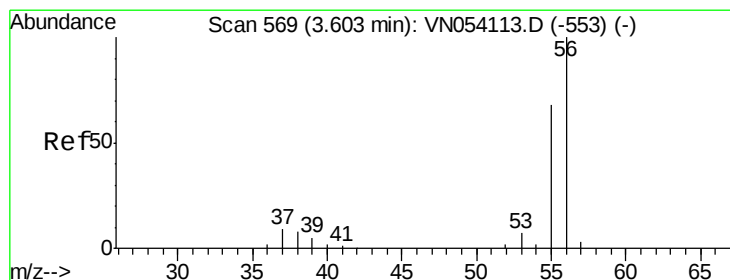
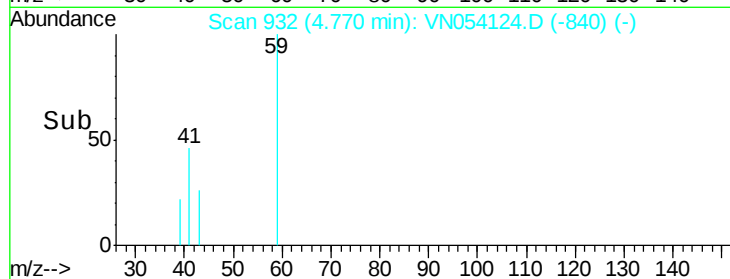
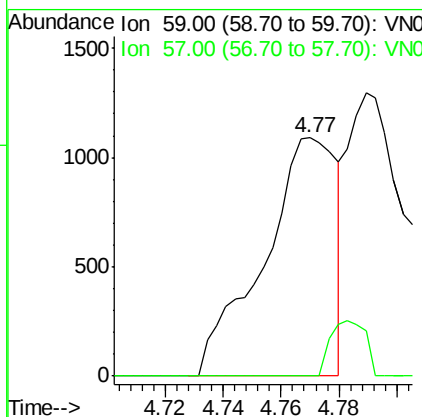
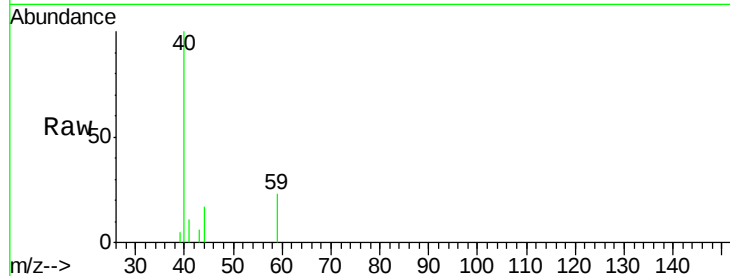




#11
Tert butyl alcohol
Concen: 4.451 ug/l
RT: 4.77 min Scan# 932
Delta R.T. -0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

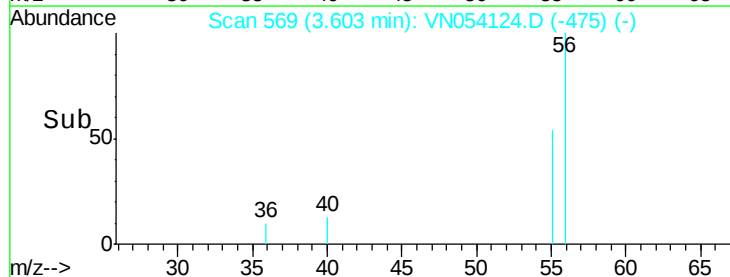
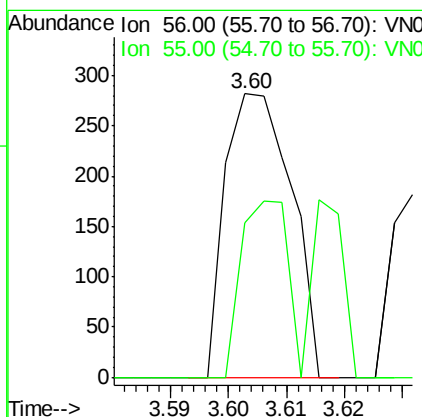
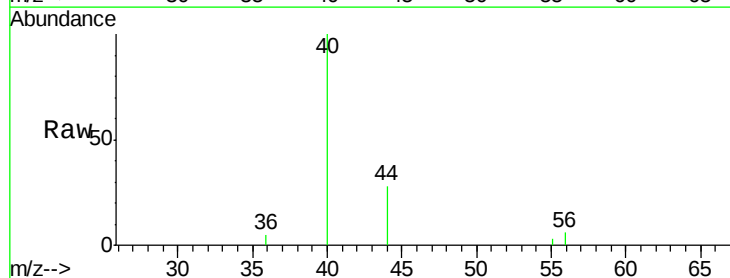
Instrument :
MSVOA_N
ClientSampled :
COMP-5

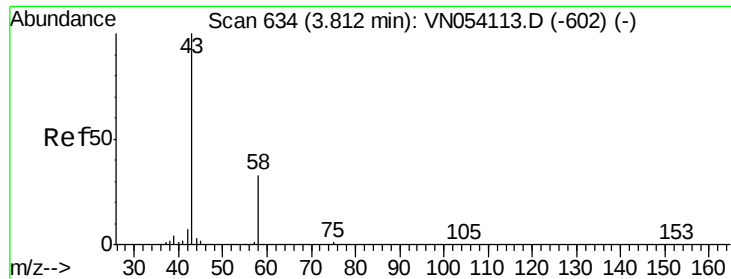
Tgt Ion: 59 Resp: 1908
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: 27.533 ug/l
RT: 3.60 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 43.7 57.1 85.7#





#16

Acetone

Concen: 19.296 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

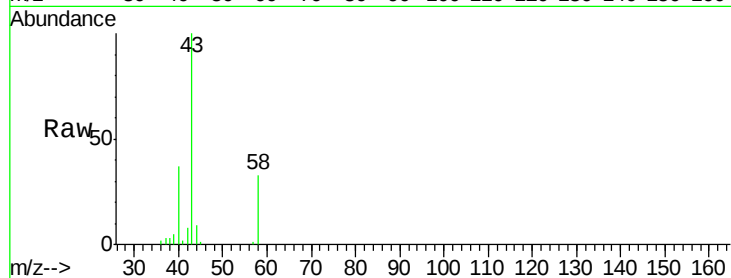
COMP-5

Tgt Ion: 43 Resp: 41873

Ion Ratio Lower Upper

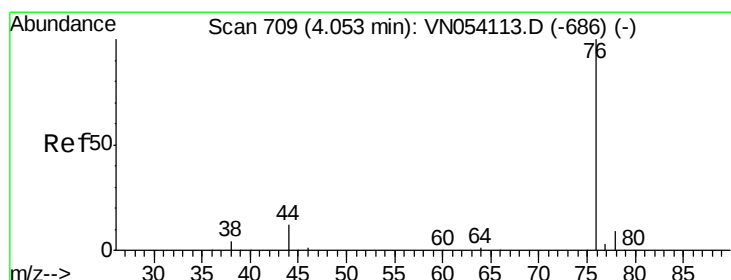
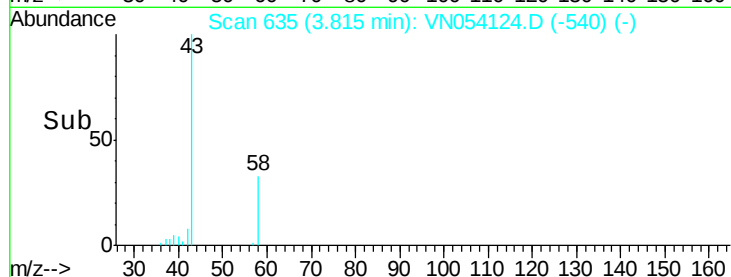
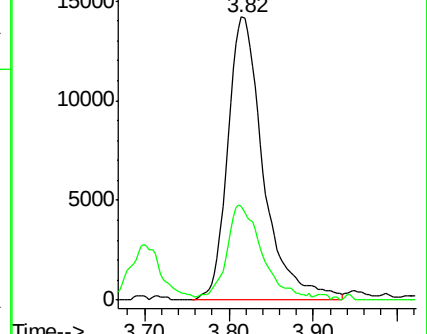
43 100

58 33.1 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN054124.D

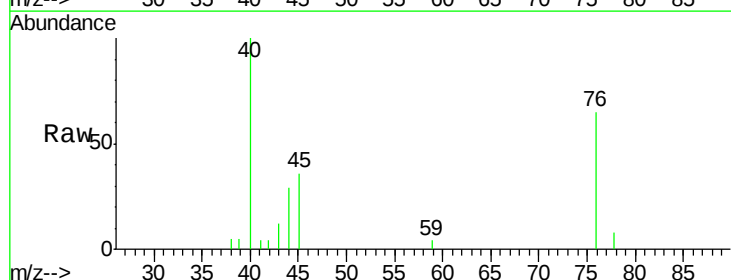
Acq: 6 Mar 2019 18:39

Tgt Ion: 76 Resp: 7088

Ion Ratio Lower Upper

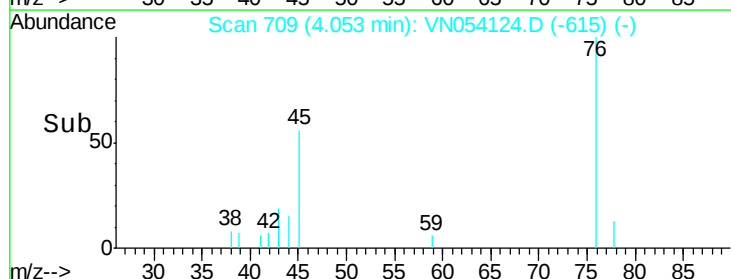
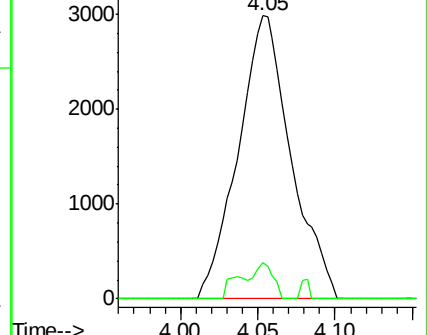
76 100

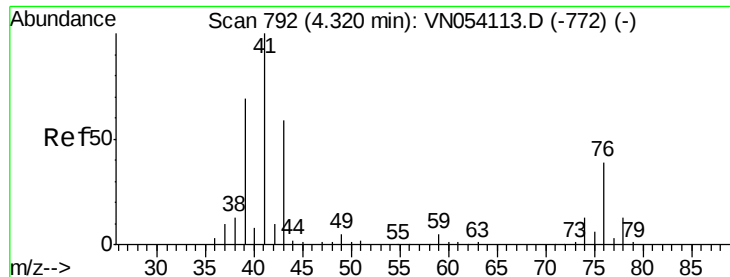
78 12.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

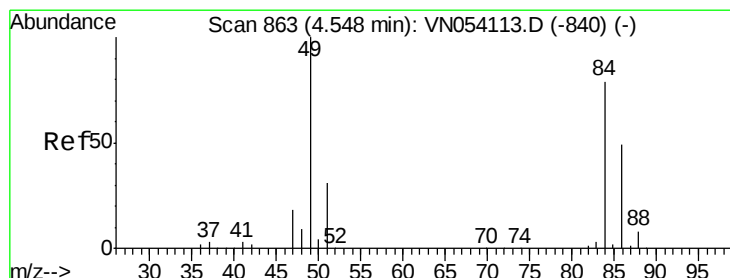
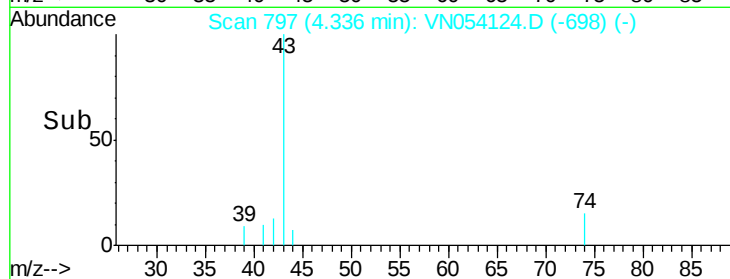
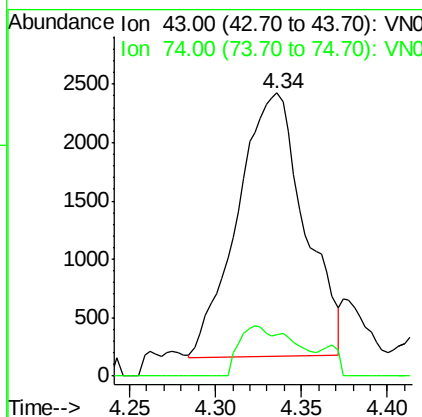
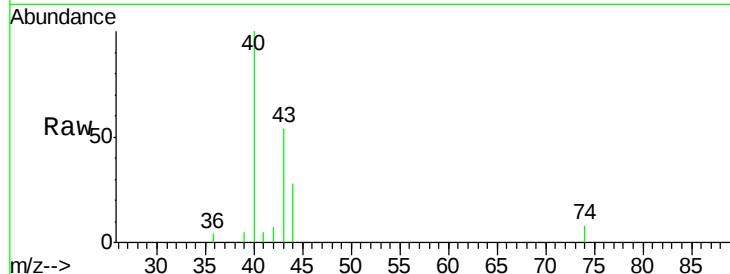




#18
Methyl Acetate
Concen: 1.463 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.02 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

