

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040219\
 Data File : VN054909.D
 Acq On : 2 Apr 2019 18:29
 Operator : JC/SP
 Sample : K1696-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-2

Quant Time: Apr 03 06:51:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032919W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 00:48:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	535611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	896672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	764229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	315257	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	358402	49.64	ug/l	0.00
Spiked Amount			Recovery	=	99.28%	
35) Dibromofluoromethane	7.59	113	284957	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
50) Toluene-d8	10.09	98	1069709	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
62) 4-Bromofluorobenzene	12.40	95	352479	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	

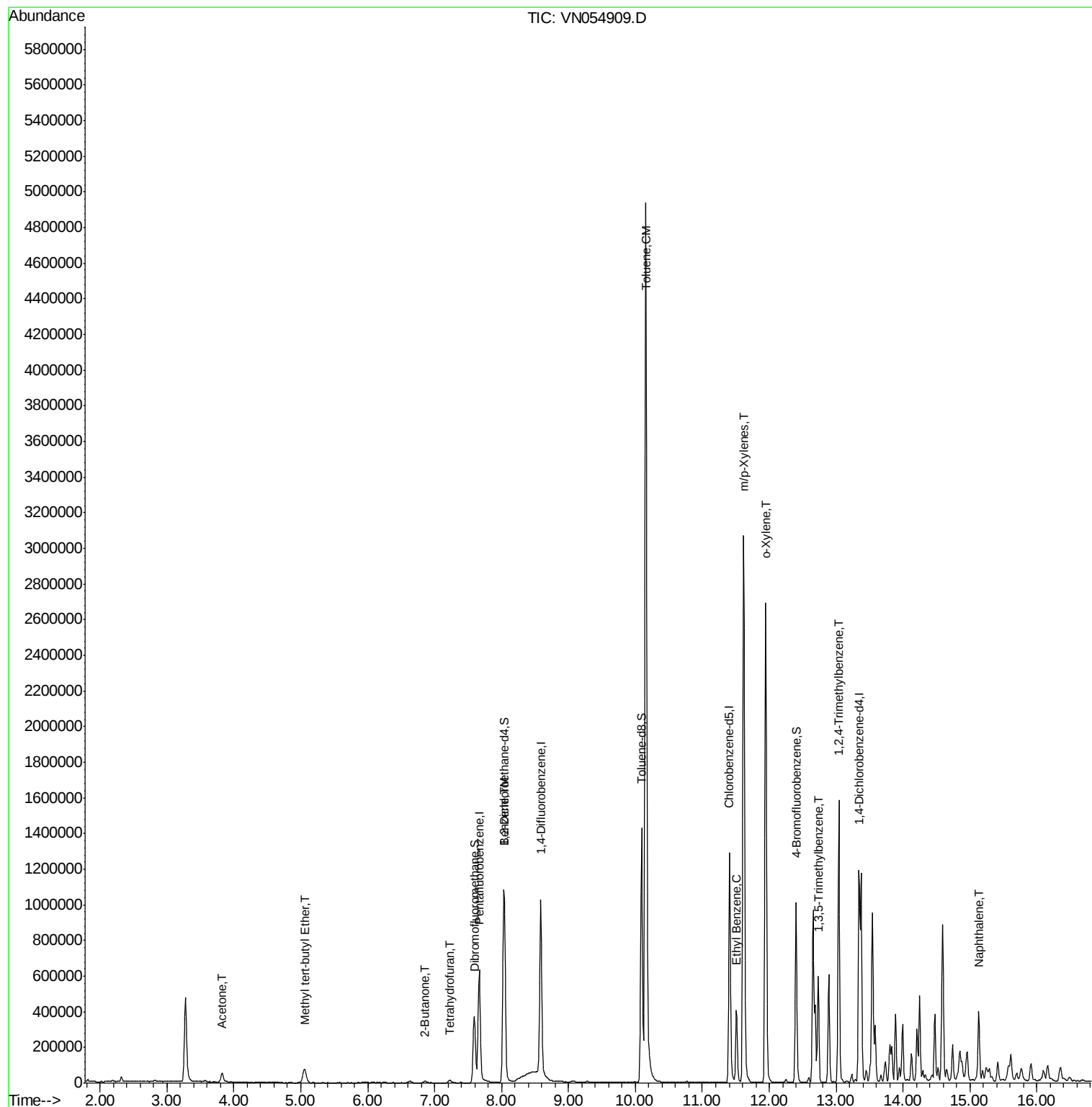
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	82069	47.666	ug/l #	86
19) Methyl tert-butyl Ether	5.05	73	120043	8.151	ug/l	94
25) 2-Butanone	6.85	43	16113	6.331	ug/l	90
29) Tetrahydrofuran	7.22	42	13503	7.639	ug/l #	86
40) Benzene	8.04	78	822349	34.397	ug/l	99
52) Toluene	10.16	92	2251359	158.257	ug/l	99
67) Ethyl Benzene	11.51	91	304994	11.296	ug/l	97
68) m/p-Xylenes	11.62	106	998731	99.952	ug/l	95
69) o-Xylene	11.95	106	748550	76.396	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	321583	15.210	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	905548	44.955	ug/l	96
95) Naphthalene	15.13	128	322241	28.361	ug/l	99

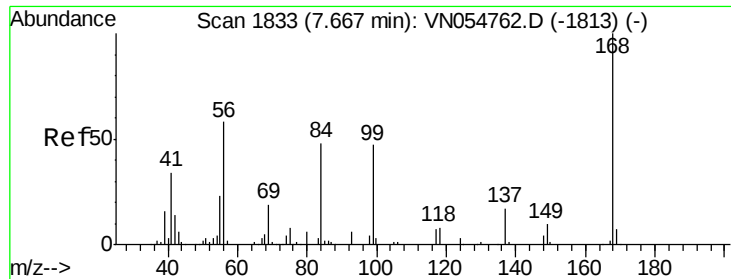
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054909.D

Acq: 2 Apr 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

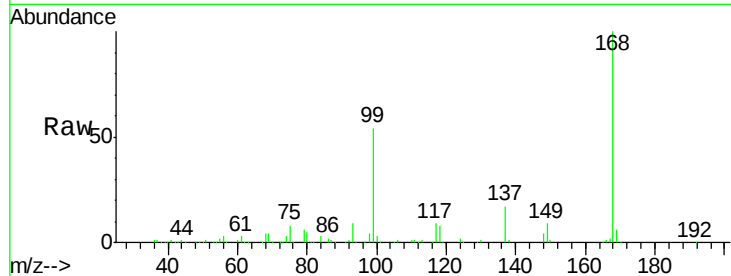
COMP-2

Tot Ion:168 Resp: 535611

Ion Ratio Lower Upper

168 100

99 53.8 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): VN054909.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN054909.D (-1740) (-)

