

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052201.D
 Acq On : 7 Nov 2018 11:50
 Operator : MD\SY
 Sample : J5818-02 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 EFF-WW

Quant Time: Nov 07 12:12:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	65698	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	370720	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	311919	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	140200	28.75	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.83%
60) 4-Bromofluorobenzene	12.40	95	129667	25.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.63%
63) Toluene-d8	10.09	98	444269	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

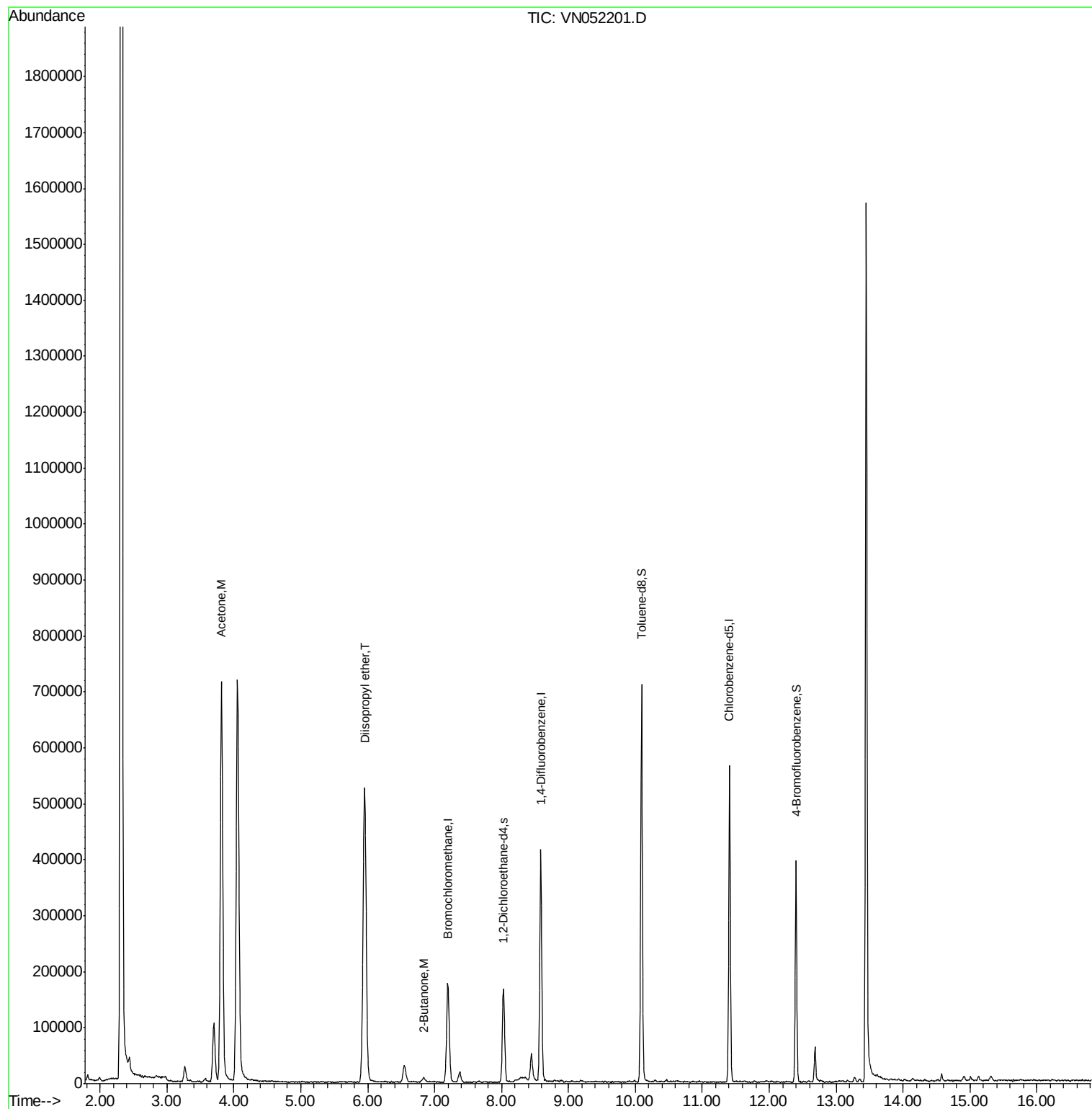
					Ovalue
15) Acetone	3.82	58	367198	1145.649	ug/l 89
20) Diisopropyl ether	5.95	45	691803	51.609	ug/l 90
30) 2-Butanone	6.84	43	11038	7.042	ug/l # 83

