

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051636.D
 Acq On : 1 Oct 2018 14:28
 Operator : MD\SY
 Sample : J5166-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Quant Time: Oct 02 01:40:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	95039	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	477022	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	430900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	206031	31.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.77%
60) 4-Bromofluorobenzene	12.40	95	159721	24.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.37%
63) Toluene-d8	10.09	98	558110	27.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.50%

Target Compounds

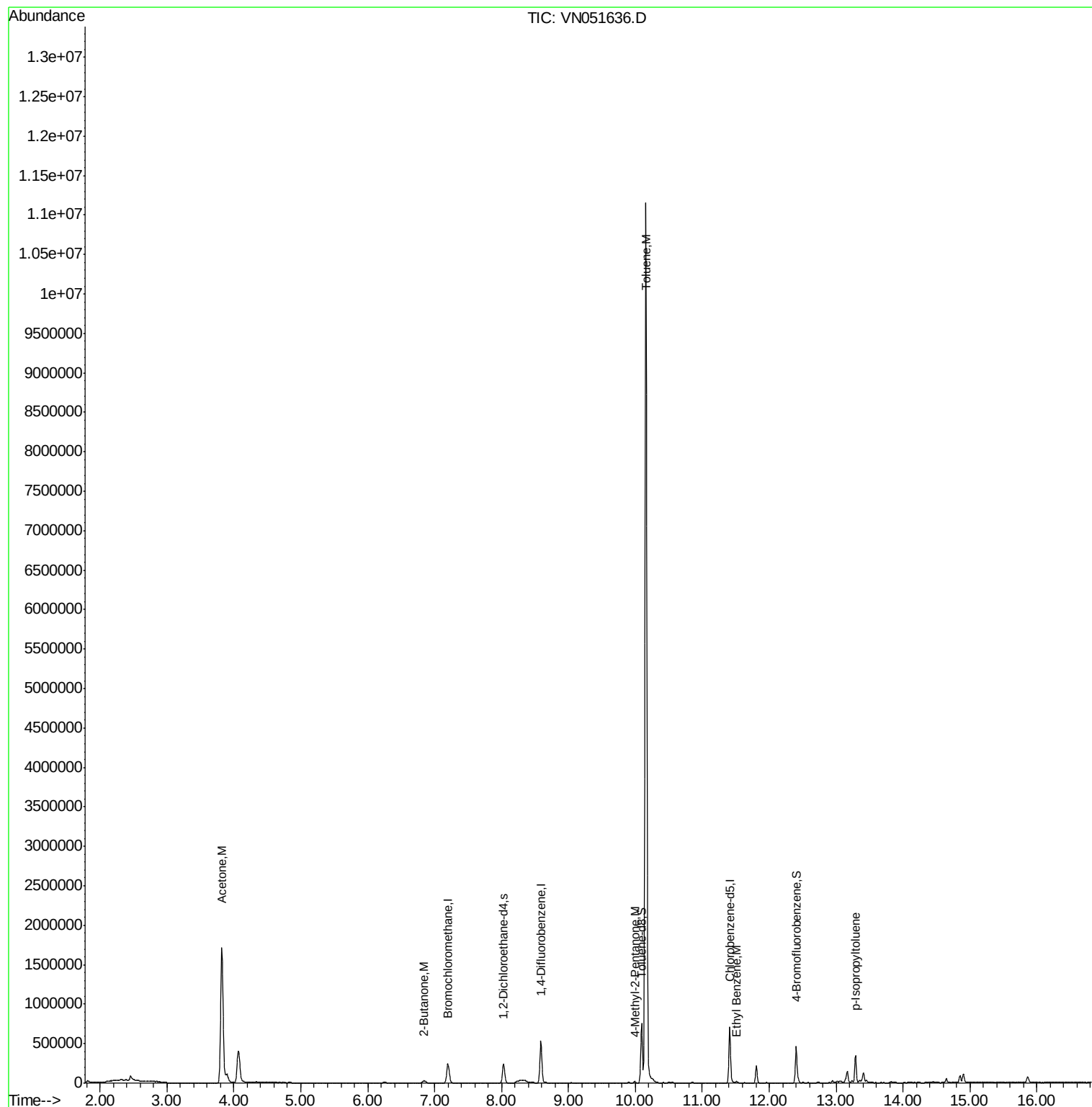
					Ovalue
15) Acetone	3.82	58	949874	1786.140	ug/l 98
30) 2-Butanone	6.84	43	39680	17.924	ug/l # 76
58) 4-Methyl-2-Pentanone	9.99	43	16162	3.304	ug/l # 93
62) Toluene	10.16	91	8844820	334.758	ug/l 100
66) Ethyl Benzene	11.51	91	11284	0.417	ug/l 92
82) p-Isopropyltoluene	13.29	119	181692	8.011	ug/l 97