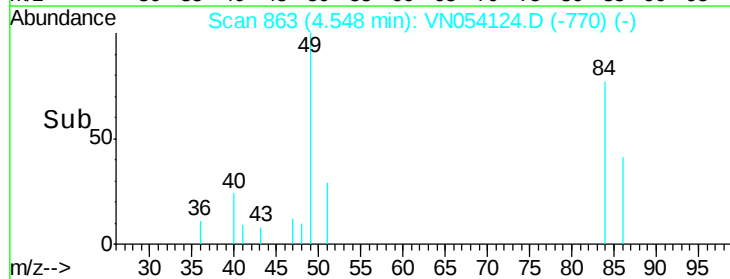
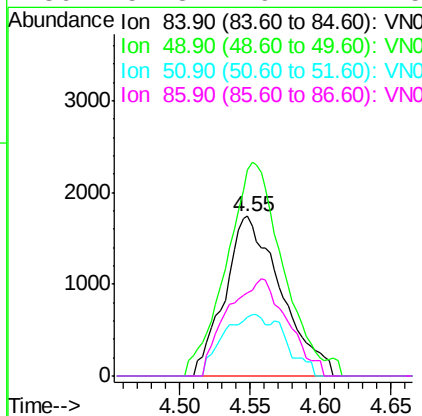
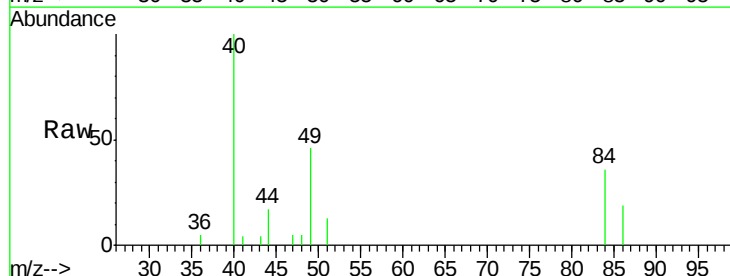
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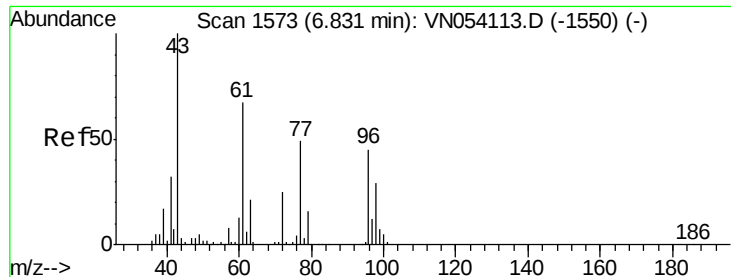
Tgt Ion: 43 Resp: 6112
Ion Ratio Lower Upper
43 100
74 16.0 18.2 27.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion: 84 Resp: 4838
Ion Ratio Lower Upper
84 100
49 119.6 101.8 152.8
51 36.9 31.1 46.7
86 52.3 49.7 74.5

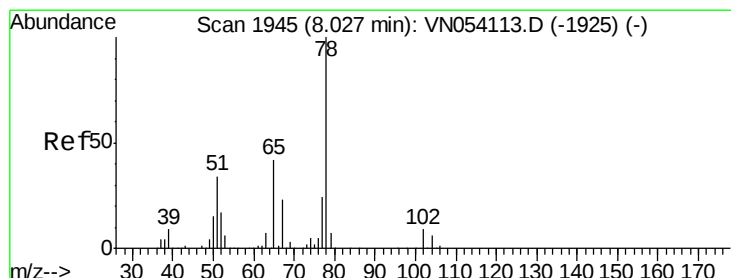
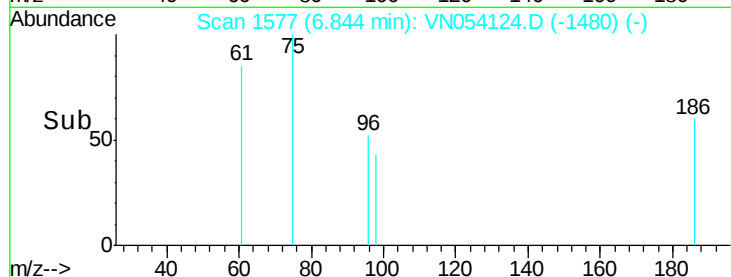
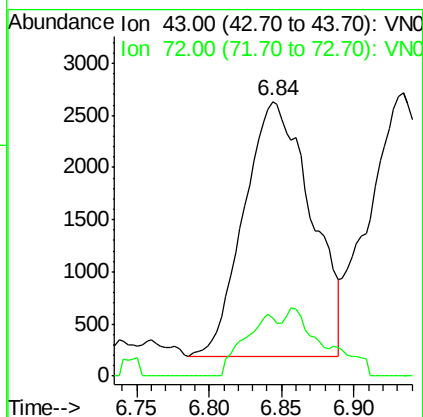
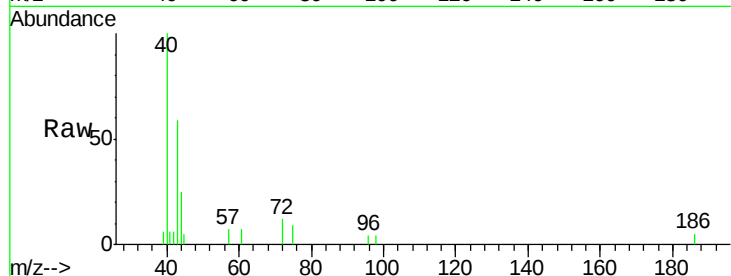




#25
2-Butanone
Concen: 2.723 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

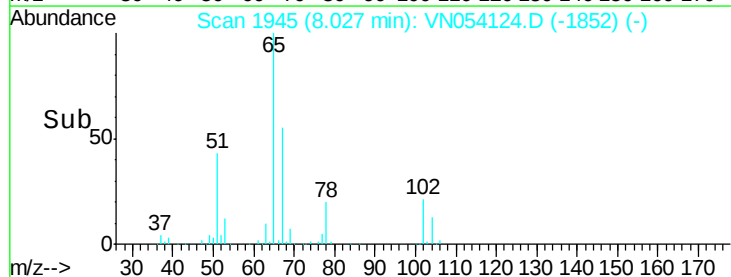
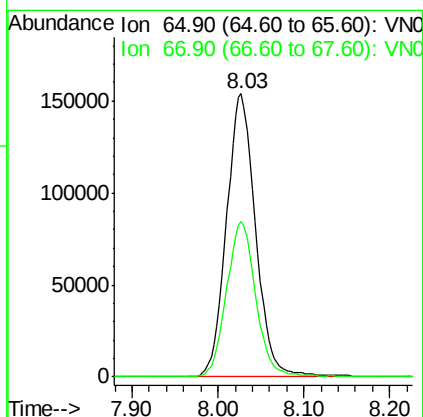
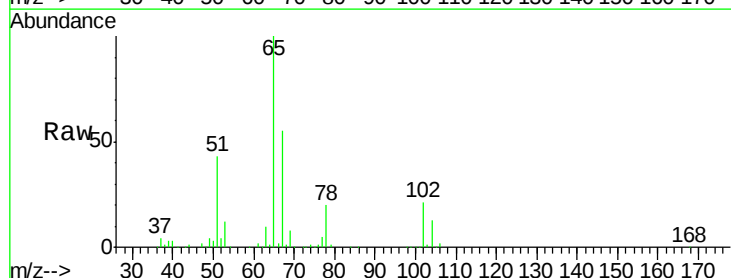
Instrument :
MSVOA_N
ClientSampled :
COMP-5

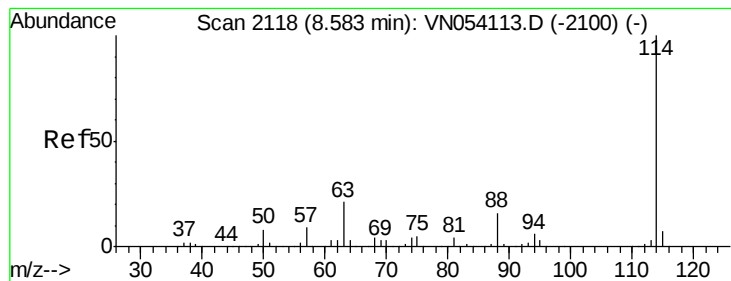
Tgt Ion: 43 Resp: 7862
Ion Ratio Lower Upper
43 100
72 22.7 20.2 30.2



#33
1,2-Dichloroethane-d4
Concen: 51.371 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion: 65 Resp: 361948
Ion Ratio Lower Upper
65 100
67 55.0 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

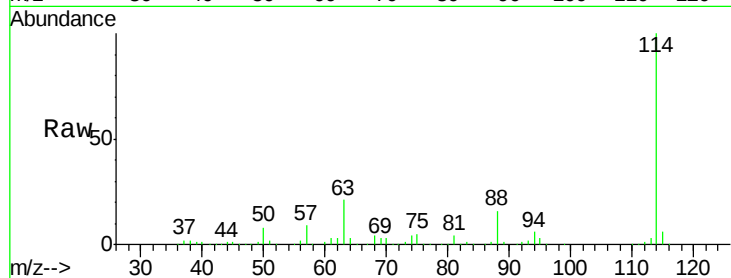
Tgt Ion:114 Resp: 1038086

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

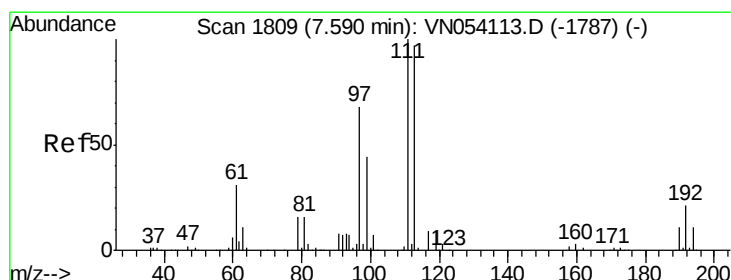
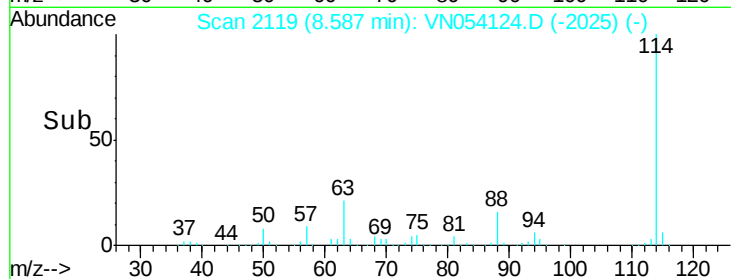
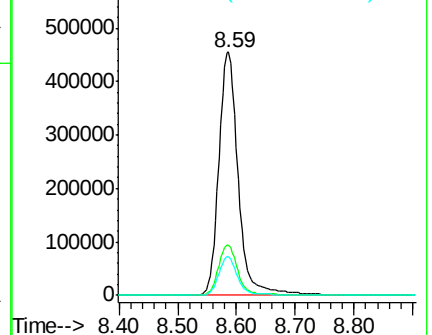
88 15.7 0.0 31.8



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: 49.833 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

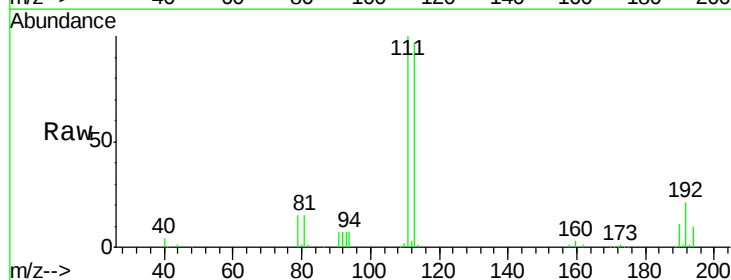
Tgt Ion:113 Resp: 335980

Ion Ratio Lower Upper

113 100

111 102.7 82.1 123.1

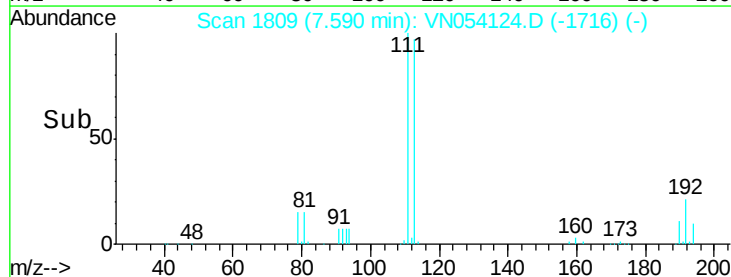
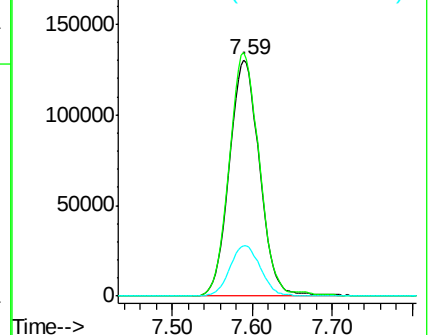
192 21.6 17.4 26.0

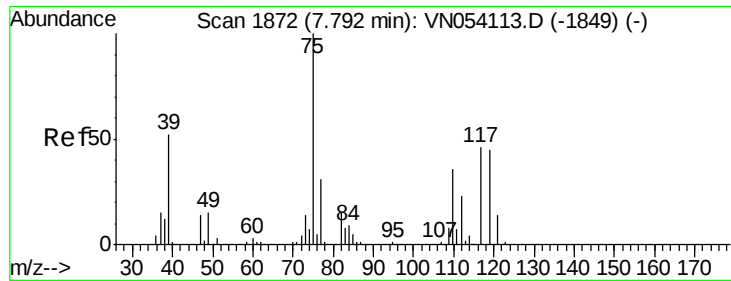


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

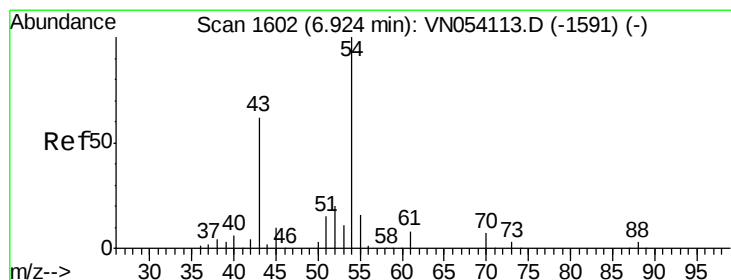
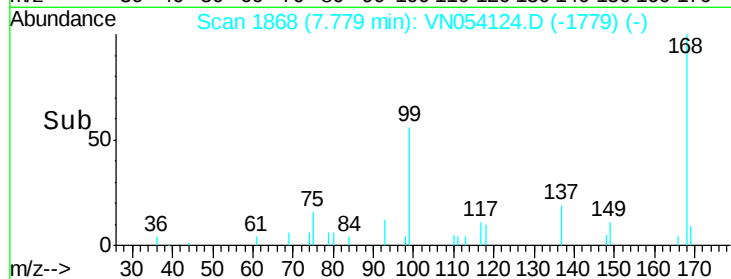
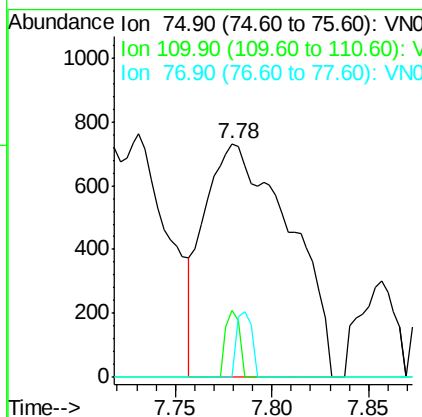
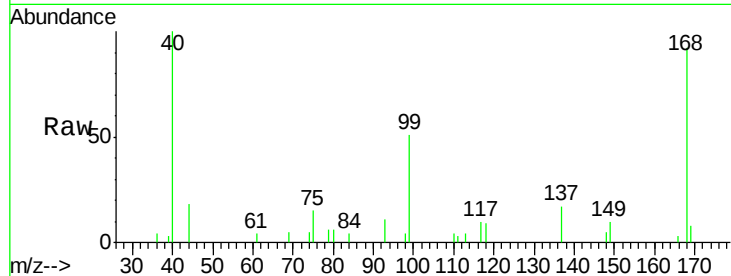




