

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020419\
 Data File : VN053606.D
 Acq On : 4 Feb 2019 19:31
 Operator : JC/SP
 Sample : K1359-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Feb 05 03:36:57 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	863760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1371479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1233257	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	558210	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	435047	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	
35) Dibromofluoromethane	7.59	113	421863	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	10.09	98	1640668	50.42	ug/l	0.00
Spiked Amount			Recovery	=	100.84%	
62) 4-Bromofluorobenzene	12.40	95	571561	52.67	ug/l	0.00
Spiked Amount			Recovery	=	105.34%	

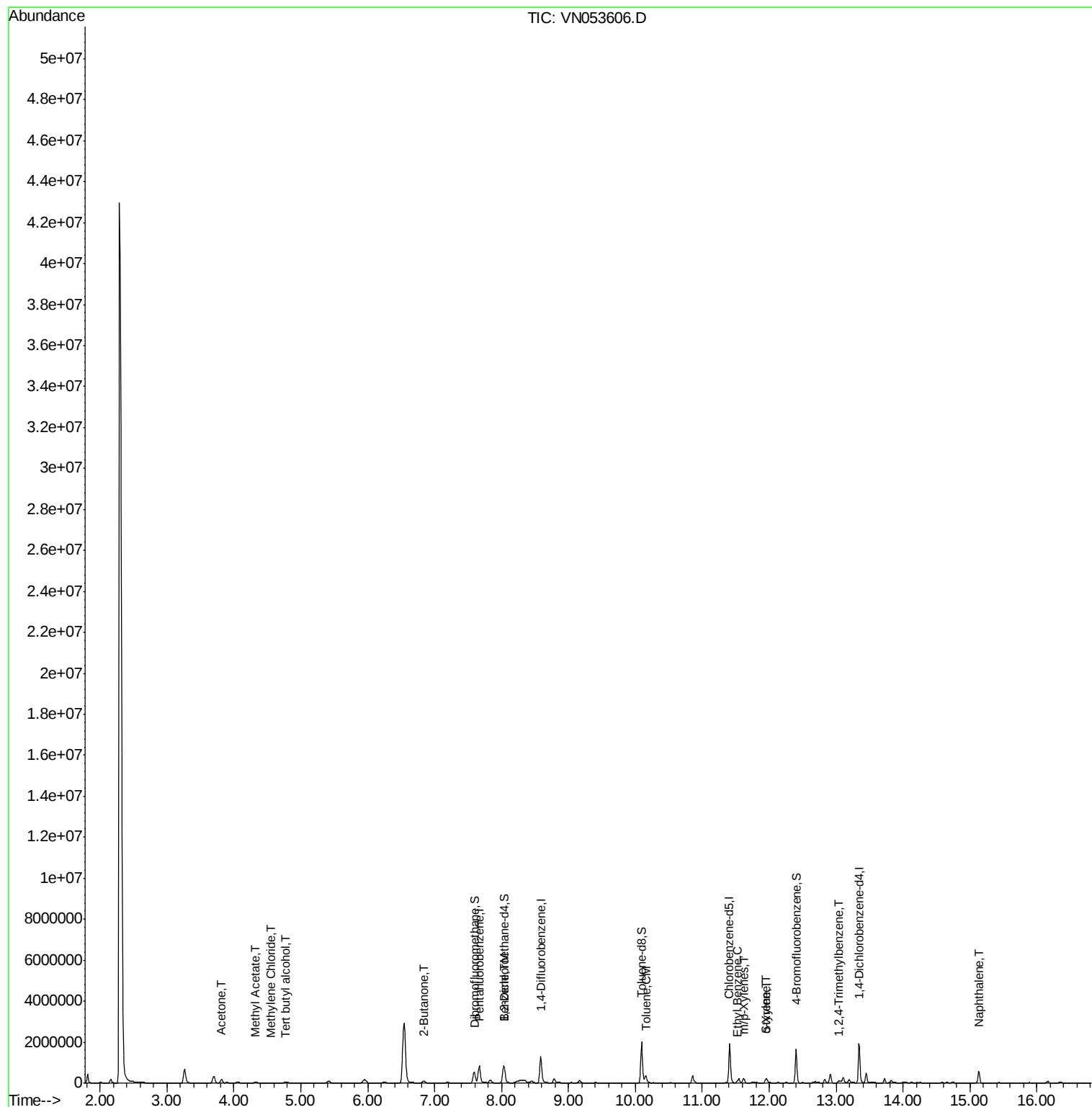
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	102088	199.069	ug/l	98
16) Acetone	3.82	43	276216	124.274	ug/l	98
18) Methyl Acetate	4.32	43	112936	17.157	ug/l	99
20) Methylene Chloride	4.55	84	12154	1.303	ug/l	91
25) 2-Butanone	6.84	43	191904	60.538	ug/l	97
40) Benzene	8.04	78	507066	13.300	ug/l	98
52) Toluene	10.16	92	159994	7.071	ug/l	99
67) Ethyl Benzene	11.51	91	51369	1.194	ug/l	98
68) m/p-Xylenes	11.62	106	76938	4.685	ug/l	98
69) o-Xylene	11.95	106	33325	2.100	ug/l	98
70) Styrene	11.96	104	53526	2.081	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	82128	2.477	ug/l	88
95) Naphthalene	15.13	128	512459	21.909	ug/l	99

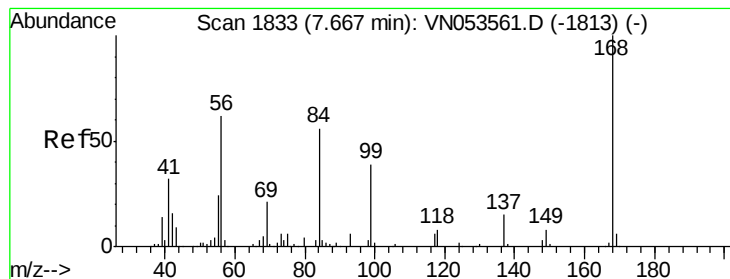
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