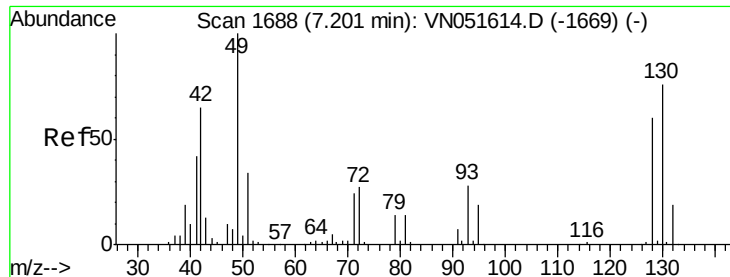
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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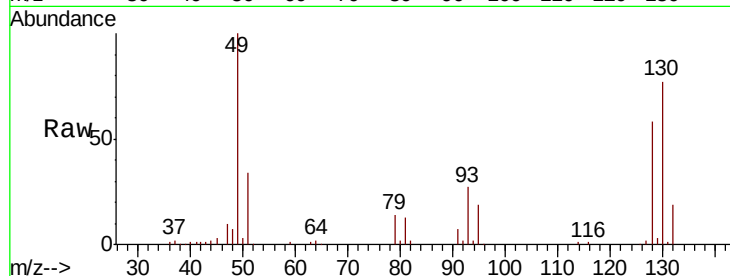




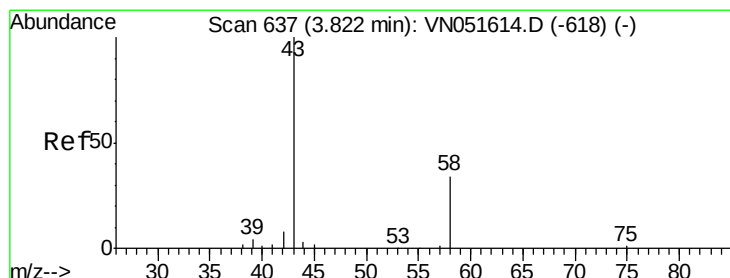
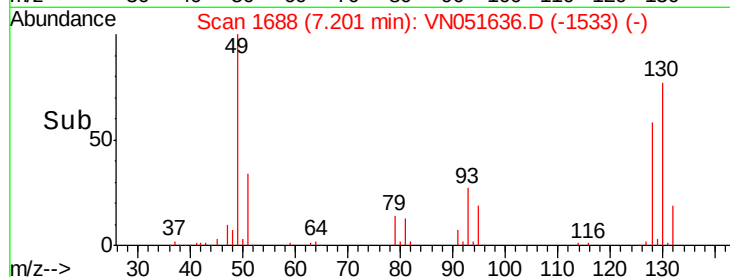
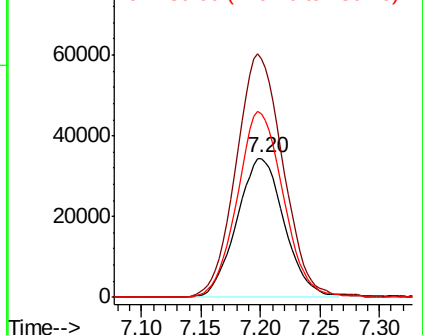
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Tot Ion:128 Resp: 95039
 Ion Ratio Lower Upper
 128 100
 49 172.9 0.0 426.8
 130 129.9 0.0 326.3