#36
 1,1-Dichloropropene
 Concen: 0.230 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VN054124.D
 Acq: 6 Mar 2019 18:39

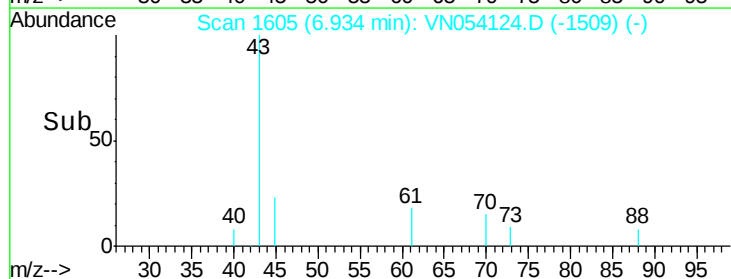
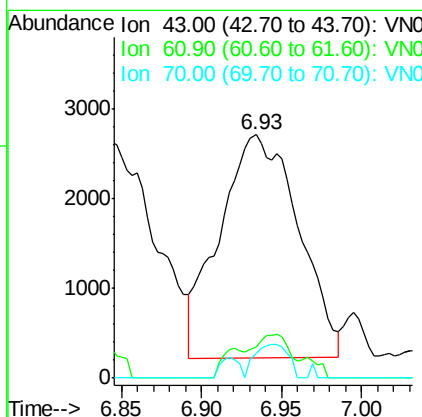
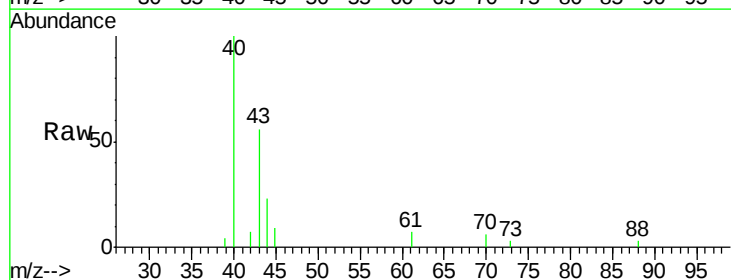
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-5

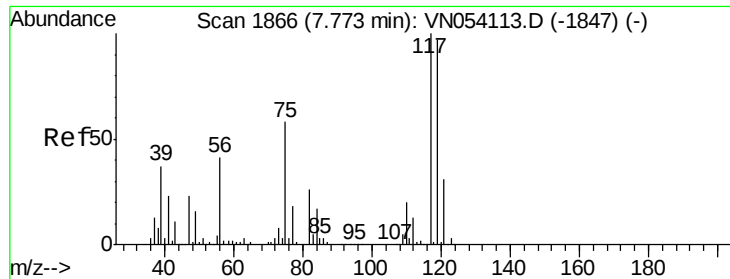
Tgt Ion: 75 Resp: 2243
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.0 54.0#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 1.205 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: VN054124.D
 Acq: 6 Mar 2019 18:39

Tgt Ion: 43 Resp: 8446
 Ion Ratio Lower Upper
 43 100
 61 5.5 11.1 16.7#
 70 6.3 7.6 11.4#

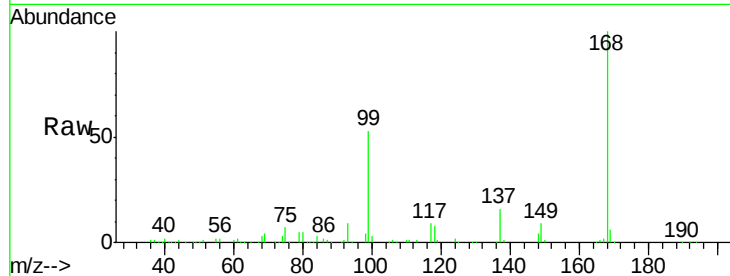




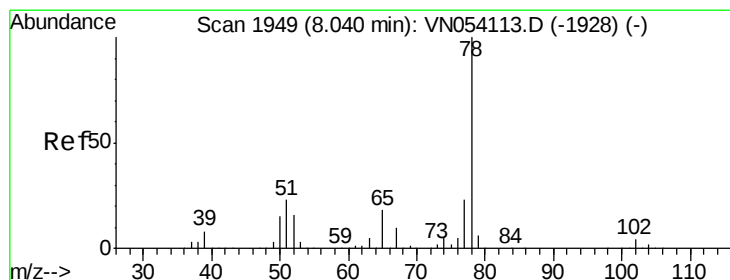
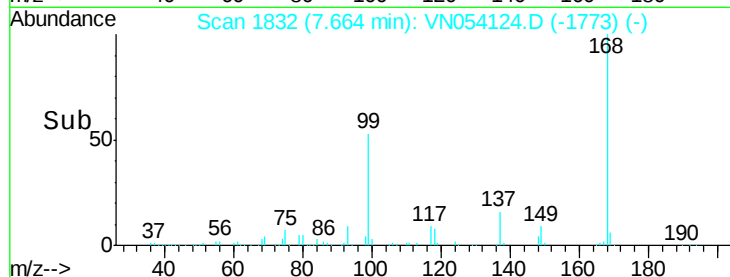
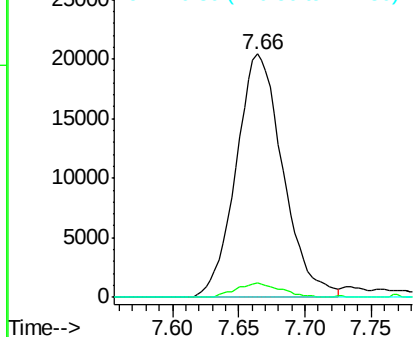
#38
Carbon Tetrachloride
Concen: 5.403 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-5

Tgt Ion:117 Resp: 50254
Ion Ratio Lower Upper
117 100
119 5.9 77.0 115.6#
121 0.0 24.3 36.5#

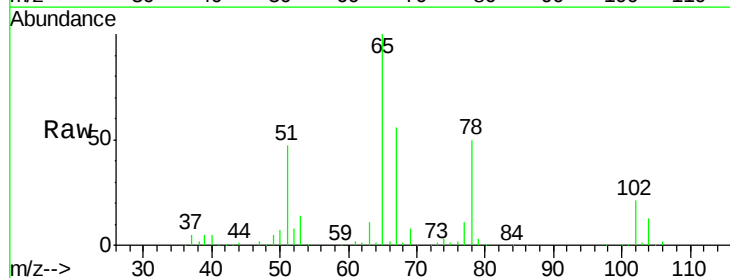


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

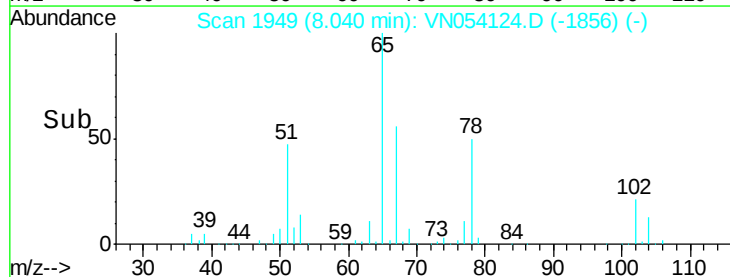
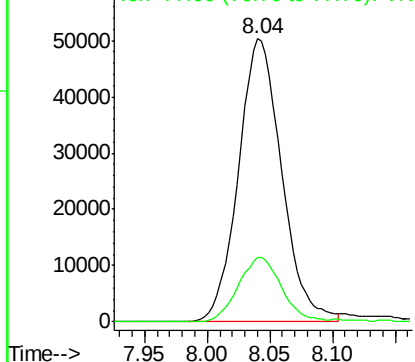


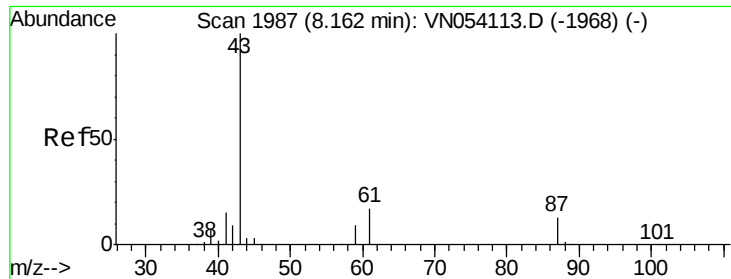
#40
Benzene
Concen: 4.190 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion: 78 Resp: 120796
Ion Ratio Lower Upper
78 100
77 22.6 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#43

Isopropyl Acetate

Concen: 6.096 ug/l

RT: 8.31 min Scan# 2032

Delta R.T. 0.14 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

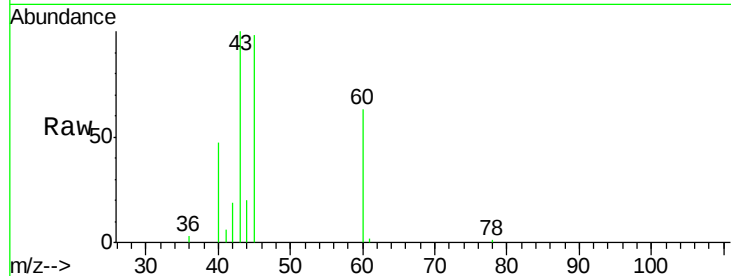
Tgt Ion: 43 Resp: 54363

Ion Ratio Lower Upper

43 100

61 1.2 22.5 33.7#

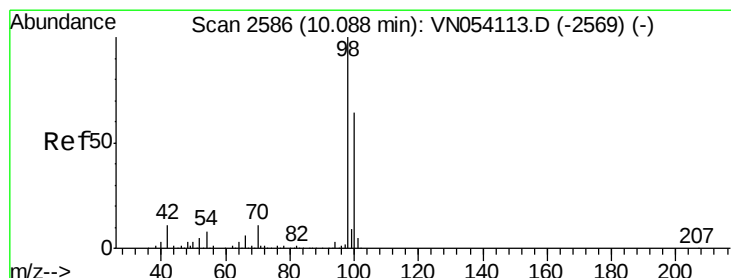
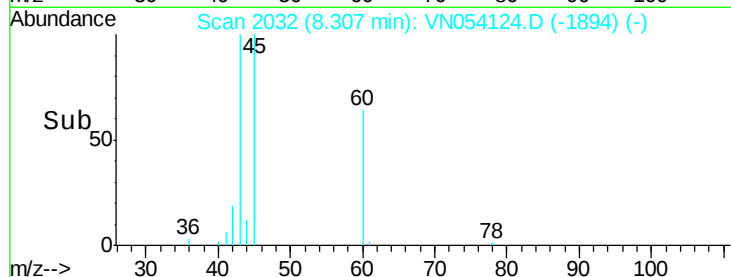
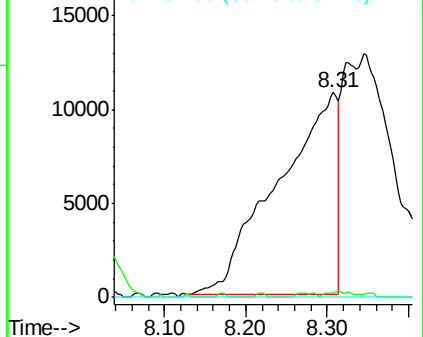
87 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 87.00 (86.70 to 87.70): VNC



#50

Toluene-d8

Concen: 51.659 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054124.D

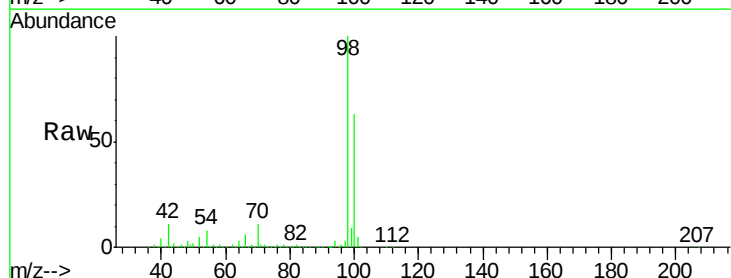
Acq: 6 Mar 2019 18:39

Tgt Ion: 98 Resp: 1322613

Ion Ratio Lower Upper

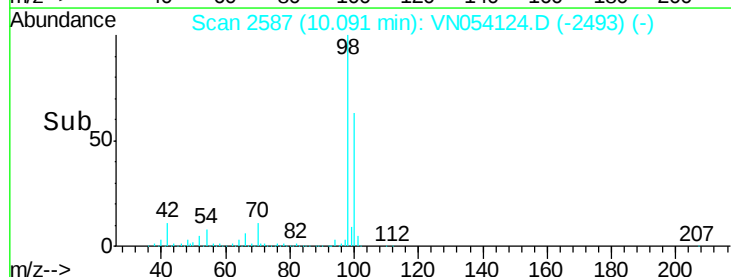
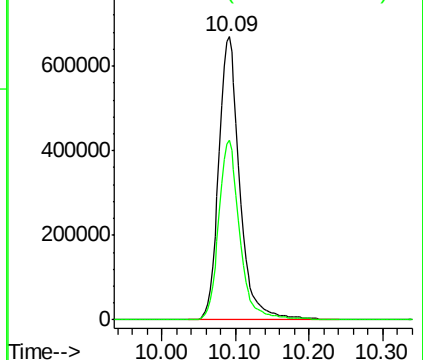
98 100

