

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062019\
 Data File : VN056395.D
 Acq On : 20 Jun 2019 12:18
 Operator : JC/SP
 Sample : K3451-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WH-COMP-2

Quant Time: Jun 21 04:54:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	386992	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	646690	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	272709	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	213865	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	188711	46.78	ug/l	0.00
Spiked Amount			Recovery	=	93.56%	
50) Toluene-d8	10.09	98	821936	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.40	95	315193	60.23	ug/l	0.00
Spiked Amount			Recovery	=	120.46%	

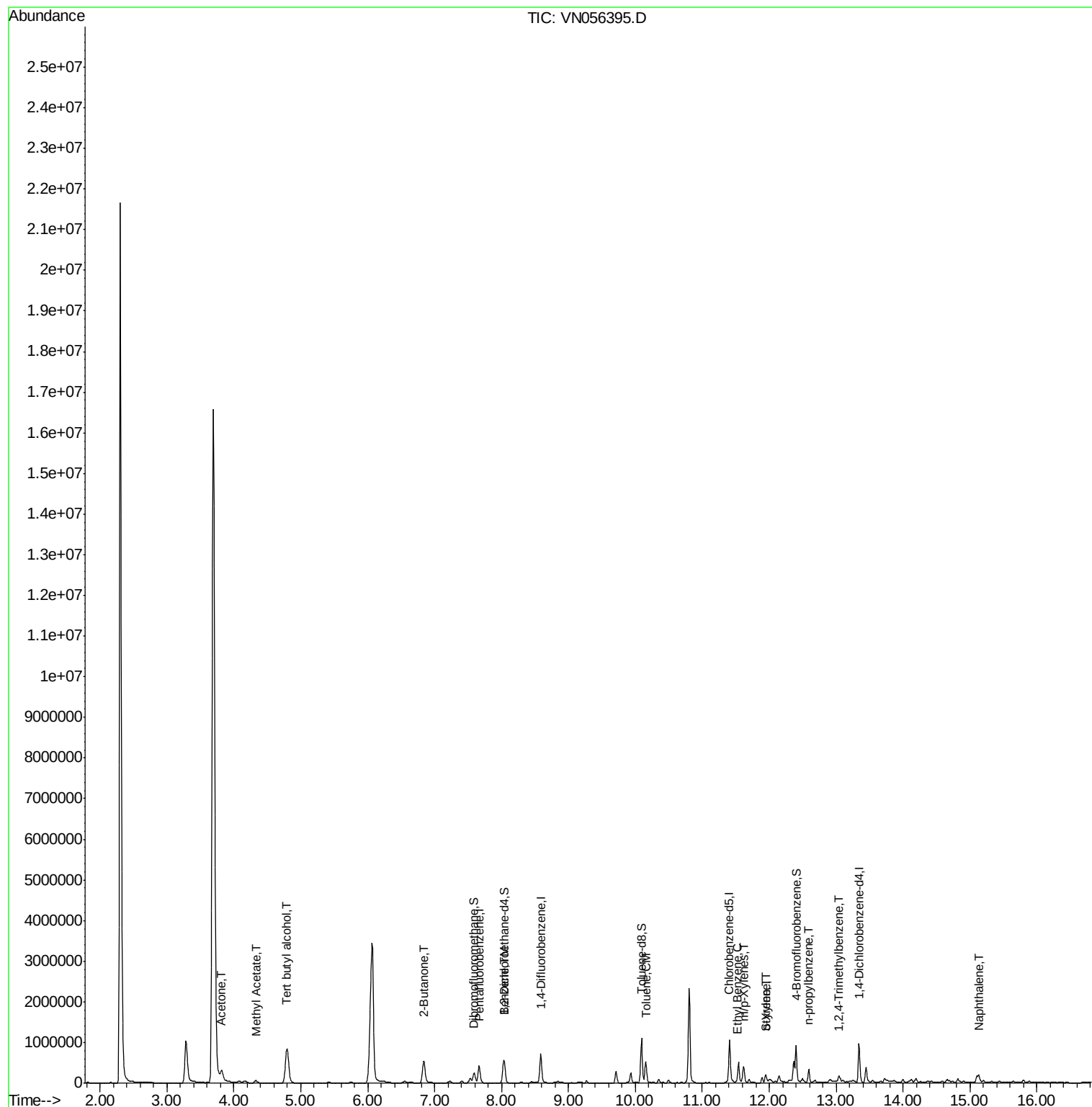
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	1586716	2196.484	ug/l	99
16) Acetone	3.82	43	333352	155.128	ug/l #	16
18) Methyl Acetate	4.33	43	118565	27.785	ug/l	99
25) 2-Butanone	6.84	43	982413	345.426	ug/l	99
40) Benzene	8.04	78	412119	23.538	ug/l	97
52) Toluene	10.16	92	241396	22.551	ug/l	100
67) Ethyl Benzene	11.51	91	35657	1.521	ug/l	95
68) m/p-Xylenes	11.62	106	140386	16.336	ug/l	100
69) o-Xylene	11.95	106	47008	5.529	ug/l	87
70) Styrene	11.96	104	21081	1.551	ug/l #	73
78) n-propylbenzene	12.59	91	160907	6.443	ug/l #	53
84) 1,2,4-Trimethylbenzene	13.04	105	109198	5.948	ug/l	81
95) Naphthalene	15.13	128	93821	11.975	ug/l #	91

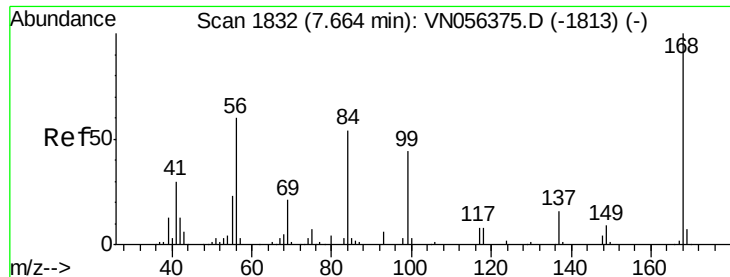
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN056395.D

Acq: 20 Jun 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

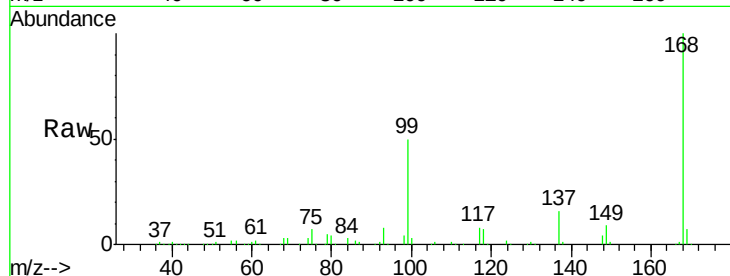
WH-COMP-2

Tot Ion:168 Resp: 386992

Ion Ratio Lower Upper

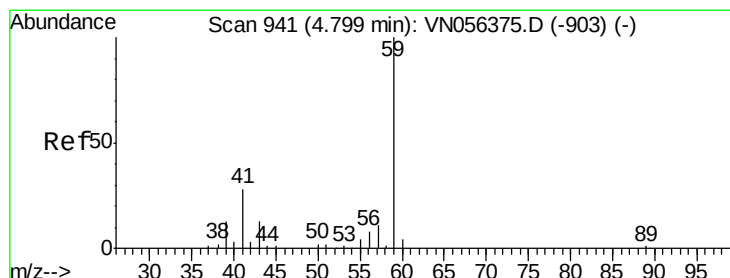
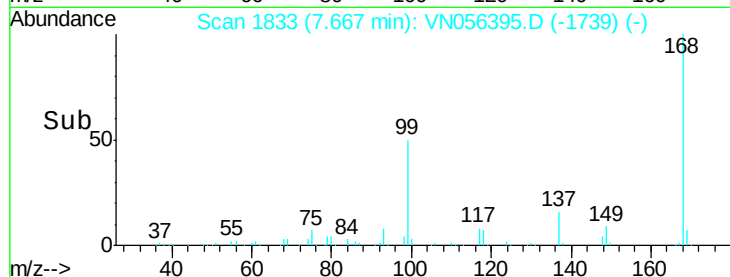
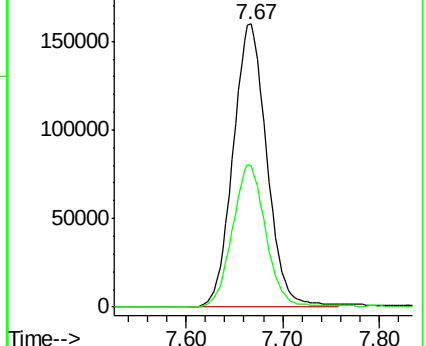
168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 2196.484 ug/l