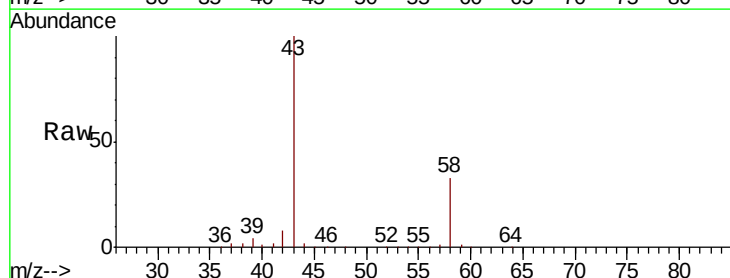


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

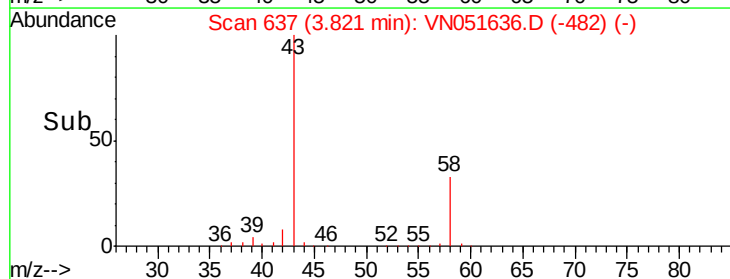
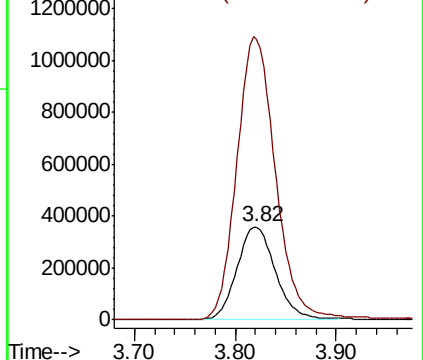


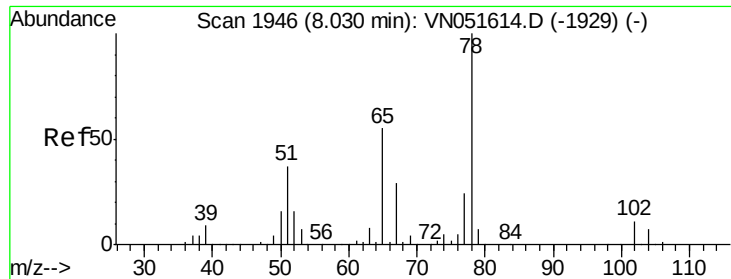
#15
 Acetone
 Concen: 1786.140 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Tgt Ion: 58 Resp: 949874
 Ion Ratio Lower Upper
 58 100
 43 301.7 238.0 357.0



Abundance Ion 58.00 (57.70 to 58.70): VN
 Ion 43.00 (42.70 to 43.70): VN

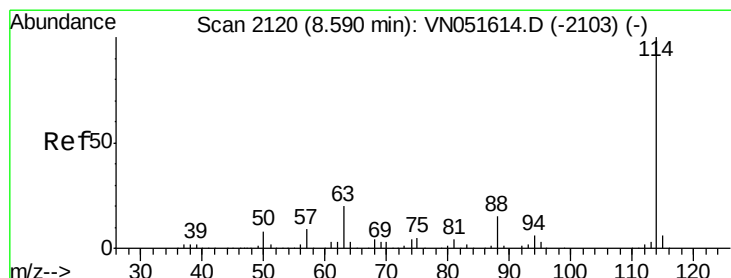
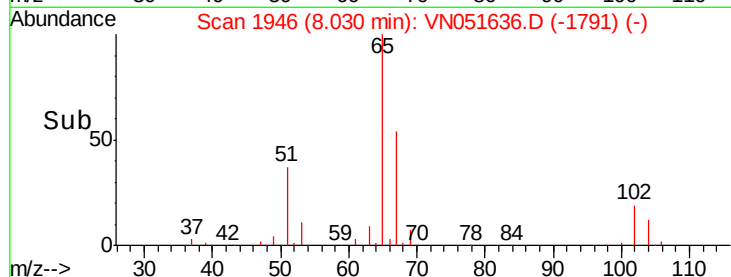
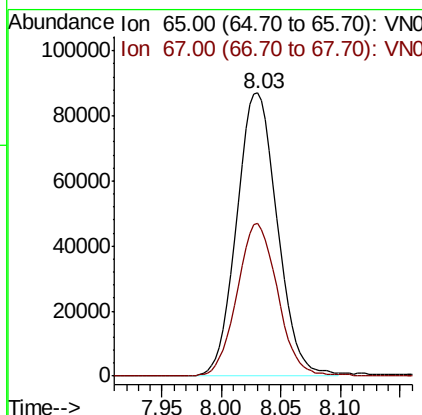
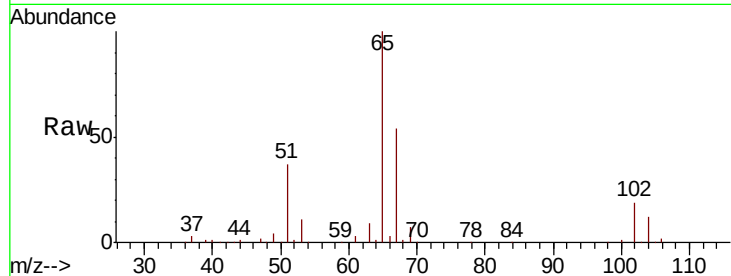