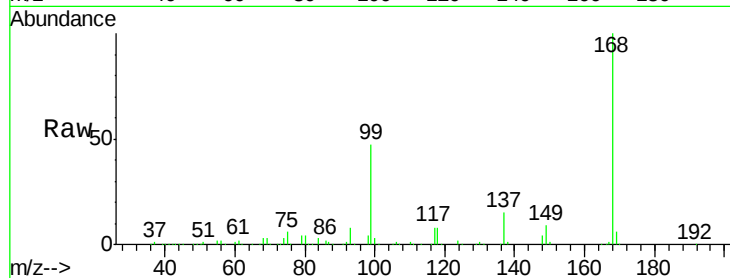
COMP-1

Tot Ion:168 Resp: 863760

Ion Ratio Lower Upper

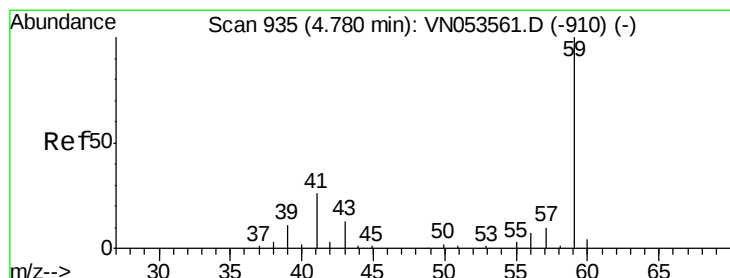
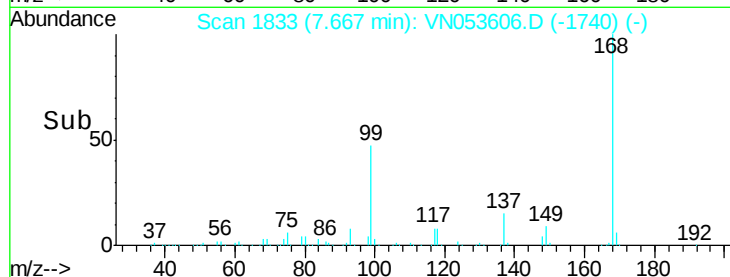
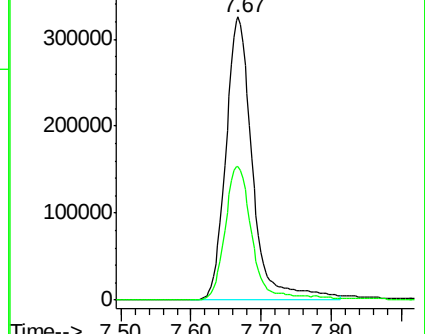
168 100

99 47.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 199.069 ug/l

RT: 4.78 min Scan# 934

Delta R.T. -0.00 min

Lab File: VN053606.D

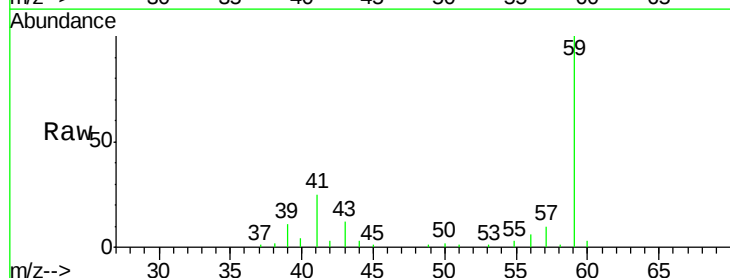
Acq: 4 Feb 2019 19:31

Tgt Ion: 59 Resp: 102088

Ion Ratio Lower Upper

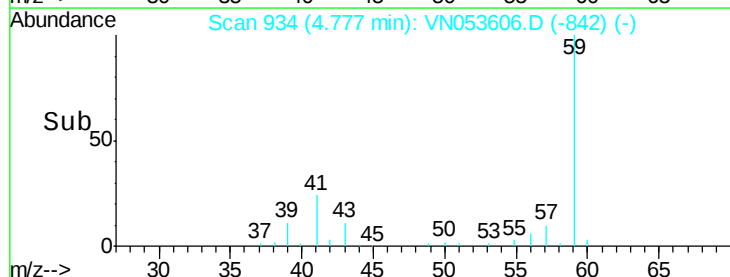
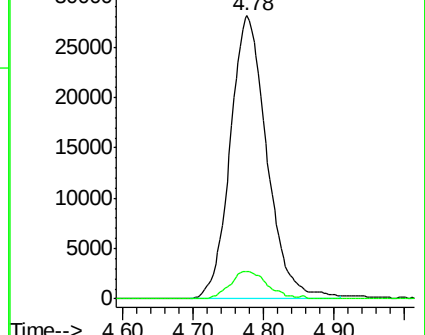
59 100

57 9.7 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 124.274 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

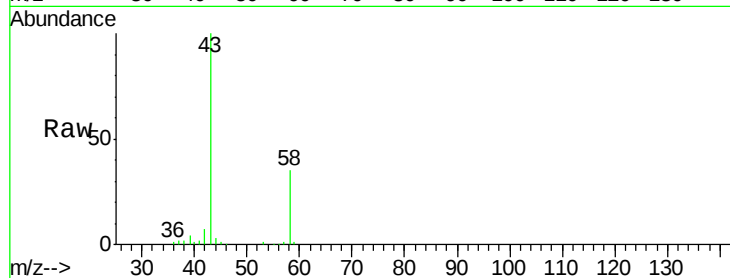
COMP-1

Tot Ion: 43 Resp: 276216

Ion Ratio Lower Upper

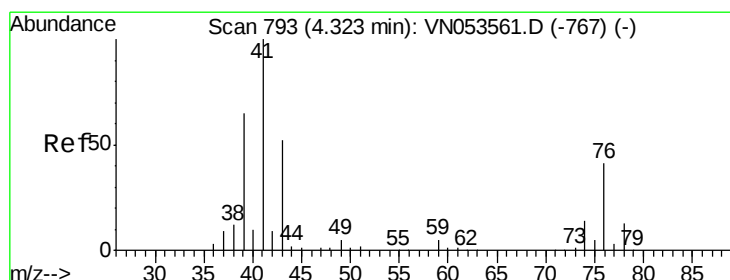
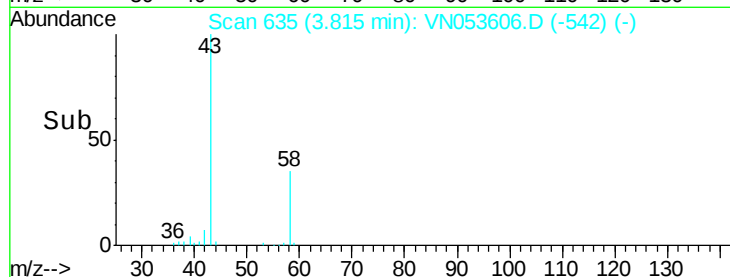
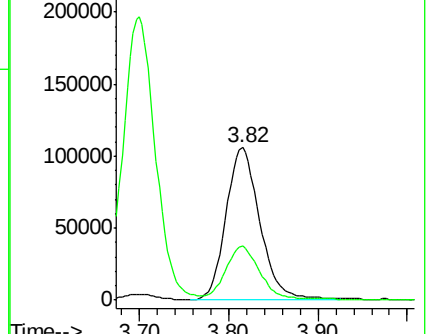
43 100

58 34.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 17.157 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN053606.D

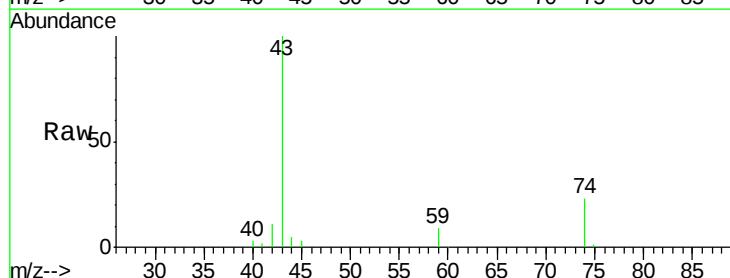
Acq: 4 Feb 2019 19:31

Tgt Ion: 43 Resp: 112936

Ion Ratio Lower Upper

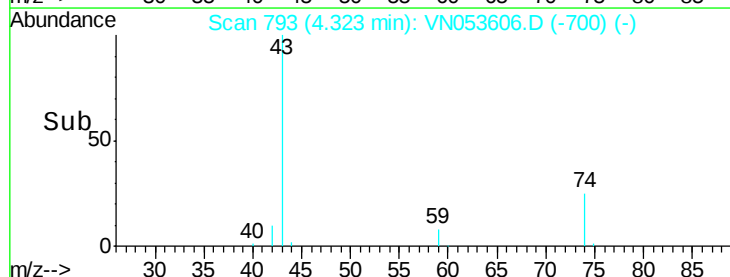
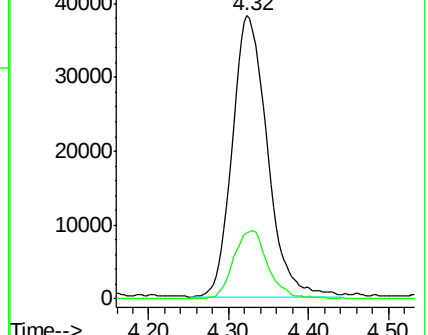
43 100