RT: 4.79 min Scan# 939

Delta R.T. -0.01 min

Lab File: VN056395.D

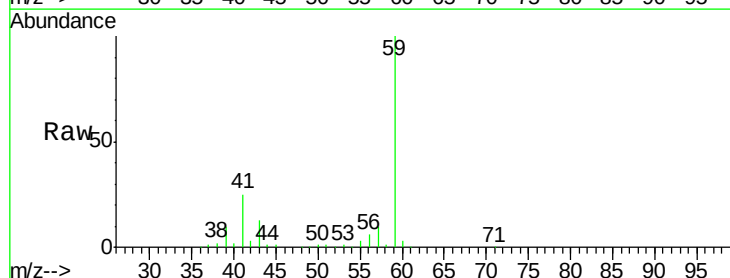
Acq: 20 Jun 2019 12:18

Tgt Ion: 59 Resp: 1586716

Ion Ratio Lower Upper

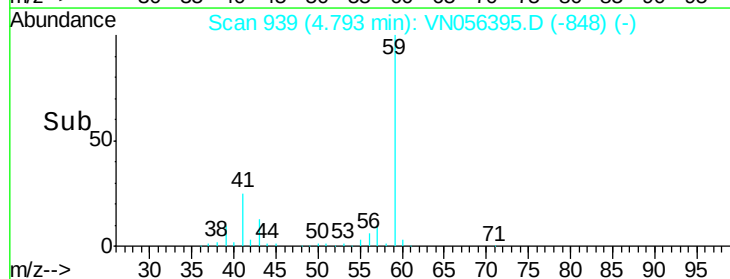
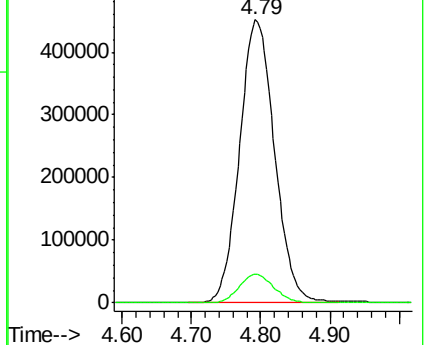
59 100

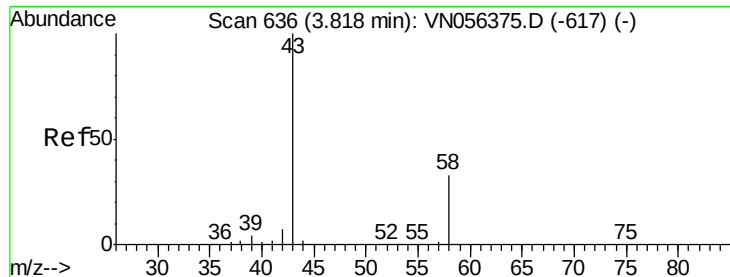
57 10.0 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 155.128 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

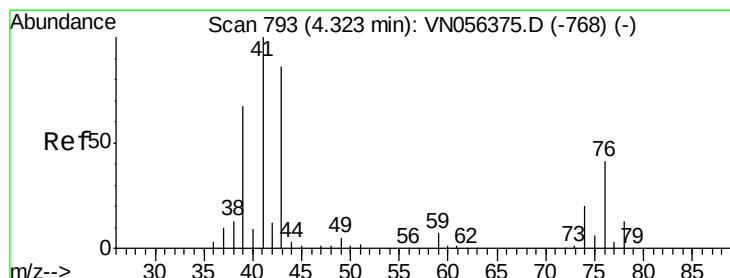
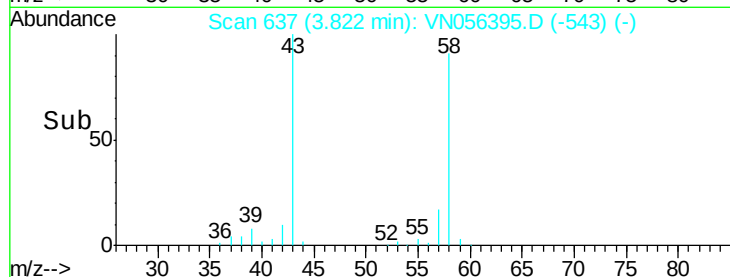
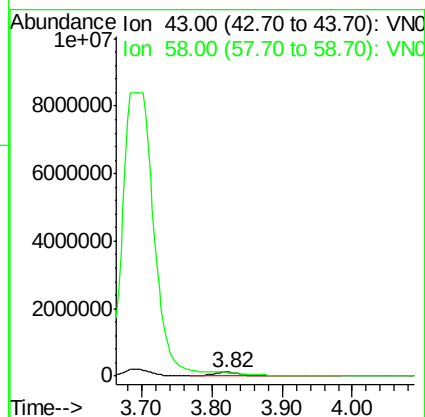
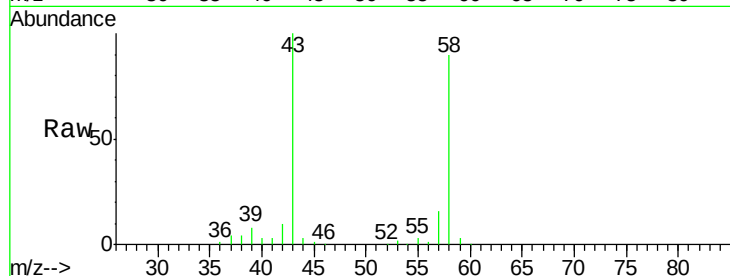
WH-COMP-2

Tot Ion: 43 Resp: 333352

Ion Ratio Lower Upper

43 100

58 80.3 26.4 39.6#



#18

Methyl Acetate

Concen: 27.785 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN056395.D

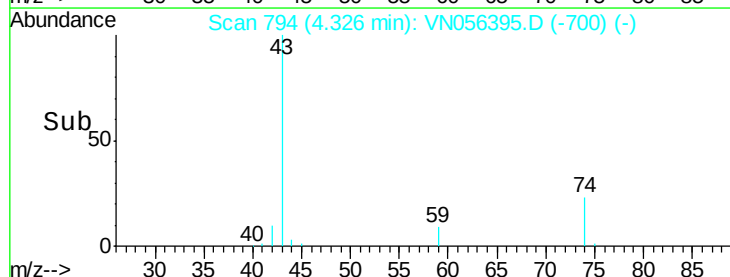
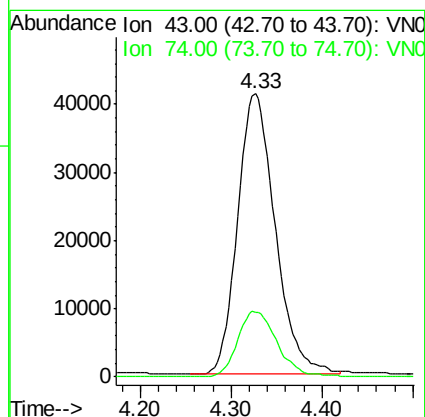
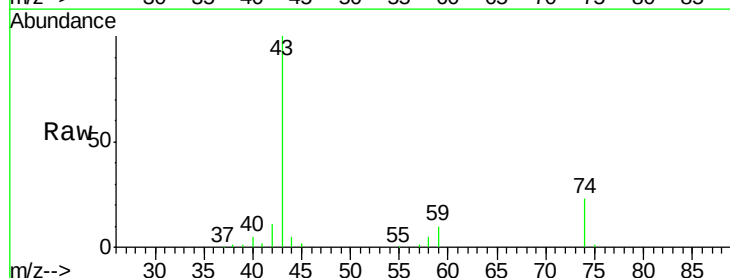
Acq: 20 Jun 2019 12:18