#27
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

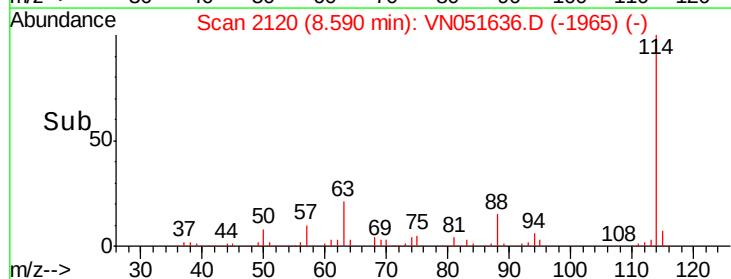
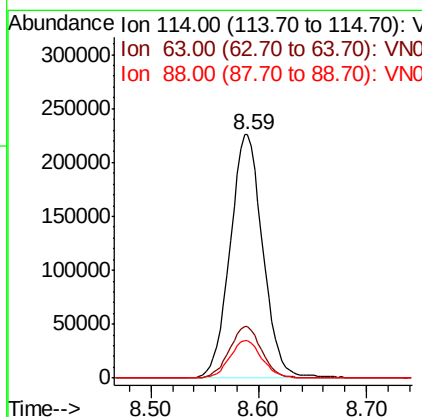
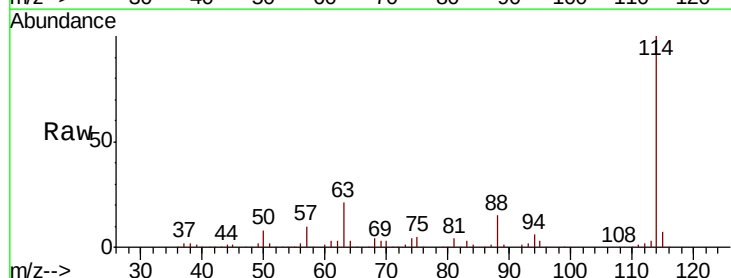
Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

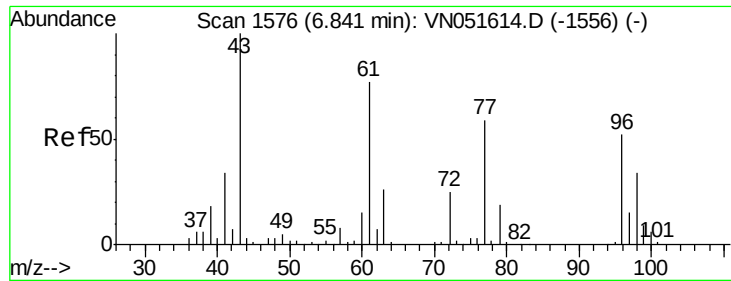
Tot Ion: 65 Resp: 206031
 Ion Ratio Lower Upper
 65 100
 67 53.7 43.1 64.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Tgt Ion: 114 Resp: 477022
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.4 24.6
 88 15.3 12.6 18.8