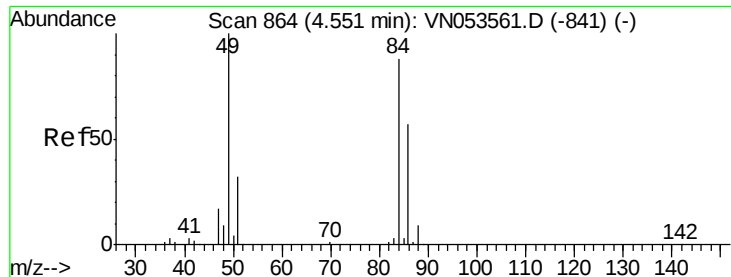
74 23.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

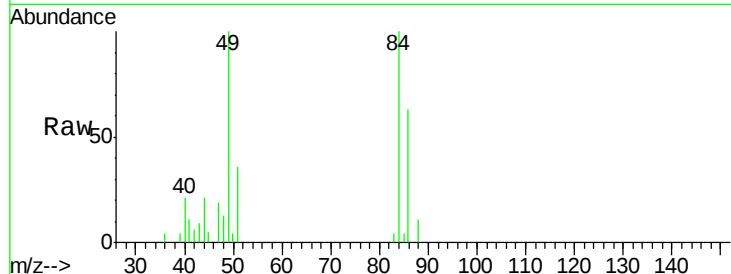




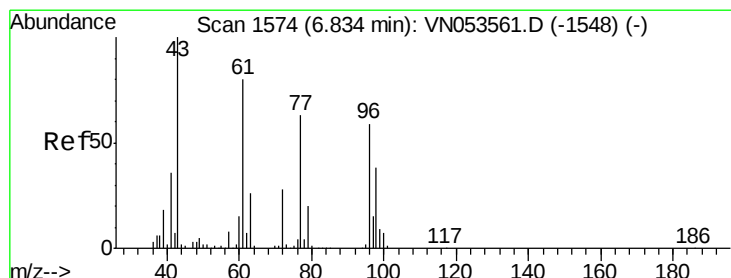
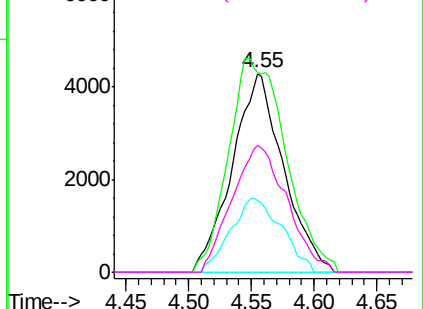
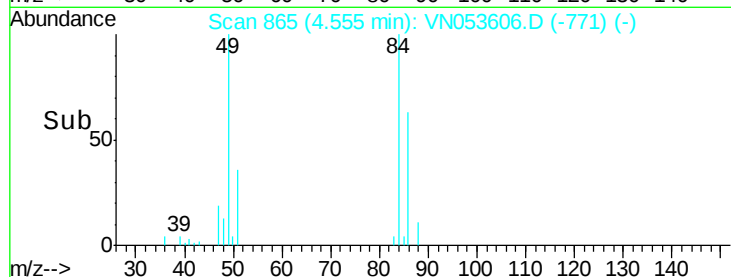
#20
Methvlene Chloride
Concen: 1.303 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion: 84 Resp: 12154
Ion Ratio Lower Upper
84 100
49 100.5 94.3 141.5
51 36.3 29.4 44.2
86 63.5 51.4 77.0

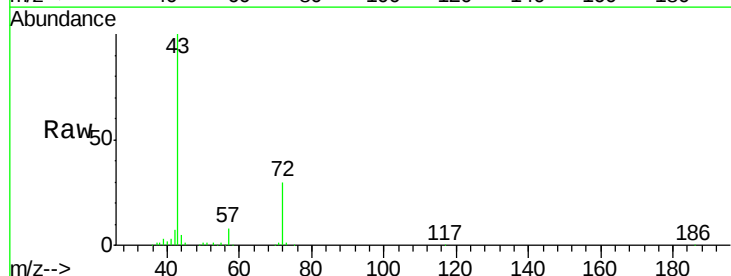


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

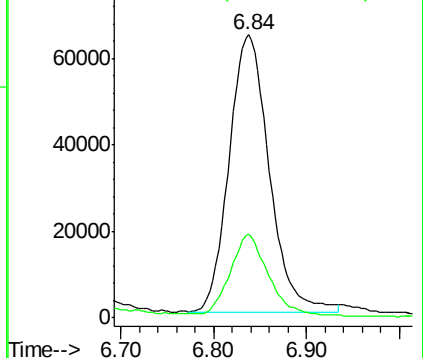
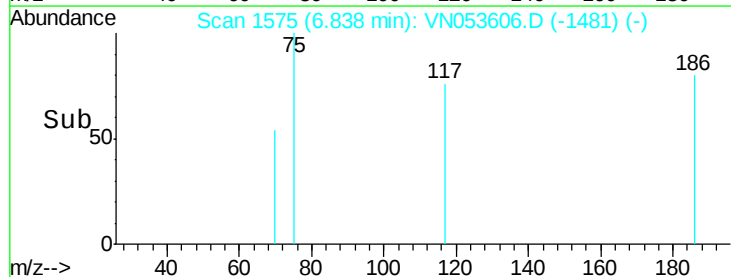


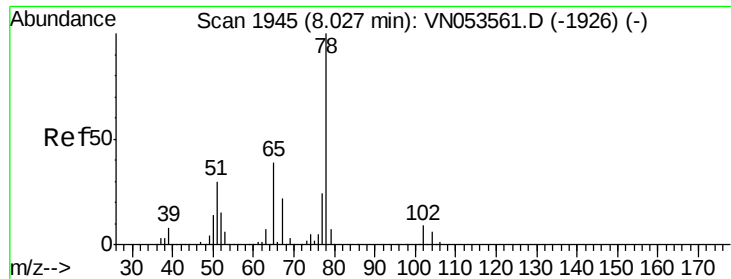
#25
2-Butanone
Concen: 60.538 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion: 43 Resp: 191904
Ion Ratio Lower Upper
43 100
72 29.2 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

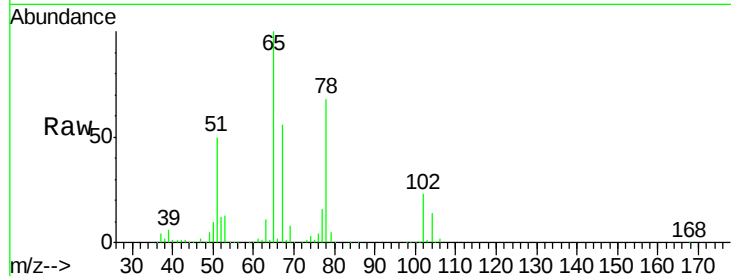
COMP-1

Tot Ion: 65 Resp: 435047

Ion Ratio Lower Upper

65 100

67 55.0 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN053606.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053606.D (-1852) (-)