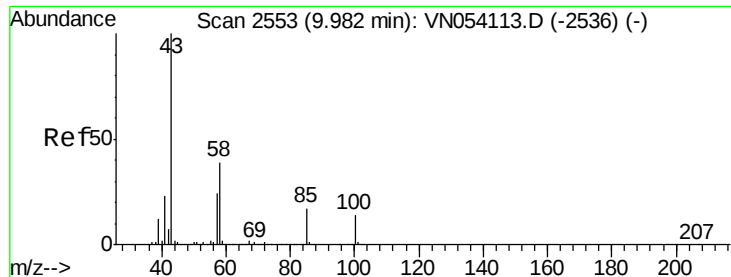
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VNC

Ion 100.00 (99.70 to 100.70): VNC

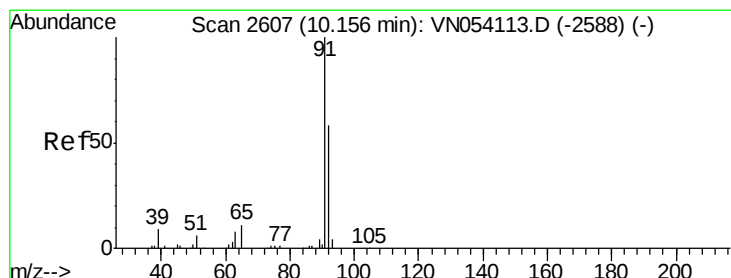
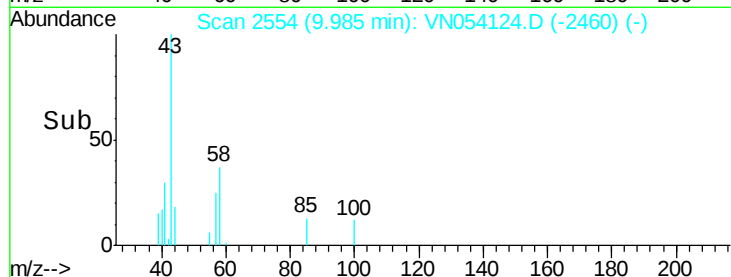
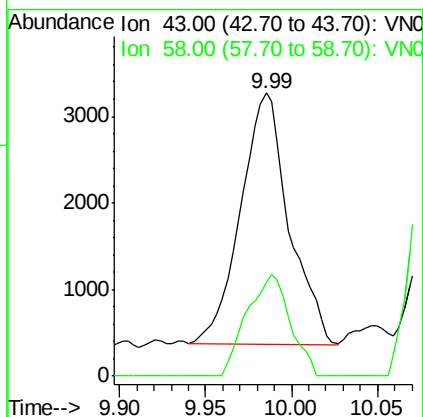
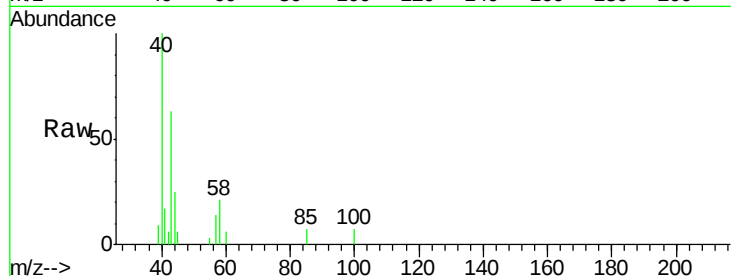




#51
 4-Methyl-2-Pentanone
 Concen: 0.916 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN054124.D
 Acq: 6 Mar 2019 18:39

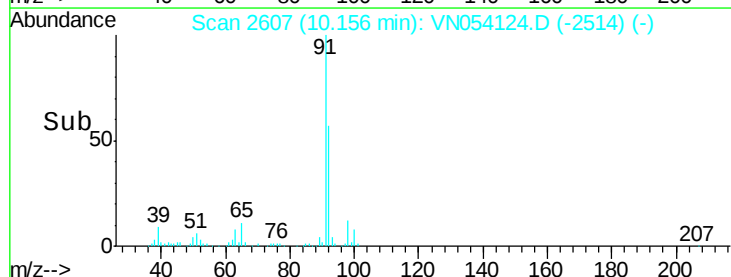
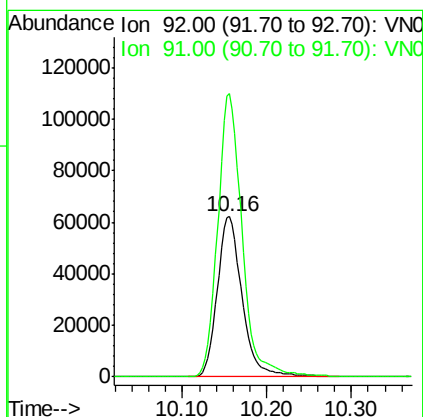
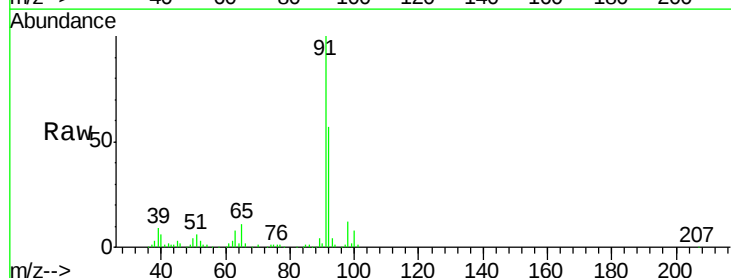
Instrument :
 MSVOA_N
 ClientSampled :
 COMP-5

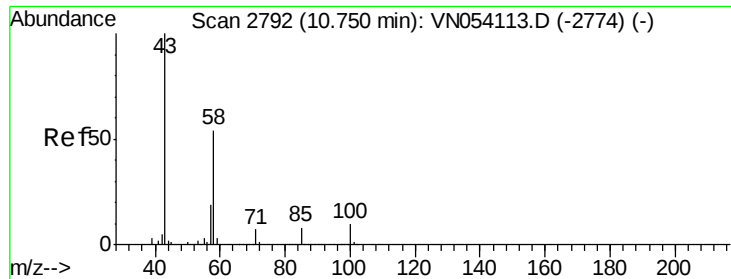
Tgt Ion: 43 Resp: 5701
 Ion Ratio Lower Upper
 43 100
 58 36.1 30.8 46.2



#52
 Toluene
 Concen: 7.461 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN054124.D
 Acq: 6 Mar 2019 18:39

Tgt Ion: 92 Resp: 127425
 Ion Ratio Lower Upper
 92 100
 91 173.5 139.0 208.6

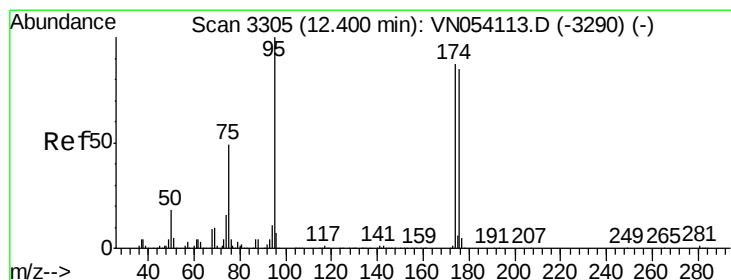
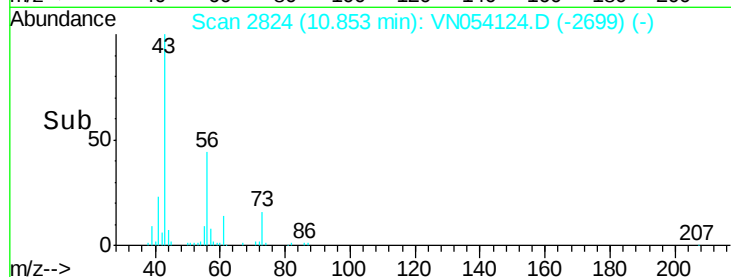
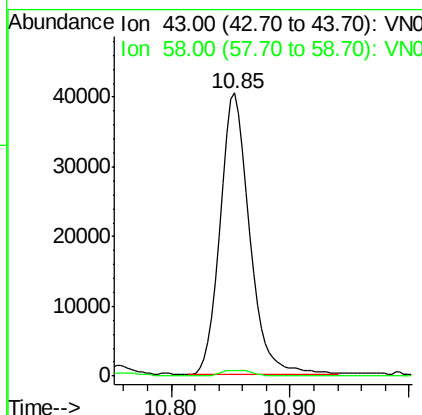
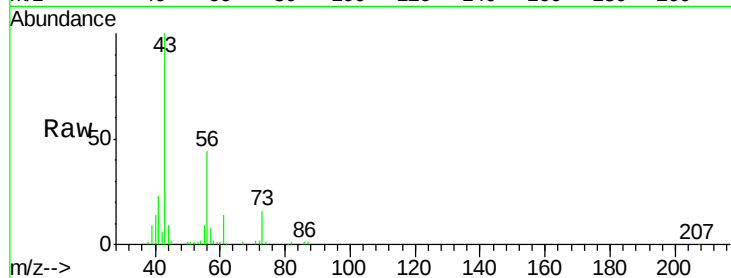




#59
2-Hexanone
Concen: 16.835 ug/l
RT: 10.85 min Scan# 2824
Delta R.T. 0.10 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

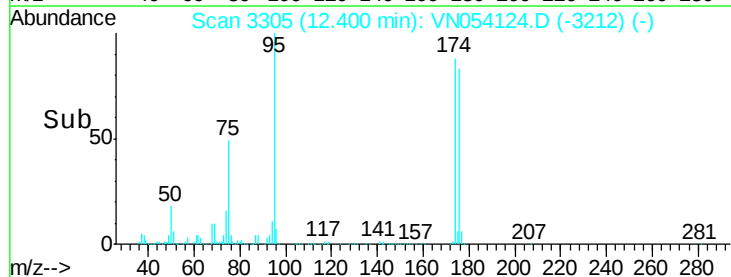
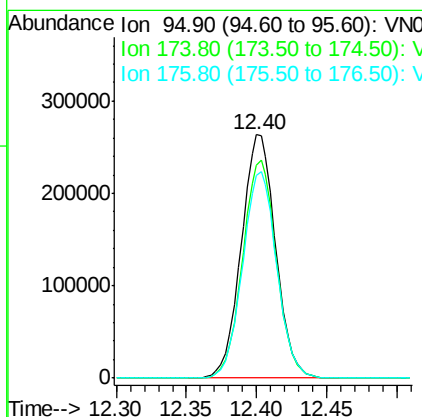
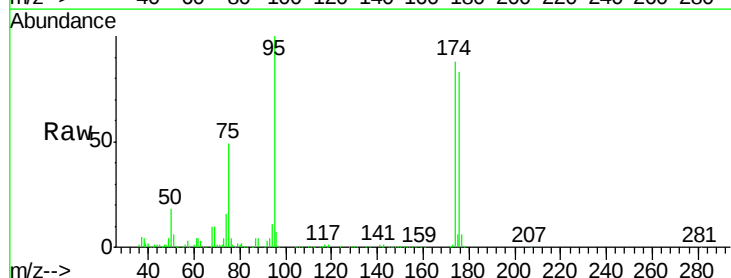
Instrument :
MSVOA_N
ClientSampleId :
COMP-5

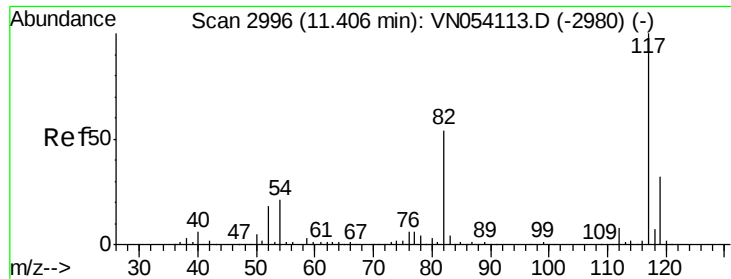
Tgt Ion: 43 Resp: 69084
Ion Ratio Lower Upper
43 100
58 2.1 27.0 81.0#



#62
4-Bromofluorobenzene
Concen: 53.798 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion: 95 Resp: 448434
Ion Ratio Lower Upper
95 100
174 88.3 0.0 173.2
176 84.6 0.0 168.8

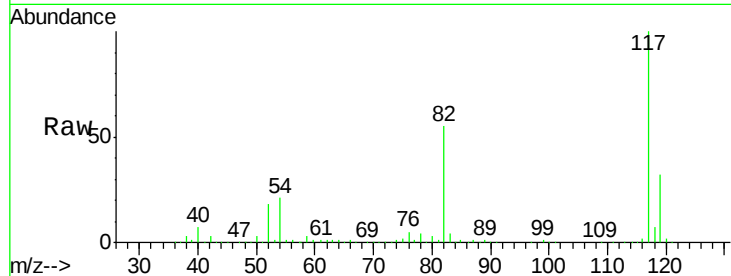




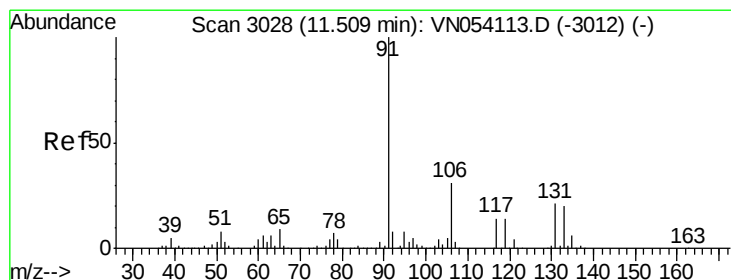
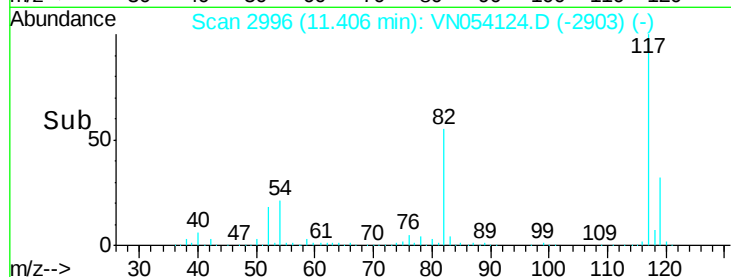
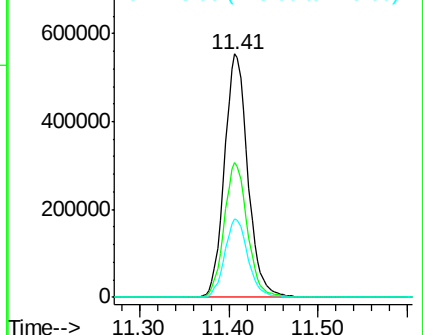
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Instrument :
MSVOA_N
ClientSampled :
COMP-5

