

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052357.D
 Acq On : 16 Nov 2018 11:54
 Operator : MD\SY
 Sample : J5971-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

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

Quant Time: Nov 16 23:22:16 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	41059	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	240576	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	206956	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	105802	34.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	115.73%
60) 4-Bromofluorobenzene	12.40	95	88491	26.73	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.10%
63) Toluene-d8	10.09	98	295631	30.38	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.27%

Target Compounds

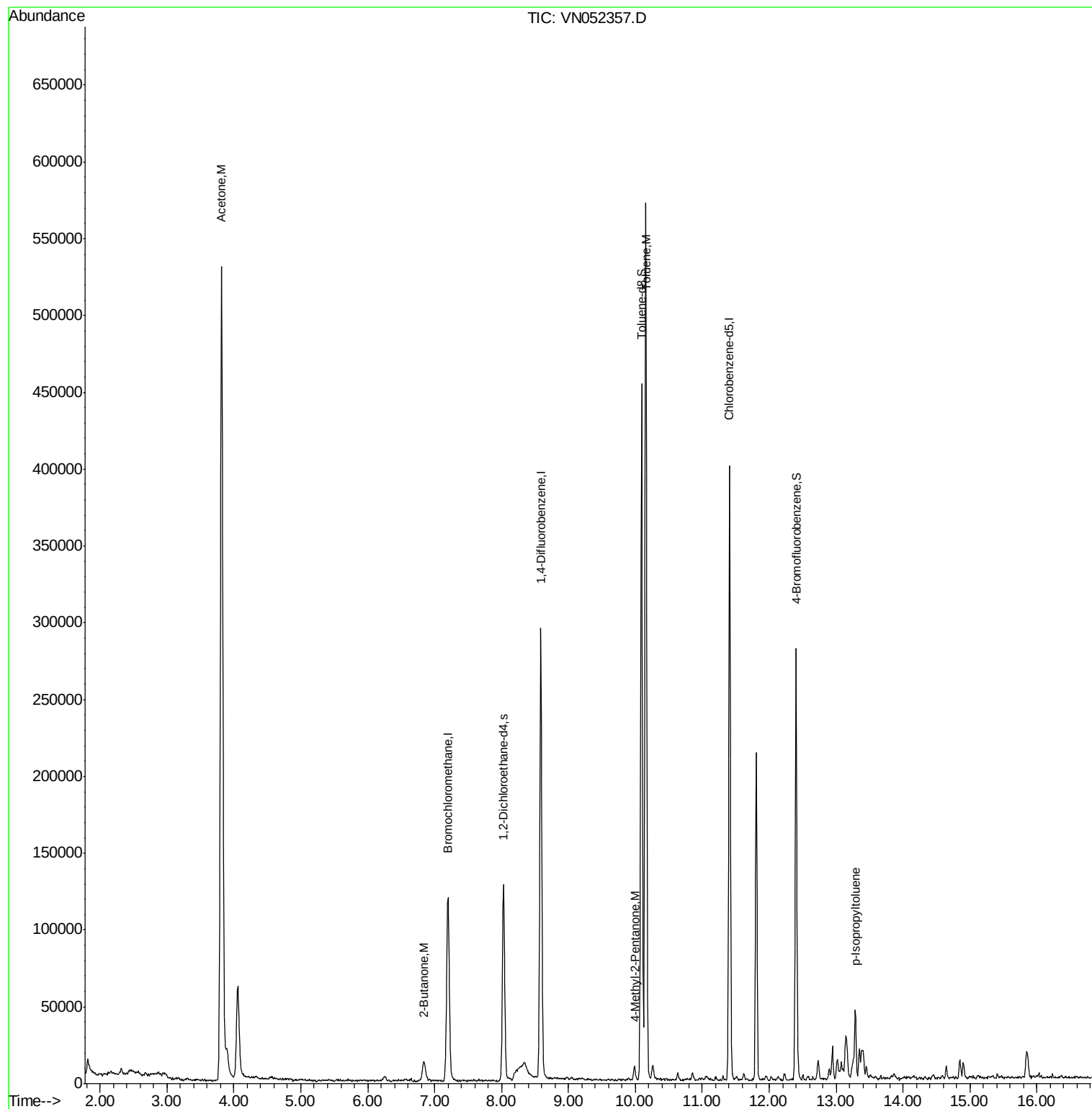
					Ovalue	
15) Acetone	3.82	58	249235	1244.240	ug/l #	63
30) 2-Butanone	6.84	43	20779	20.428	ug/l #	80
58) 4-Methyl-2-Pentanone	9.99	43	6900	3.111	ug/l	95
62) Toluene	10.16	91	407060	35.038	ug/l	100
82) p-Isopropyltoluene	13.29	119	18199	1.812	ug/l	96

