

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054125.D
 Acq On : 6 Mar 2019 19:06
 Operator : JC/SP
 Sample : K1755-25
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Mar 07 07:17:19 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	7.66	168	590192	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1042818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1030912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	427518	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	357492	50.44	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.88%	
35) Dibromofluoromethane	7.59	113	332716	49.12	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.24%	
50) Toluene-d8	10.09	98	1321218	51.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	12.40	95	476472	56.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	113.80%	

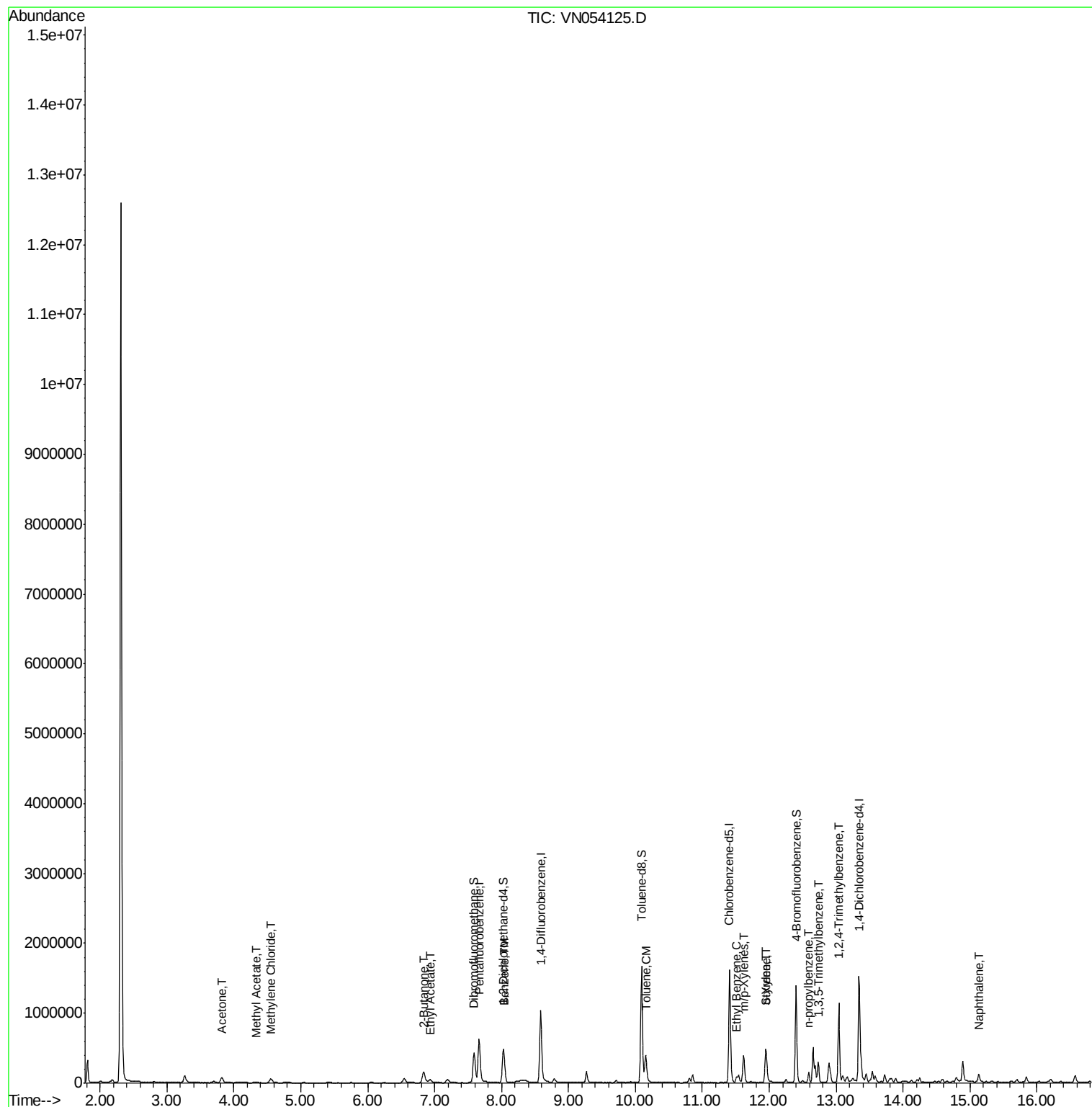
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	77117	35.325	ug/l	98
18) Methyl Acetate	4.33	43	18087	3.776	ug/l	94
20) Methylene Chloride	4.55	84	42883	5.381	ug/l	95
25) 2-Butanone	6.84	43	286044	98.481	ug/l	98
37) Ethyl Acetate	6.93	43	77769	11.042	ug/l	99
40) Benzene	8.04	78	98734	3.410	ug/l	97
52) Toluene	10.16	92	172704	10.066	ug/l	99
67) Ethyl Benzene	11.51	91	58535	1.631	ug/l	99
68) m/p-Xylenes	11.62	106	127448	9.407	ug/l	99
69) o-Xylene	11.95	106	115867	8.888	ug/l	100
70) Styrene	11.96	104	89876	4.343	ug/l	90
78) n-propylbenzene	12.59	91	114307	2.986	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	163245	5.903	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	656621	23.924	ug/l	99
95) Naphthalene	15.13	128	92010	9.808	ug/l	98

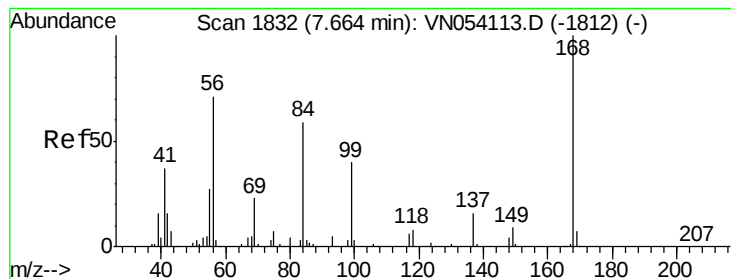
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN030619\
Data File : VN054125.D
Acq On : 6 Mar 2019 19:06
Operator : JC/SP
Sample : K1755-25
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Quant Time: Mar 07 07:17:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 06:25:49 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampled :

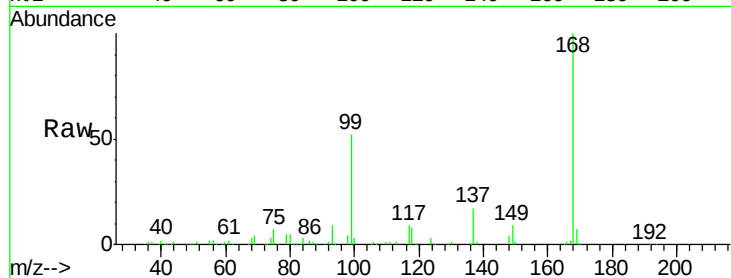
COMP-1

Tot Ion:168 Resp: 590192

Ion Ratio Lower Upper

168 100

99 52.0 41.1 61.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

200000

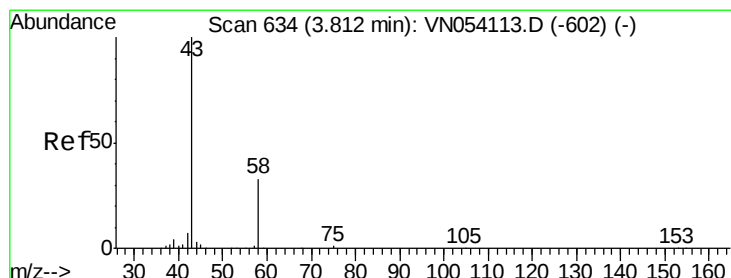
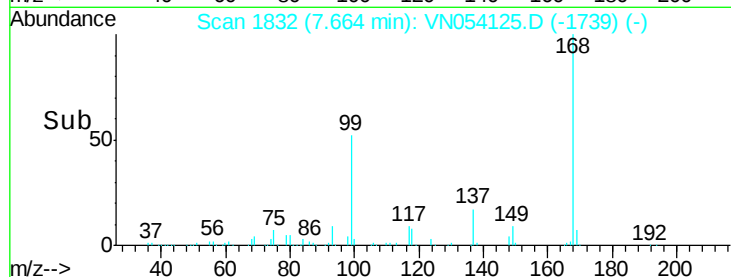
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#16