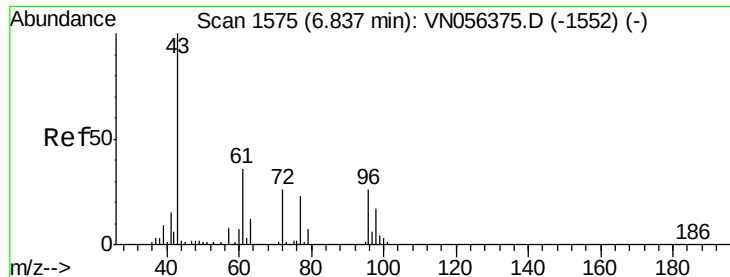
Tgt Ion: 43 Resp: 118565

Ion Ratio Lower Upper

43 100

74 24.3 19.2 28.8

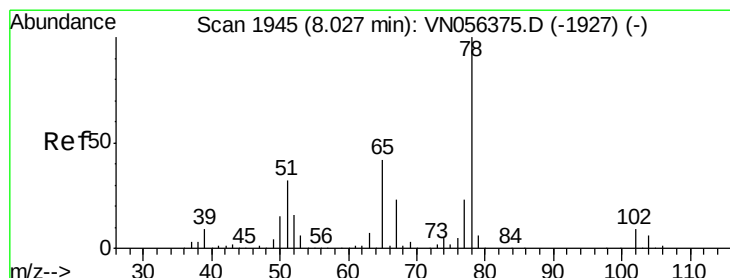
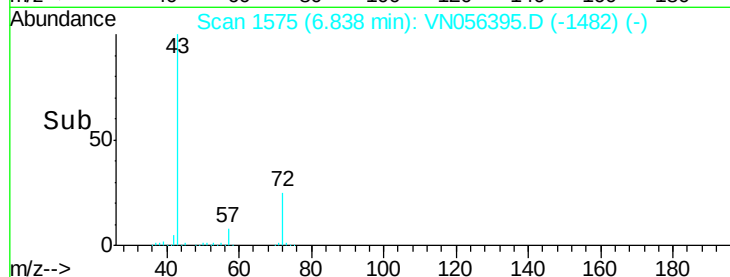
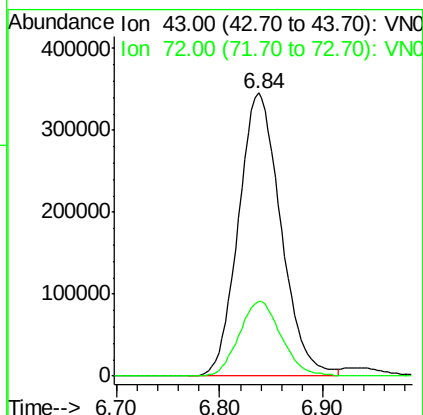
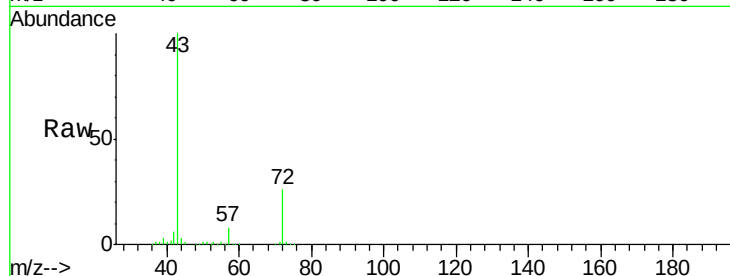




#25
2-Butanone
Concen: 345.426 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

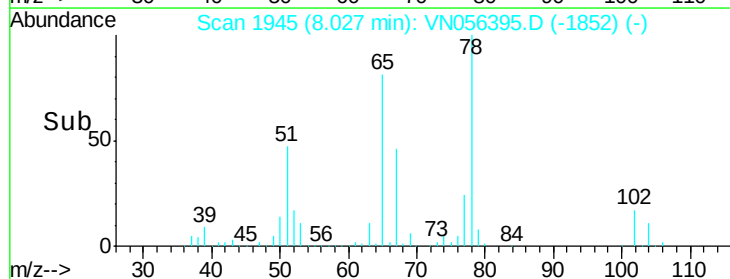
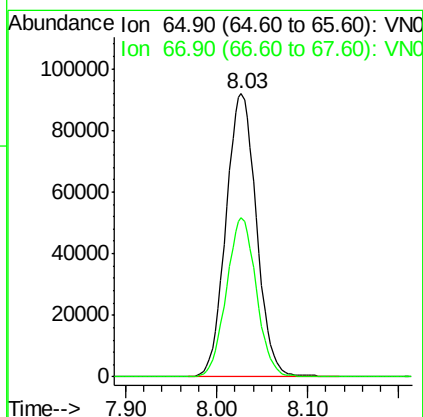
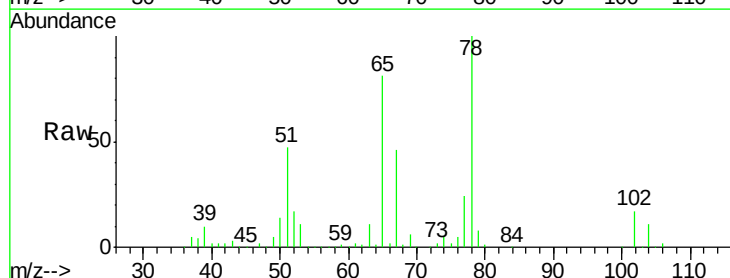
Instrument :
MSVOA_N
ClientSampleId :
WH-COMP-2

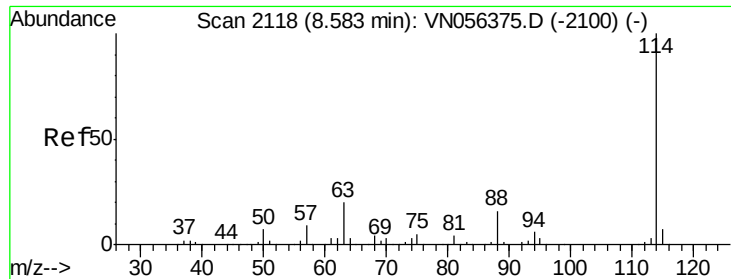
Tot Ion: 43 Resp: 982413
Ion Ratio Lower Upper
43 100
72 26.3 20.6 31.0



#33
1,2-Dichloroethane-d4
Concen: 49.863 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