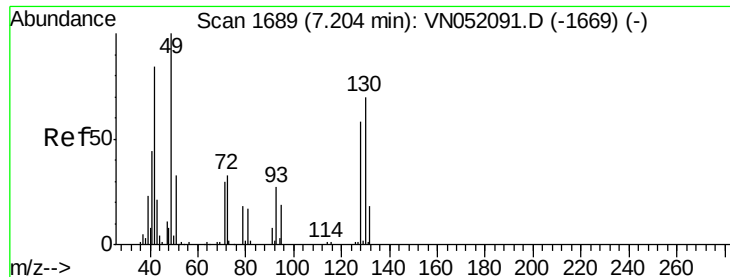
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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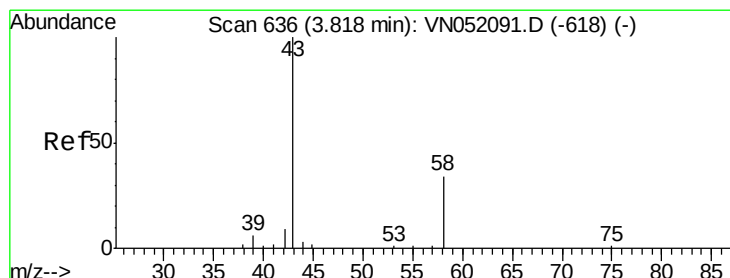
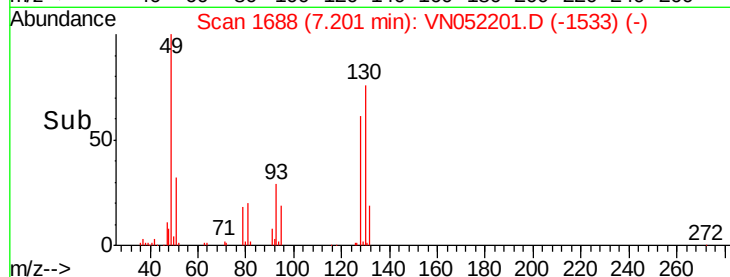
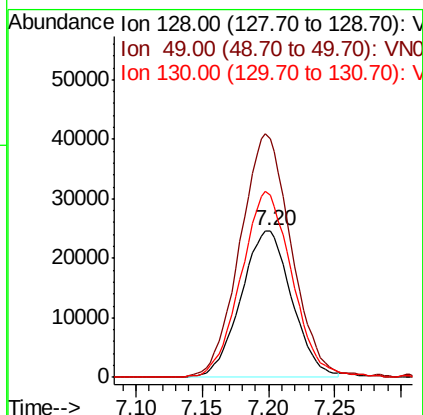
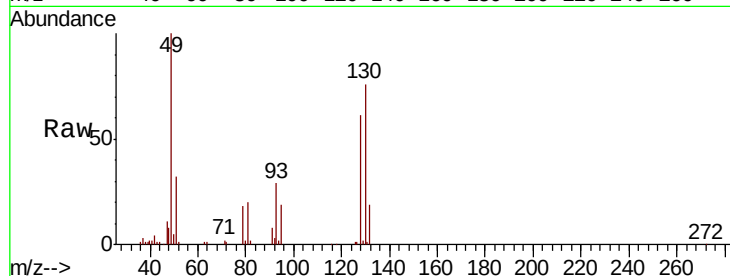




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN052201.D
Acq: 7 Nov 2018 11:50