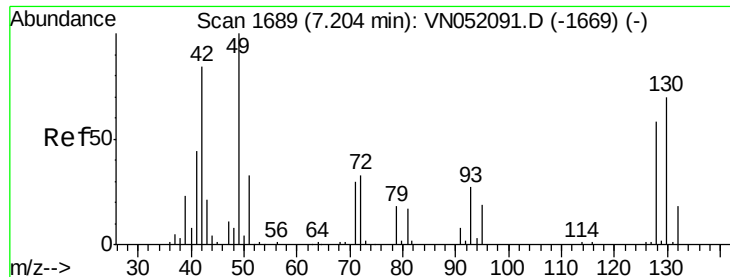
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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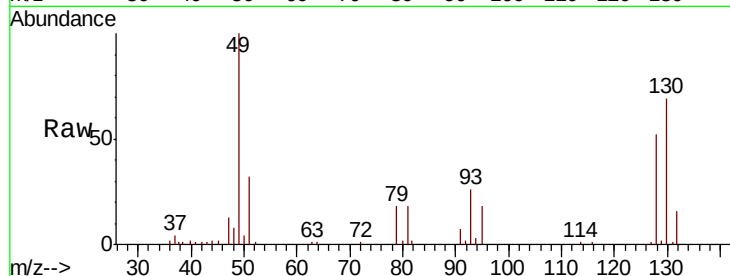




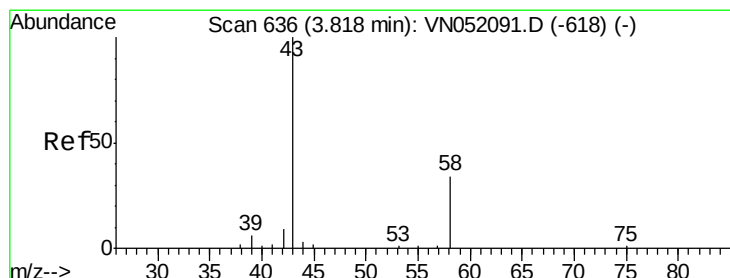
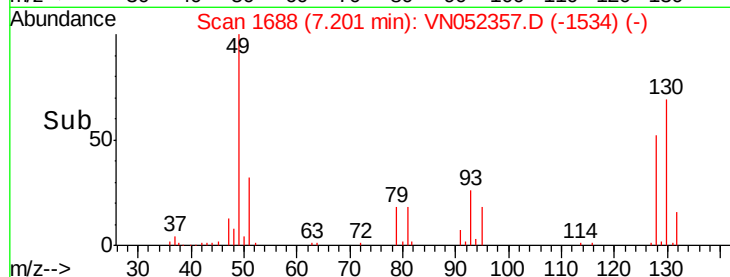
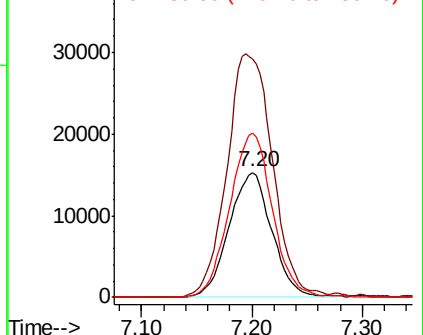
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN052357.D
Acq: 16 Nov 2018 11:54

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

Tot Ion:128 Resp: 41059
Ion Ratio Lower Upper
128 100
49 208.1 0.0 453.7
130 131.3 0.0 308.8