Tgt Ion: 117 Resp: 1004086
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.2
119 32.0 26.0 39.0

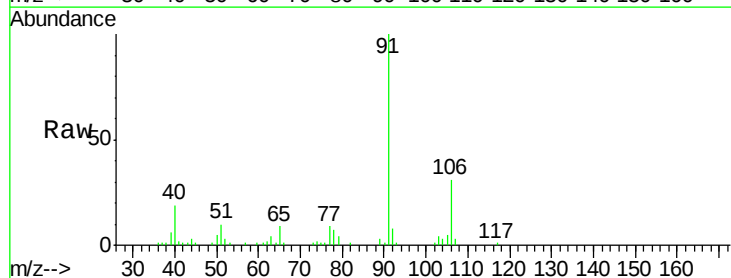


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

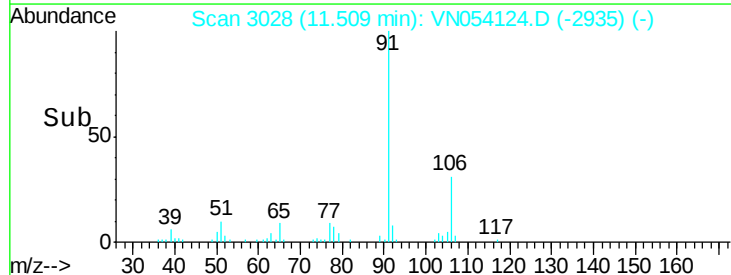
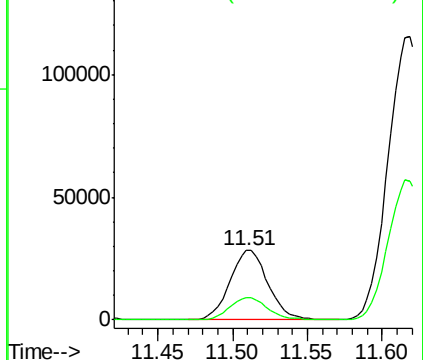


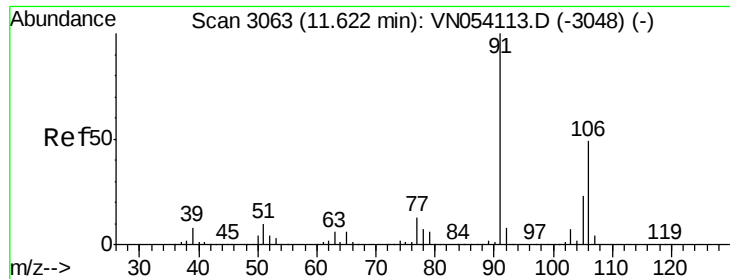
#67
Ethyl Benzene
Concen: 1.436 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion: 91 Resp: 50203
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 106.00 (105.70 to 106.70): V

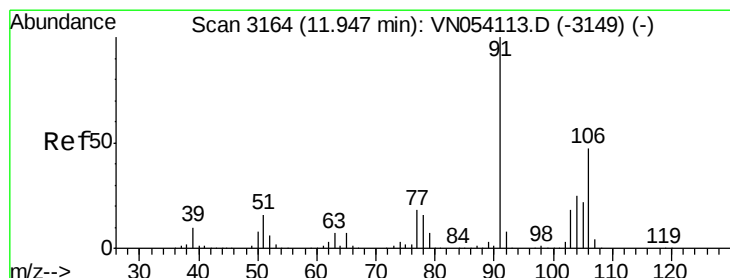
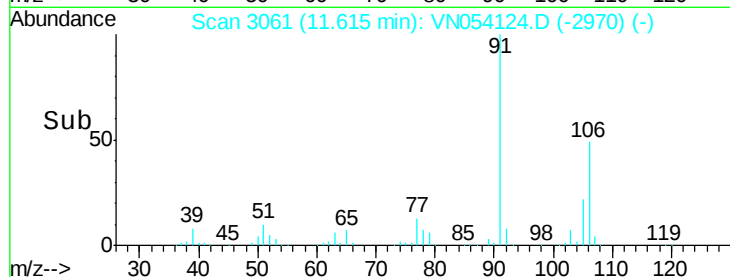
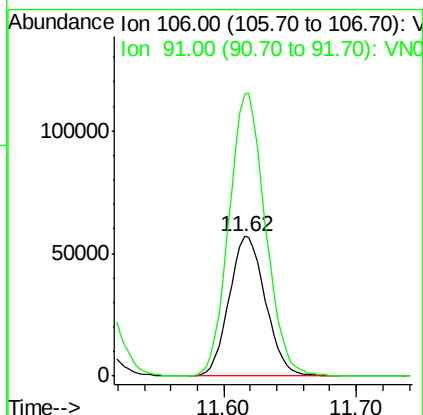
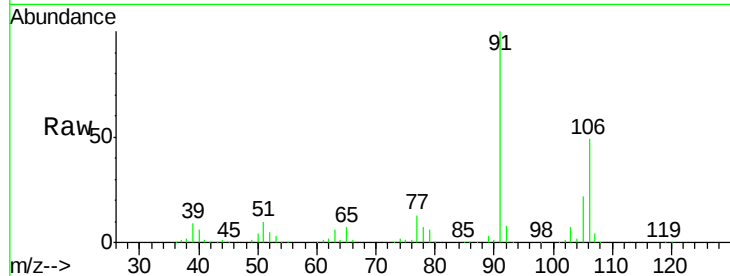




#68
m/p-Xylenes
Concen: 8.235 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

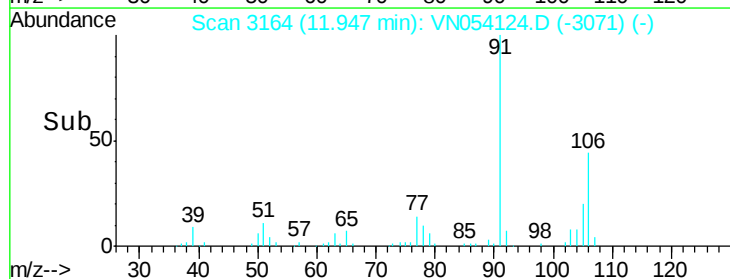
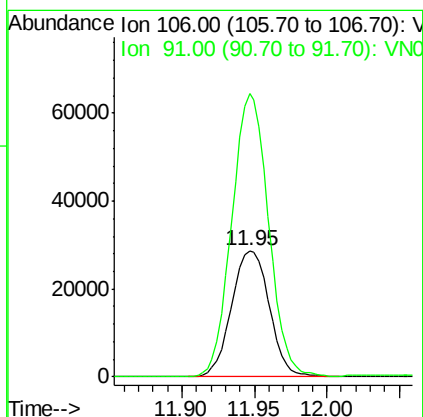
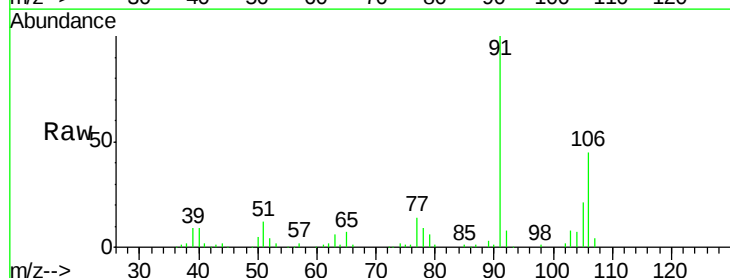
Instrument :
MSVOA_N
ClientSampled :
COMP-5

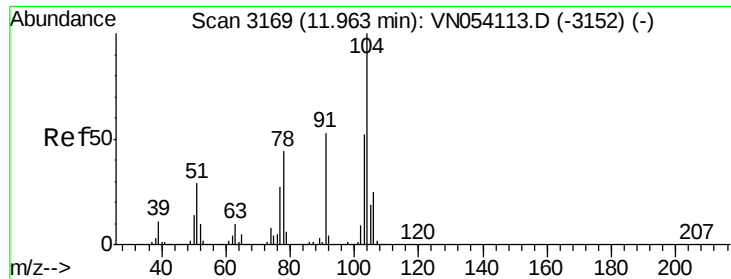
Tgt Ion:106 Resp: 108666
Ion Ratio Lower Upper
106 100
91 202.0 163.2 244.8



#69
o-Xylene
Concen: 4.111 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion:106 Resp: 52205
Ion Ratio Lower Upper
106 100
91 216.9 107.1 321.3





#70

Styrene

Concen: 0.982 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

COMP-5

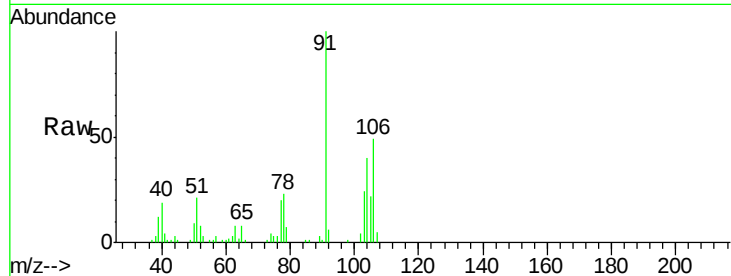
Tgt Ion:104 Resp: 19785

Ion Ratio Lower Upper

104 100

78 74.9 39.4 59.0#

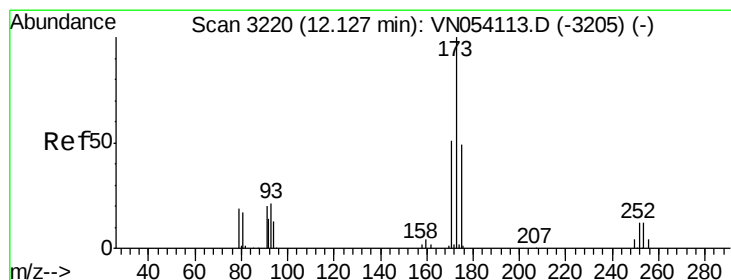
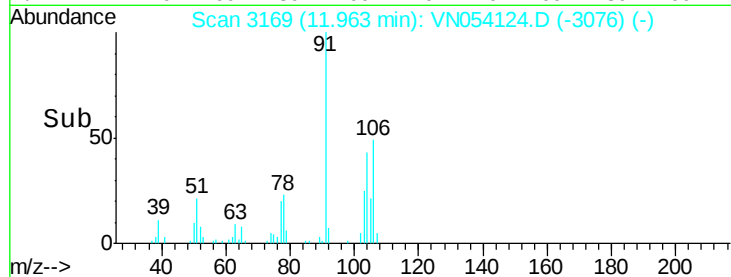
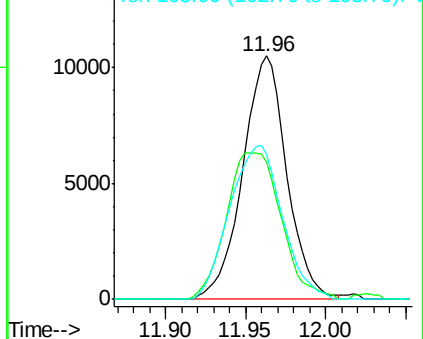
103 75.6 44.7 67.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.725 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

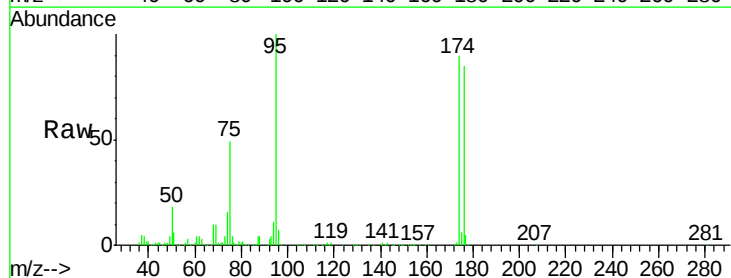
Tgt Ion:173 Resp: 3734

Ion Ratio Lower Upper

173 100

175 652.1 24.1 72.2#

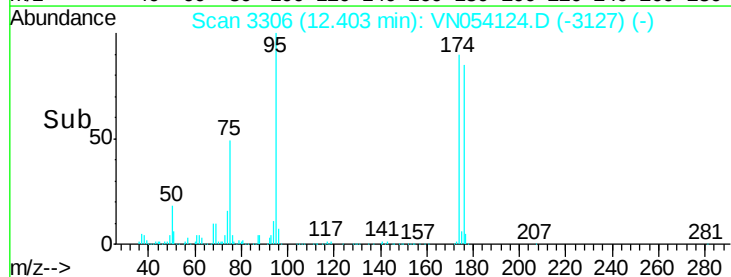
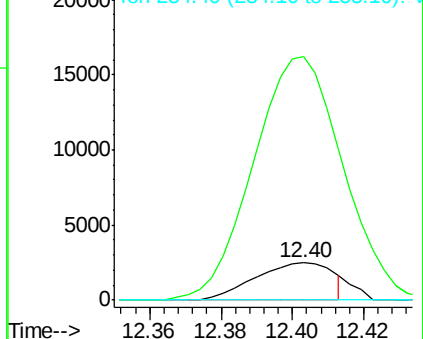
254 0.0 0.0 0.0