Tgt Ion: 65 Resp: 213865
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

WH-COMP-2

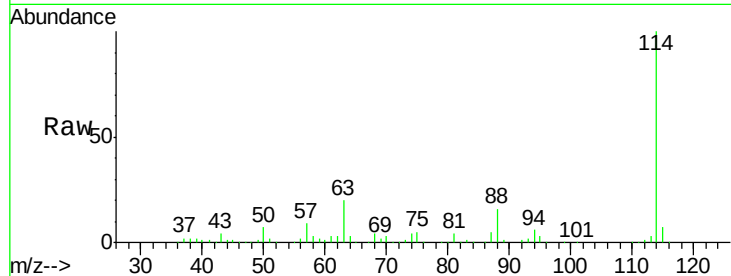
Tot Ion:114 Resp: 646690

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.2

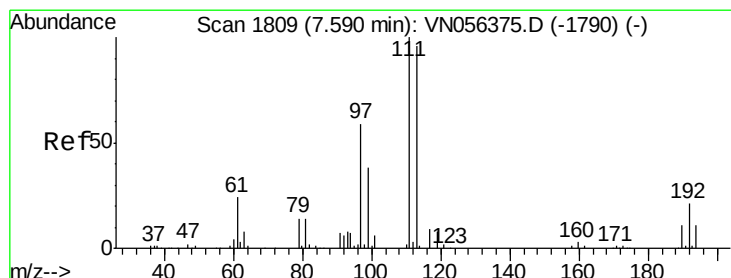
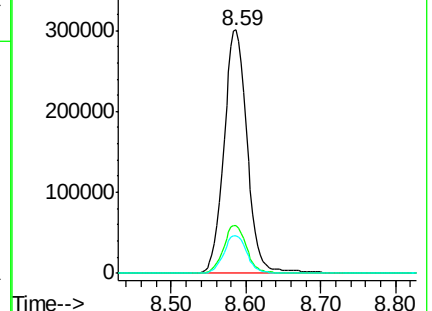
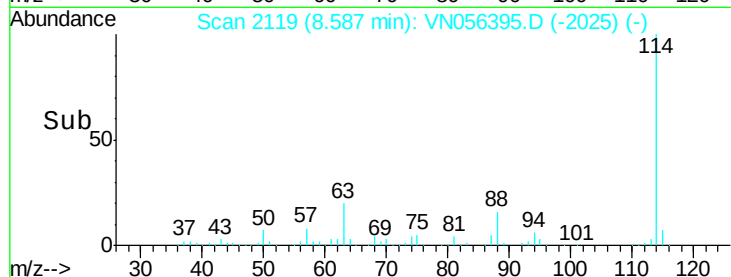
88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.777 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

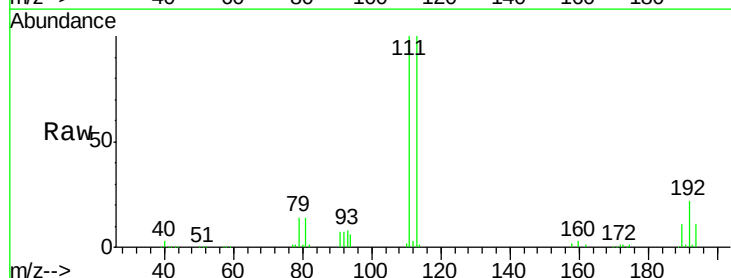
Tgt Ion:113 Resp: 188711

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

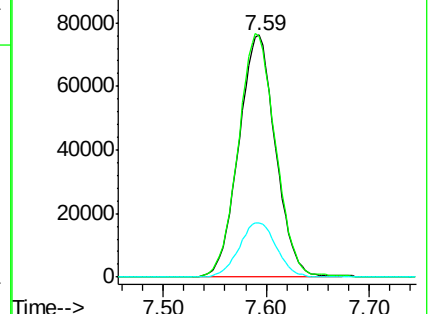
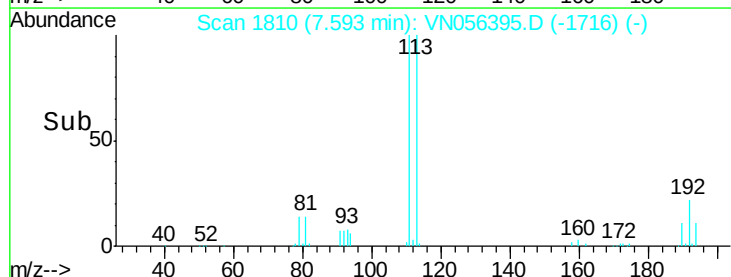
192 22.9 17.7 26.5

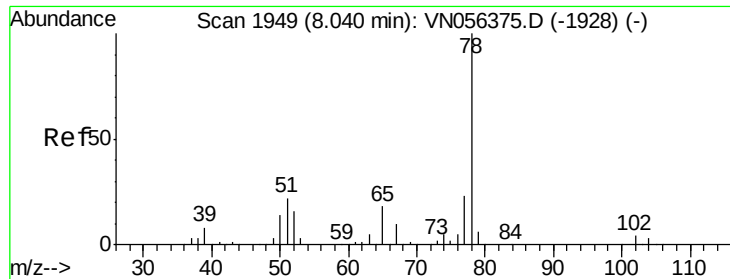


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 23.538 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

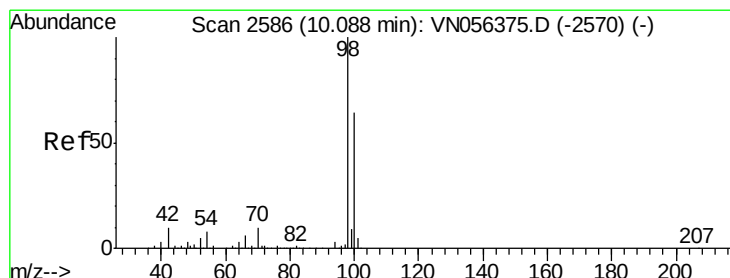
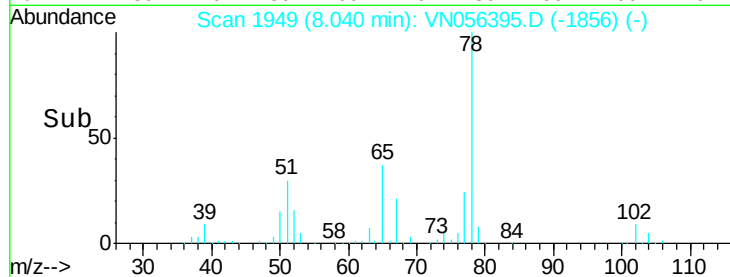
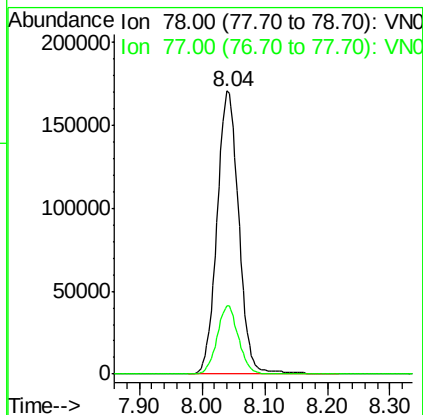
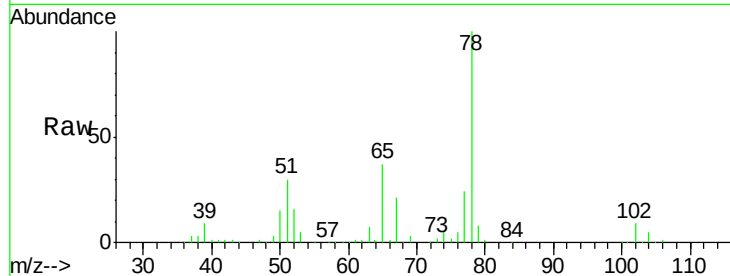
Instrument :
MSVOA_N
ClientSampleId :
WH-COMP-2