7.67

250000

200000

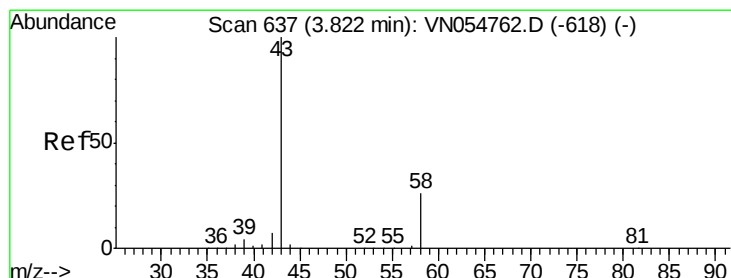
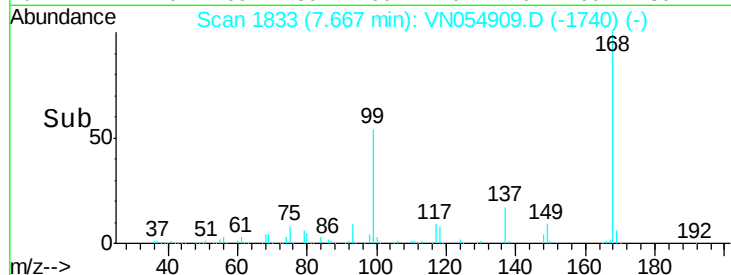
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 47.666 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.00 min

Lab File: VN054909.D

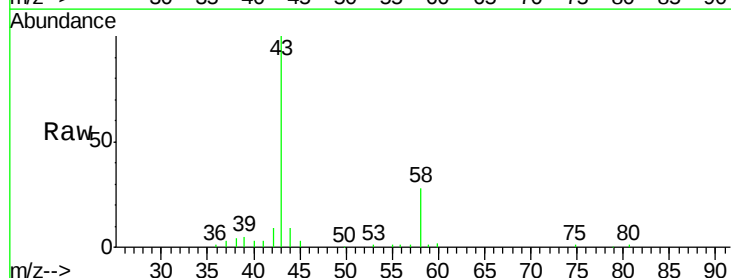
Acq: 2 Apr 2019 18:29

Tgt Ion: 43 Resp: 82069

Ion Ratio Lower Upper

43 100

58 29.2 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN054909.D (-544) (-)

Ion 58.00 (57.70 to 58.70): VN054909.D (-544) (-)

3.82

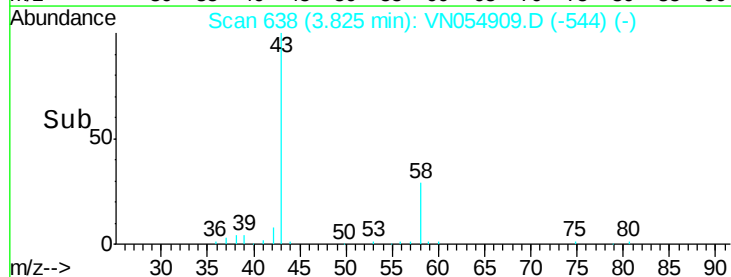
30000

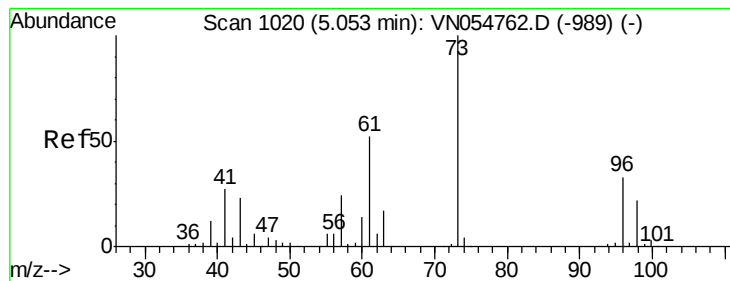
20000

10000

0

Time-->





#19

Methyl tert-butyl Ether

Concen: 8.151 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VN054909.D

Acq: 2 Apr 2019 18:29

Instrument :

MSVOA_N

ClientSampled :

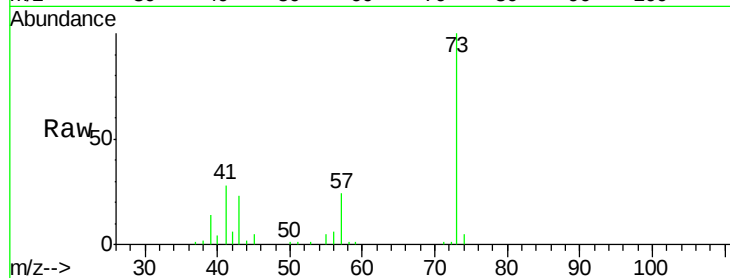
COMP-2

Tot Ion: 73 Resp: 120043

Ion Ratio Lower Upper

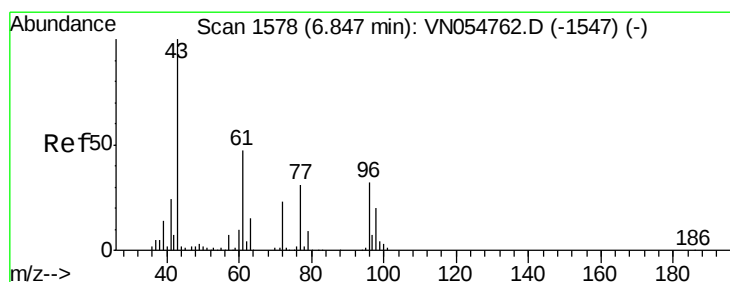
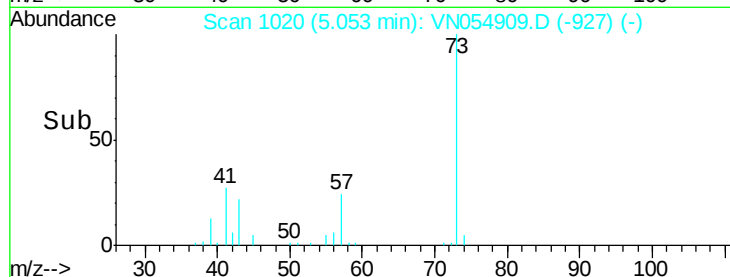
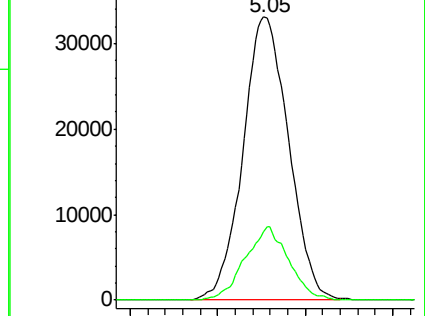
73 100

57 24.0 16.8 25.2



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#25

2-Butanone

Concen: 6.331 ug/l

RT: 6.85 min Scan# 1580

Delta R.T. 0.01 min

Lab File: VN054909.D

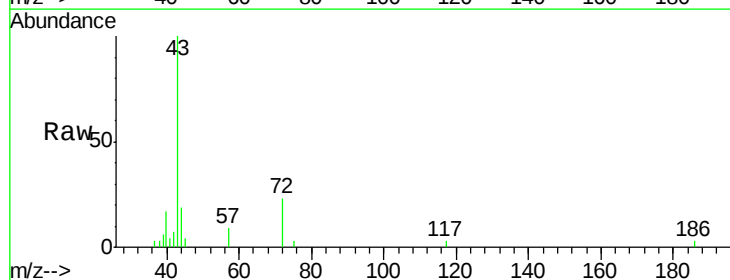
Acq: 2 Apr 2019 18:29

Tgt Ion: 43 Resp: 16113

Ion Ratio Lower Upper

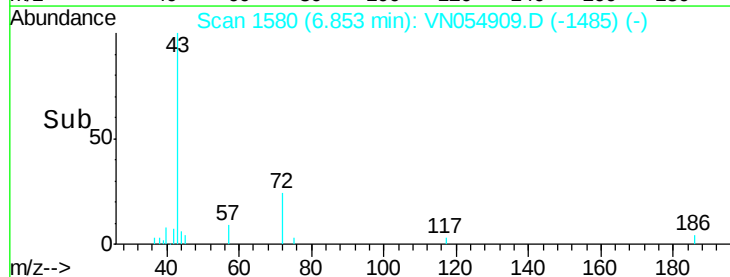
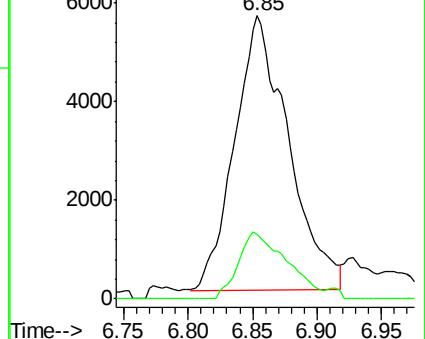
43 100