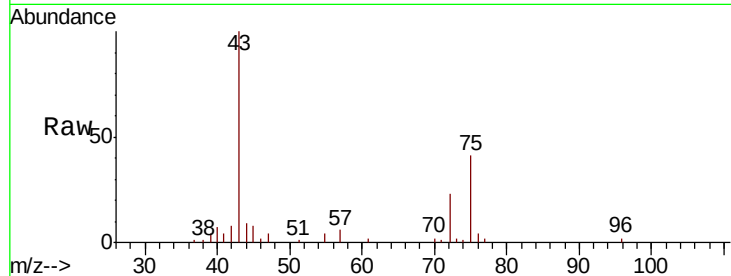




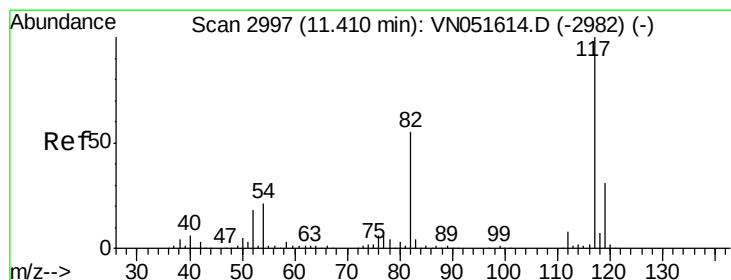
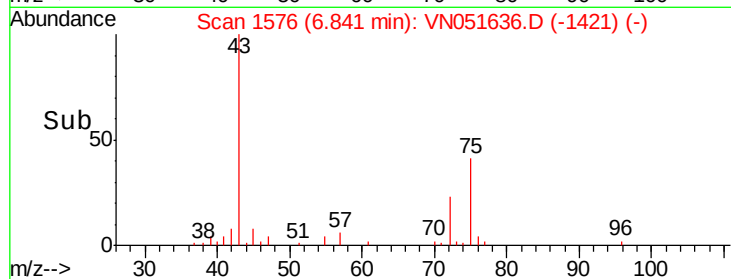
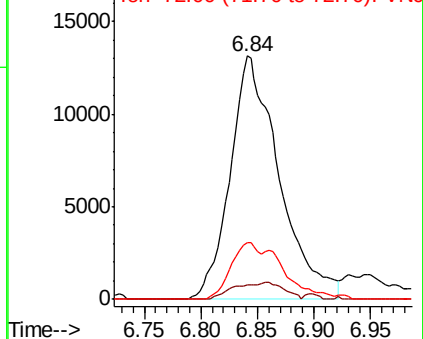
#30
2-Butanone
Concen: 17.924 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tot Ion: 43 Resp: 39680
Ion Ratio Lower Upper
43 100
57 0.0 6.6 10.0#
72 13.7 20.8 31.2#

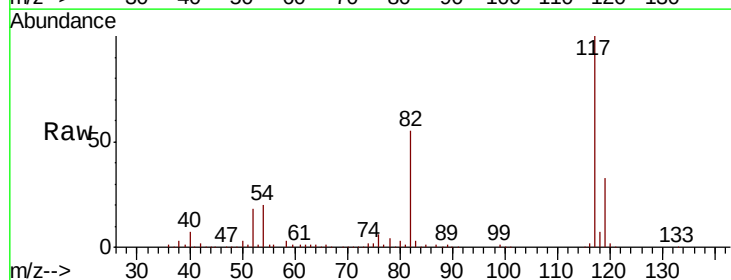


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

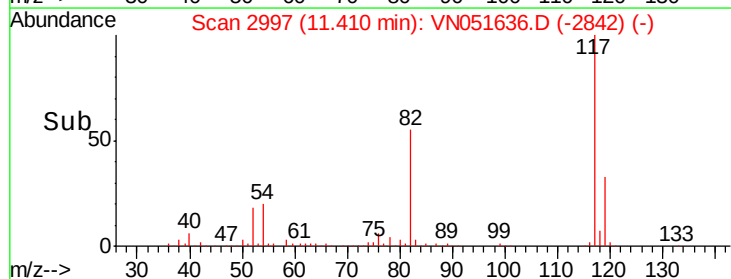
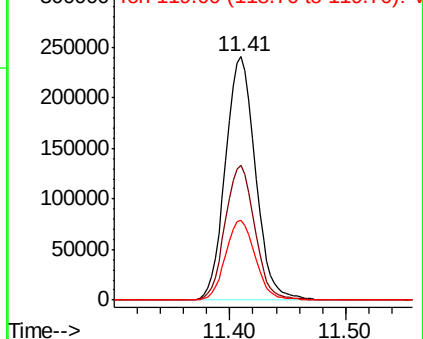


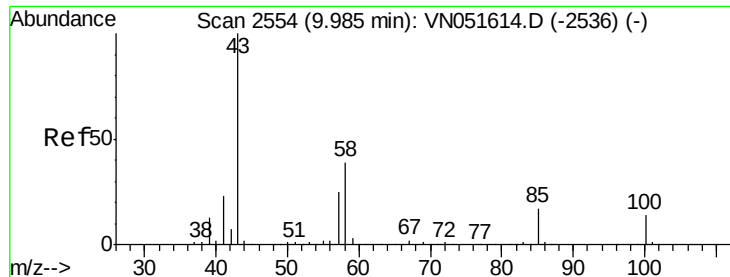
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Tgt Ion: 117 Resp: 430900
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.6 25.2 37.8



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 119.00 (118.70 to 119.70): V