Acetone

Concen: 35.325 ug/l

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054125.D

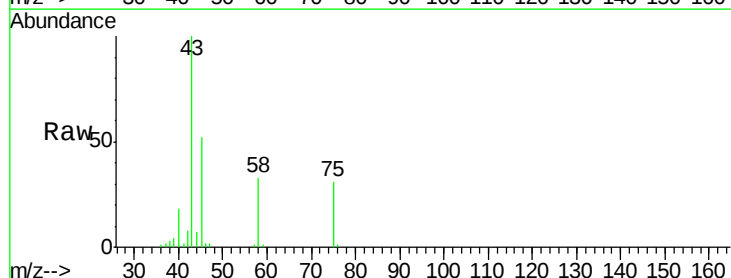
Acq: 6 Mar 2019 19:06

Tgt Ion: 43 Resp: 77117

Ion Ratio Lower Upper

43 100

58 31.8 26.5 39.7



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.81

30000

25000

20000

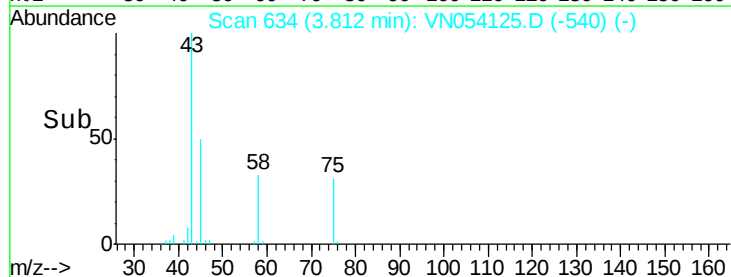
15000

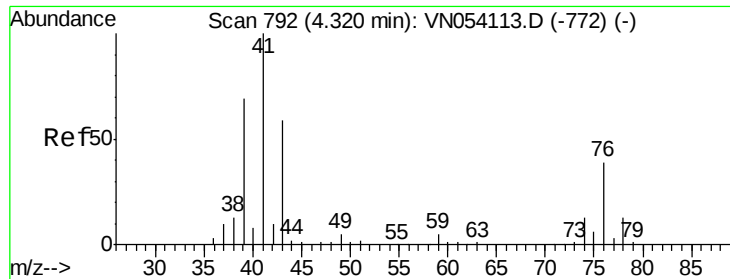
10000

5000

0

Time--> 3.70 3.80 3.90

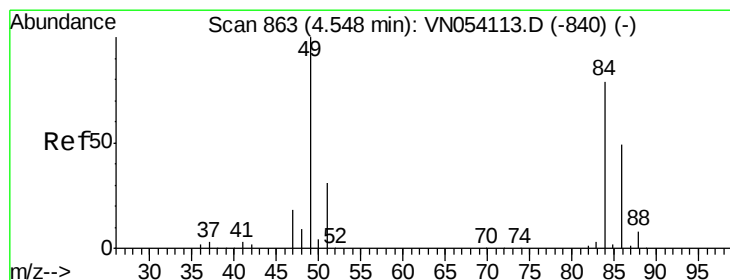
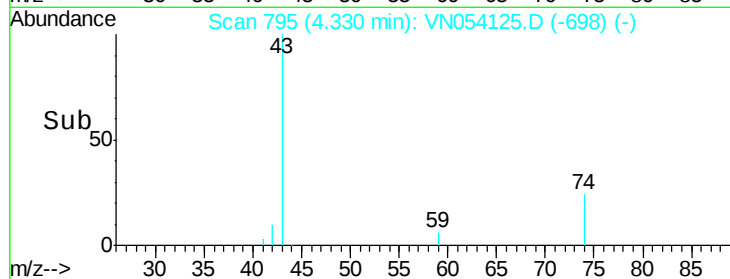
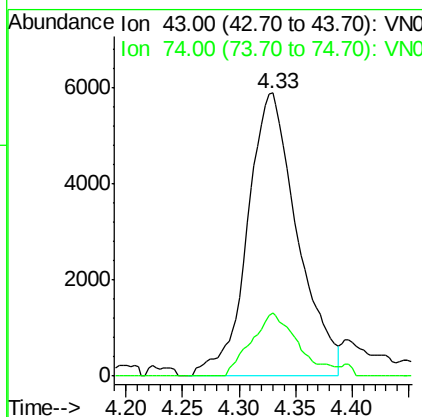
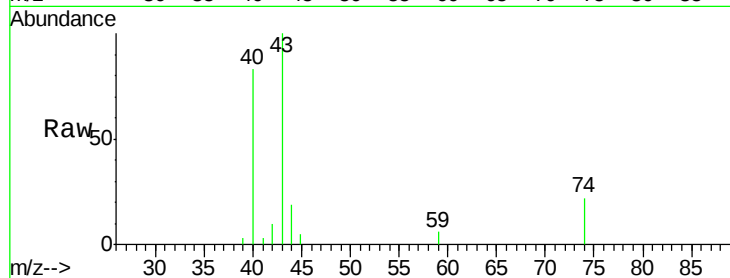




#18
Methyl Acetate
Concen: 3.776 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN054125.D
Acq: 6 Mar 2019 19:06

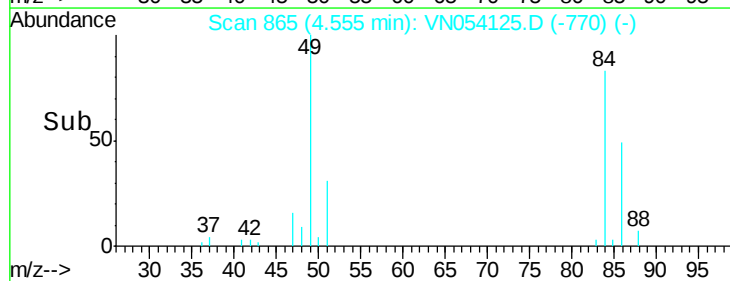
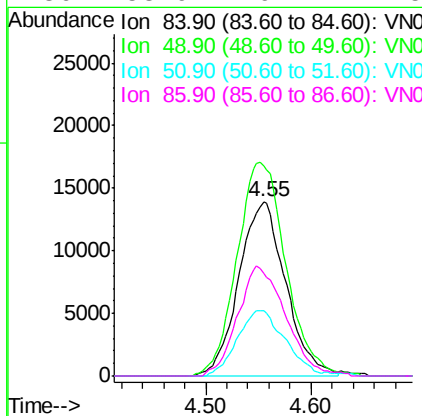
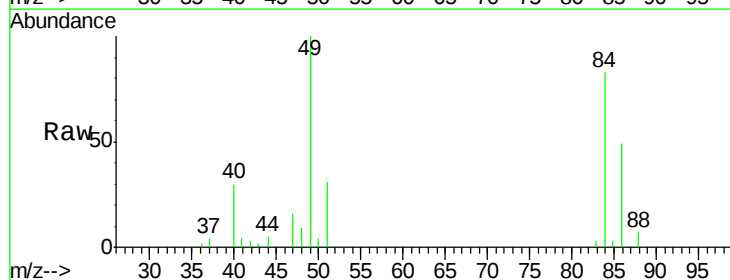
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

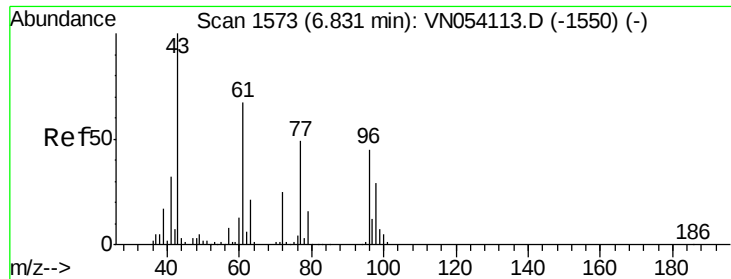
Tot Ion: 43 Resp: 18087
Ion Ratio Lower Upper
43 100
74 19.8 18.2 27.2



#20
Methylene Chloride
Concen: 5.381 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN054125.D
Acq: 6 Mar 2019 19:06

Tgt Ion: 84 Resp: 42883
Ion Ratio Lower Upper
84 100
49 120.7 101.8 152.8
51 37.2 31.1 46.7
86 58.9 49.7 74.5





#25

2-Butanone

Concen: 98.481 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampled :