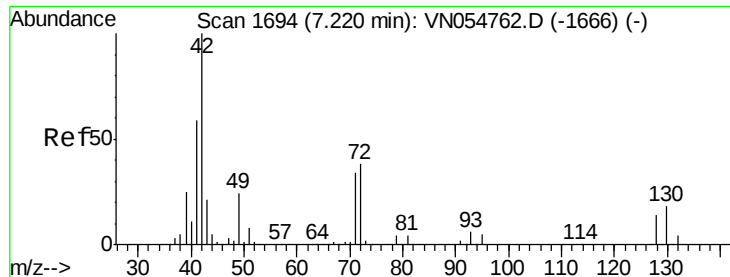
72 23.7 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

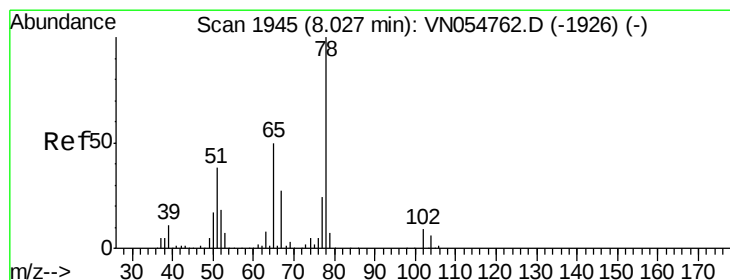
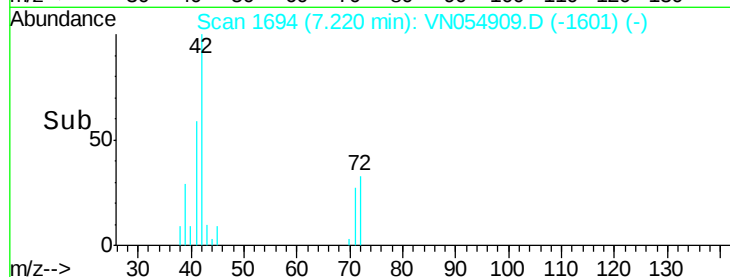
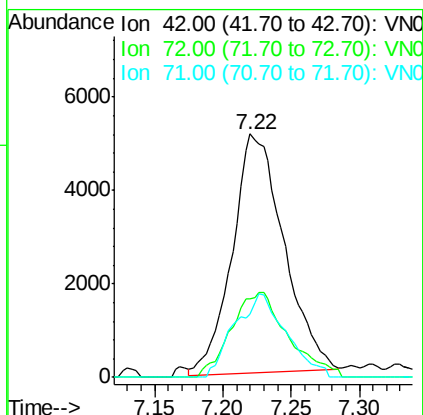
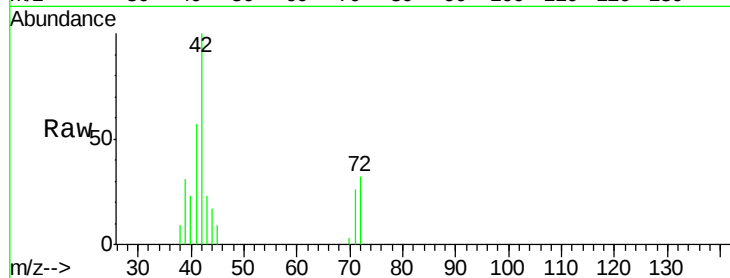




#29
Tetrahydrofuran
Concen: 7.639 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN054909.D
Acq: 2 Apr 2019 18:29

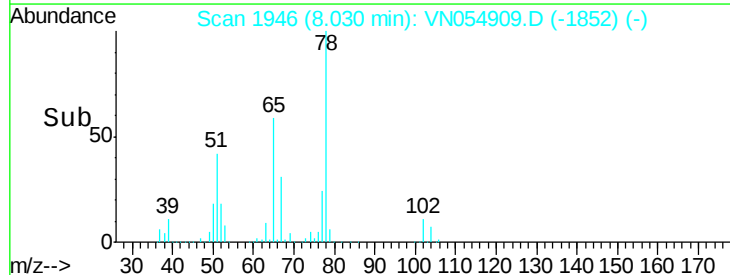
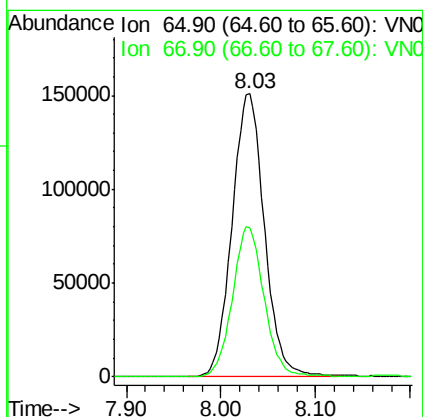
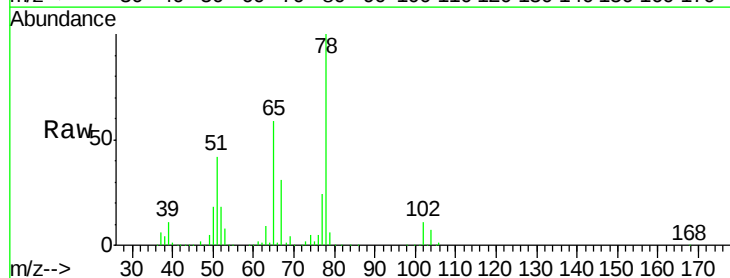
Instrument :
MSVOA_N
ClientSampled :
COMP-2

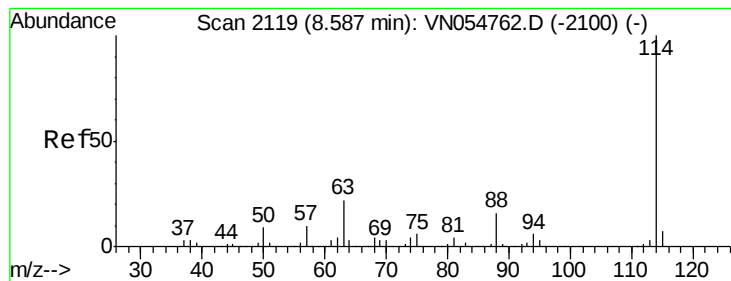
Tot Ion: 42 Resp: 13503
Ion Ratio Lower Upper
42 100
72 38.9 37.8 56.6
71 34.8 36.2 54.2#



#33
1,2-Dichloroethane-d4
Concen: 49.639 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN054909.D
Acq: 2 Apr 2019 18:29