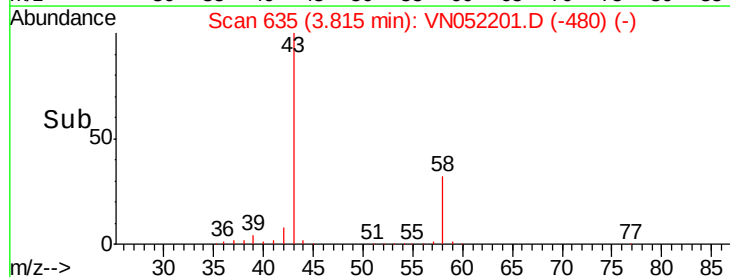
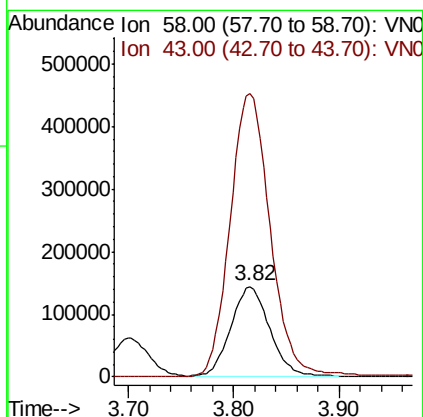
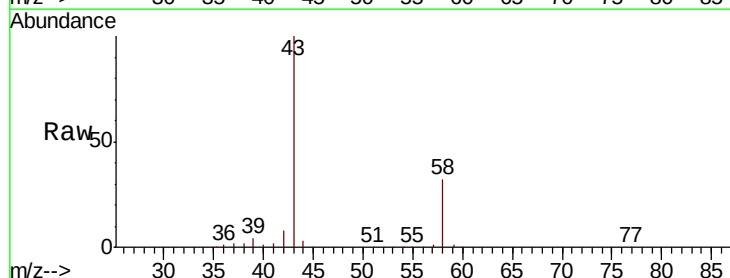
Instrument :
MSVOA_N
ClientSampled :
EFF-WW

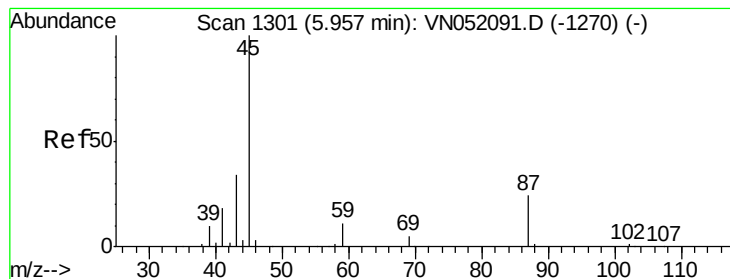
Tot Ion:128 Resp: 65698
Ion Ratio Lower Upper
128 100
49 168.1 0.0 453.7
130 127.3 0.0 308.8



#15
Acetone
Concen: 1145.649 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052201.D
Acq: 7 Nov 2018 11:50