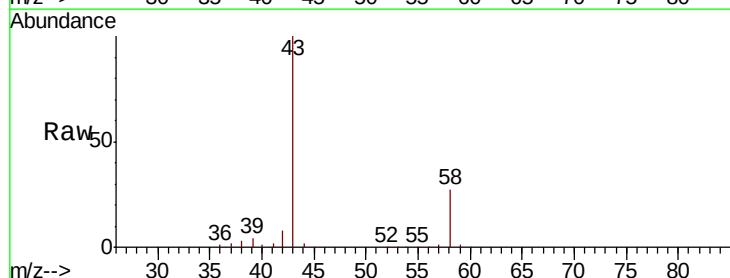


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

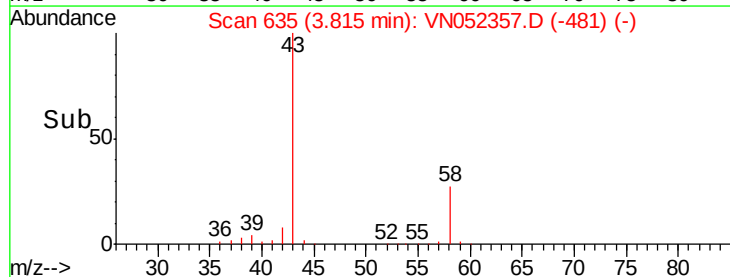
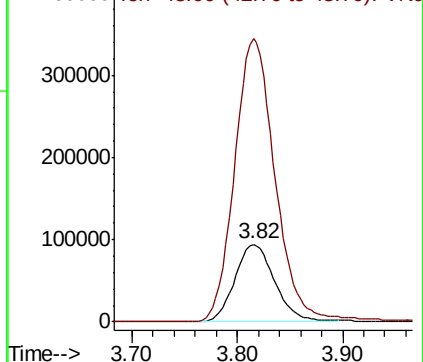


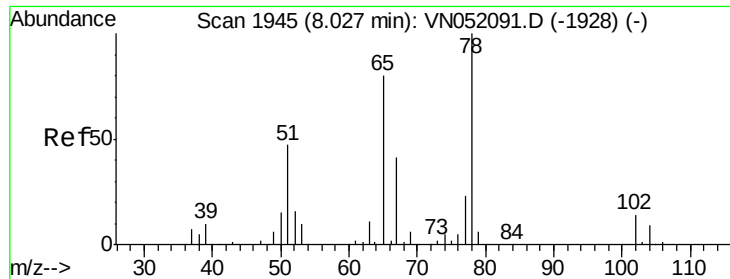
#15
Acetone
Concen: 1244.240 ug/l
RT: 3.82 min Scan# 635
Delta R.T. -0.00 min
Lab File: VN052357.D
Acq: 16 Nov 2018 11:54

Tgt Ion: 58 Resp: 249235
Ion Ratio Lower Upper
58 100
43 364.8 234.7 352.1#



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

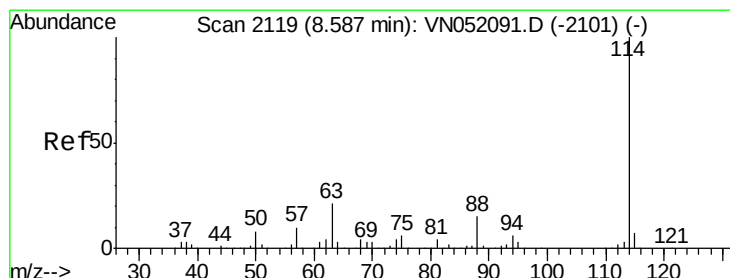
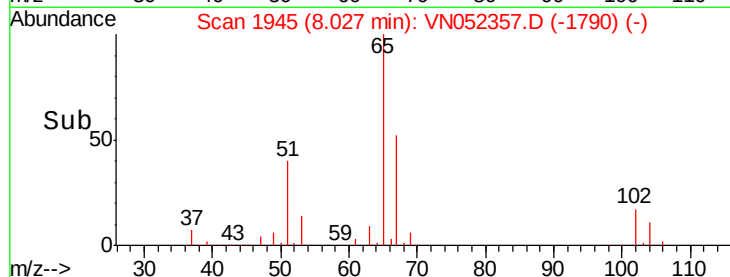
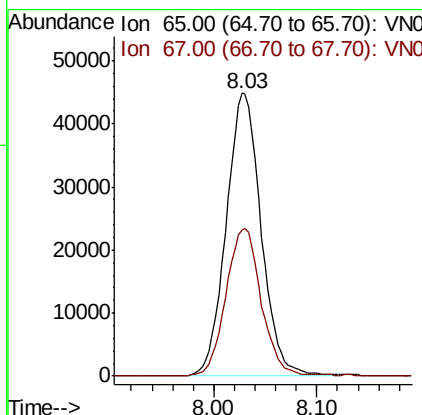
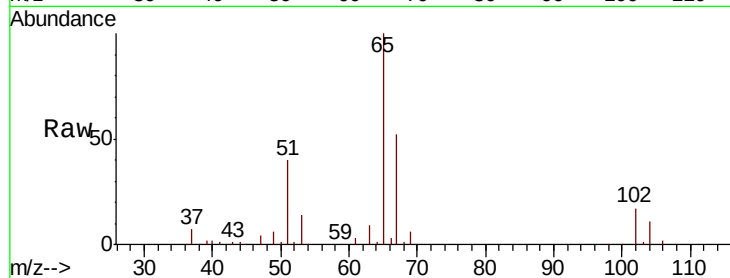