Tgt Ion: 65 Resp: 358402
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054909.D

Acq: 2 Apr 2019 18:29

Instrument :

MSVOA_N

ClientSampled :

COMP-2

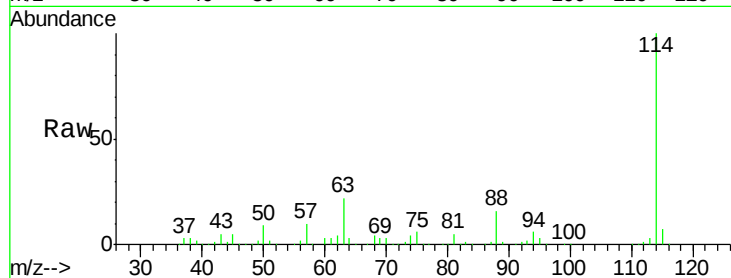
Tot Ion:114 Resp: 896672

Ion Ratio Lower Upper

114 100

63 22.2 0.0 35.2

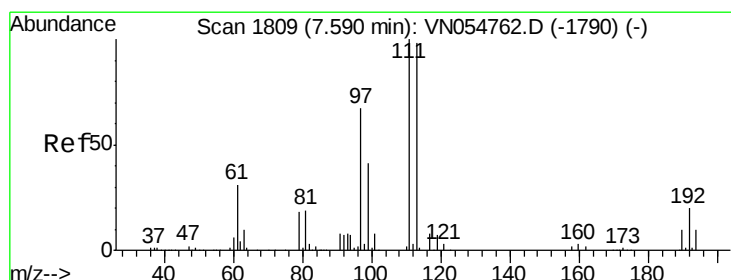
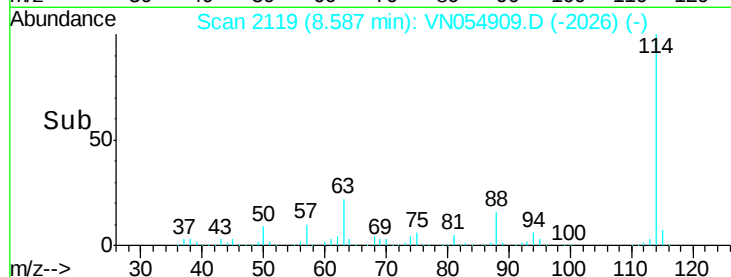
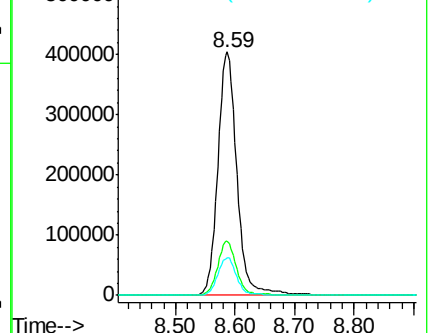
88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 47.667 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054909.D

Acq: 2 Apr 2019 18:29

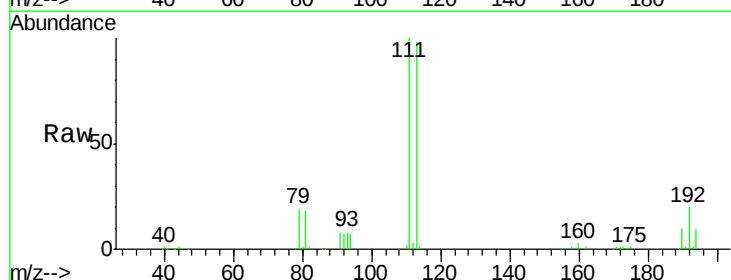
Tgt Ion:113 Resp: 284957

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.4

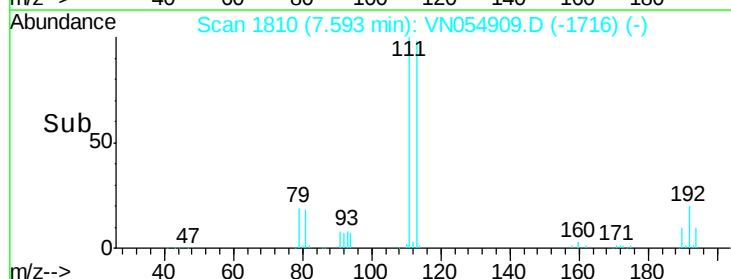
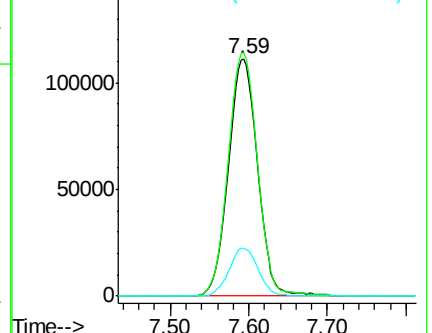
192 20.4 19.2 28.8

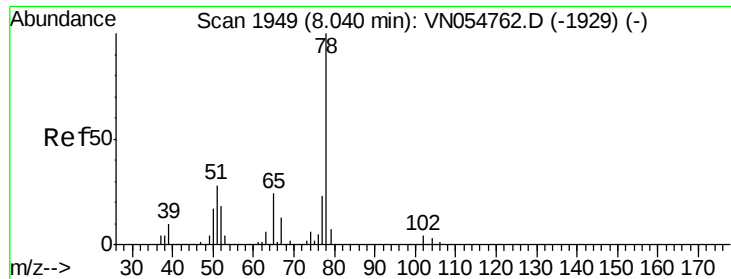


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 34.397 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN054909.D

Acq: 2 Apr 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

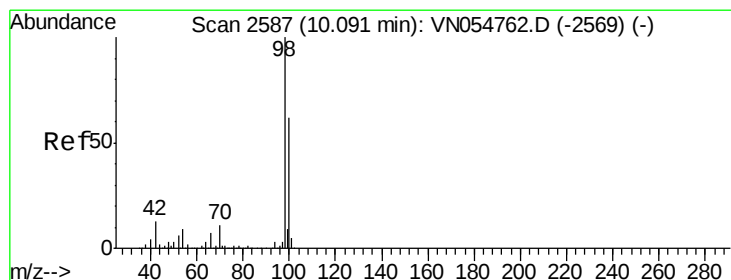
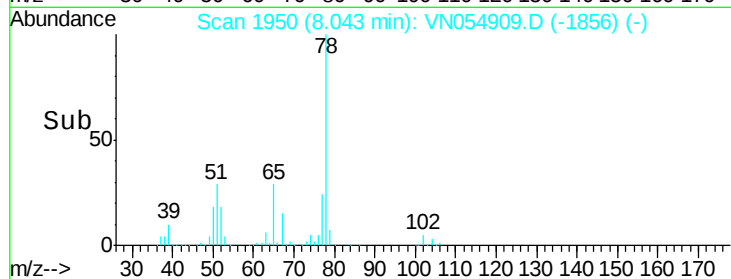
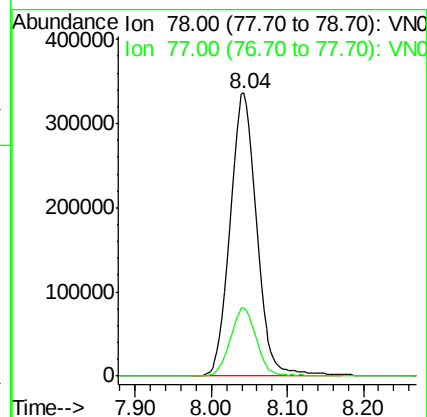
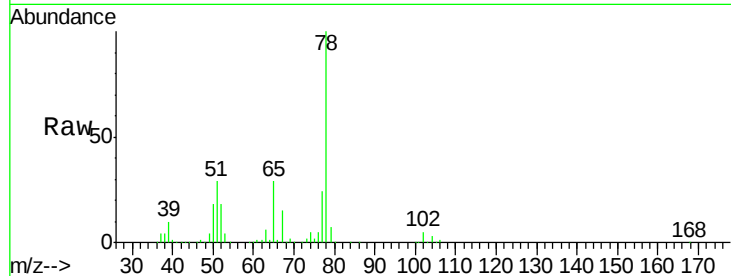
COMP-2