8.03

200000

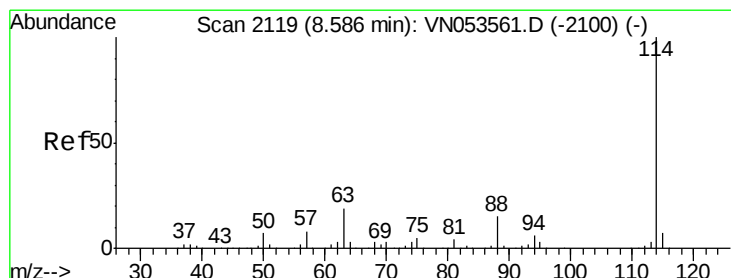
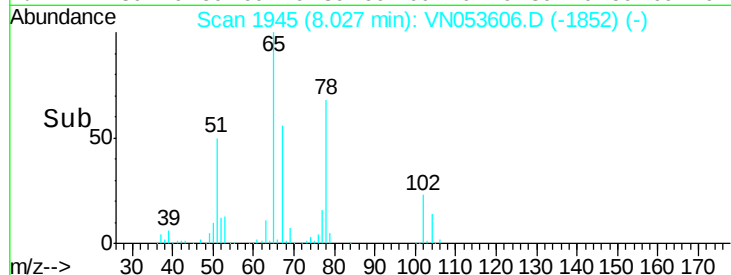
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

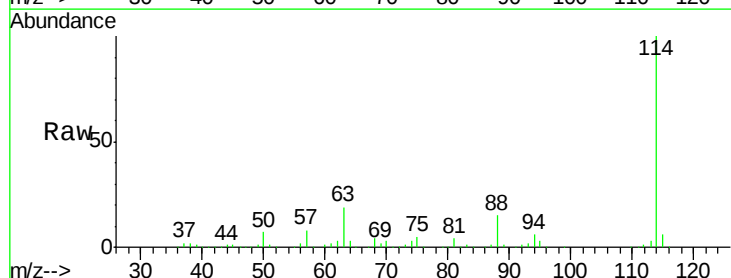
Tgt Ion: 114 Resp: 1371479

Ion Ratio Lower Upper

114 100

63 18.9 0.0 38.6

88 15.2 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053606.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN053606.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN053606.D (-2026) (-)

8.59

800000

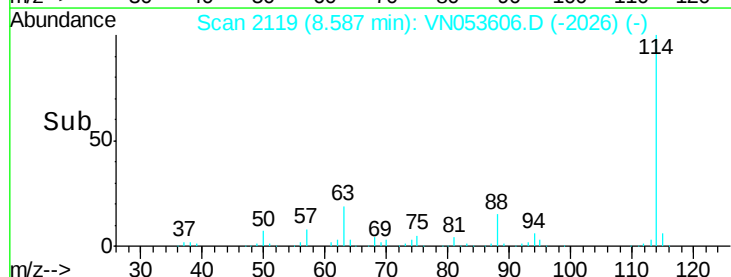
600000

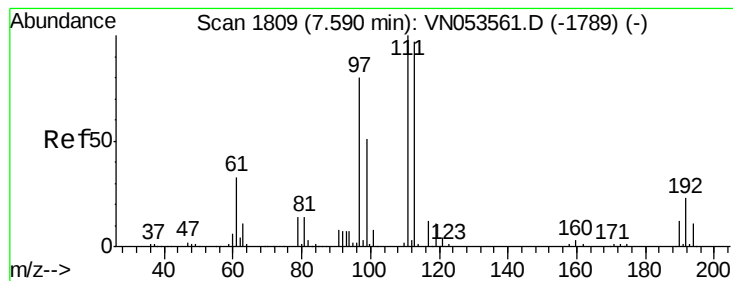
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

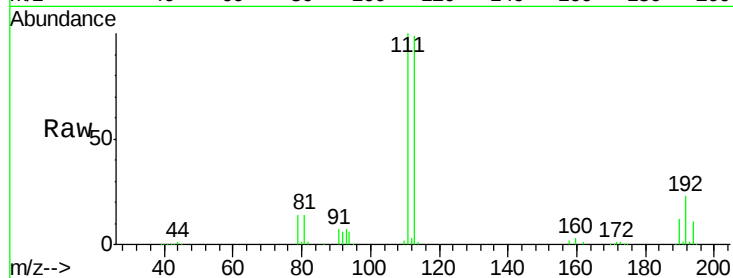
Tot Ion:113 Resp: 421863

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

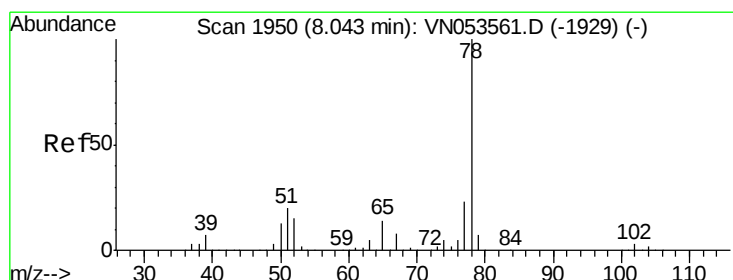
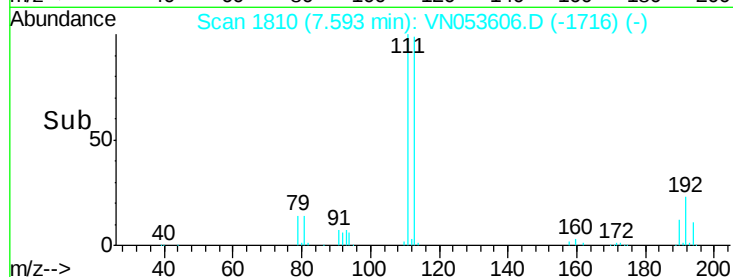
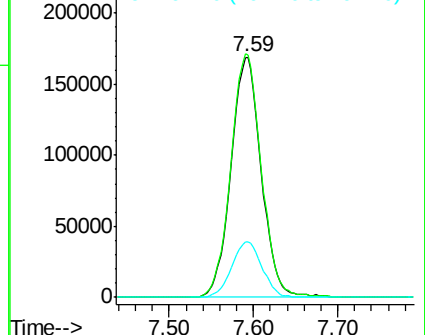
192 23.1 18.2 27.2