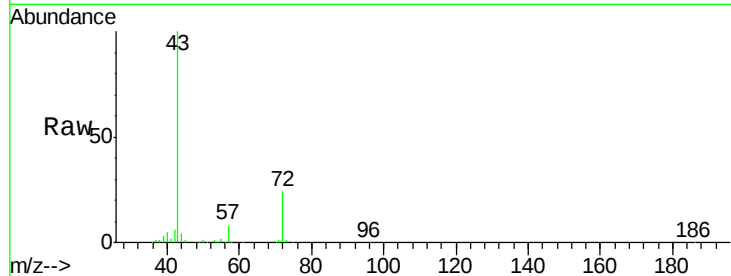
COMP-1

Tot Ion: 43 Resp: 286044

Ion Ratio Lower Upper

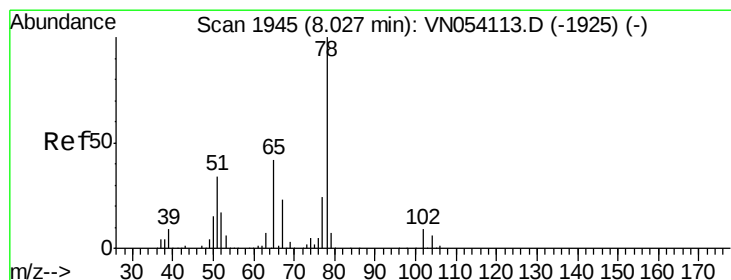
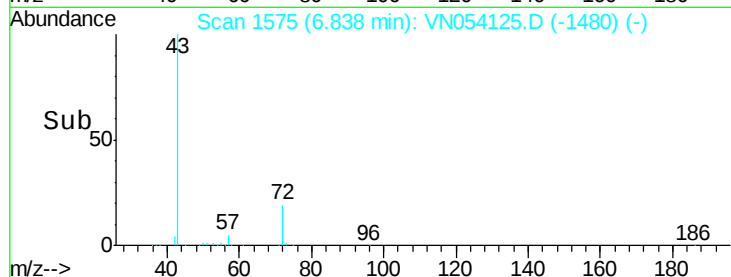
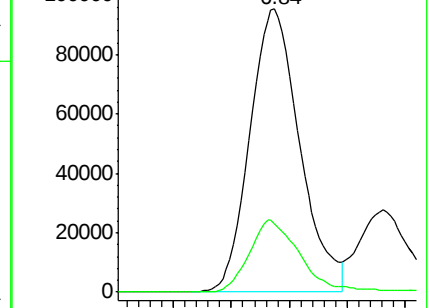
43 100

72 24.0 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.436 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054125.D

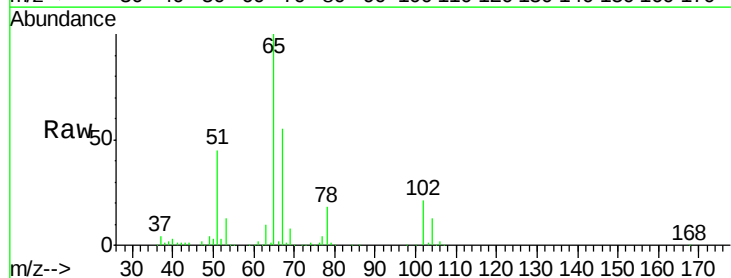
Acq: 6 Mar 2019 19:06

Tgt Ion: 65 Resp: 357492

Ion Ratio Lower Upper

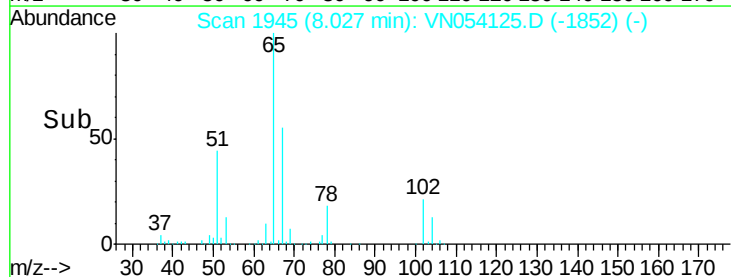
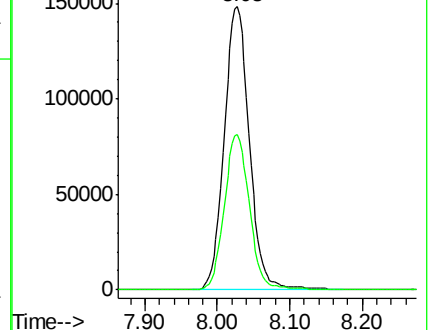
65 100

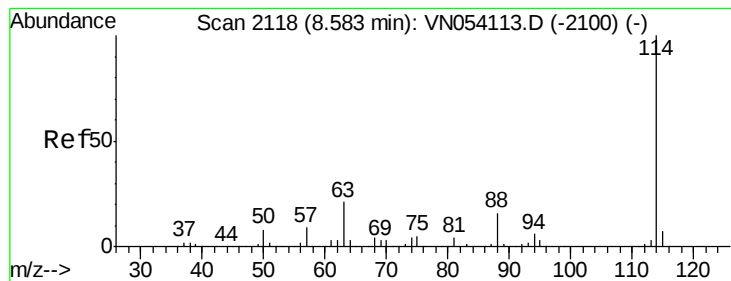
67 54.8 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

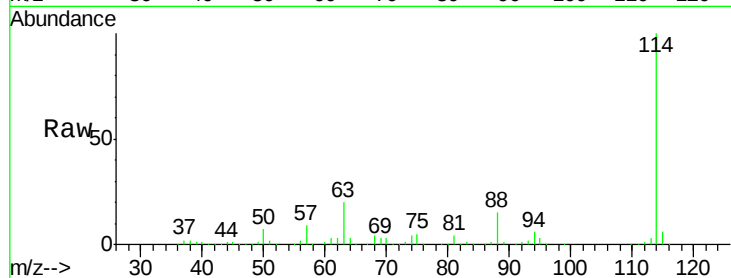
Tot Ion:114 Resp: 1042818

Ion Ratio Lower Upper

114 100

63 20.2 0.0 42.6

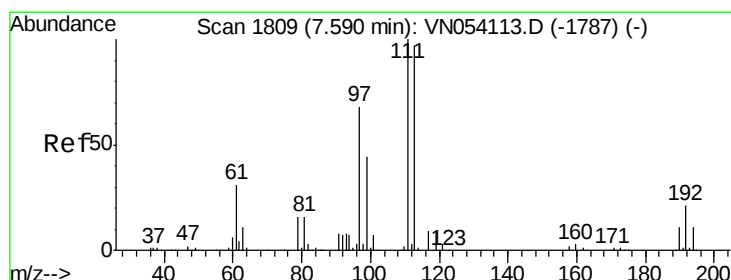
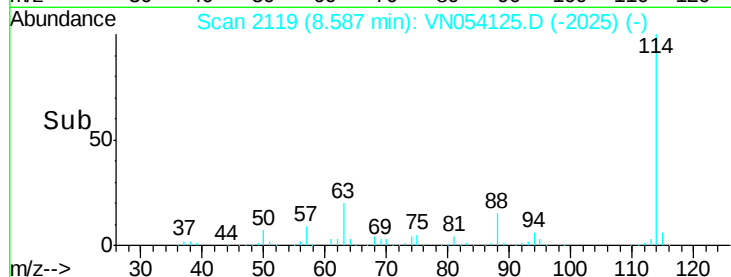
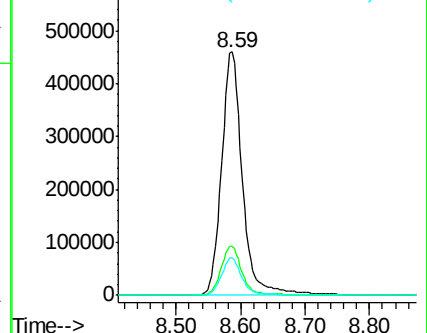
88 15.4 0.0 31.8



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: 49.124 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