Tot Ion: 78 Resp: 822349

Ion Ratio Lower Upper

78 100

77 24.4 19.1 28.7



#50

Toluene-d8

Concen: 48.131 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054909.D

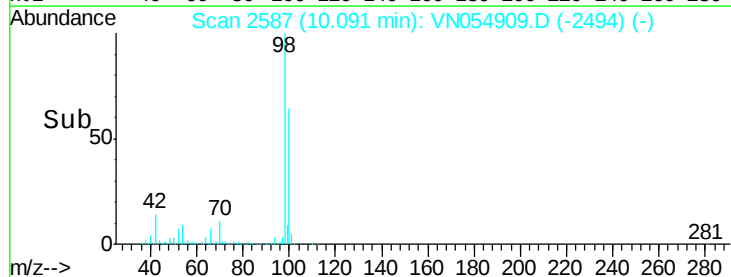
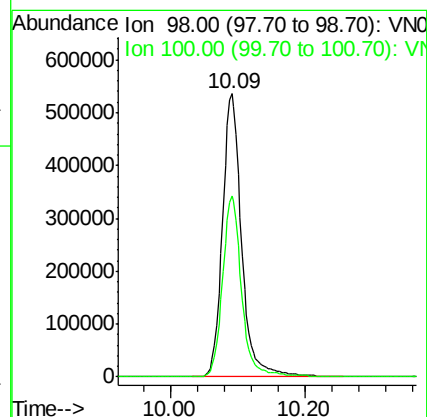
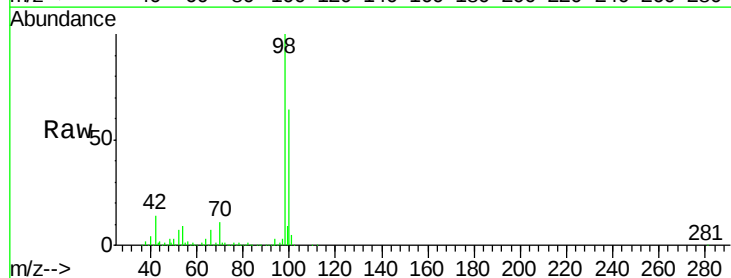
Acq: 2 Apr 2019 18:29

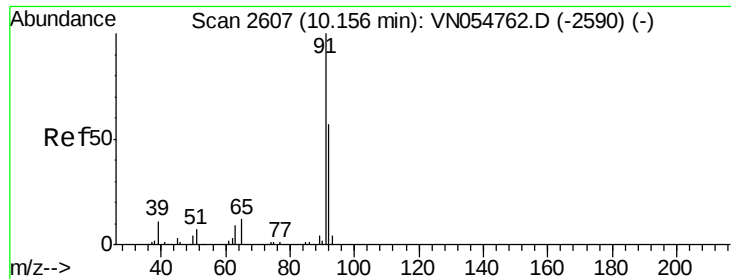
Tgt Ion: 98 Resp: 1069709

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8





#52

Toluene

Concen: 158.257 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054909.D

Acq: 2 Apr 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

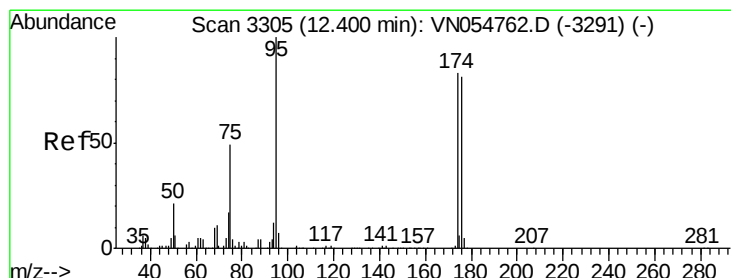
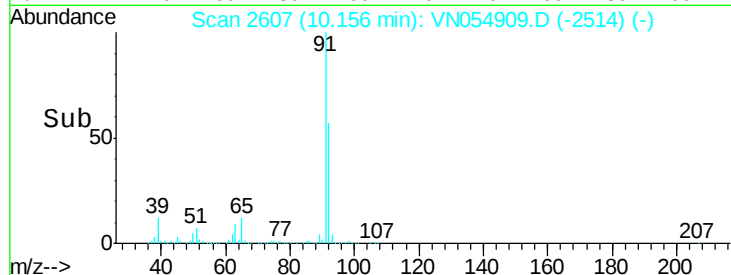
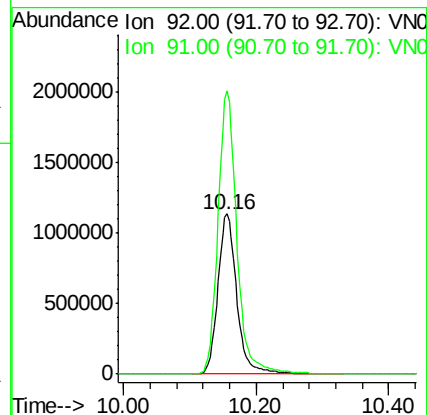
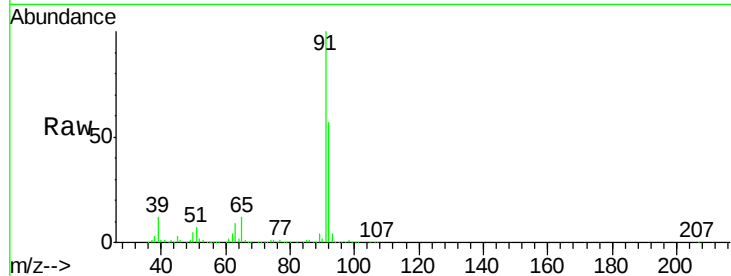
COMP-2