Tot Ion: 78 Resp: 412119

Ion Ratio Lower Upper

78 100

77 24.1 18.3 27.5



#50

Toluene-d8

Concen: 52.360 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056395.D

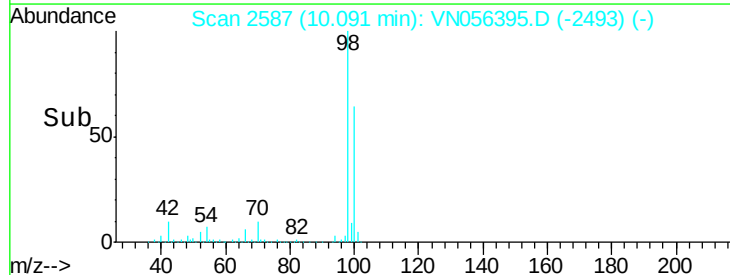
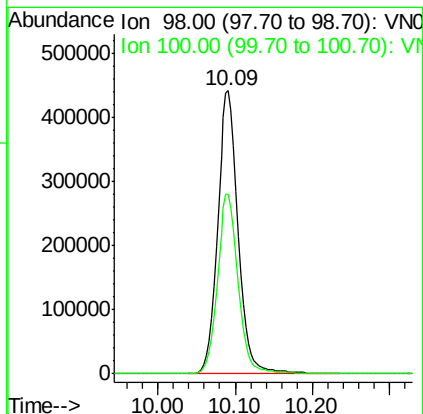
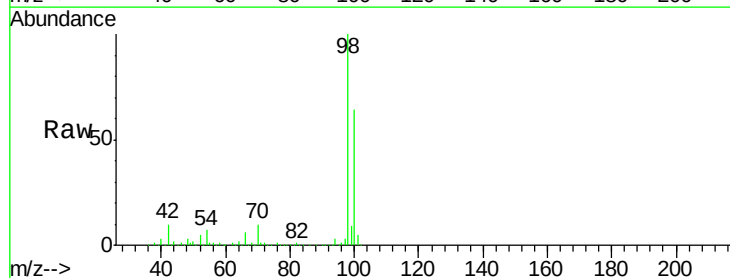
Acq: 20 Jun 2019 12:18

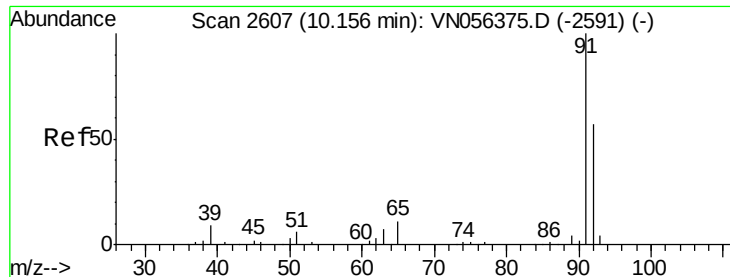
Tgt Ion: 98 Resp: 821936

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.2





#52

Toluene

Concen: 22.551 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

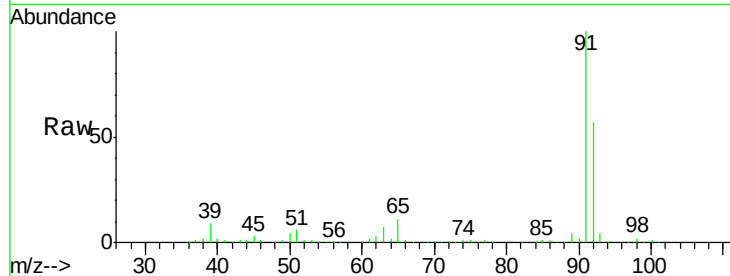
WH-COMP-2

Tot Ion: 92 Resp: 241396

Ion Ratio Lower Upper

92 100

91 176.0 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

150000

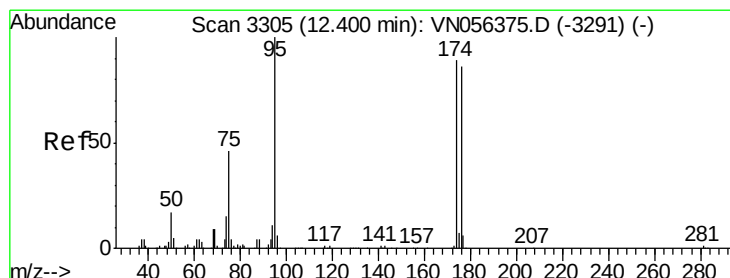
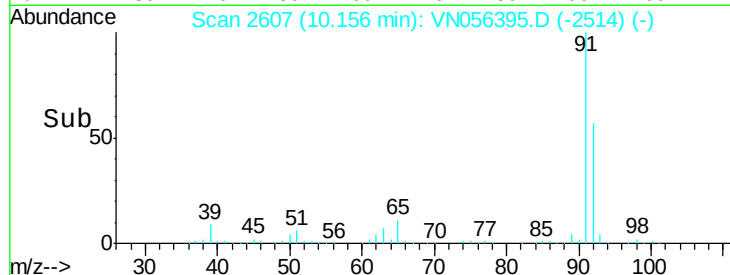
100000

50000

0

10.10 10.20 10.30

Time-->



#62

4-Bromofluorobenzene

Concen: 60.232 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

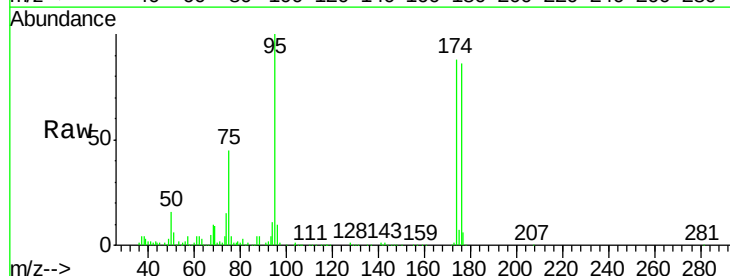
Tgt Ion: 95 Resp: 315193

Ion Ratio Lower Upper

95 100

174 87.4 0.0 179.4

176 85.1 0.0 173.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

150000

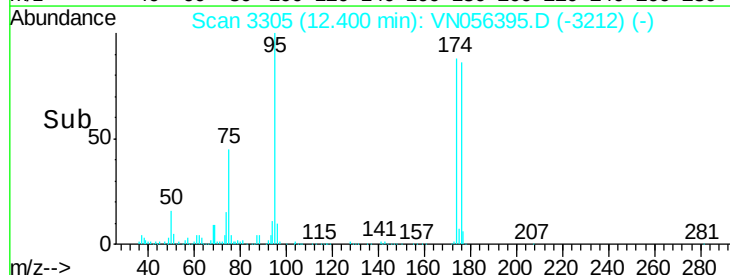
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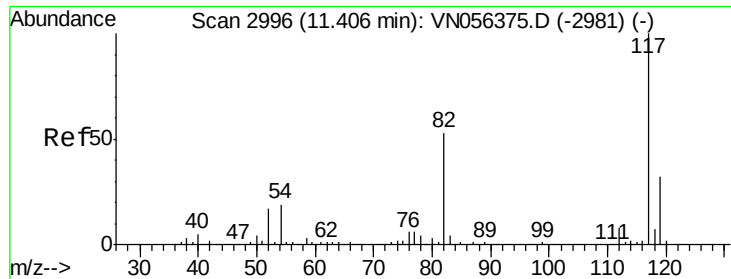
50000