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



#40

Benzene

Concen: 13.300 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN053606.D

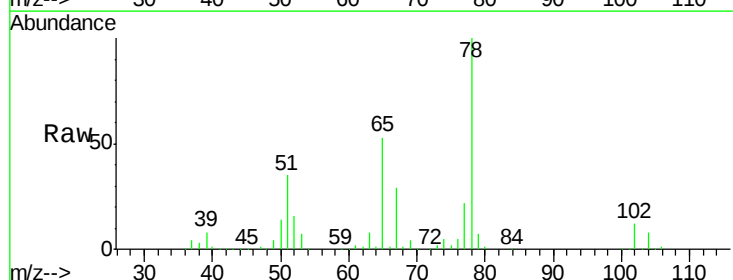
Acq: 4 Feb 2019 19:31

Tgt Ion: 78 Resp: 507066

Ion Ratio Lower Upper

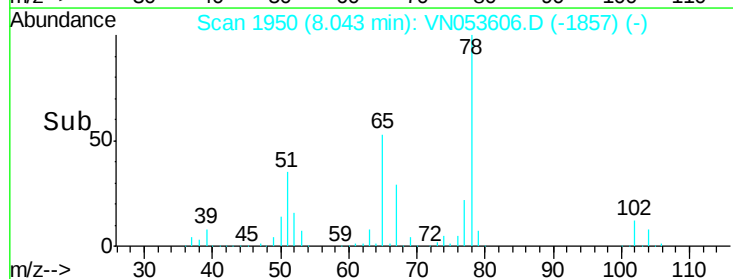
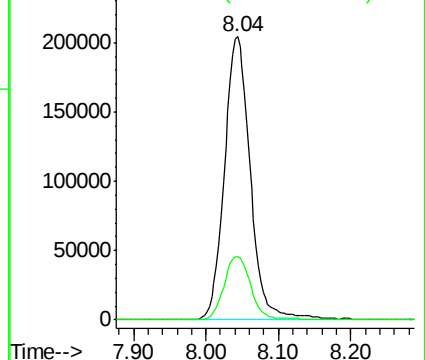
78 100

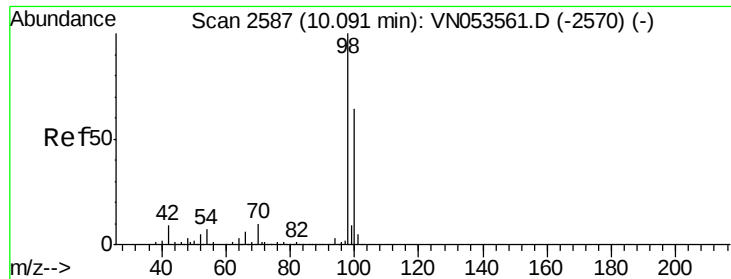
77 22.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): V

Ion 77.00 (76.70 to 77.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

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ClientSampleId :

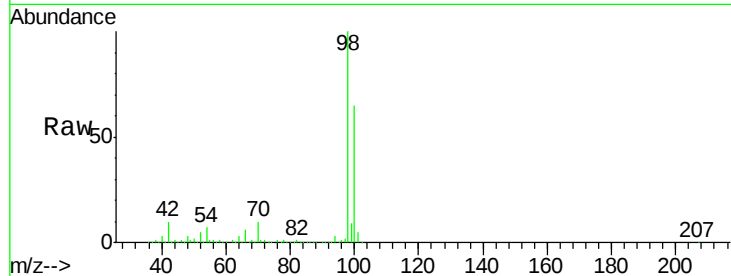
COMP-1

Tot Ion: 98 Resp: 1640668

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053606.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053606.D (-2570) (-)

10.09

800000

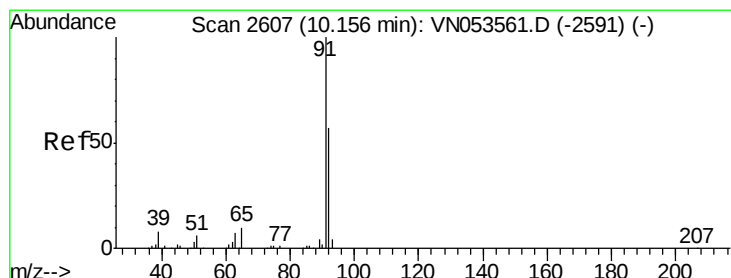
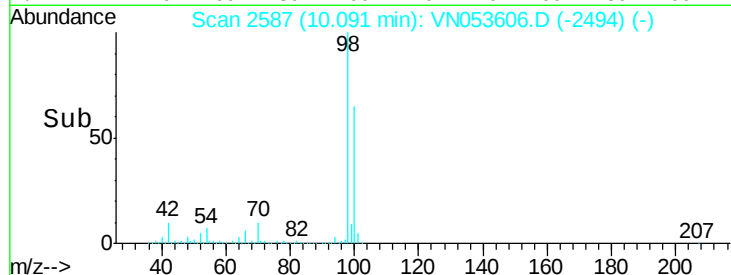
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 7.071 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053606.D

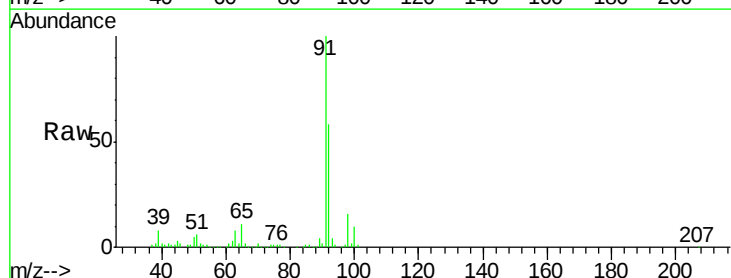
Acq: 4 Feb 2019 19:31

Tgt Ion: 92 Resp: 159994

Ion Ratio Lower Upper

92 100

91 174.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN053606.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN053606.D (-2514) (-)

10.16

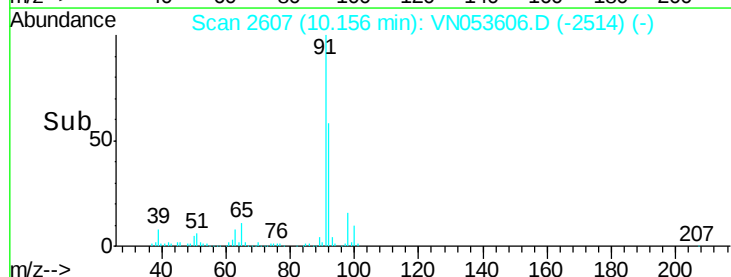
150000

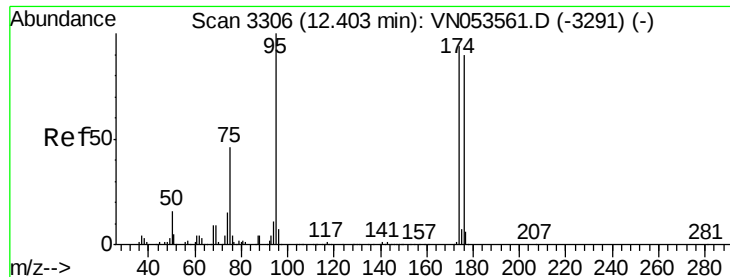
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampled :