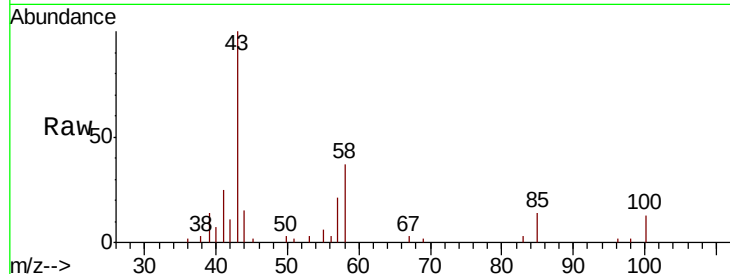




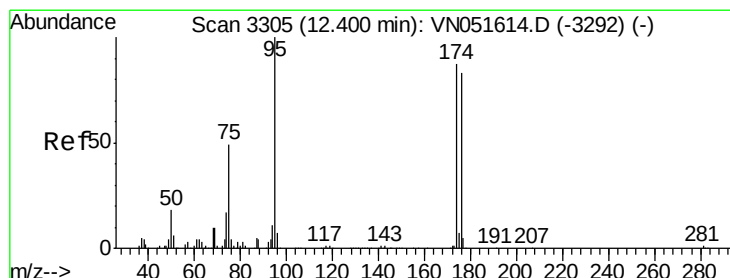
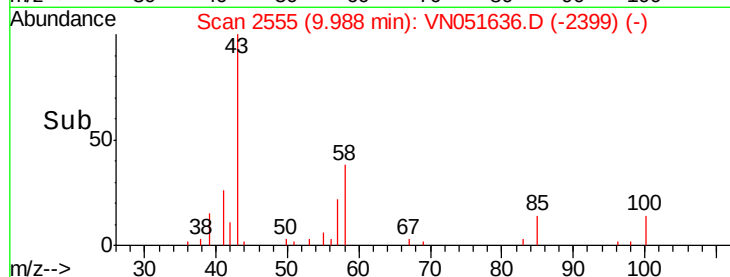
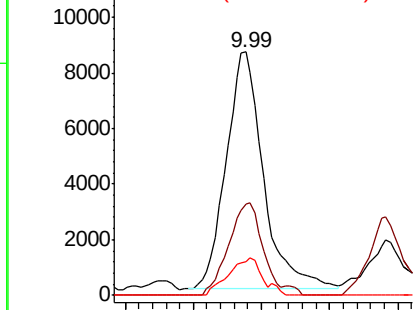
#58
 4-Methyl-2-Pentanone
 Concen: 3.304 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Tot Ion: 43 Resp: 16162
 Ion Ratio Lower Upper
 43 100
 58 35.0 31.0 46.4
 85 13.4 13.4 20.2#

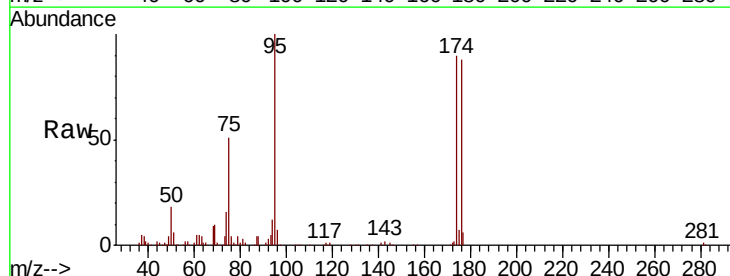


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

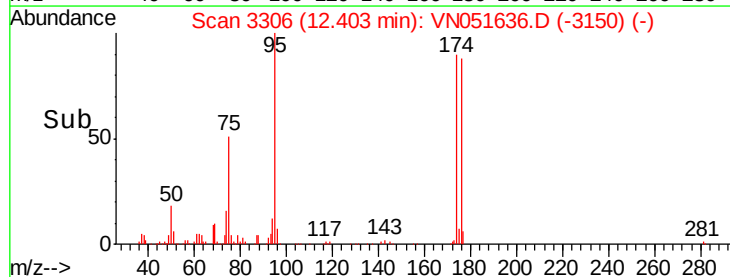
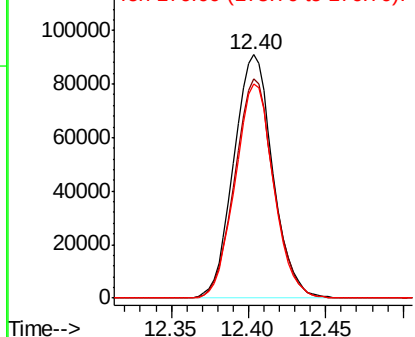


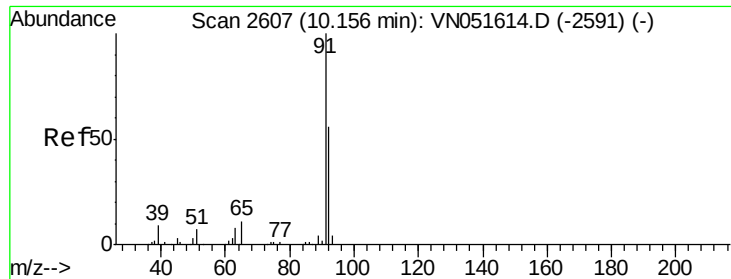
#60
 4-Bromofluorobenzene
 Concen: Below ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Tgt Ion: 95 Resp: 159721
 Ion Ratio Lower Upper
 95 100
 174 89.5 71.2 106.8
 176 86.6 67.8 101.8