0

12.30 12.40 12.50

Time-->

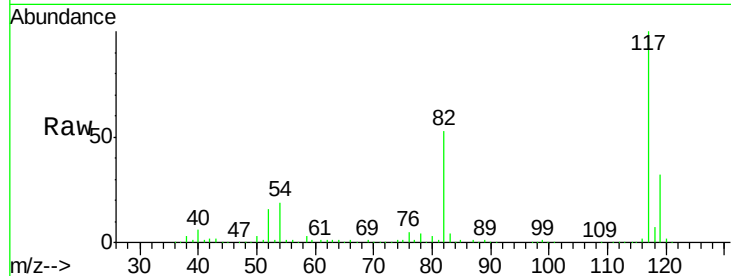




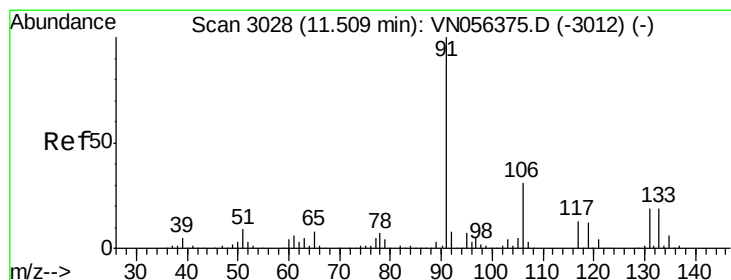
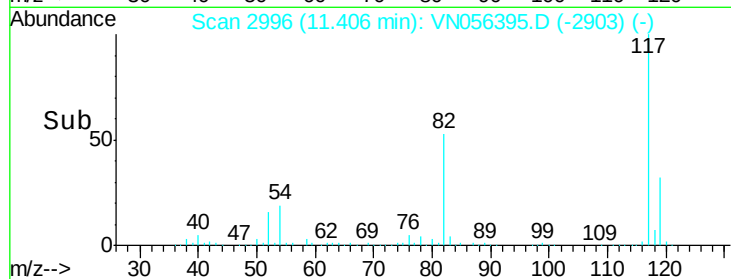
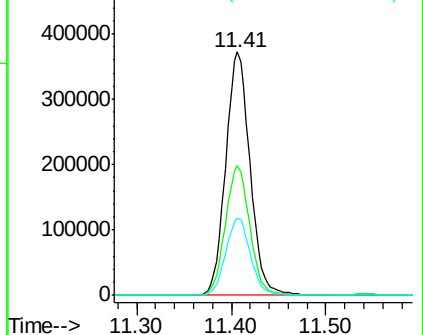
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

Instrument :
MSVOA_N
ClientSampled :
WH-COMP-2

Tot Ion:117 Resp: 664617
Ion Ratio Lower Upper
117 100
82 53.1 42.0 63.0
119 31.6 25.3 37.9

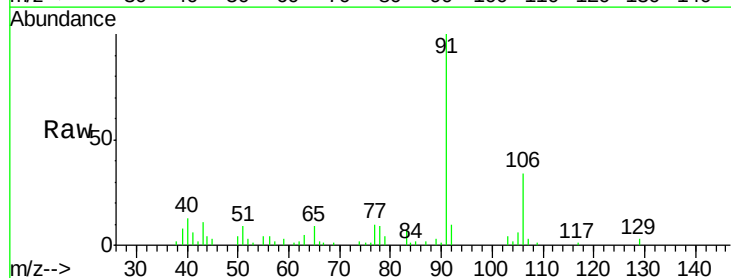


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

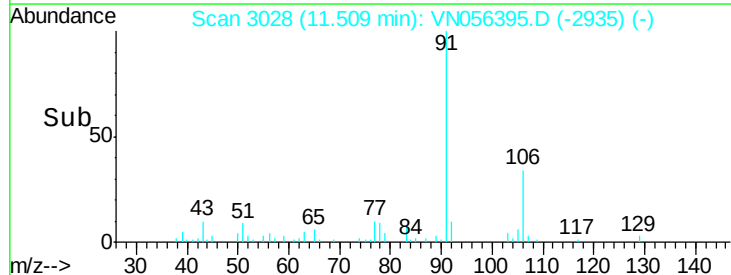
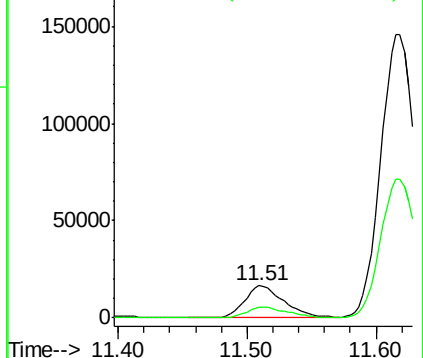


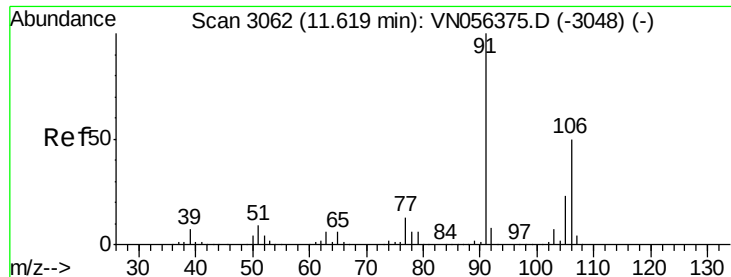
#67
Ethyl Benzene
Concen: 1.521 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

Tgt Ion: 91 Resp: 35657
Ion Ratio Lower Upper
91 100
106 34.3 25.1 37.7



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

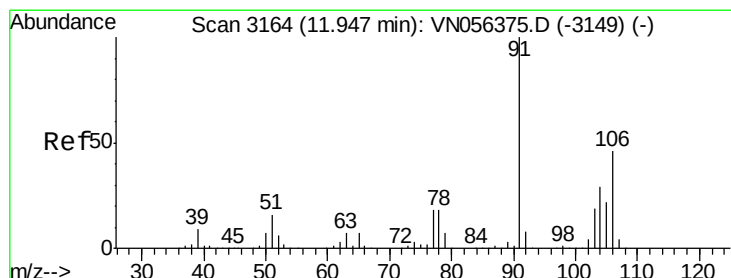
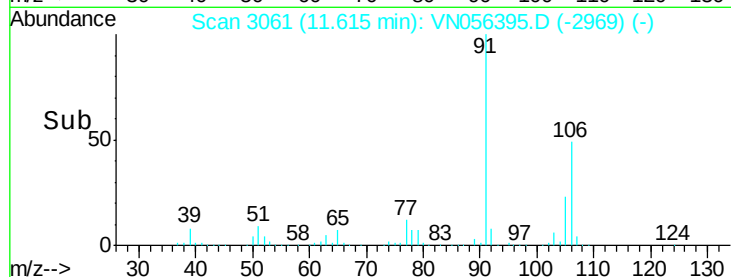
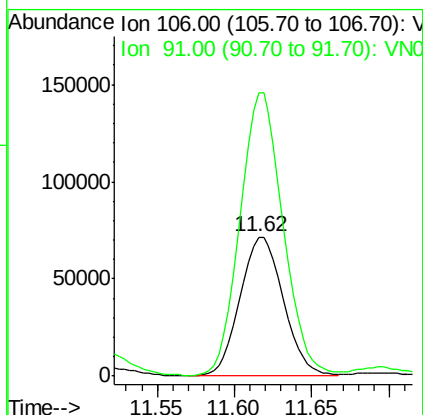
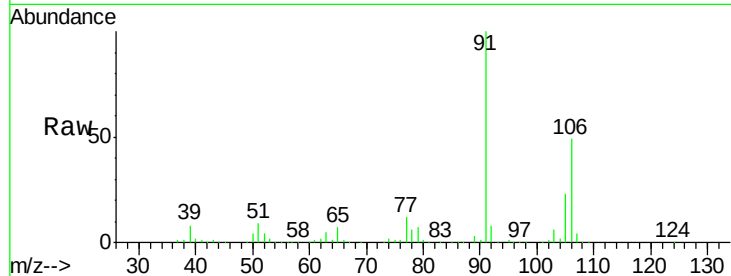