COMP-1

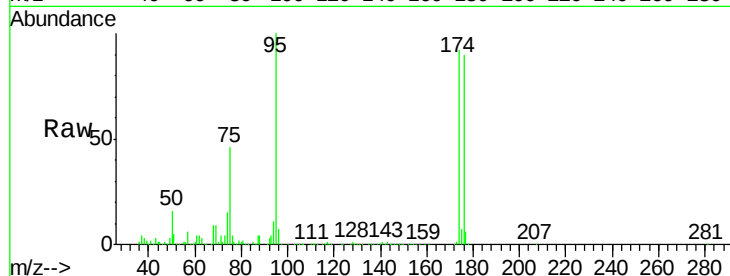
Tot Ion: 95 Resp: 571561

Ion Ratio Lower Upper

95 100

174 92.3 0.0 183.2

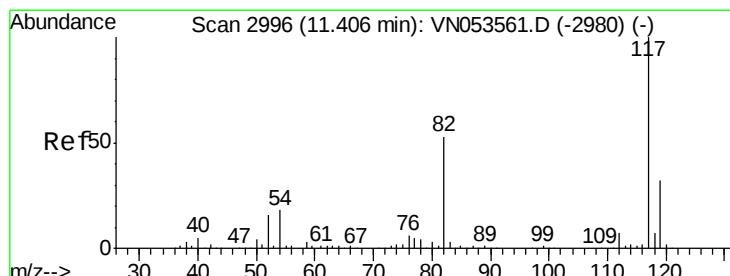
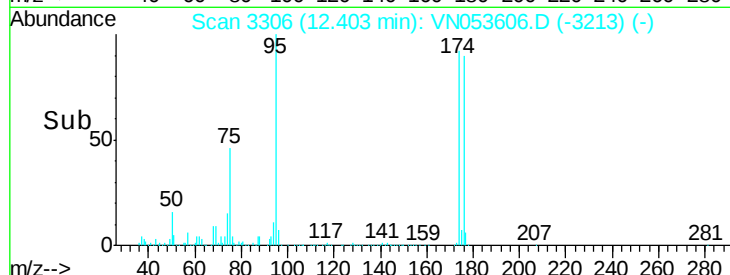
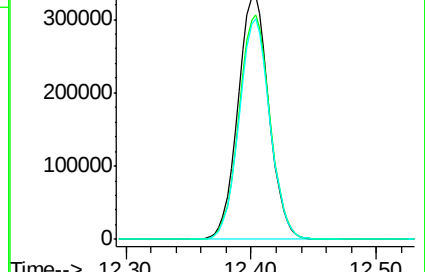
176 89.6 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053606.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053606.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053606.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

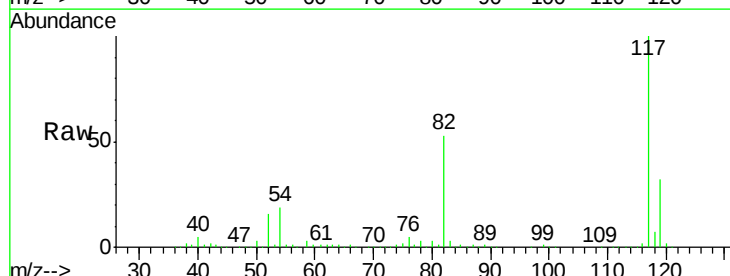
Tgt Ion: 117 Resp: 1233257

Ion Ratio Lower Upper

117 100

82 53.2 42.9 64.3

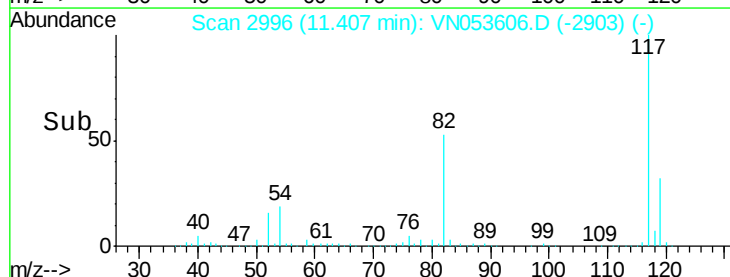
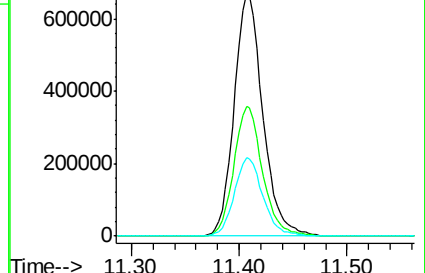
119 32.0 26.0 39.0

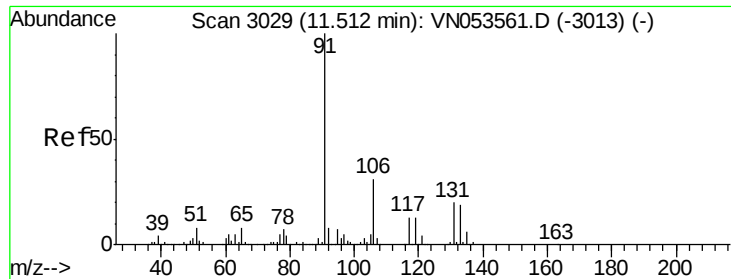


Abundance Ion 116.90 (116.60 to 117.60): VN053606.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053606.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053606.D (-2980) (-)

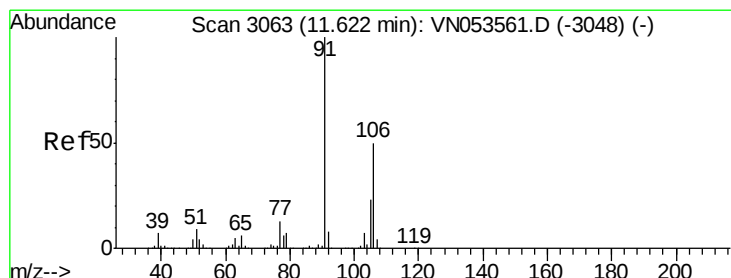
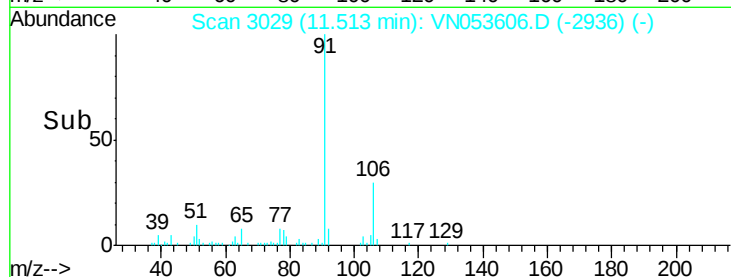
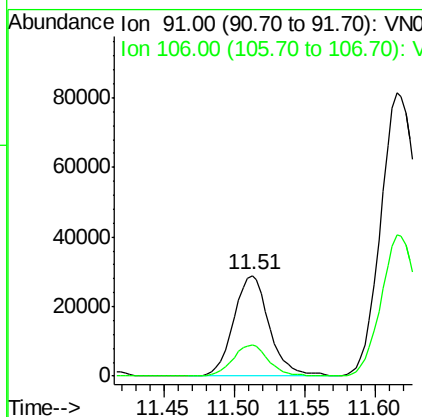
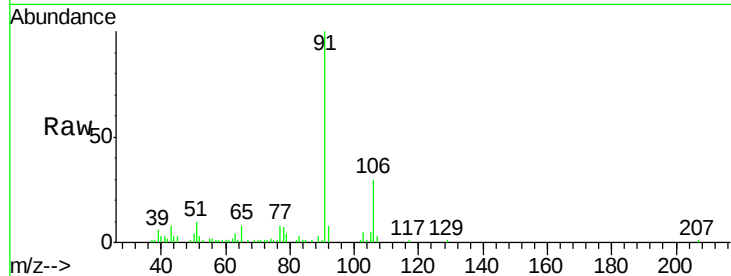




#67
Ethyl Benzene
Concen: 1.194 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