Tot Ion: 92 Resp: 2251359

Ion Ratio Lower Upper

92 100

91 176.7 140.7 211.1



#62

4-Bromofluorobenzene

Concen: 47.687 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054909.D

Acq: 2 Apr 2019 18:29

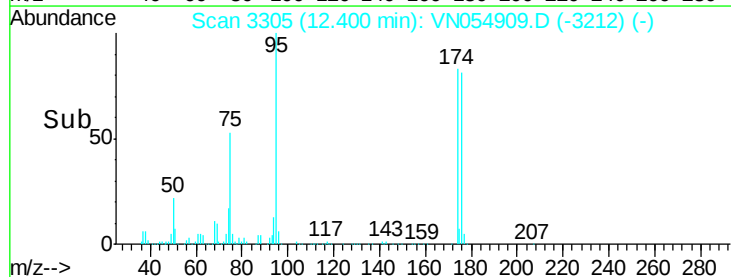
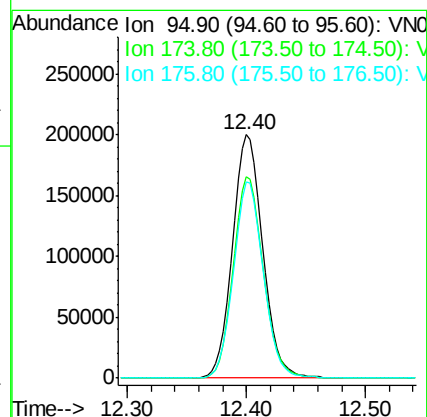
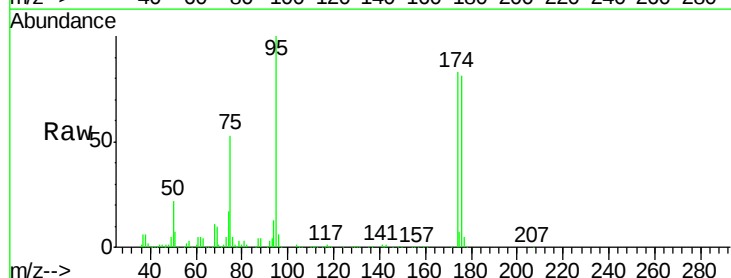
Tgt Ion: 95 Resp: 352479

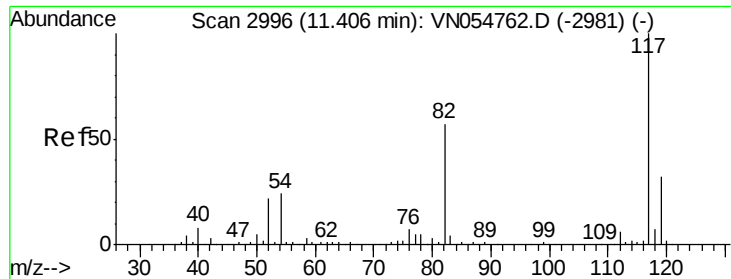
Ion Ratio Lower Upper

95 100

174 82.4 0.0 191.0

176 79.5 0.0 187.4

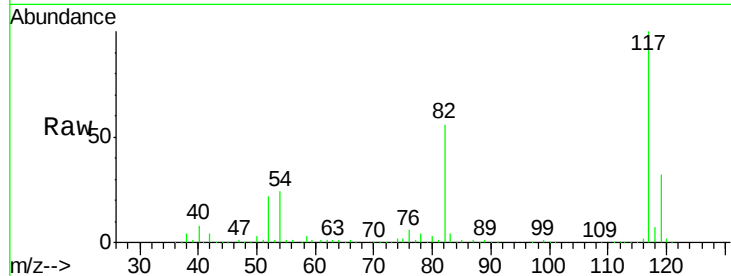




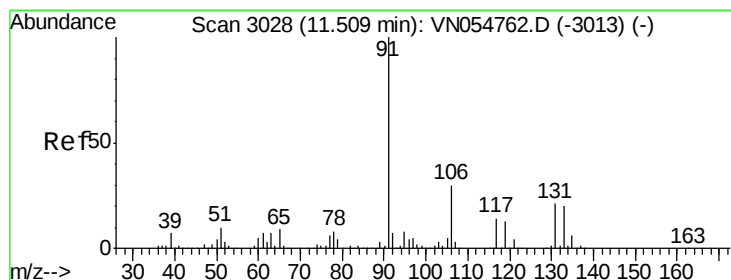
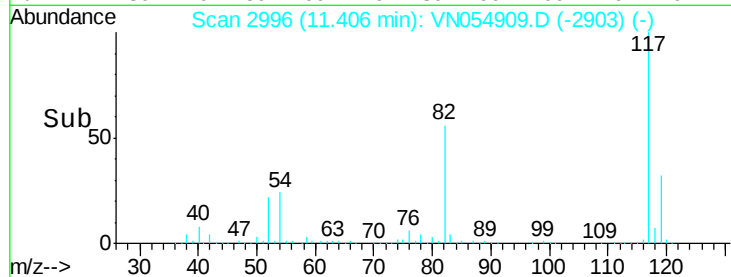
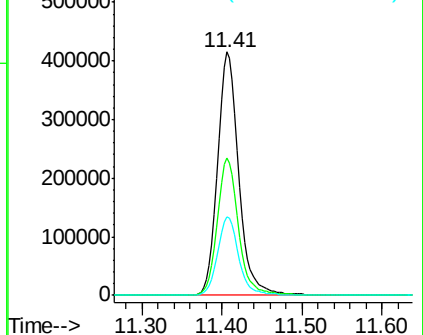
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054909.D
Acq: 2 Apr 2019 18:29

Instrument :
MSVOA_N
ClientSampled :
COMP-2

Tot Ion:117 Resp: 764229
Ion Ratio Lower Upper
117 100
82 56.3 40.0 60.0
119 32.2 25.8 38.6

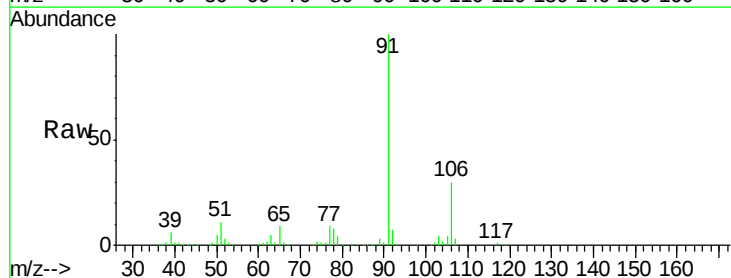


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

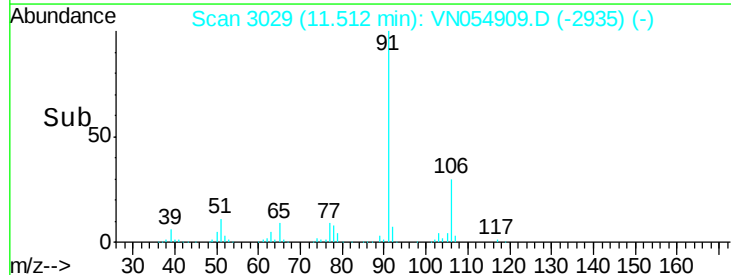
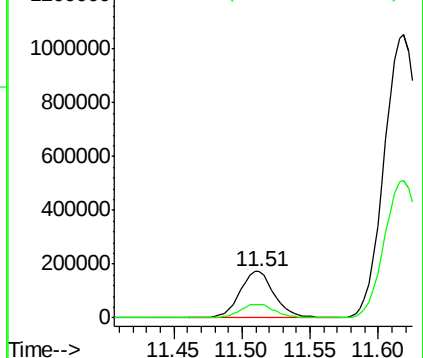


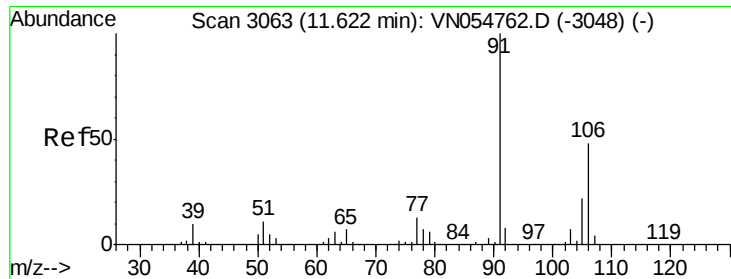
#67
Ethyl Benzene
Concen: 11.296 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN054909.D
Acq: 2 Apr 2019 18:29