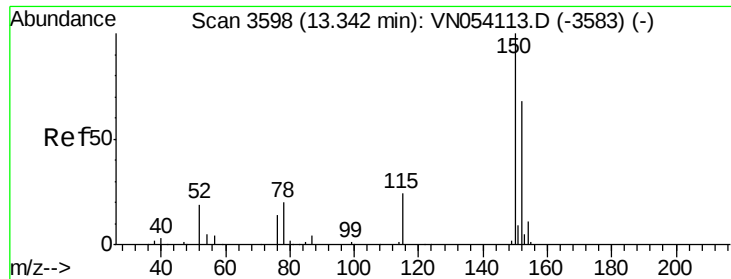


Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

COMP-5

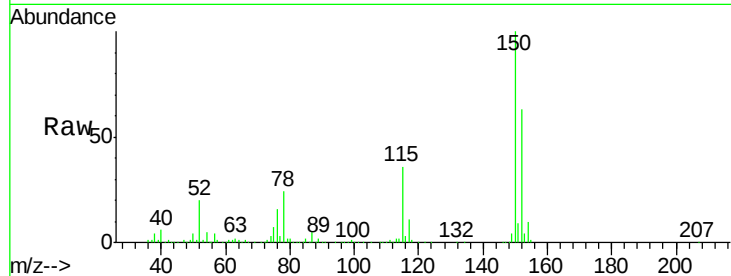
Tgt Ion:152 Resp: 368904

Ion Ratio Lower Upper

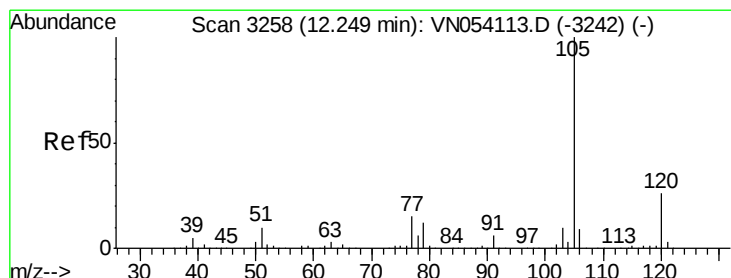
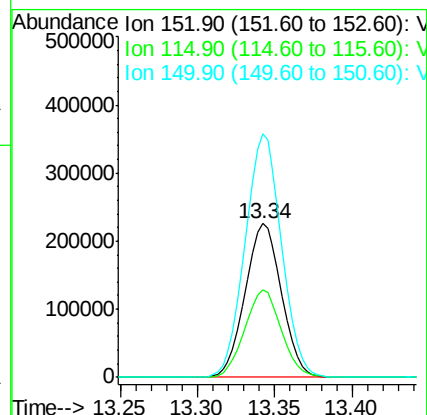
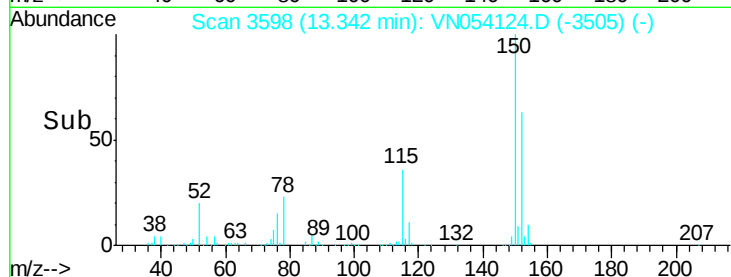
152 100

115 57.6 28.5 85.6

150 158.7 0.0 343.2



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



#73

Isopropylbenzene

Concen: 0.243 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054124.D

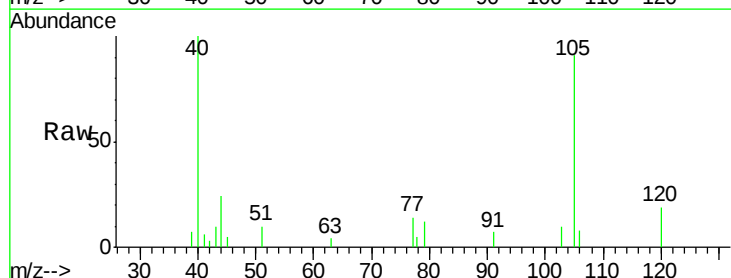
Acq: 6 Mar 2019 18:39

Tgt Ion:105 Resp: 7137

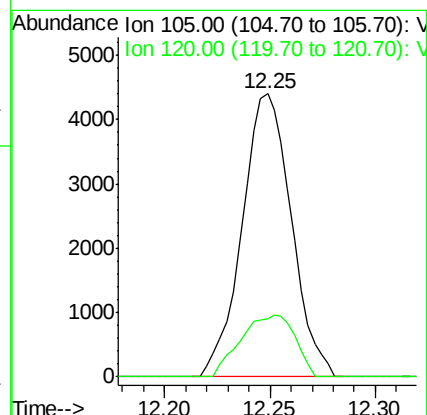
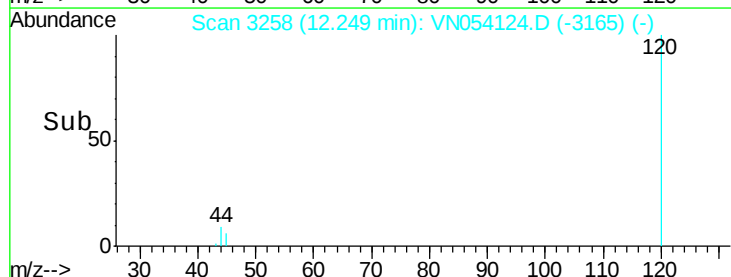
Ion Ratio Lower Upper

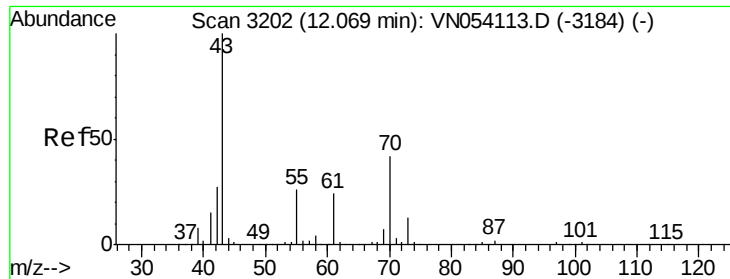
105 100

120 24.1 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amyI acetate

Concen: 62.885 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

Tgt Ion: 43 Resp: 488873

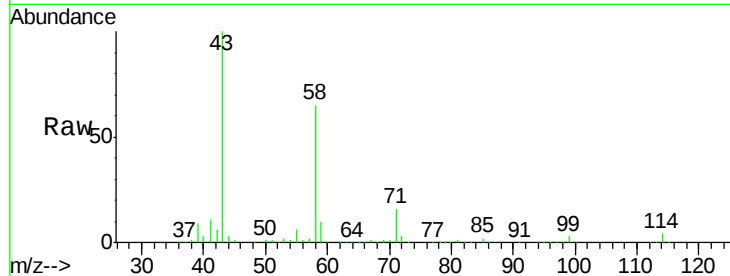
Ion Ratio Lower Upper

43 100

70 0.5 33.6 50.4#

55 6.1 20.6 31.0#

61 0.0 19.4 29.2#

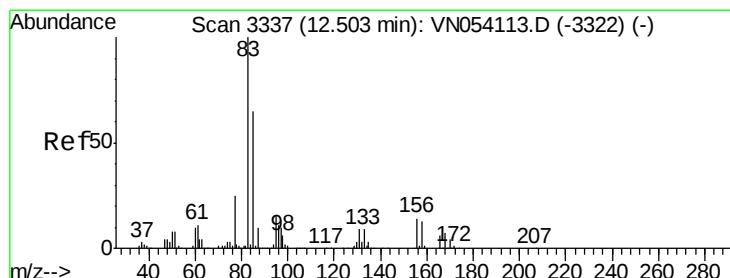
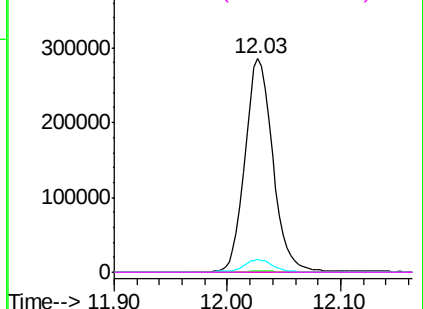
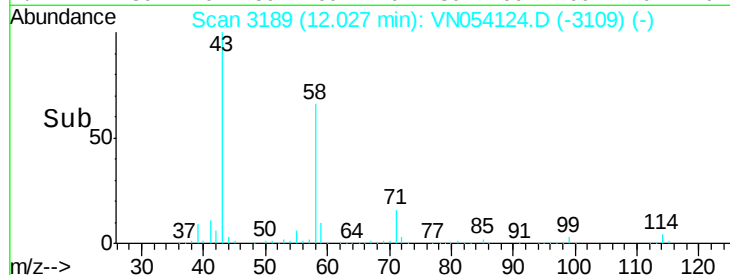


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

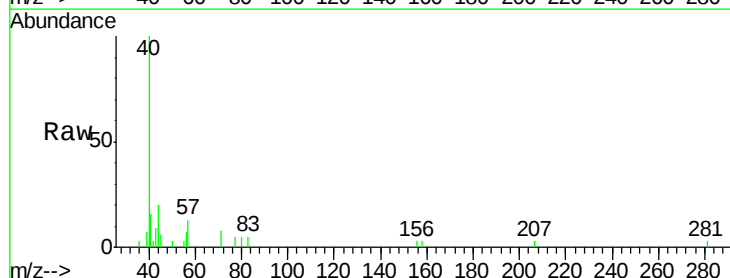
Tgt Ion: 83 Resp: 239

Ion Ratio Lower Upper

83 100

131 0.0 5.0 14.9#

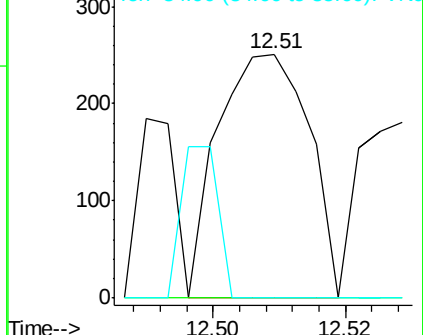
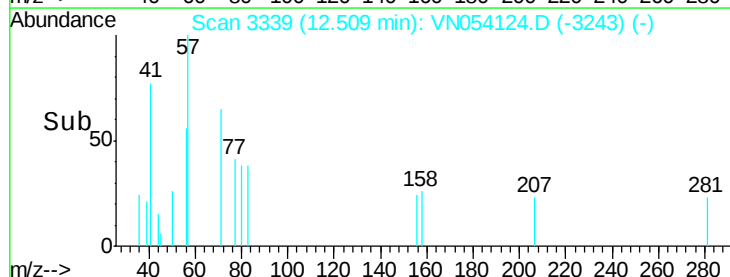
85 0.0 32.4 97.0#

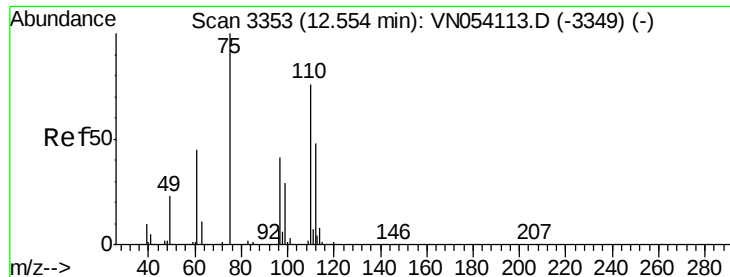


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.494 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

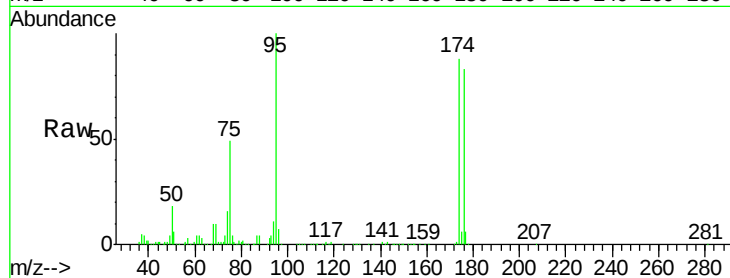
COMP-5

Tgt Ion: 75 Resp: 216861

Ion Ratio Lower Upper

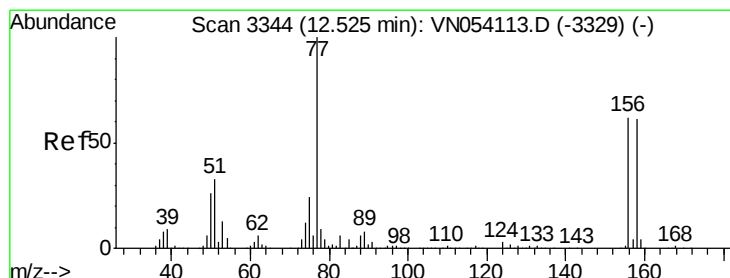
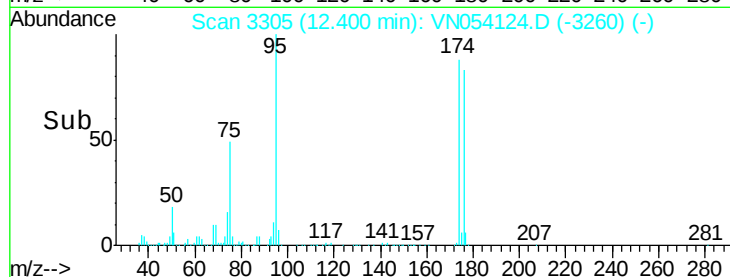
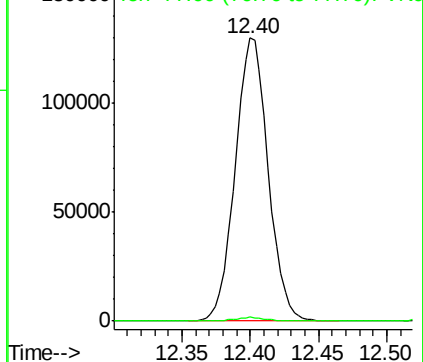
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN054113.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN054113.D (-3349) (-)



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

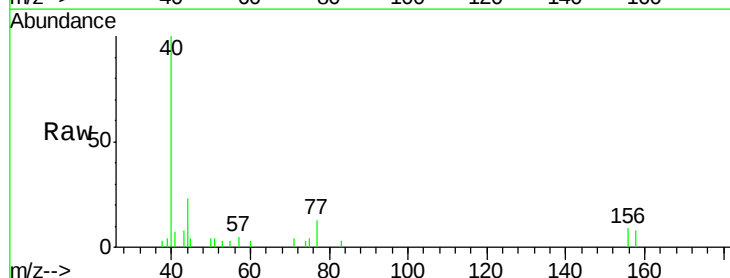
Tgt Ion: 156 Resp: 772

Ion Ratio Lower Upper

156 100

77 156.2 93.6 280.8

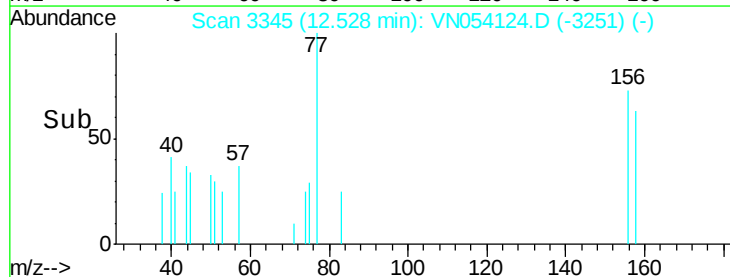
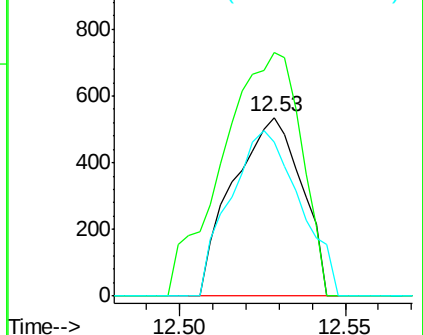
158 94.0 48.4 145.0