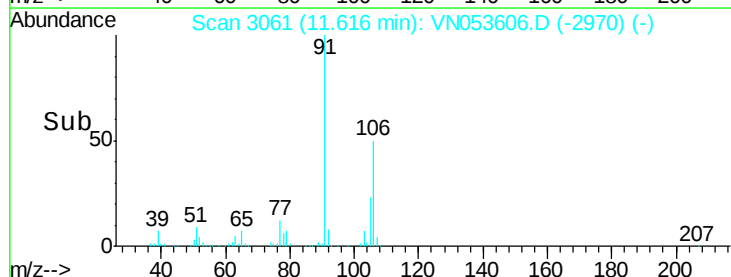
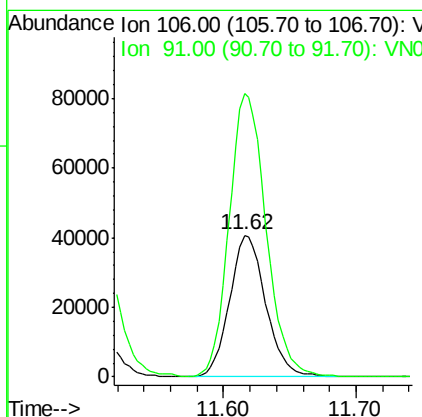
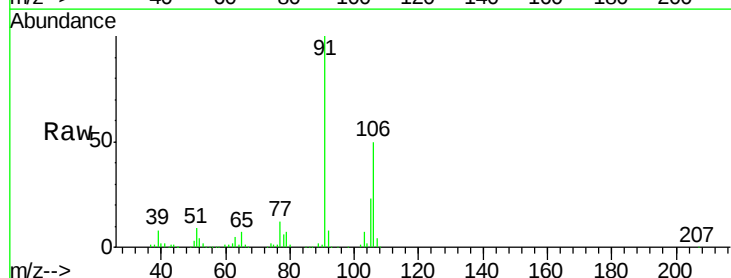
Instrument :
MSVOA_N
ClientSampled :
COMP-1

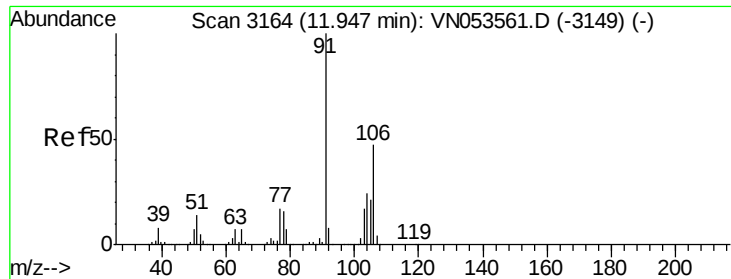
Tot Ion: 91 Resp: 51369
Ion Ratio Lower Upper
91 100
106 30.4 25.0 37.6



#68
m/p-Xylenes
Concen: 4.685 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion: 106 Resp: 76938
Ion Ratio Lower Upper
106 100
91 204.4 161.4 242.2

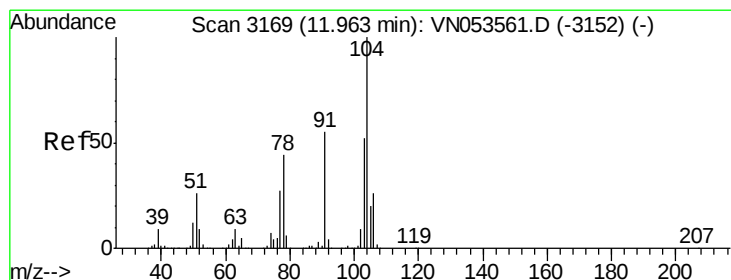
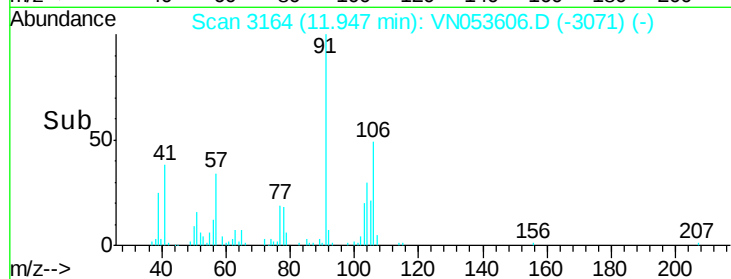
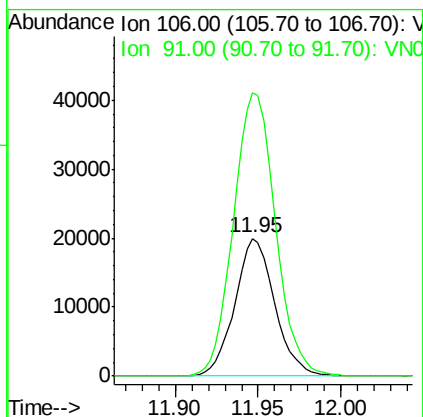
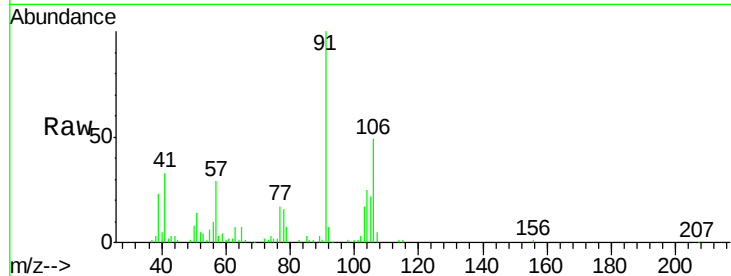




#69
o-Xylene
Concen: 2.100 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

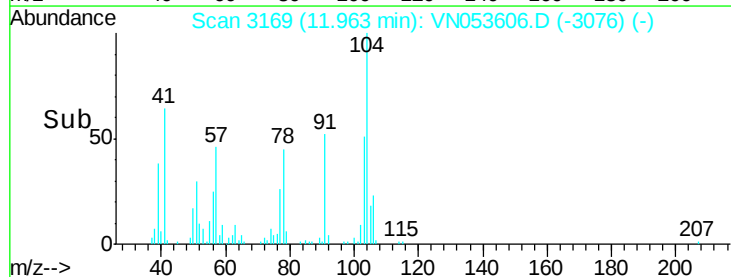
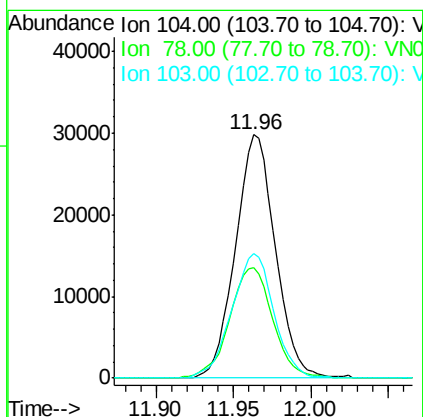
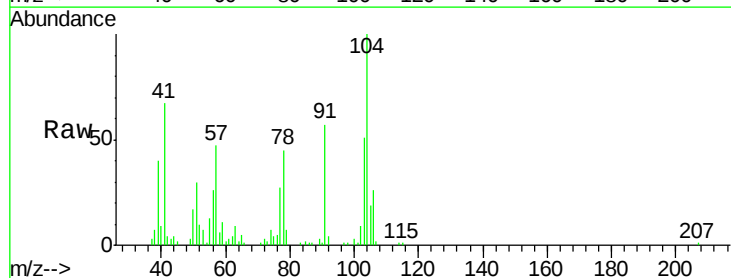
Instrument :
MSVOA_N
ClientSampled :
COMP-1