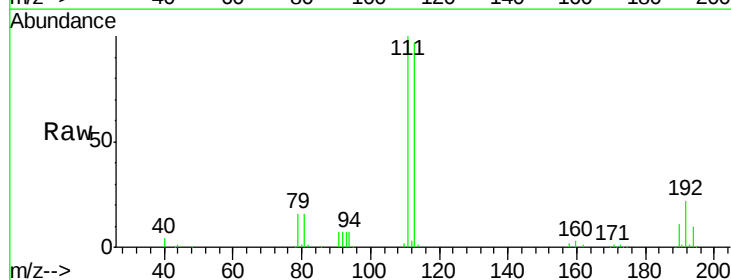
Tgt Ion:113 Resp: 332716

Ion Ratio Lower Upper

113 100

111 104.0 82.1 123.1

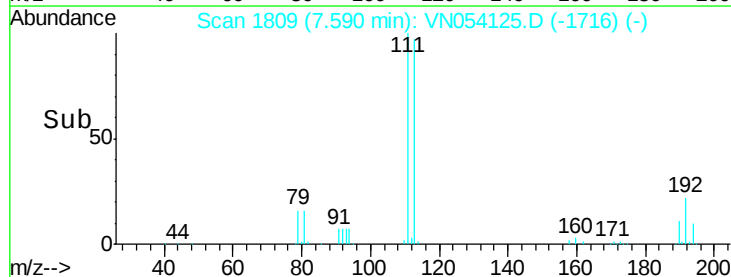
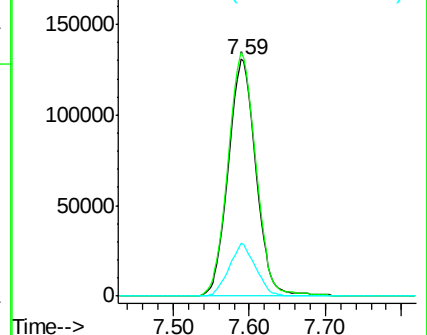
192 21.3 17.4 26.0

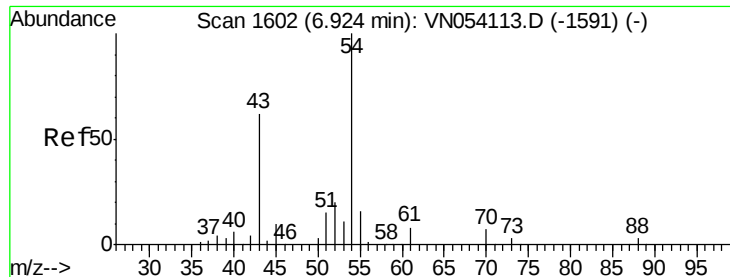


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

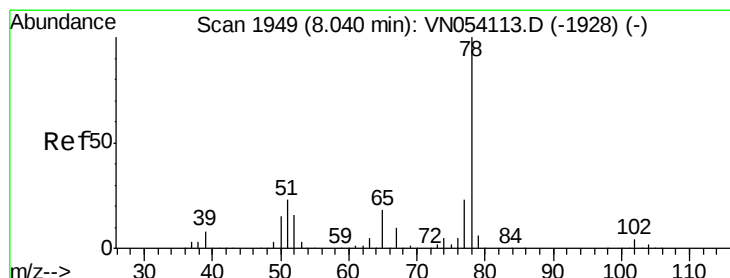
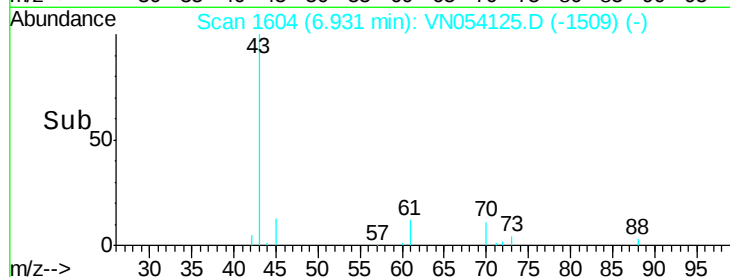
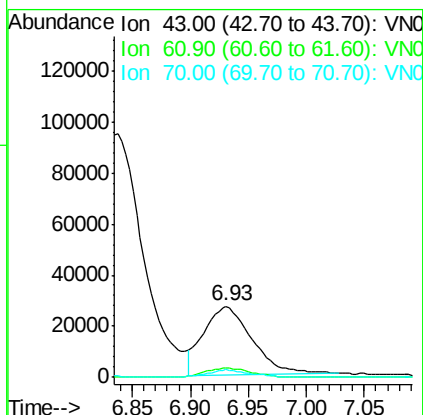
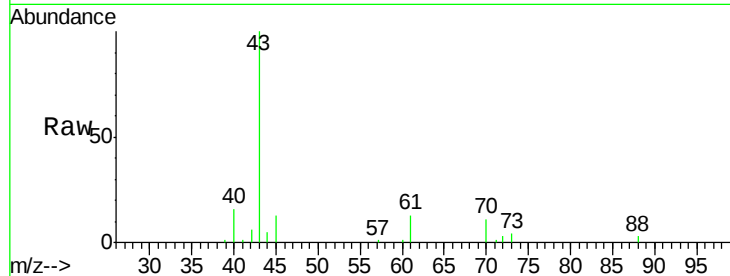




#37
Ethyl Acetate
Concen: 11.042 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VN054125.D
Acq: 6 Mar 2019 19:06

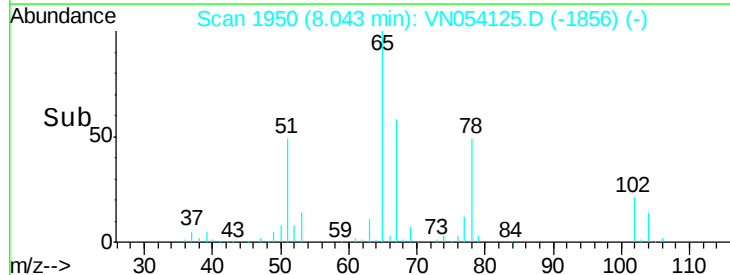
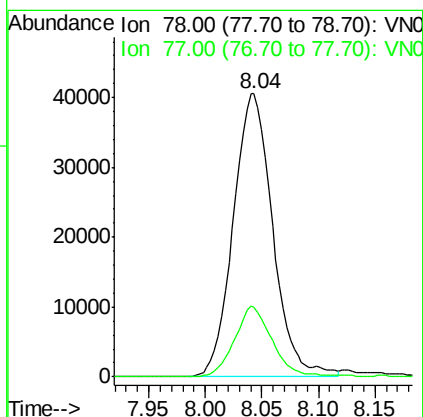
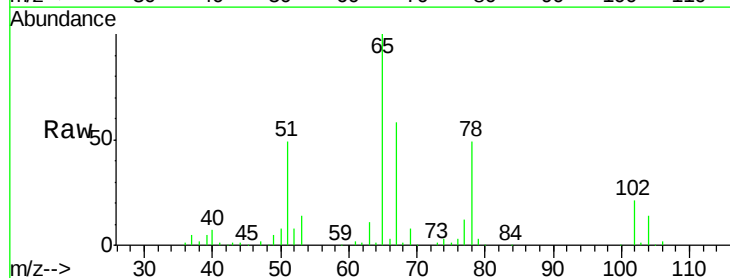
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

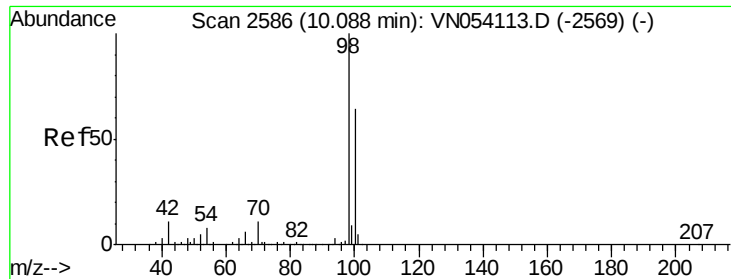
Tot Ion: 43 Resp: 77769
Ion Ratio Lower Upper
43 100
61 13.8 11.1 16.7
70 10.0 7.6 11.4



#40
Benzene
Concen: 3.410 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054125.D
Acq: 6 Mar 2019 19:06

Tgt Ion: 78 Resp: 98734
Ion Ratio Lower Upper
78 100
77 24.7 18.7 28.1





#50

Toluene-d8

Concen: 51.370 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampleId :