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052357.D
 Acq: 16 Nov 2018 11:54

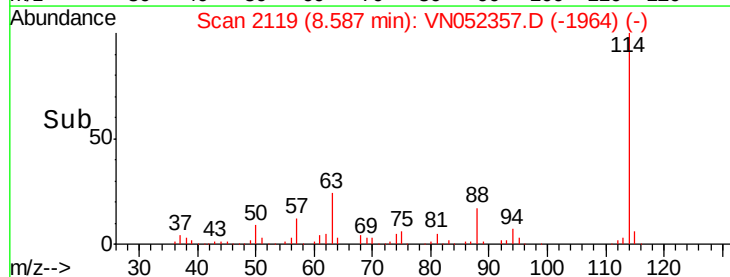
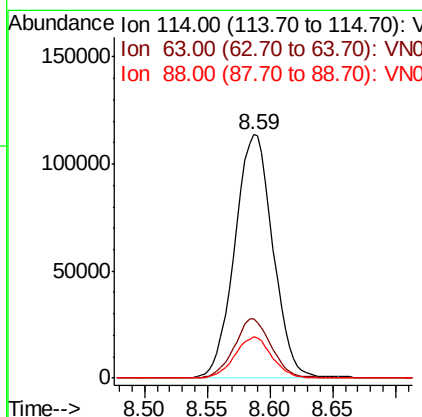
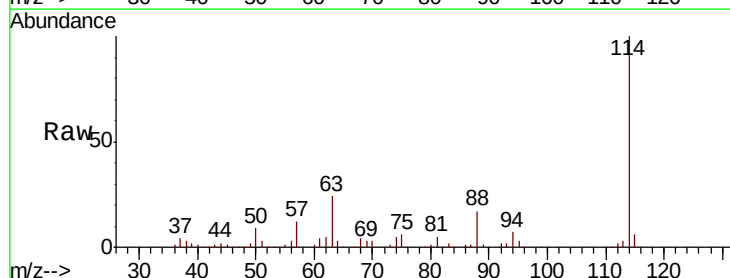
Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(NOV)

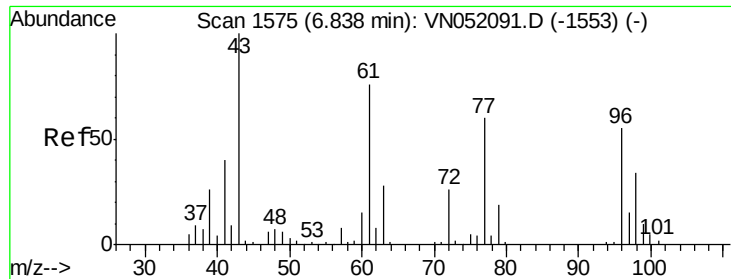
Tot Ion: 65 Resp: 105802
 Ion Ratio Lower Upper
 65 100
 67 52.4 42.6 64.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052357.D
 Acq: 16 Nov 2018 11:54

Tgt Ion: 114 Resp: 240576
 Ion Ratio Lower Upper
 114 100
 63 23.5 17.5 26.3
 88 16.3 12.6 18.8