Tgt Ion: 58 Resp: 367198
Ion Ratio Lower Upper
58 100
43 315.1 234.7 352.1





#20

Diisopropyl ether

Concen: 51.609 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052201.D

Acq: 7 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

Tot Ion: 45 Resp: 691803

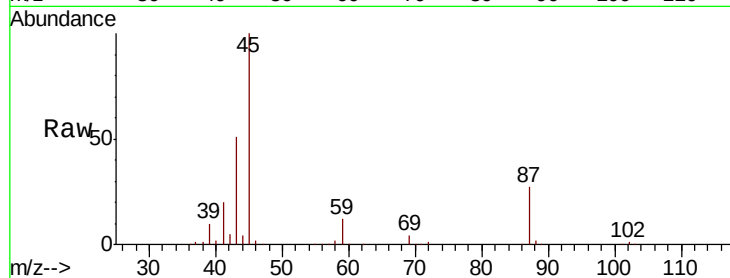
Ion Ratio Lower Upper

45 100

43 51.2 49.4 74.0

87 26.9 20.3 30.5

59 11.6 8.6 12.8

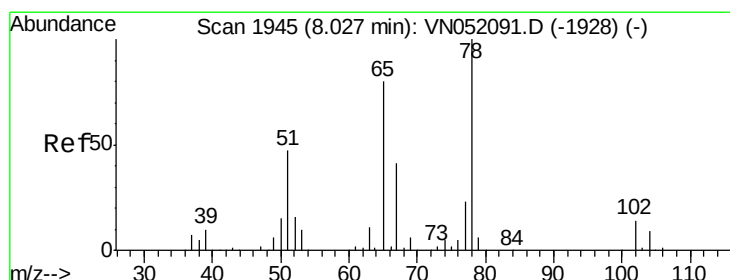
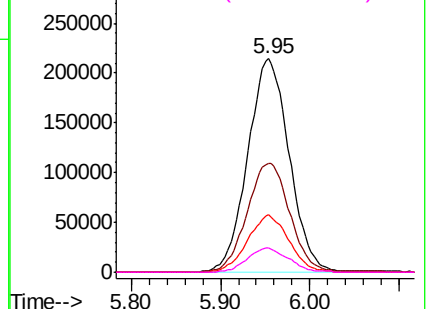
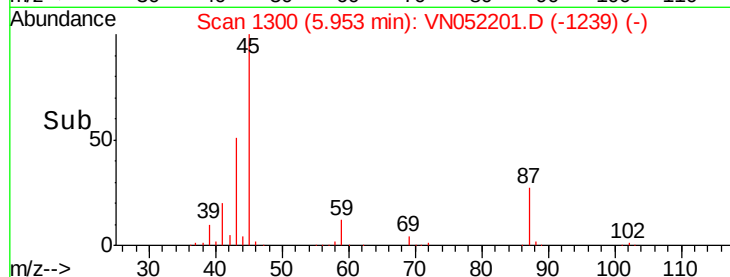


Abundance Ion 45.00 (44.70 to 45.70): VN052201.D (-1239) (-)

Ion 43.00 (42.70 to 43.70): VN052201.D (-1239) (-)

Ion 87.00 (86.70 to 87.70): VN052201.D (-1239) (-)

Ion 59.00 (58.70 to 59.70): VN052201.D (-1239) (-)



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052201.D

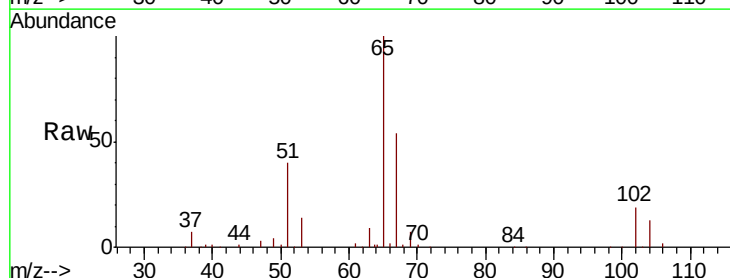
Acq: 7 Nov 2018 11:50

Tgt Ion: 65 Resp: 140200

Ion Ratio Lower Upper

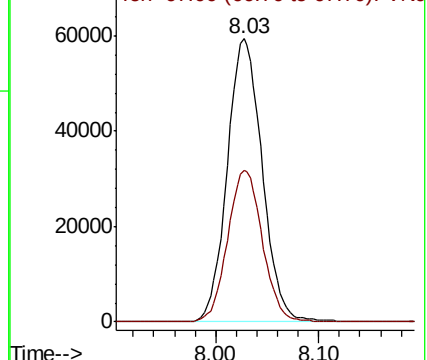
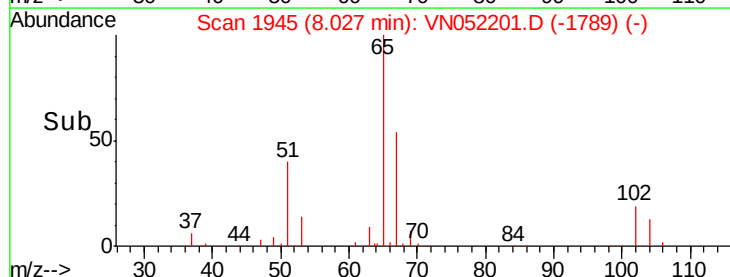
65 100