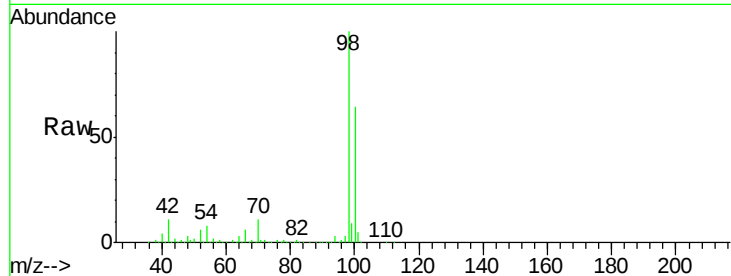
COMP-1

Tot Ion: 98 Resp: 1321218

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN054113.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054113.D (-2569) (-)

10.09

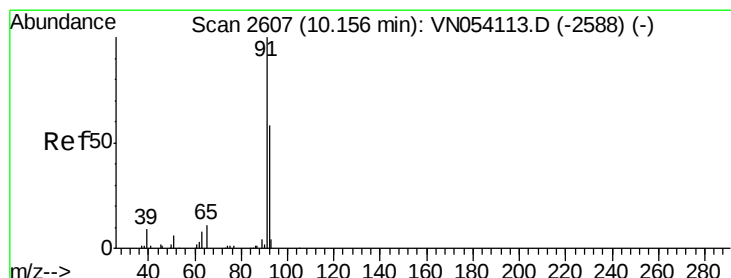
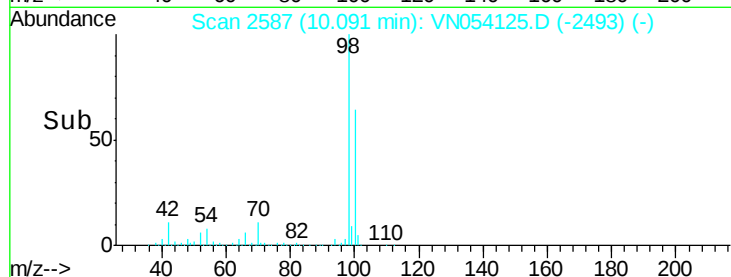
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 10.066 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054125.D

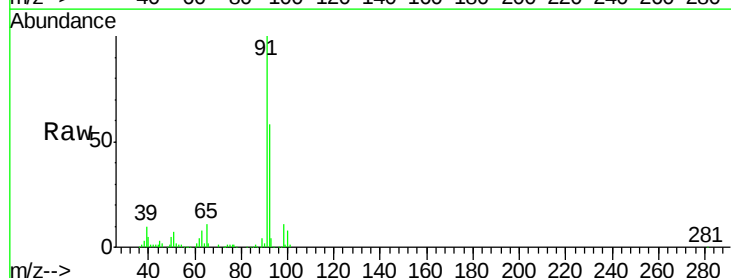
Acq: 6 Mar 2019 19:06

Tgt Ion: 92 Resp: 172704

Ion Ratio Lower Upper

92 100

91 174.6 139.0 208.6



Abundance Ion 92.00 (91.70 to 92.70): VN054113.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN054113.D (-2588) (-)

10.16

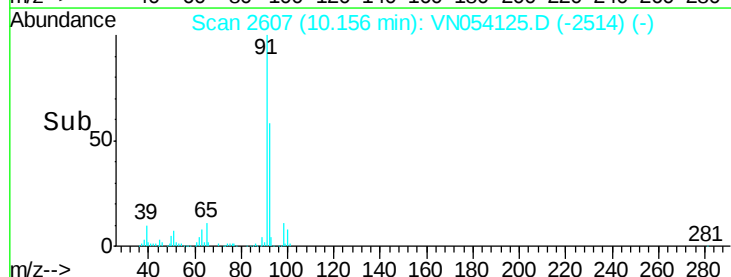
150000

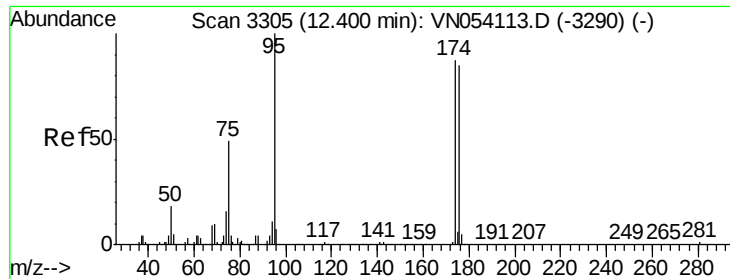
100000

50000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 56.902 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

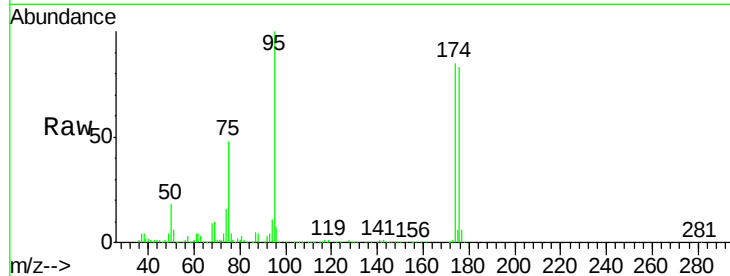
Tot Ion: 95 Resp: 476472

Ion Ratio Lower Upper

95 100

174 86.6 0.0 173.2

176 84.4 0.0 168.8

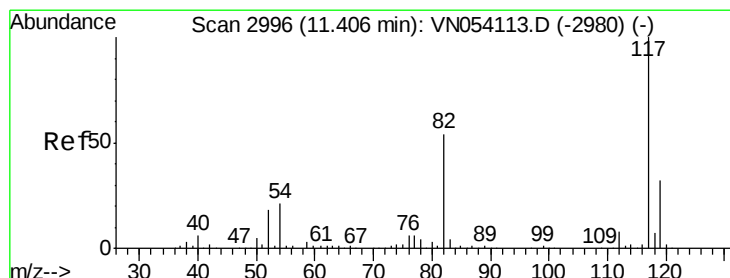
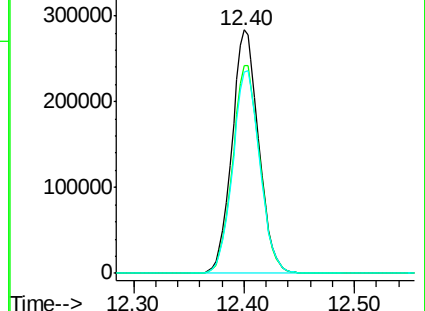
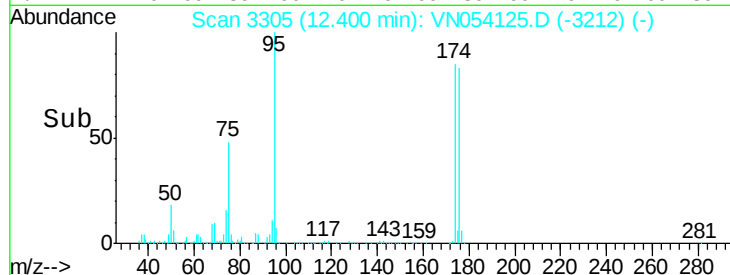


Abundance Ion 94.90 (94.60 to 95.60): VN054113.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN054113.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN054113.D (-3290) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

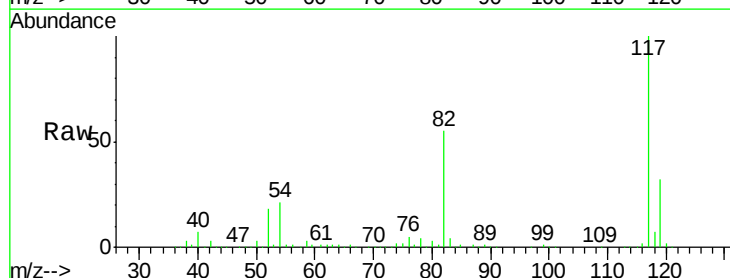
Tgt Ion: 117 Resp: 1030912

Ion Ratio Lower Upper

117 100

82 55.5 43.4 65.2

119 32.1 26.0 39.0

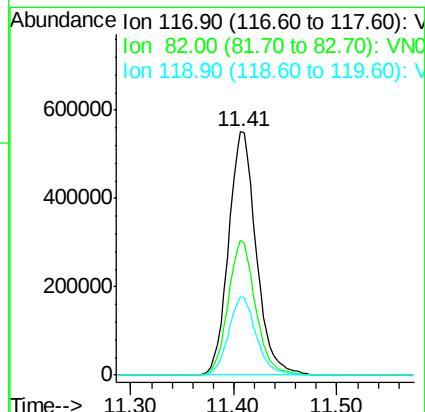
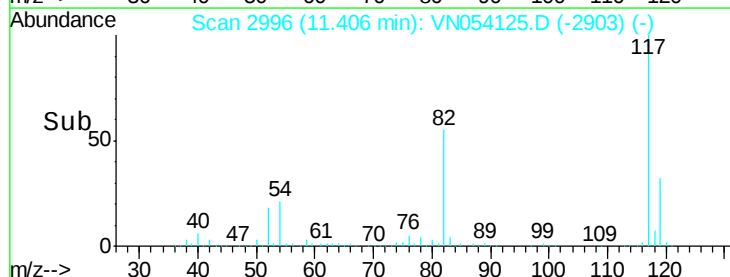