Tgt Ion: 91 Resp: 304994
Ion Ratio Lower Upper
91 100
106 30.0 25.5 38.3



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

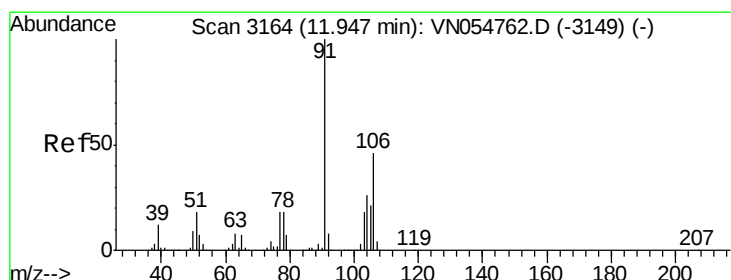
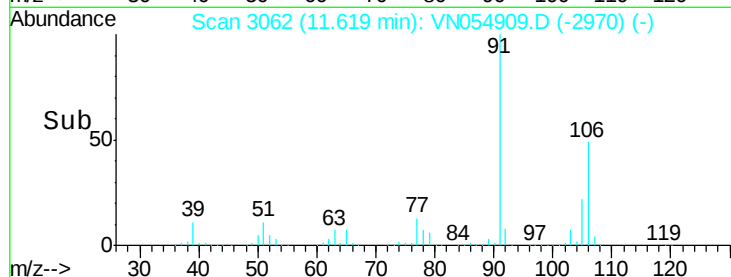
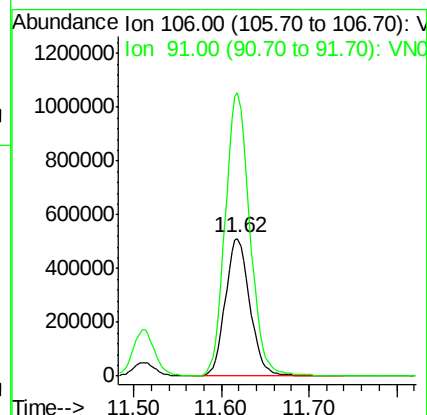
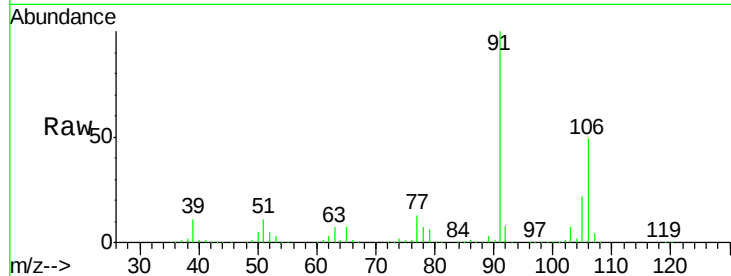




#68
m/p-Xylenes
Concen: 99.952 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054909.D
Acq: 2 Apr 2019 18:29

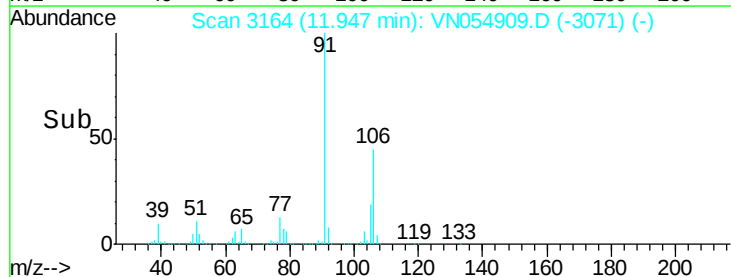
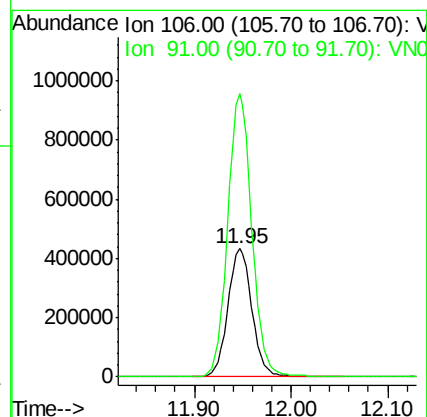
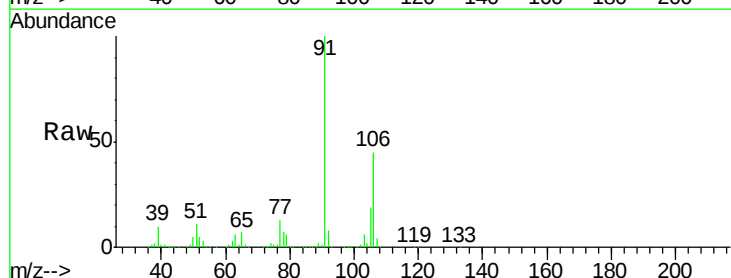
Instrument :
MSVOA_N
ClientSampleId :
COMP-2

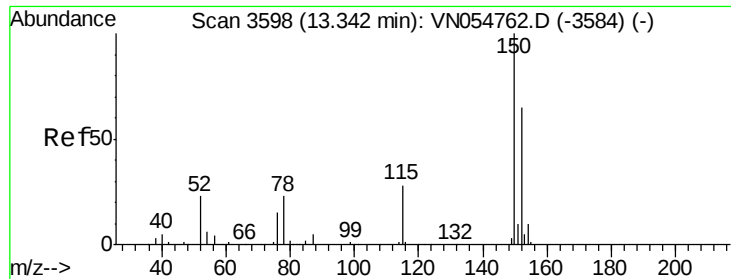
Tot Ion:106 Resp: 998731
Ion Ratio Lower Upper
106 100
91 206.8 159.4 239.2



#69
o-Xylene
Concen: 76.396 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054909.D
Acq: 2 Apr 2019 18:29

Tgt Ion:106 Resp: 748550
Ion Ratio Lower Upper
106 100
91 220.8 105.7 317.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054909.D

Acq: 2 Apr 2019 18:29

Instrument :

MSVOA_N

ClientSampleId :