#68
m/p-Xylenes
Concen: 16.336 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

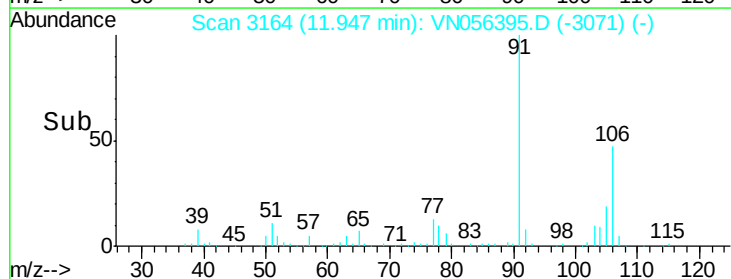
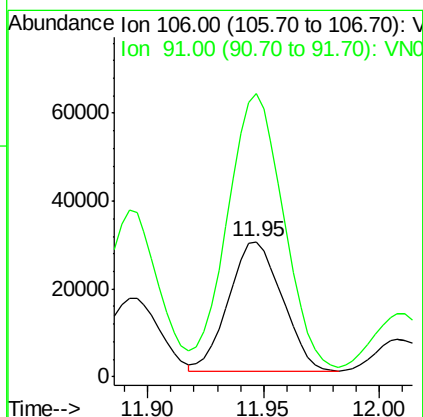
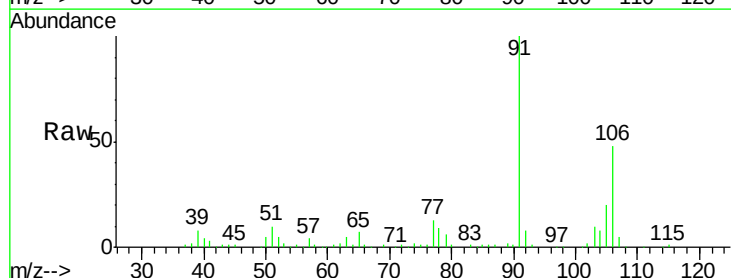
Instrument :
MSVOA_N
ClientSampled :
WH-COMP-2

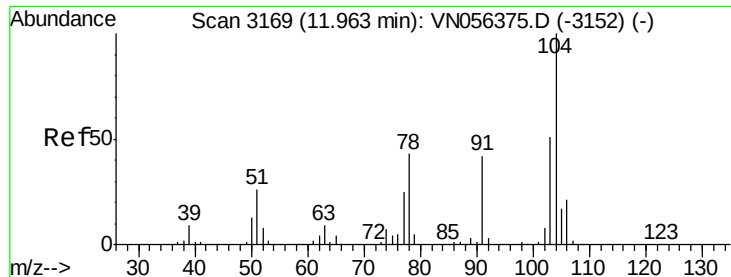
Tot Ion:106 Resp: 140386
Ion Ratio Lower Upper
106 100
91 200.9 160.1 240.1



#69
o-Xylene
Concen: 5.529 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

Tgt Ion:106 Resp: 47008
Ion Ratio Lower Upper
106 100
91 234.6 107.1 321.3

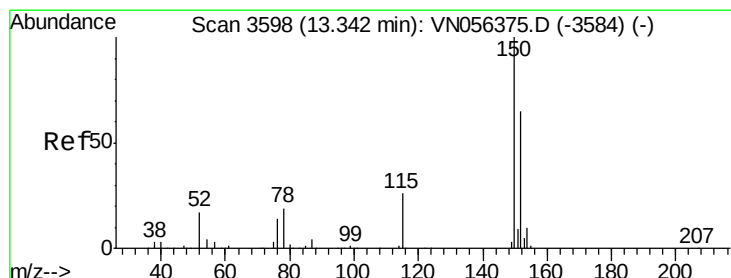
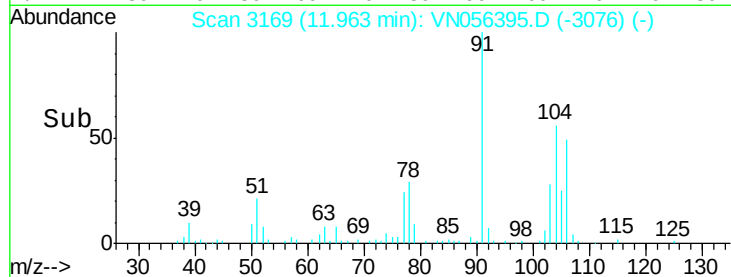
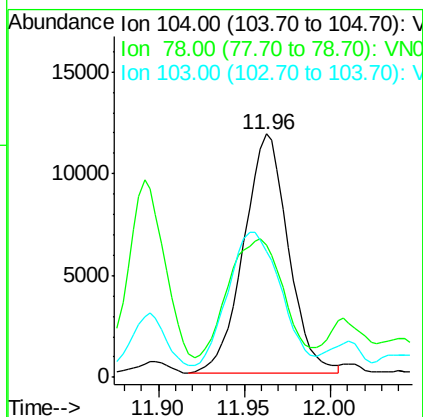
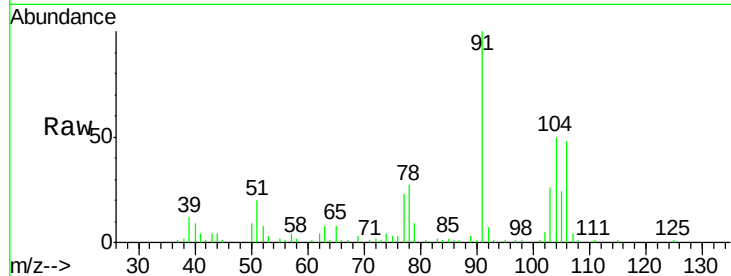




#70
Stvrene
Concen: 1.551 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

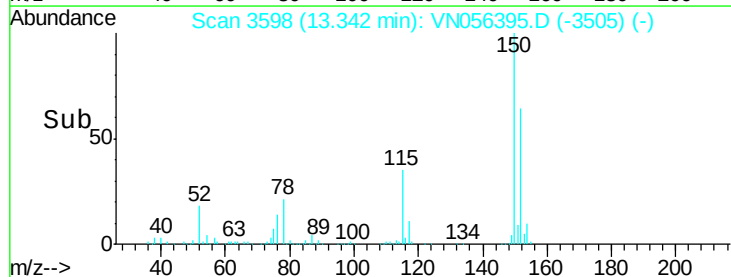
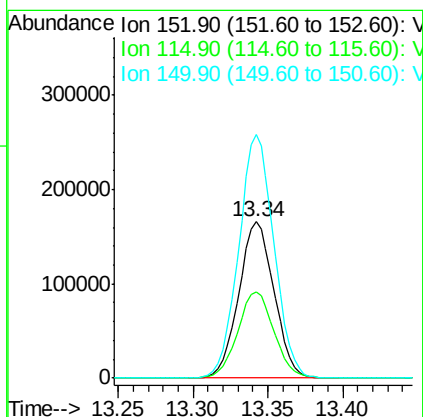
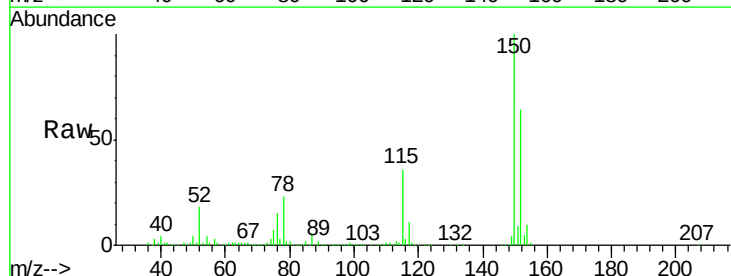
Instrument :
MSVOA_N
ClientSampled :
WH-COMP-2