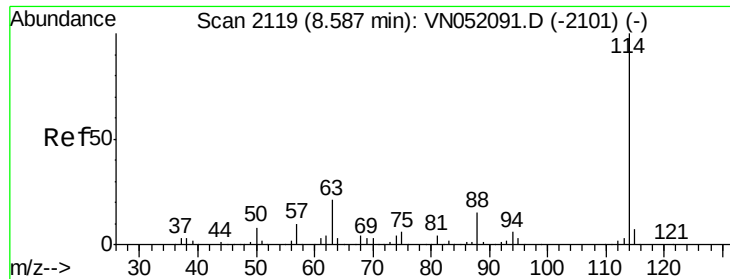
67 53.1 42.6 64.0



Abundance Ion 65.00 (64.70 to 65.70): VN052201.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN052201.D (-1789) (-)

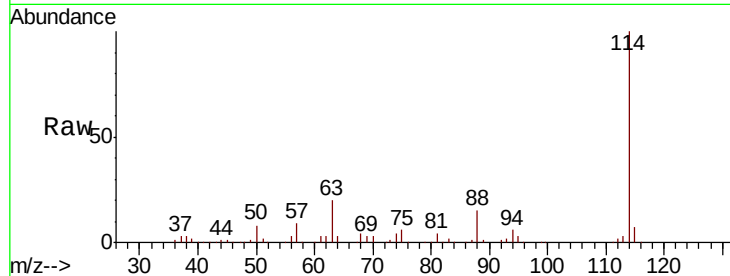




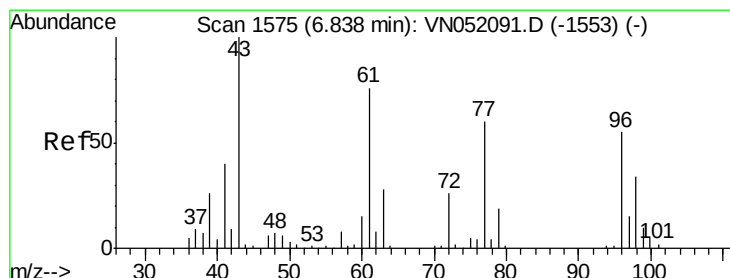
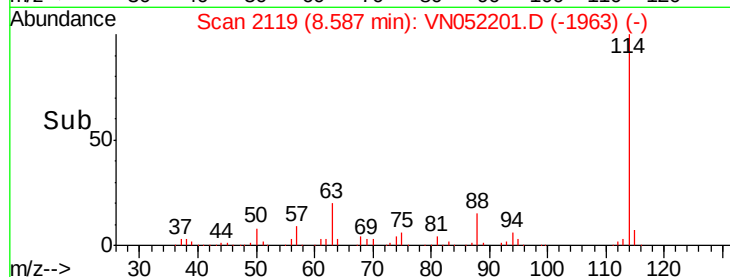
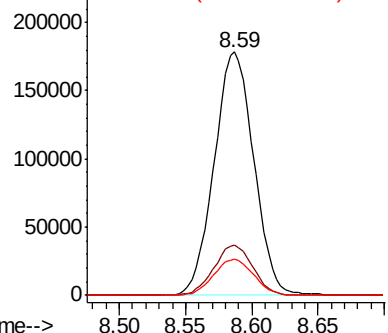
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052201.D
 Acq: 7 Nov 2018 11:50

Instrument :
 MSVOA_N
 ClientSampleID :
 EFF-WW

Tot Ion:114 Resp: 370720
 Ion Ratio Lower Upper
 114 100
 63 20.4 17.5 26.3
 88 15.0 12.6 18.8

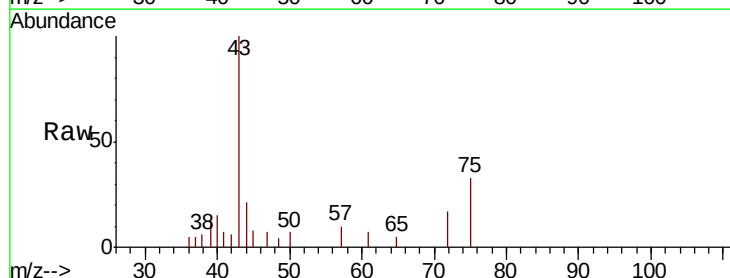


Abundance Ion 114.00 (113.70 to 114.70): VN052091.D (-2101) (-)
 Ion 63.00 (62.70 to 63.70): VN052091.D (-2101) (-)
 Ion 88.00 (87.70 to 88.70): VN052091.D (-2101) (-)