COMP-2

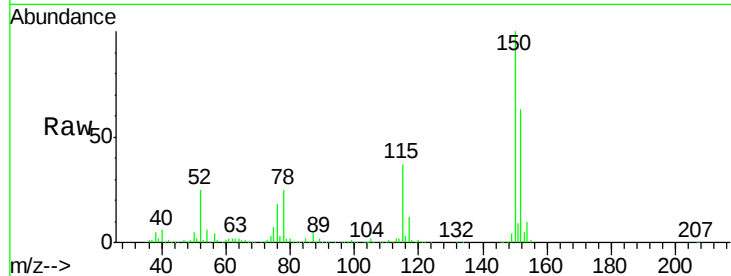
Tot Ion:152 Resp: 315257

Ion Ratio Lower Upper

152 100

115 66.2 27.2 81.6

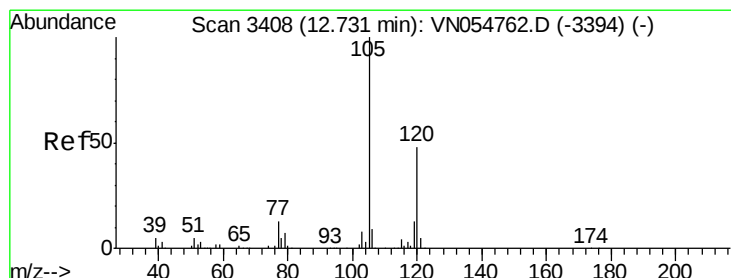
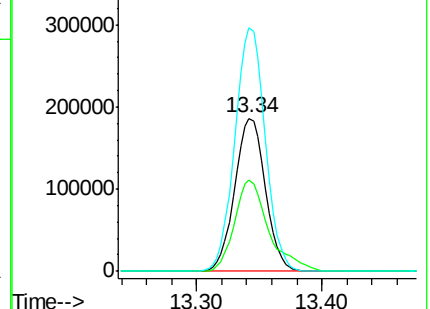
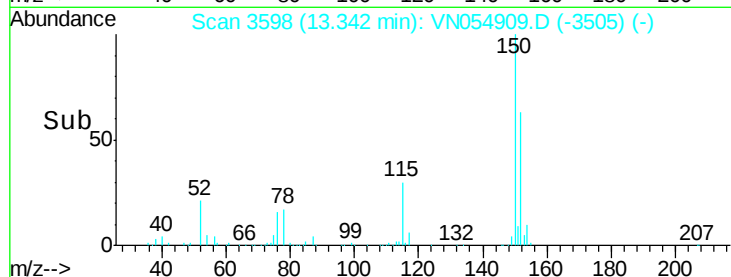
150 157.9 0.0 349.2



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



#80

1,3,5-Trimethylbenzene

Concen: 15.210 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054909.D

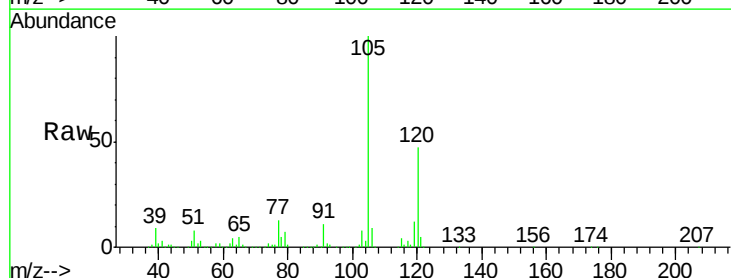
Acq: 2 Apr 2019 18:29

Tgt Ion:105 Resp: 321583

Ion Ratio Lower Upper

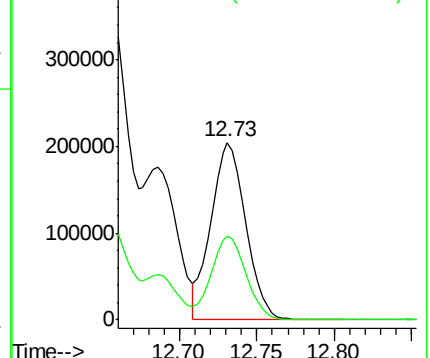
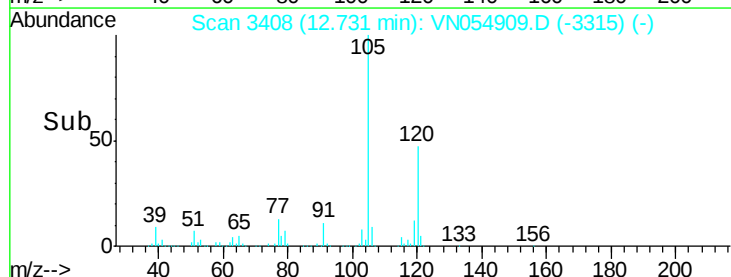
105 100

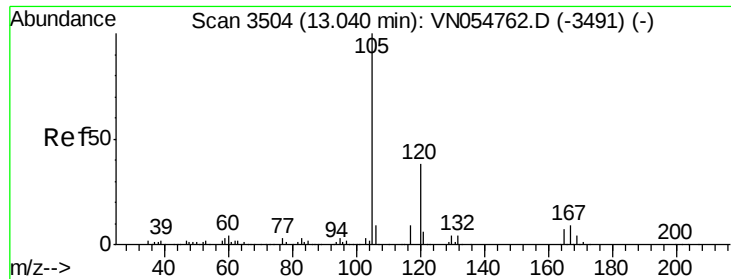
120 47.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

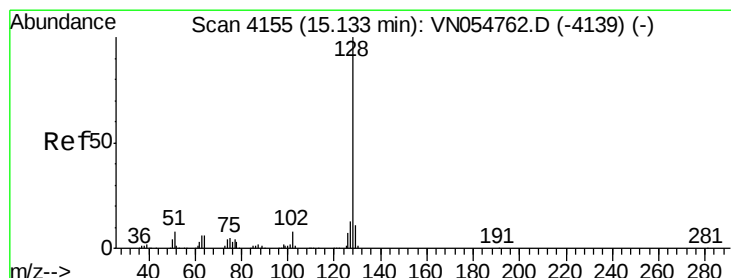
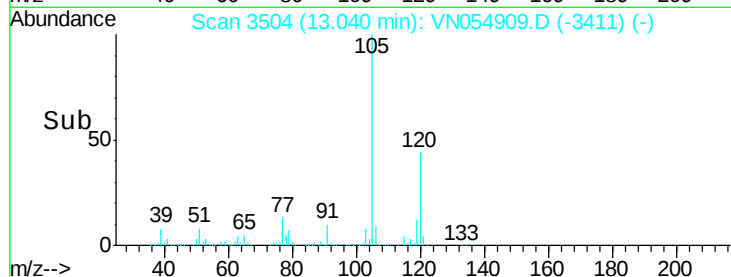
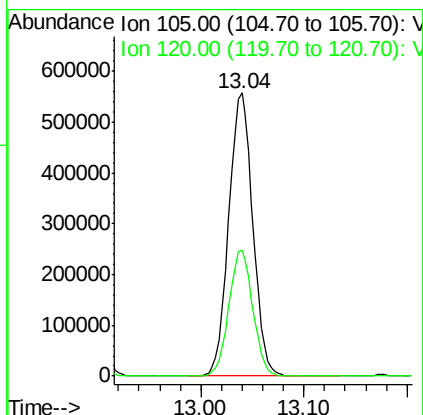
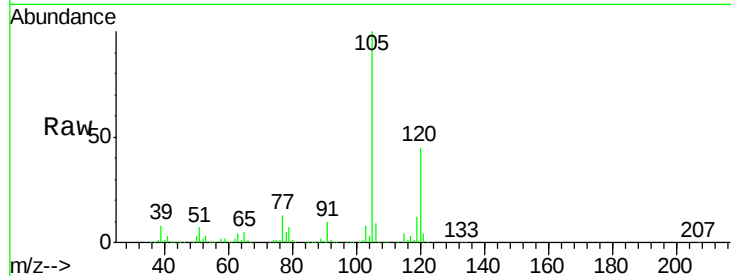




#84
 1,2,4-Trimethylbenzene
 Concen: 44.955 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN054909.D
 Acq: 2 Apr 2019 18:29

Instrument :
 MSVOA_N
 ClientSampled :
 COMP-2

Tot Ion:105 Resp: 905548
 Ion Ratio Lower Upper
 105 100
 120 44.3 23.4 70.3



#95
 Naphthalene
 Concen: 28.361 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN054909.D
 Acq: 2 Apr 2019 18:29

Tgt Ion:128 Resp: 322241
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.1 15.1
 129 10.7 8.7 13.1