Abundance Ion 95.00 (94.70 to 95.70): VN0
 Ion 174.00 (173.70 to 174.70): V
 Ion 176.00 (175.70 to 176.70): V





#62

Toluene

Concen: 334.758 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051636.D

Acq: 1 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

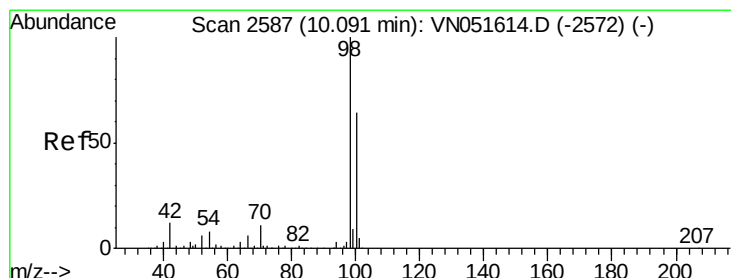
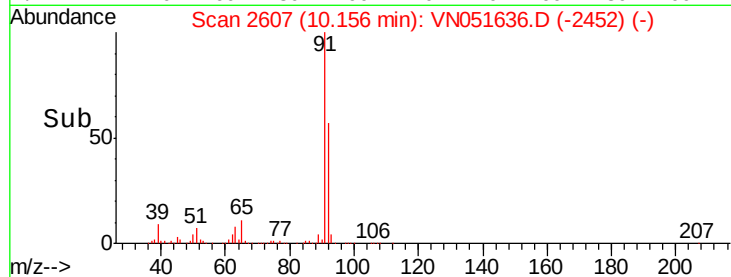
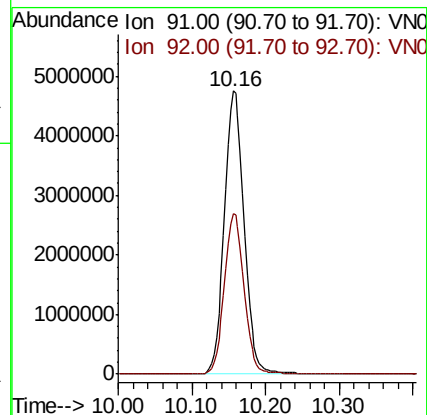
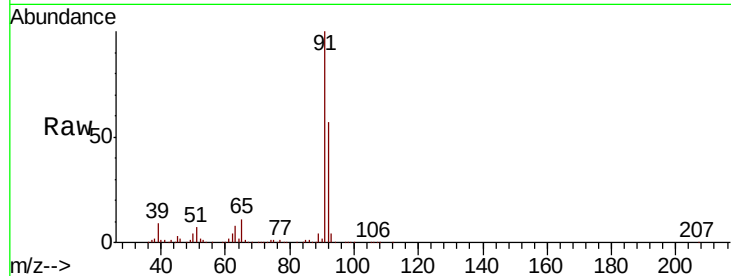
002M-35TH-AVE(AUG)

Tot Ion: 91 Resp: 8844820

Ion Ratio Lower Upper

91 100

92 56.9 45.3 67.9



#63

Toluene-d8

Concen: 334.758 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN051636.D

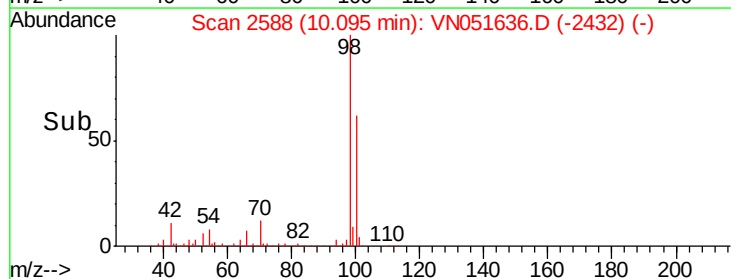
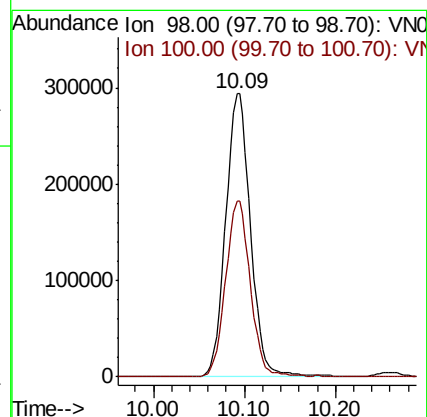
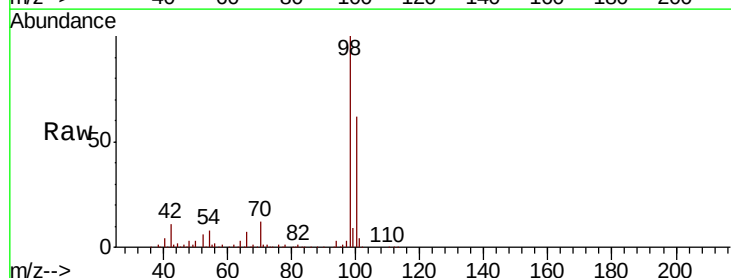
Acq: 1 Oct 2018 14:28