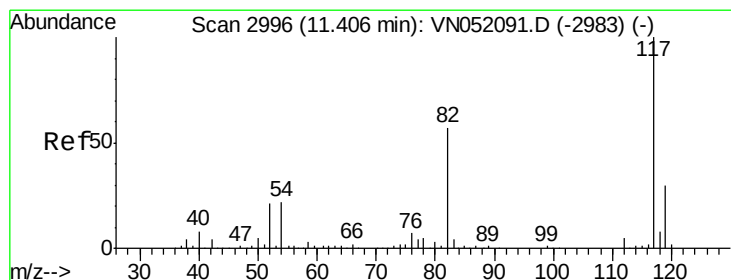
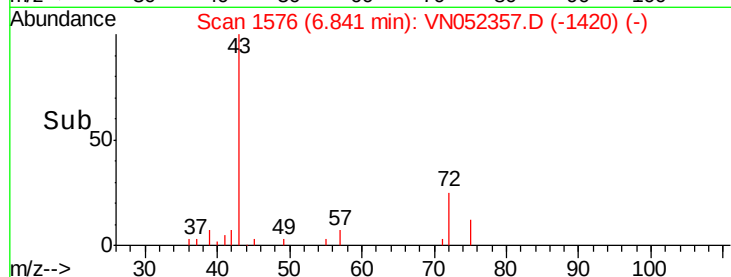
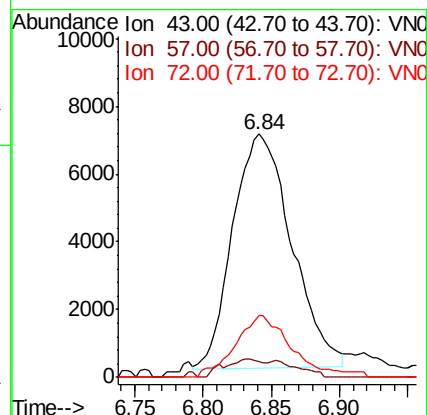
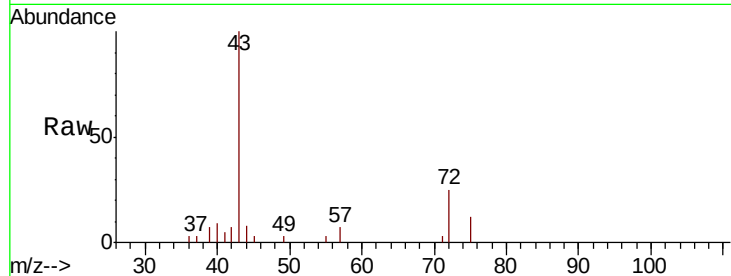




#30
2-Butanone
Concen: 20.428 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN052357.D
Acq: 16 Nov 2018 11:54

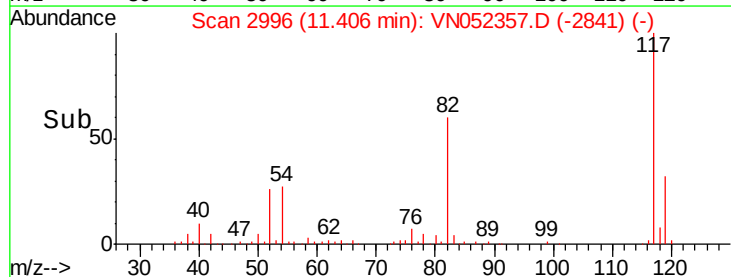
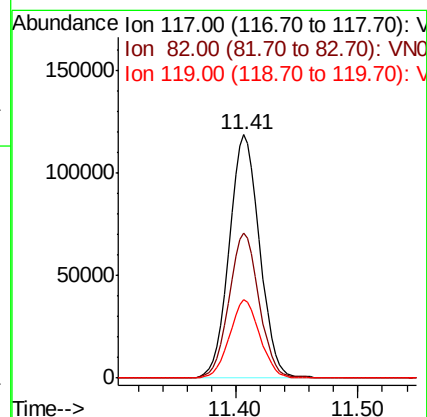
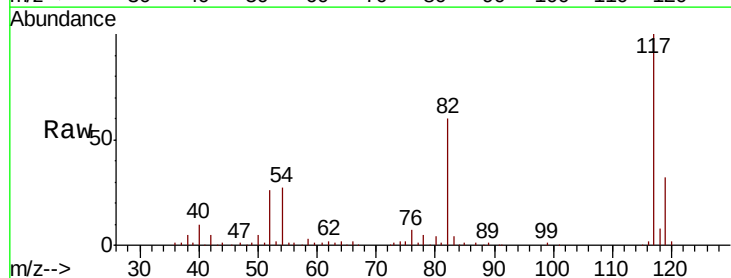
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(NOV)