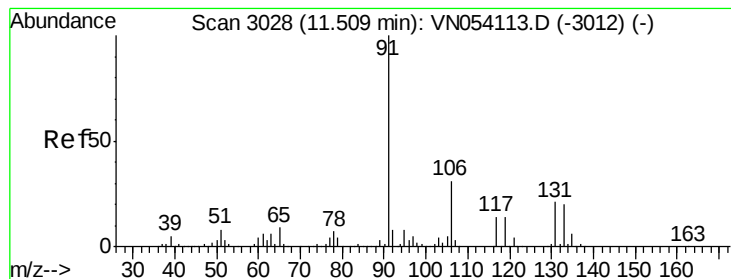
Abundance Ion 116.90 (116.60 to 117.60): VN054113.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054113.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054113.D (-2980) (-)

Time--> 11.30 11.40 11.50





#67

Ethyl Benzene

Concen: 1.631 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampled :

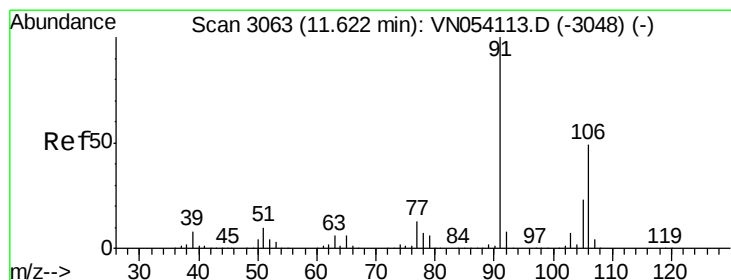
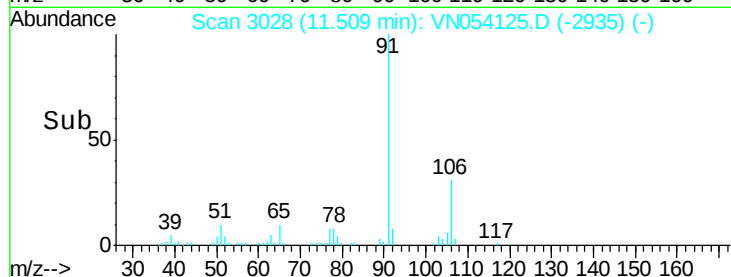
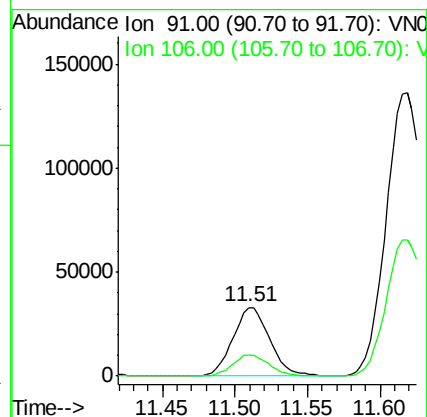
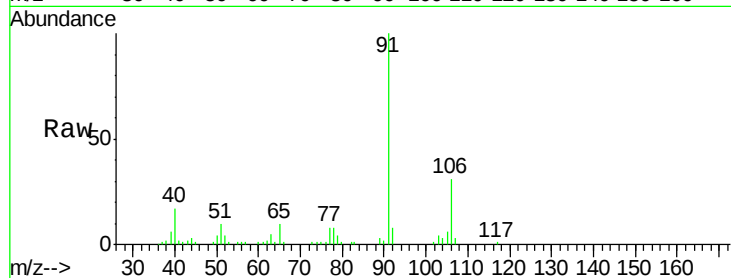
COMP-1

Tot Ion: 91 Resp: 58535

Ion Ratio Lower Upper

91 100

106 31.4 24.6 36.8



#68

m/p-Xylenes

Concen: 9.407 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054125.D

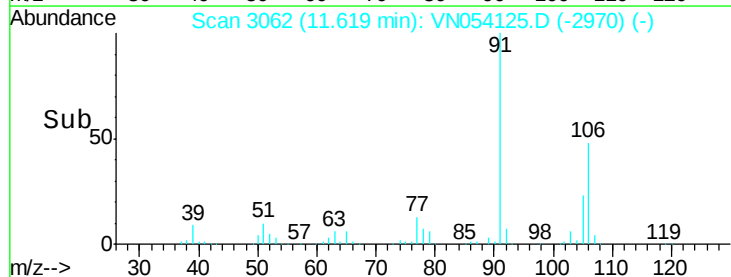
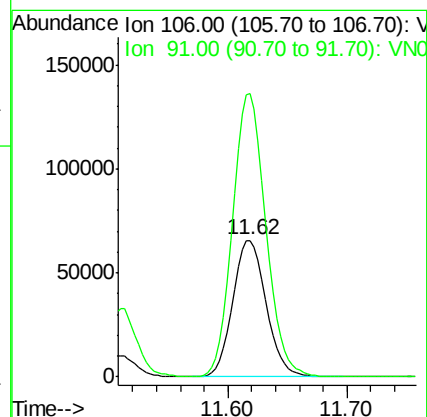
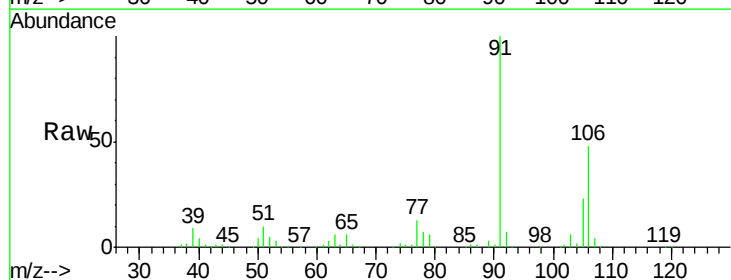
Acq: 6 Mar 2019 19:06