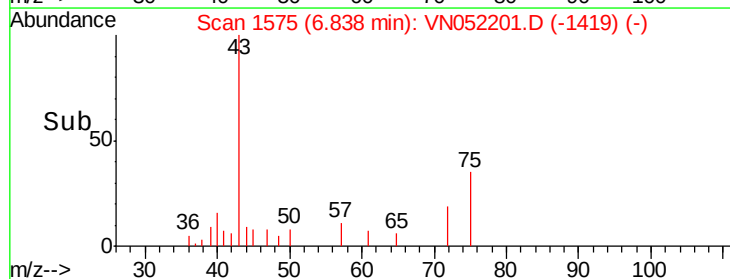
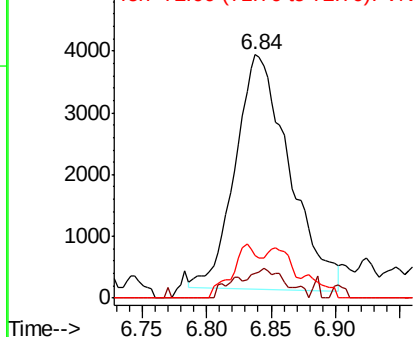


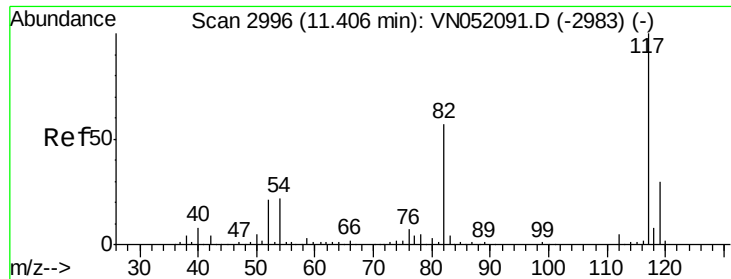
#30
 2-Butanone
 Concen: 7.042 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052201.D
 Acq: 7 Nov 2018 11:50

Tgt Ion: 43 Resp: 11038
 Ion Ratio Lower Upper
 43 100
 57 2.0 6.6 9.8#
 72 5.1 9.2 13.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1553) (-)
 Ion 57.00 (56.70 to 57.70): VN052091.D (-1553) (-)
 Ion 72.00 (71.70 to 72.70): VN052091.D (-1553) (-)