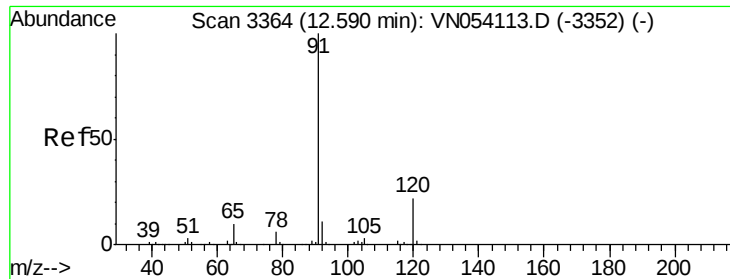


Abundance Ion 155.80 (155.50 to 156.50): VN054113.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN054113.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN054113.D (-3329) (-)





#78

n-propylbenzene

Concen: 0.564 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampled :

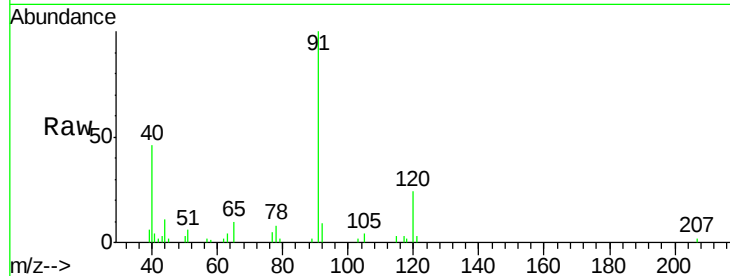
COMP-5

Tgt Ion: 91 Resp: 18620

Ion Ratio Lower Upper

91 100

120 24.5 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN054113.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN054113.D (-3352) (-)

12000

10000

8000

6000

4000

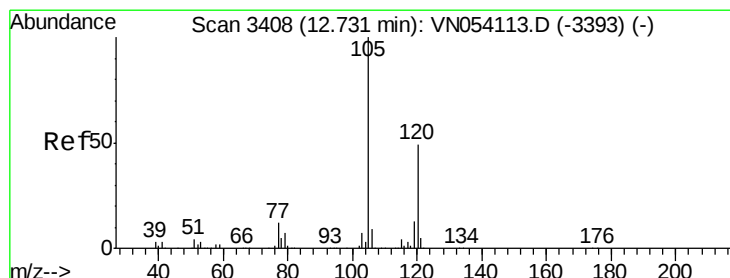
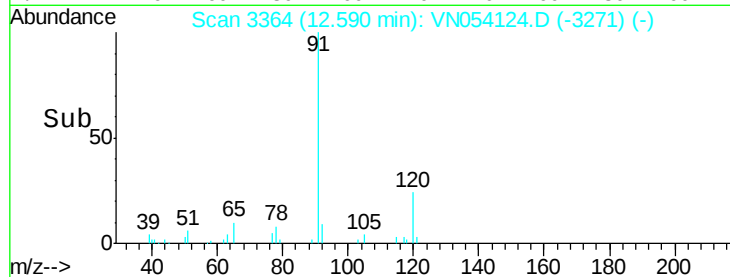
2000

0

Time-->

12.55

12.60



#80

1,3,5-Trimethylbenzene

Concen: 1.076 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054124.D

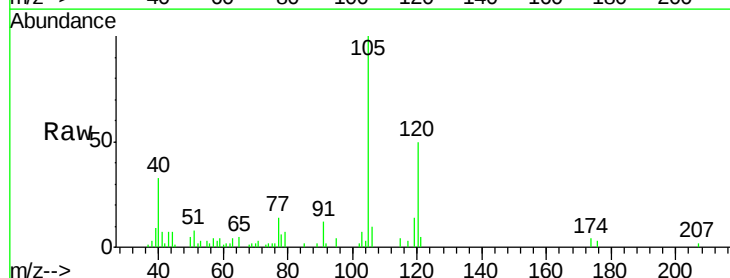
Acq: 6 Mar 2019 18:39

Tgt Ion:105 Resp: 25665

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): VN054113.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN054113.D (-3393) (-)

15000

10000

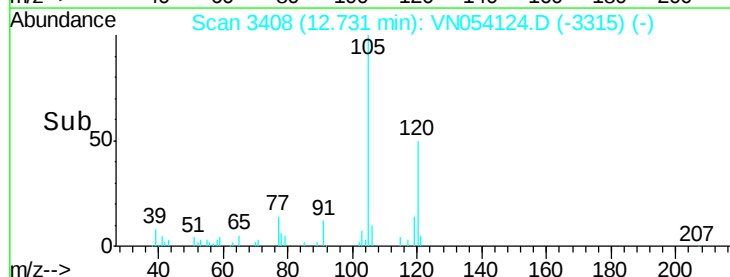
5000

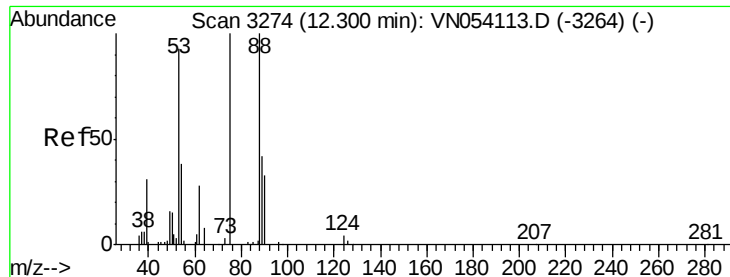
0

Time-->

12.70

12.75





#81

trans-1,4-Dichloro-2-butene

Concen: 118.458 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

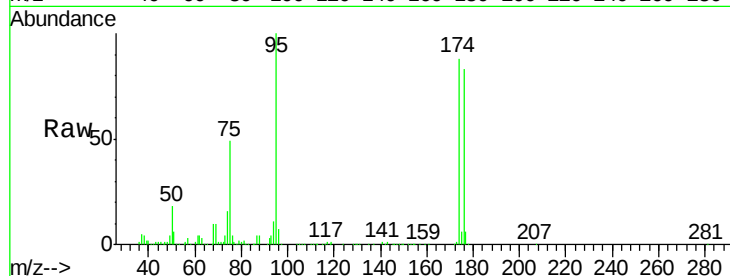
Tgt Ion: 75 Resp: 216861

Ion Ratio Lower Upper

75 100

53 0.1 76.4 114.6#

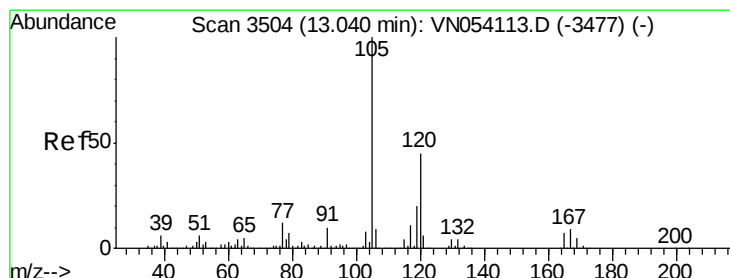
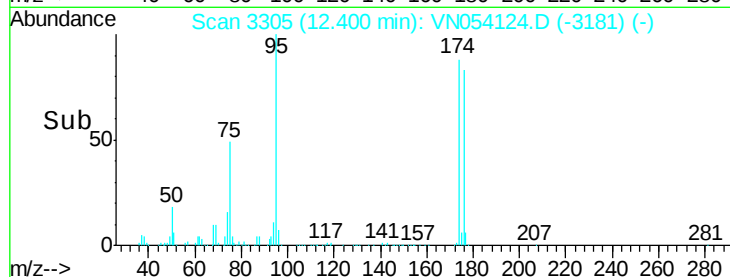
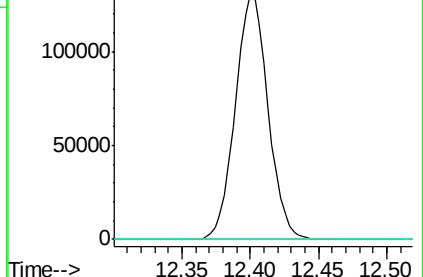
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN054124.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN054124.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054124.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 3.065 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054124.D

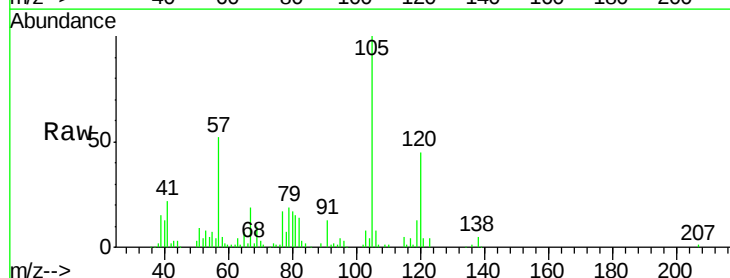
Acq: 6 Mar 2019 18:39

Tgt Ion: 105 Resp: 72580

Ion Ratio Lower Upper

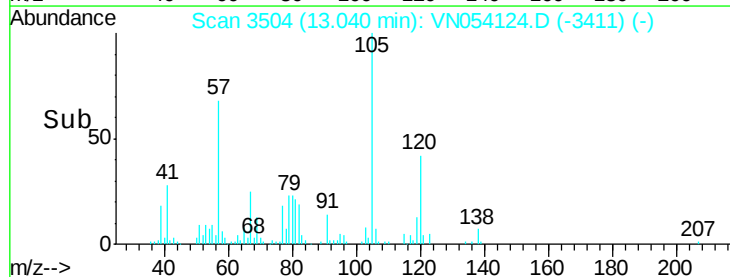
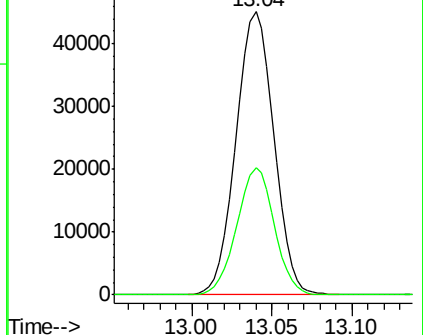
105 100

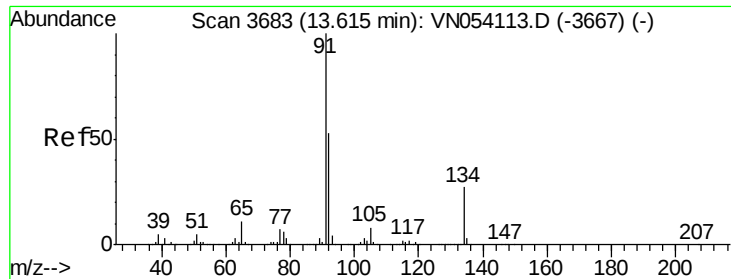
120 44.3 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): VN054124.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN054124.D (-3411) (-)

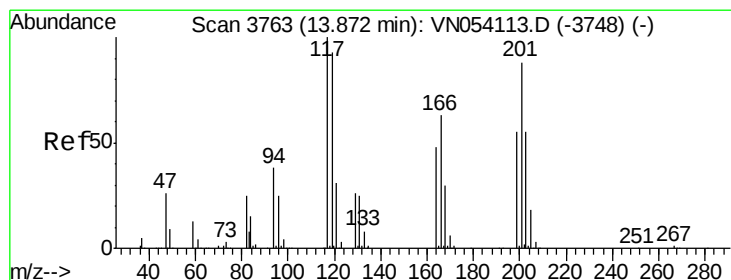
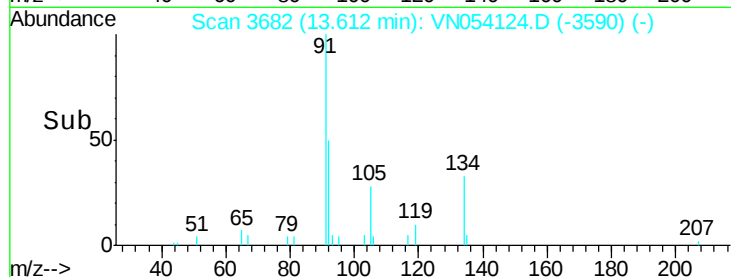
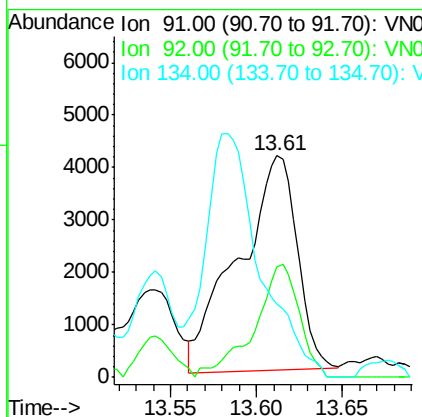
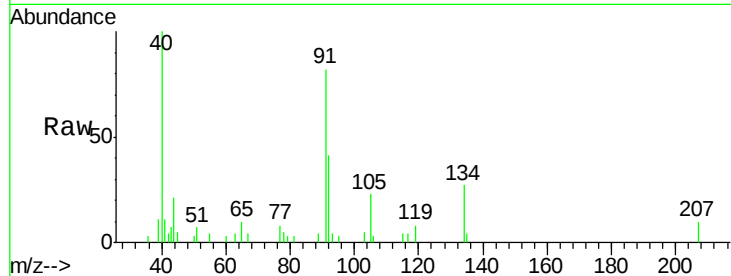




#89
n-Butylbenzene
Concen: 0.477 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