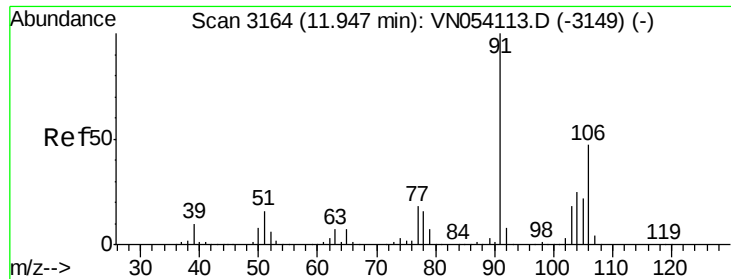
Tgt Ion: 106 Resp: 127448

Ion Ratio Lower Upper

106 100

91 205.9 163.2 244.8

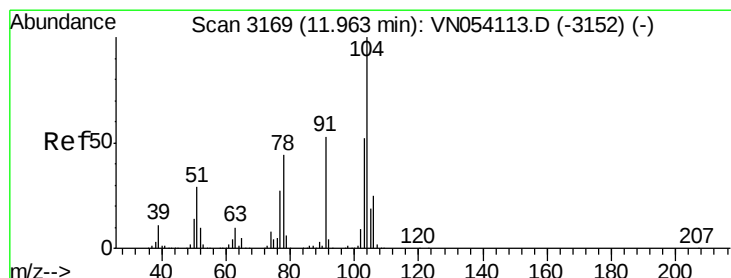
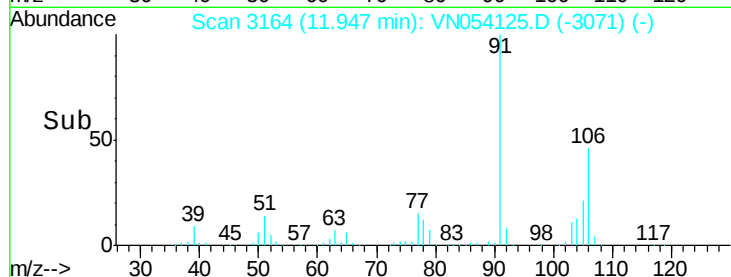
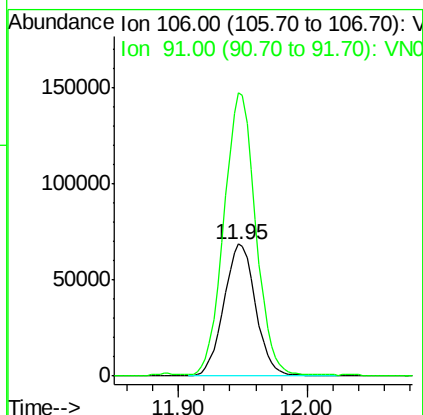
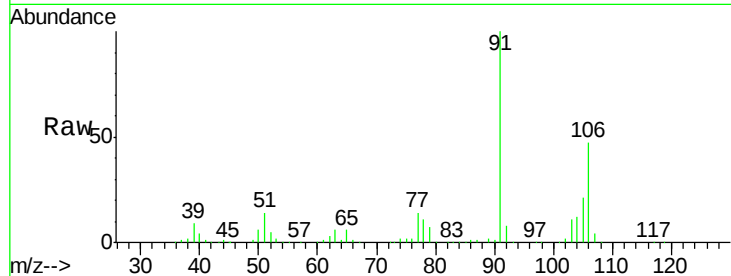




#69
o-Xylene
Concen: 8.888 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054125.D
Acq: 6 Mar 2019 19:06

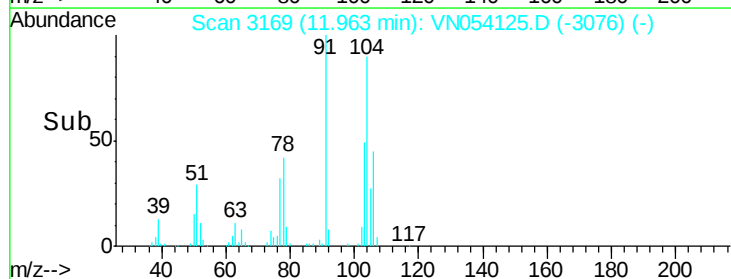
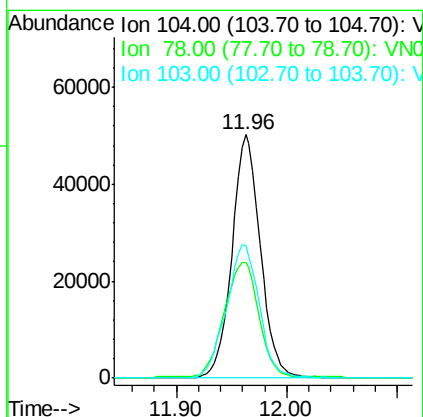
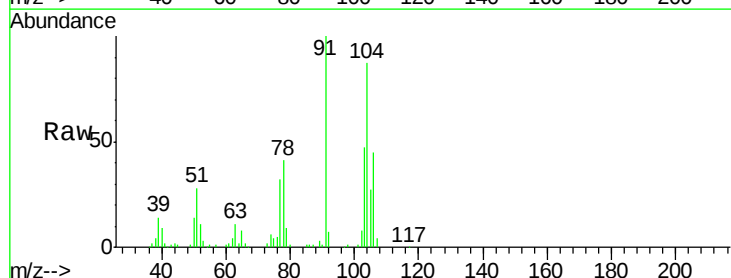
Instrument :
MSVOA_N
ClientSampled :
COMP-1

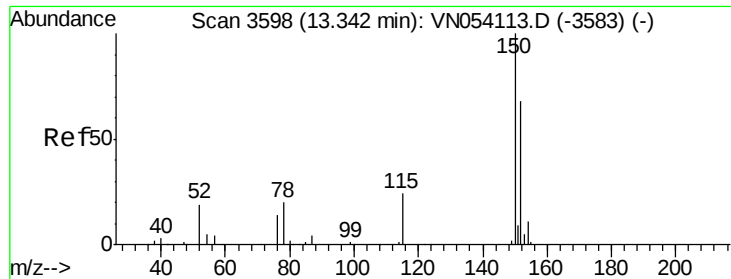
Tot Ion:106 Resp: 115867
Ion Ratio Lower Upper
106 100
91 213.8 107.1 321.3



#70
Styrene
Concen: 4.343 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054125.D
Acq: 6 Mar 2019 19:06

Tgt Ion:104 Resp: 89876
Ion Ratio Lower Upper
104 100
78 56.7 39.4 59.0
103 63.1 44.7 67.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampled :

COMP-1

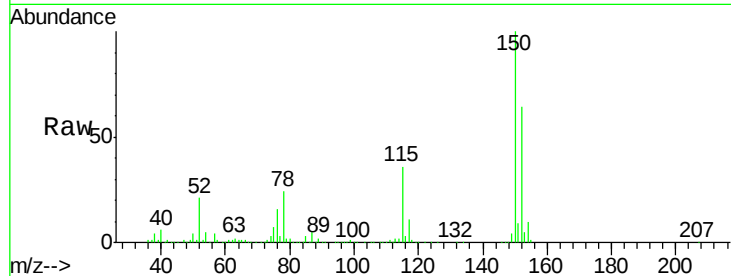
Tot Ion:152 Resp: 427518

Ion Ratio Lower Upper

152 100

115 58.5 28.5 85.6

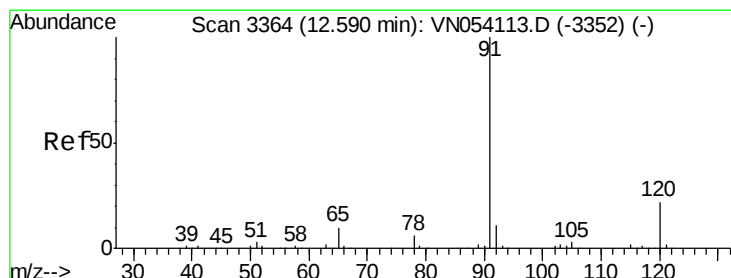
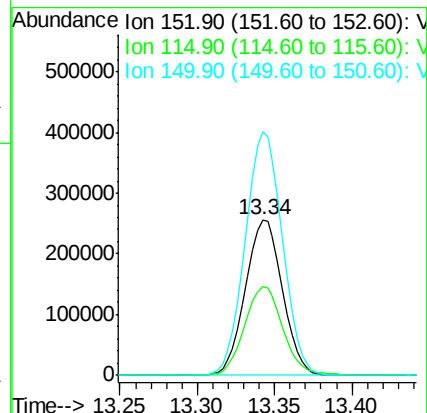
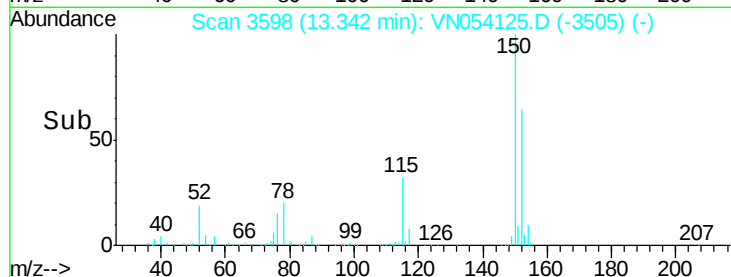
150 156.9 0.0 343.2