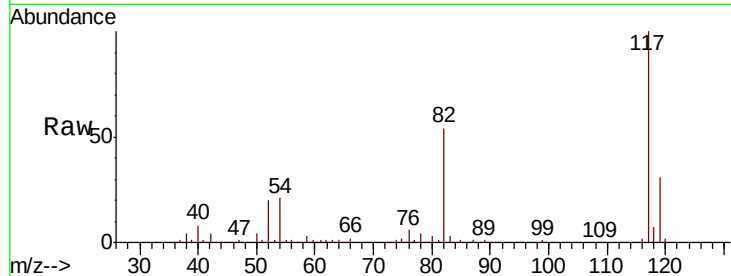




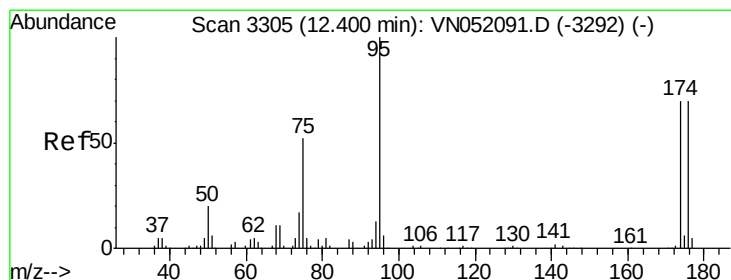
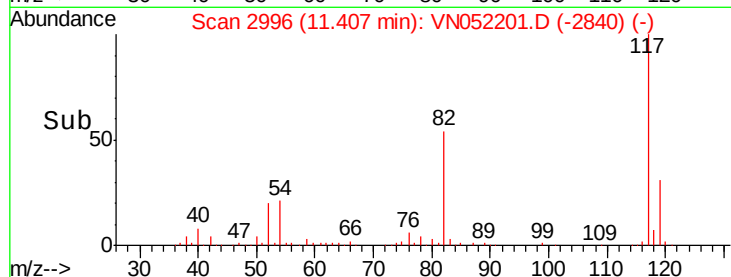
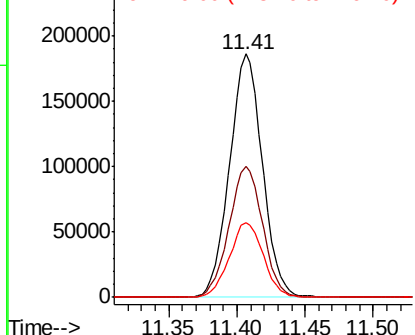
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052201.D
Acq: 7 Nov 2018 11:50

Instrument :
MSVOA_N
ClientSampled :
EFF-WW

Tot Ion:117 Resp: 311919
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.6
119 31.8 24.2 36.4

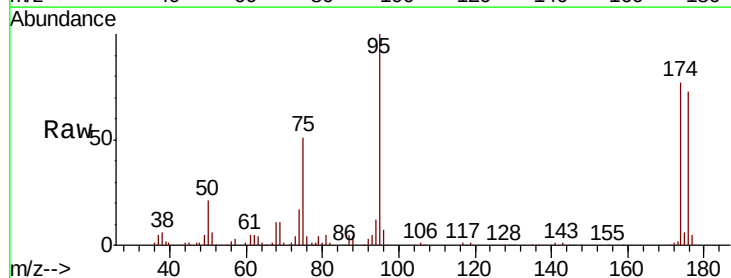


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

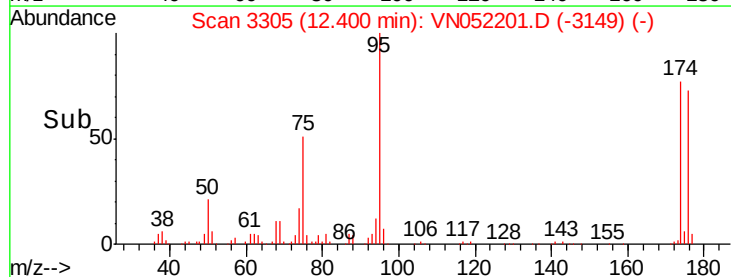
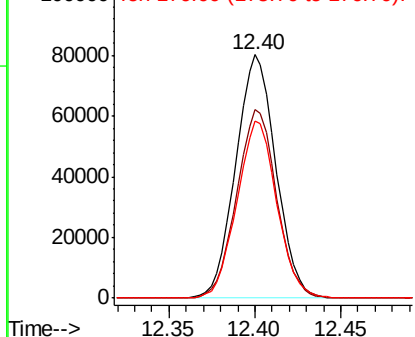


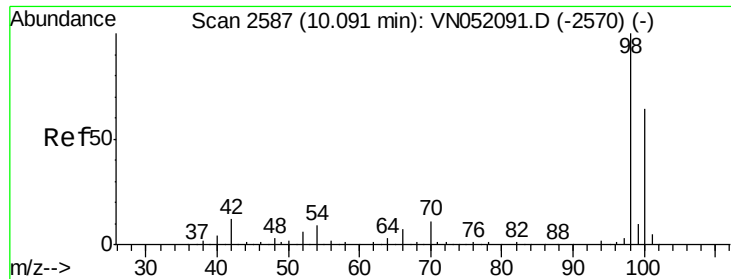
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052201.D
Acq: 7 Nov 2018 11:50

Tgt Ion: 95 Resp: 129667
Ion Ratio Lower Upper
95 100
174 76.9 55.0 82.6
176 72.5 54.2 81.4



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: Below ua/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052201.D

Acq: 7 Nov 2018 11:50

Instrument :

MSVOA_N

ClientSampleId :

EFF-WW

Tot Ion: 98 Resp: 444269

Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1