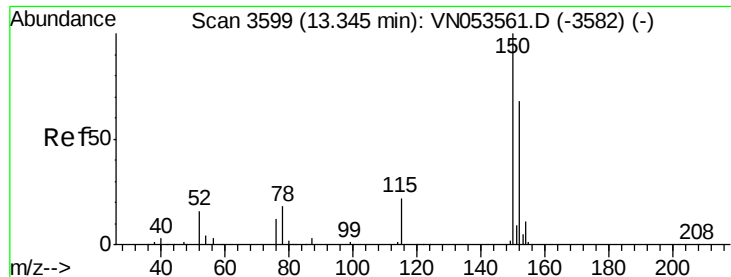
Tot Ion:106 Resp: 33325
Ion Ratio Lower Upper
106 100
91 216.9 106.9 320.8



#70
Styrene
Concen: 2.081 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053606.D
Acq: 4 Feb 2019 19:31

Tgt Ion:104 Resp: 53526
Ion Ratio Lower Upper
104 100
78 49.1 38.2 57.2
103 54.0 44.4 66.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

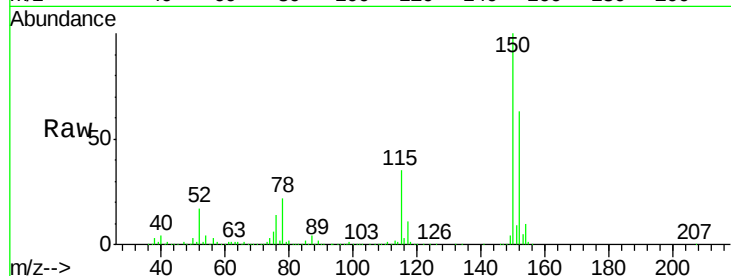
Tot Ion:152 Resp: 558210

Ion Ratio Lower Upper

152 100

115 56.1 27.8 83.4

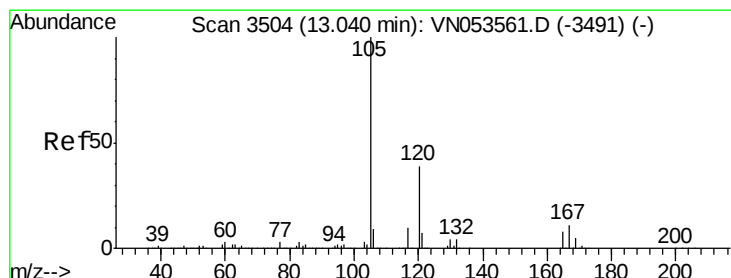
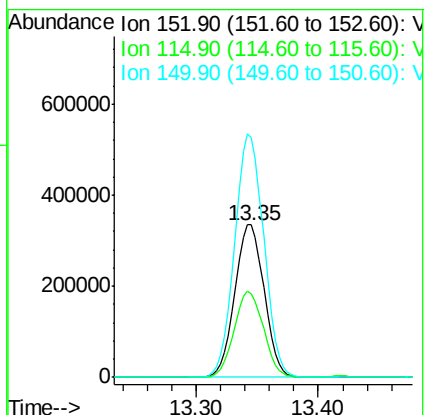
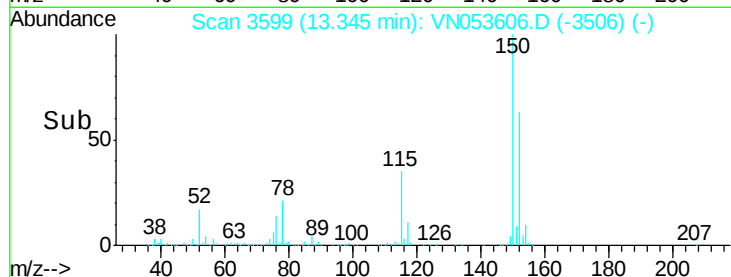
150 158.4 0.0 349.0



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



#84

1,2,4-Trimethylbenzene

Concen: 2.477 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053606.D

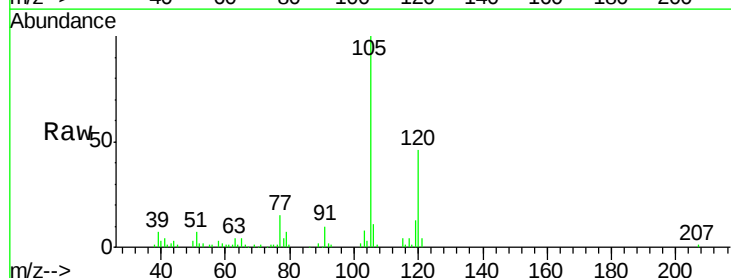
Acq: 4 Feb 2019 19:31

Tgt Ion:105 Resp: 82128

Ion Ratio Lower Upper

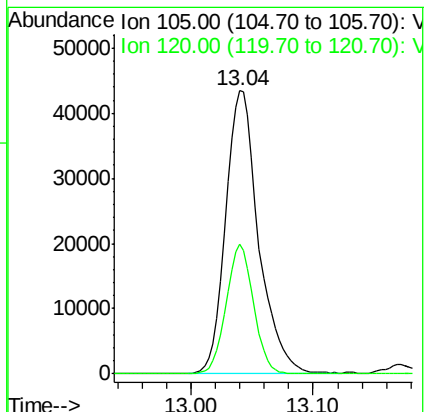
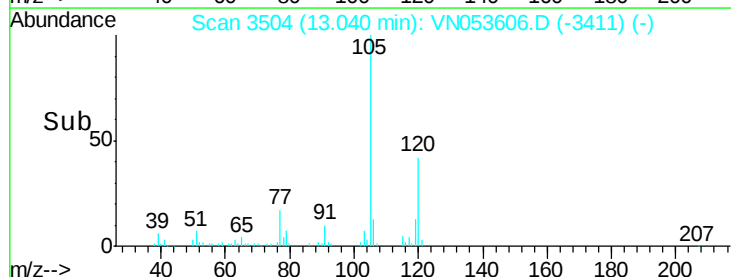
105 100

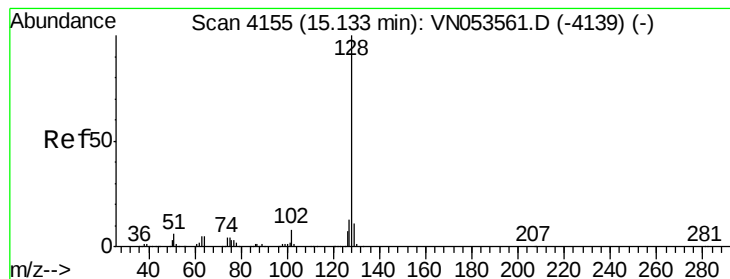
120 37.9 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 21.909 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053606.D

Acq: 4 Feb 2019 19:31

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

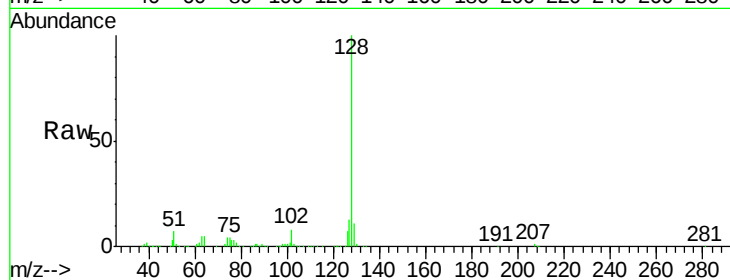
Tot Ion:128 Resp: 512459

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 11.3 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