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



#78

n-propylbenzene

Concen: 2.986 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054125.D

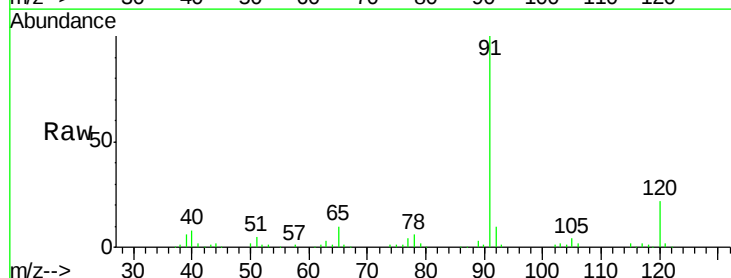
Acq: 6 Mar 2019 19:06

Tgt Ion: 91 Resp: 114307

Ion Ratio Lower Upper

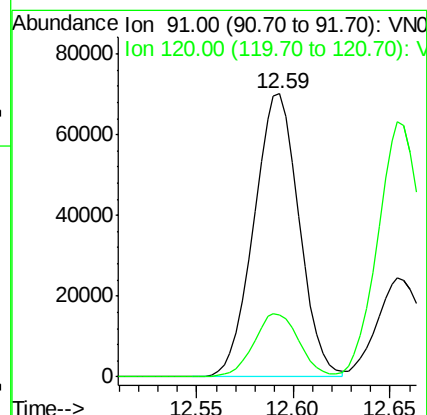
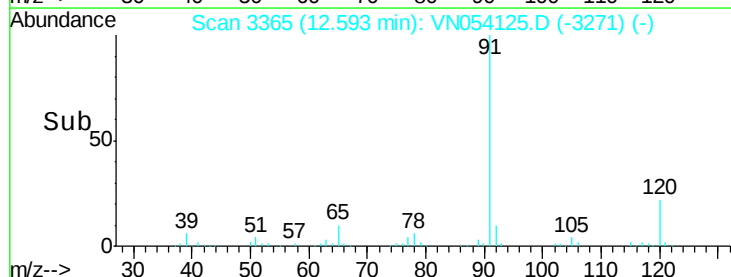
91 100

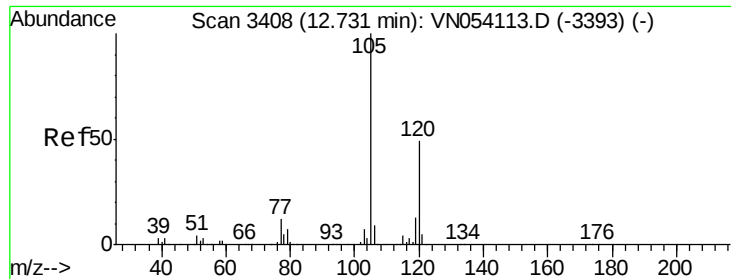
120 22.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 5.903 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054125.D

Acq: 6 Mar 2019 19:06

Instrument :

MSVOA_N

ClientSampled :

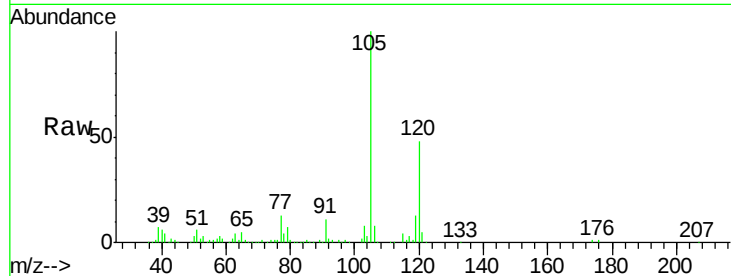
COMP-1

Tot Ion:105 Resp: 163245

Ion Ratio Lower Upper

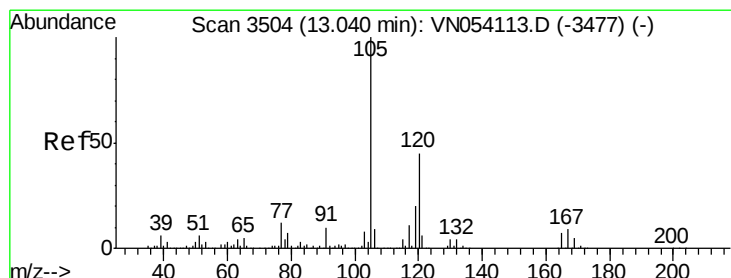
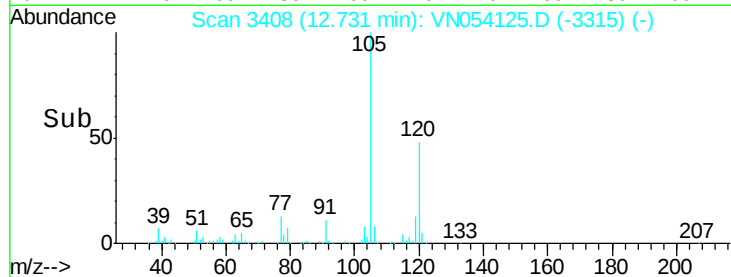
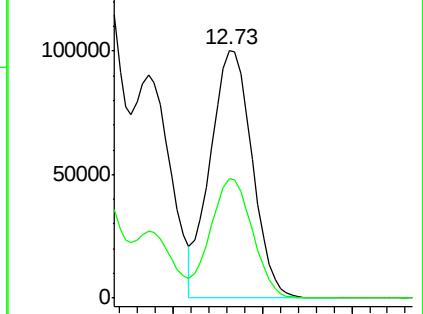
105 100

120 48.2 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.924 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054125.D

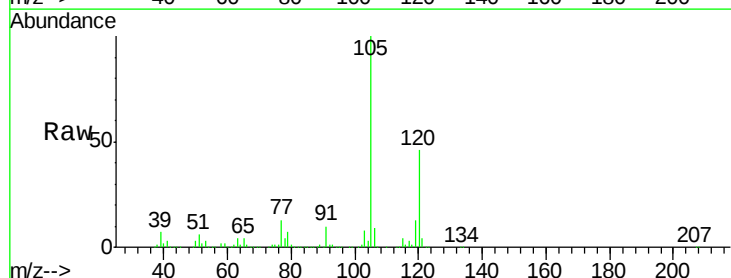
Acq: 6 Mar 2019 19:06

Tgt Ion:105 Resp: 656621

Ion Ratio Lower Upper

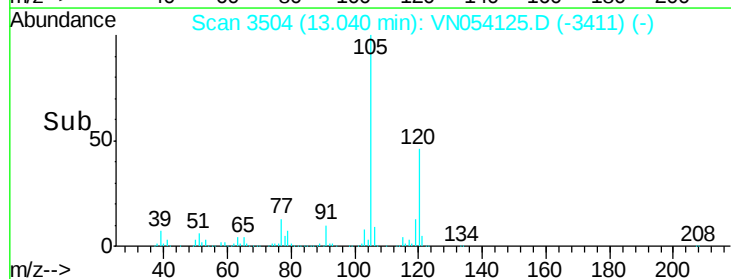
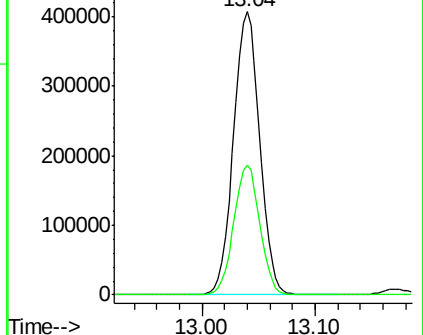
105 100

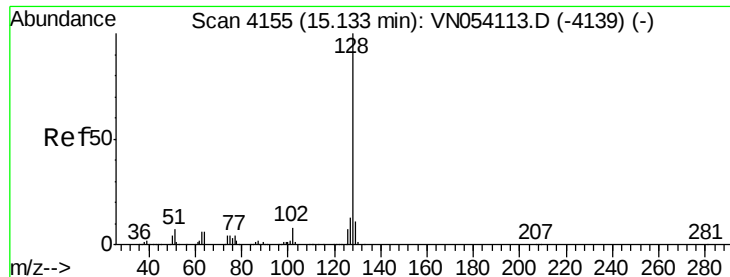
120 45.4 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

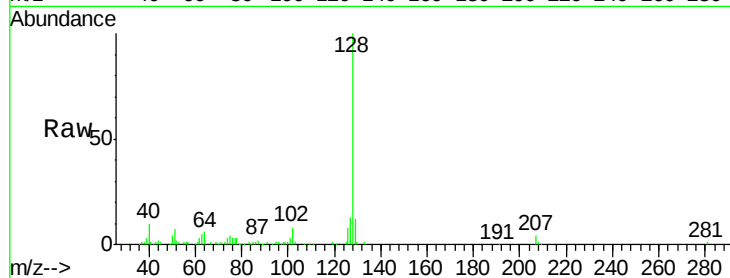




#95
Naphthalene
Concen: 9.808 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054125.D
Acq: 6 Mar 2019 19:06

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.8	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