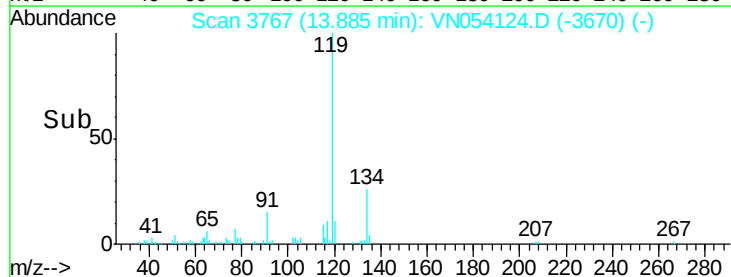
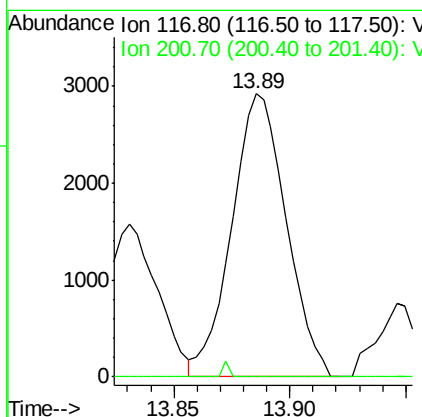
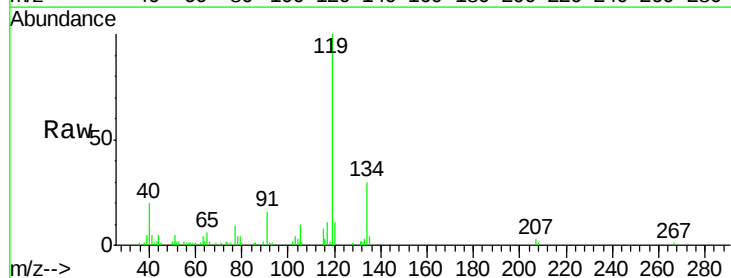
Instrument :
MSVOA_N
ClientSampled :
COMP-5

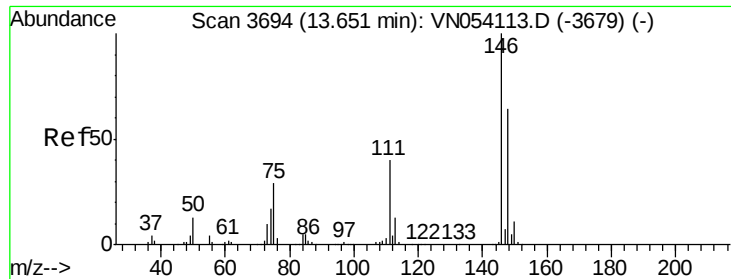
Tgt Ion: 91 Resp: 9716
Ion Ratio Lower Upper
91 100
92 40.1 26.0 78.0
134 0.0 13.1 39.1#



#90
Hexachloroethane
Concen: 1.031 ug/l
RT: 13.89 min Scan# 3767
Delta R.T. 0.01 min
Lab File: VN054124.D
Acq: 6 Mar 2019 18:39

Tgt Ion: 117 Resp: 4769
Ion Ratio Lower Upper
117 100
201 0.7 44.9 134.7#





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.66 min Scan# 3696

Delta R.T. 0.01 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

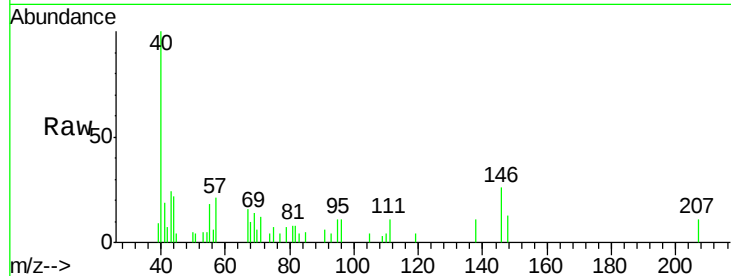
Tgt Ion:146 Resp: 2007

Ion Ratio Lower Upper

146 100

111 43.6 20.0 60.0

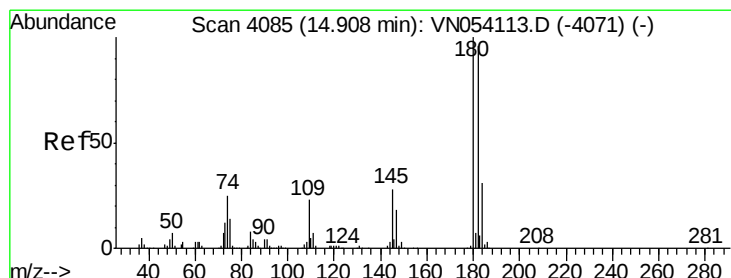
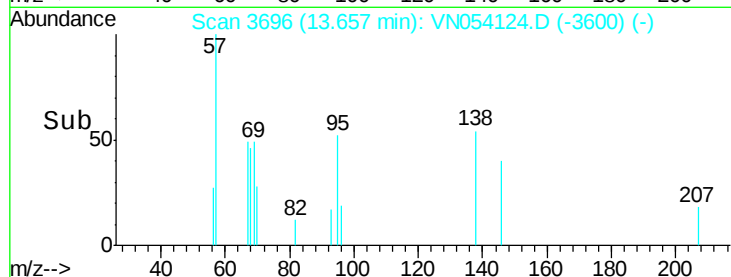
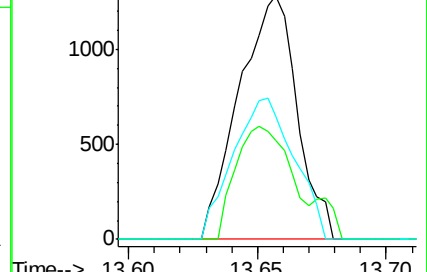
148 61.1 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#93

1,2,4-Trichlorobenzene

Concen: 0.587 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

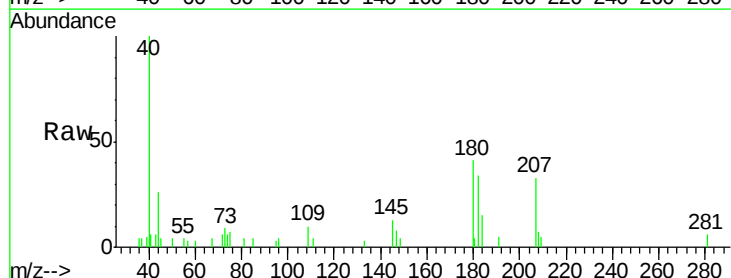
Tgt Ion:180 Resp: 3582

Ion Ratio Lower Upper

180 100

182 86.0 48.1 144.3

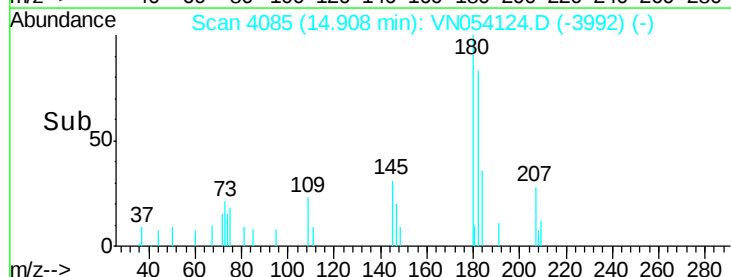
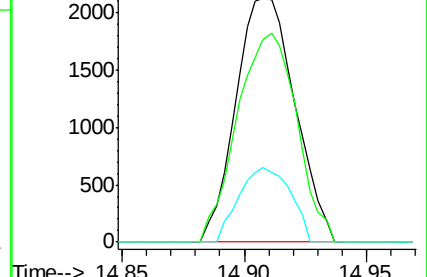
145 26.7 13.9 41.7

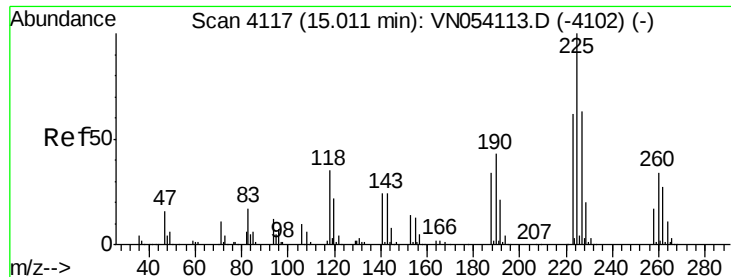


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

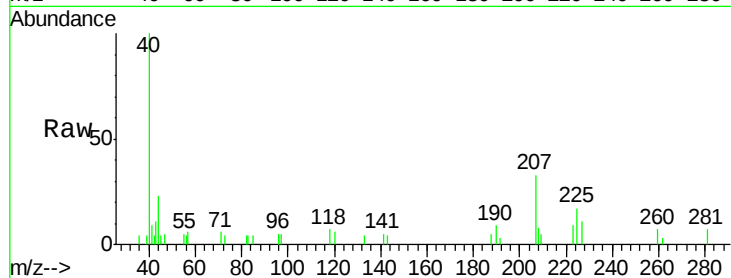
Tgt Ion:225 Resp: 1118

Ion Ratio Lower Upper

225 100

223 48.7 31.2 93.6

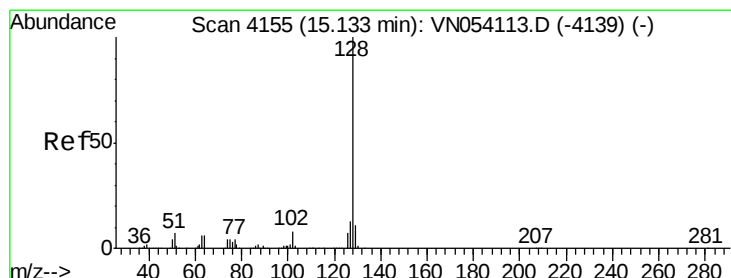
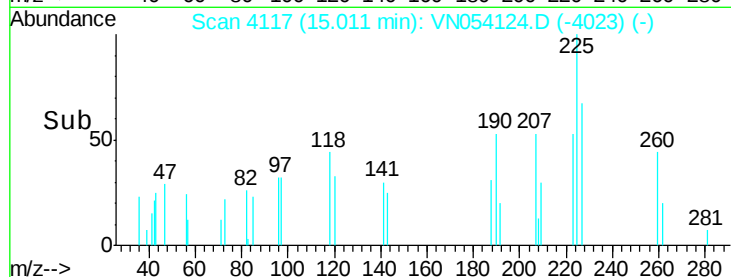
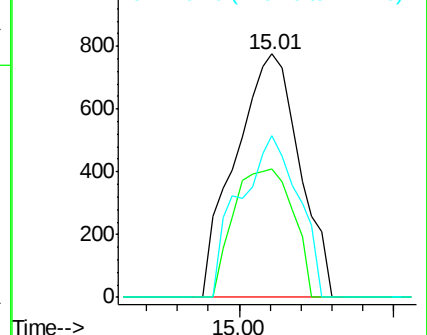
227 61.4 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 7.194 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054124.D

Acq: 6 Mar 2019 18:39

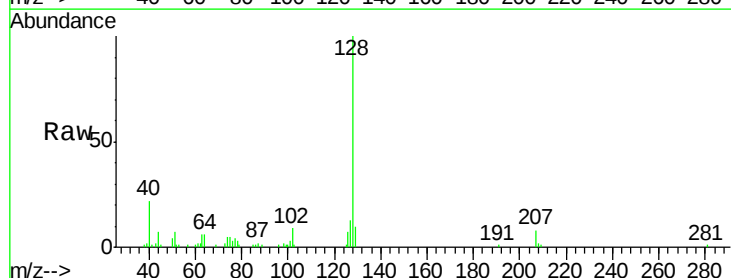
Tgt Ion:128 Resp: 39446

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

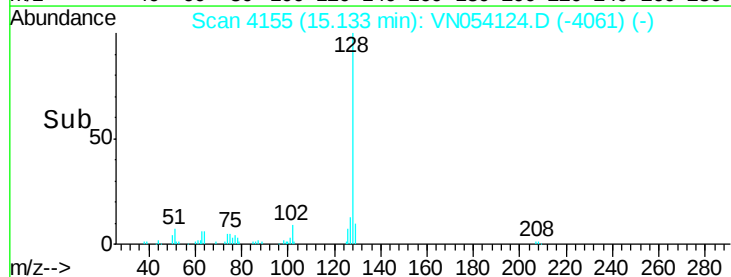
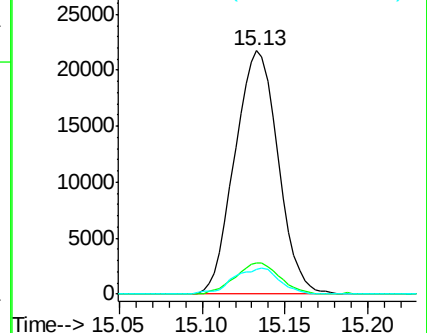
129 11.4 8.6 12.8

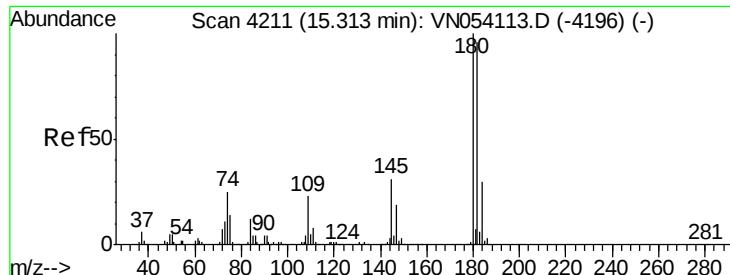


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

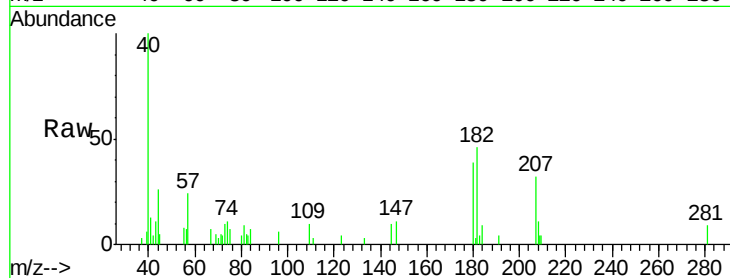




#96
 1,2,3-Trichlorobenzene
 Concen: 3.013 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN054124.D
 Acq: 6 Mar 2019 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-5

Tgt Ion:180 Resp: 3814
 Ion Ratio Lower Upper
 180 100
 182 98.4 47.9 143.7
 145 27.7 14.9 44.5



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