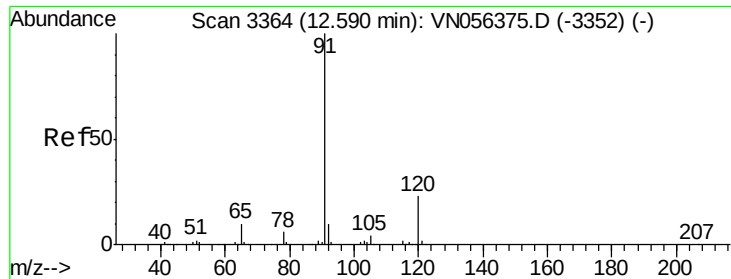
Tot Ion:104 Resp: 21081
Ion Ratio Lower Upper
104 100
78 63.1 38.6 57.8#
103 77.7 43.9 65.9#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056395.D
Acq: 20 Jun 2019 12:18

Tgt Ion:152 Resp: 272709
Ion Ratio Lower Upper
152 100
115 57.4 28.1 84.4
150 155.0 0.0 348.4





#78

n-propylbenzene

Concen: 6.443 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

Instrument :

MSVOA_N

ClientSampled :

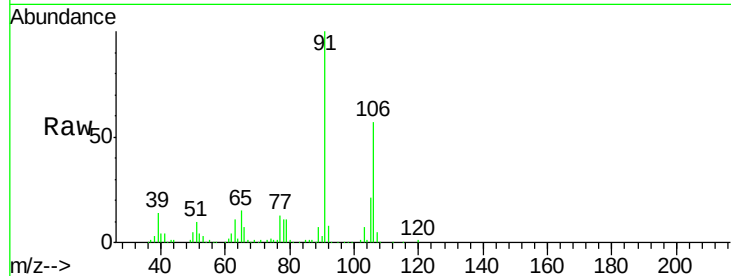
WH-COMP-2

Tot Ion: 91 Resp: 160907

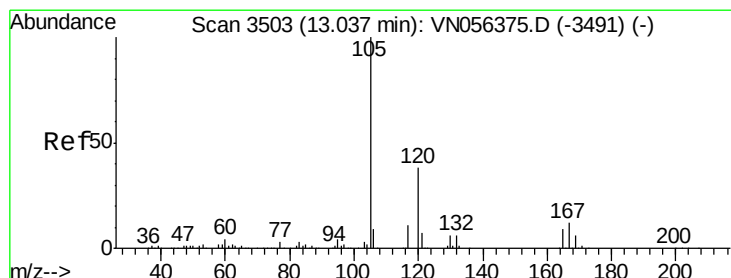
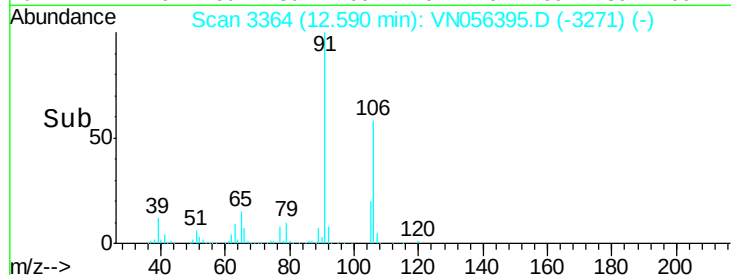
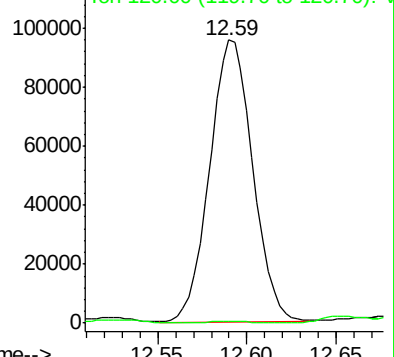
Ion Ratio Lower Upper

91 100

120 0.6 11.8 35.4#



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3352) (-)



#84

1,2,4-Trimethylbenzene

Concen: 5.948 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN056395.D

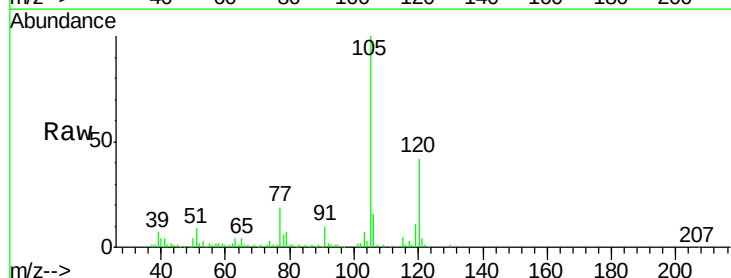
Acq: 20 Jun 2019 12:18

Tgt Ion: 105 Resp: 109198

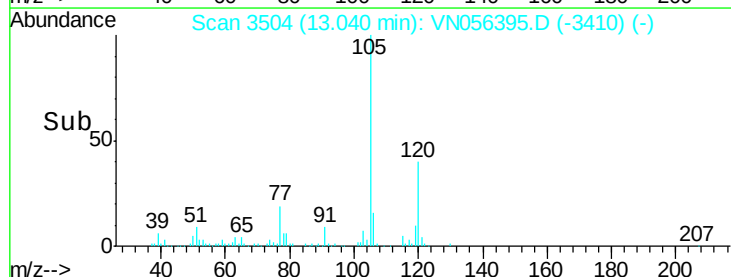
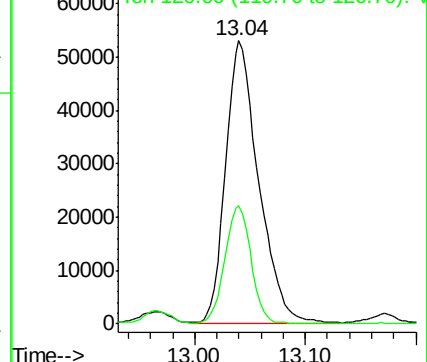
Ion Ratio Lower Upper

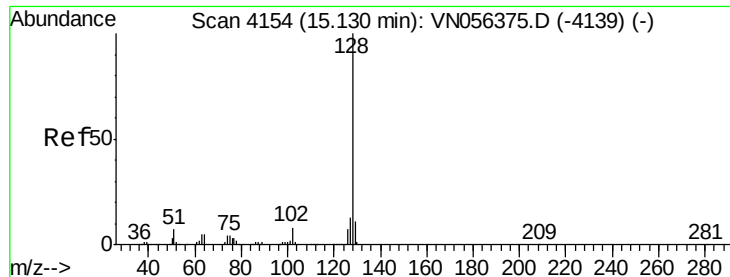
105 100

120 33.4 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3491) (-)





#95

Naphthalene

Concen: 11.975 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056395.D

Acq: 20 Jun 2019 12:18

Instrument :

MSVOA_N

ClientSampleId :

WH-COMP-2

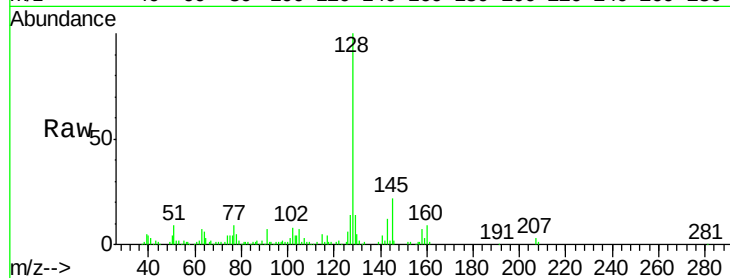
Tot Ion:128 Resp: 93821

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.2

129 16.4 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