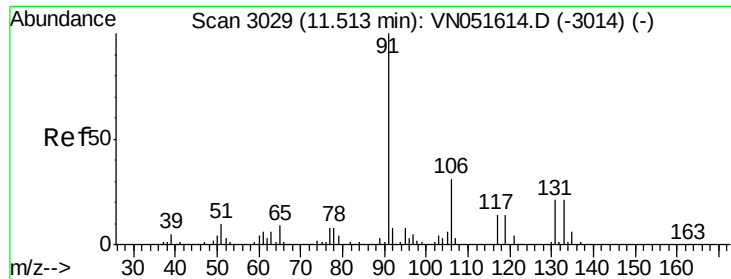
Tgt Ion: 98 Resp: 558110

Ion Ratio Lower Upper

98 100

100 61.8 51.4 77.0

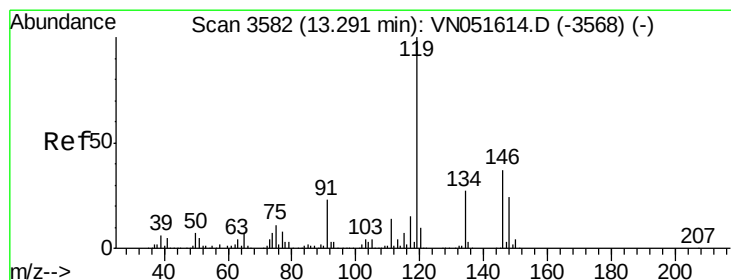
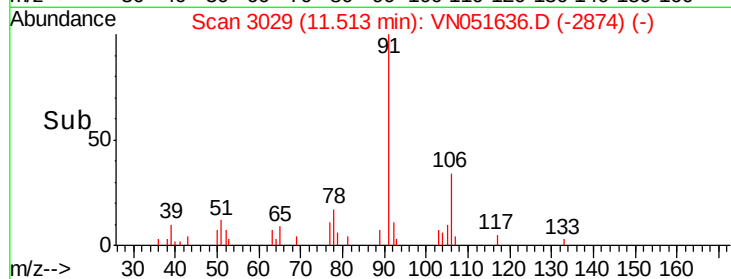
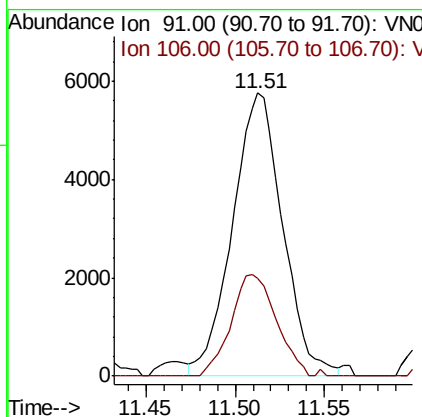
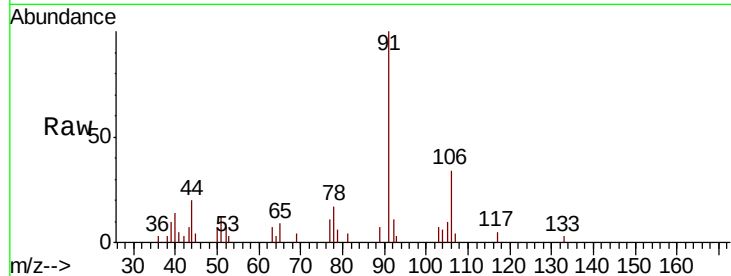




#66
Ethyl Benzene
Concen: 0.417 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Instrument :
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ClientSampleId :
002M-35TH-AVE(AUG)

Tot Ion: 91 Resp: 11284
Ion Ratio Lower Upper
91 100
106 35.5 25.0 37.4



#82
p-Isopropyltoluene
Concen: 8.011 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Tgt Ion: 119 Resp: 181692
Ion Ratio Lower Upper
119 100
134 27.2 0.0 52.0
91 24.7 0.0 46.0