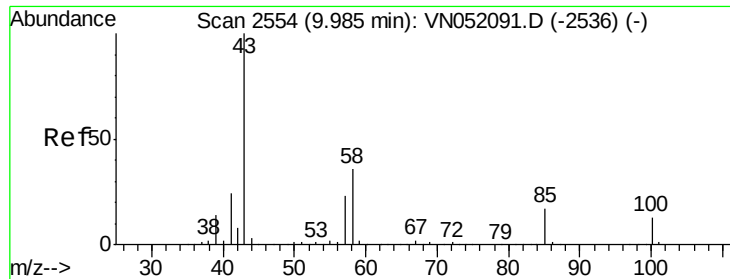
Tot Ion: 43 Resp: 20779
Ion Ratio Lower Upper
43 100
57 4.3 6.6 9.8#
72 21.5 9.2 13.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052357.D
Acq: 16 Nov 2018 11:54

Tgt Ion: 117 Resp: 206956
Ion Ratio Lower Upper
117 100
82 59.1 45.0 67.6
119 31.9 24.2 36.4

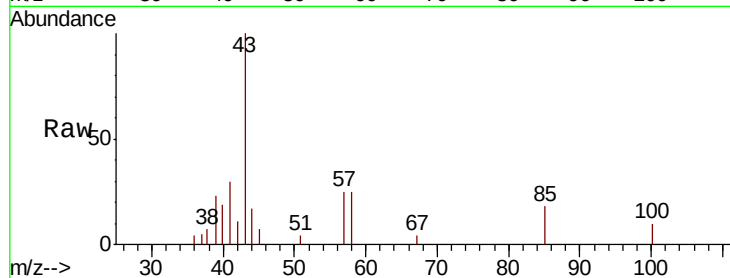




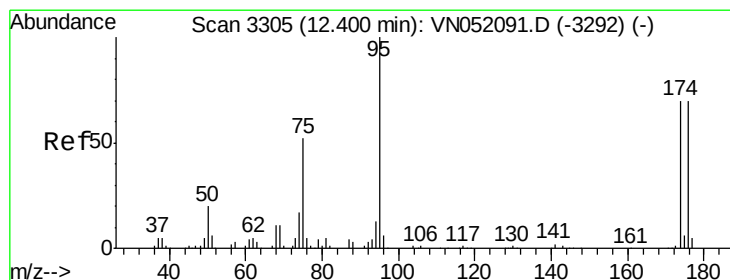
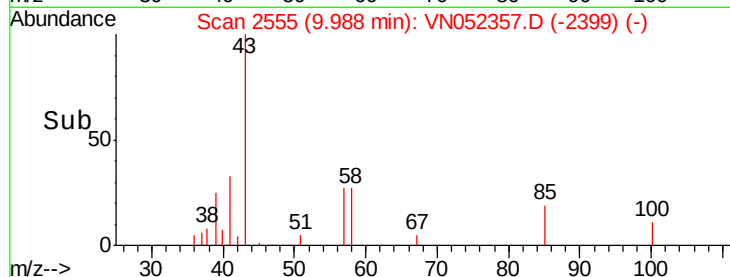
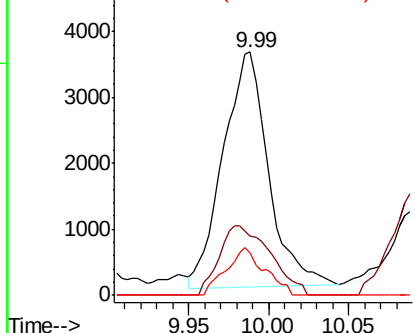
#58
 4-Methyl-2-Pentanone
 Concen: 3.111 ug/l
 RT: 9.99 min Scan# 2555
 Delta R.T. 0.00 min
 Lab File: VN052357.D
 Acq: 16 Nov 2018 11:54

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

Tot Ion: 43 Resp: 6900
 Ion Ratio Lower Upper
 43 100
 58 33.7 29.0 43.6
 85 13.6 13.4 20.2

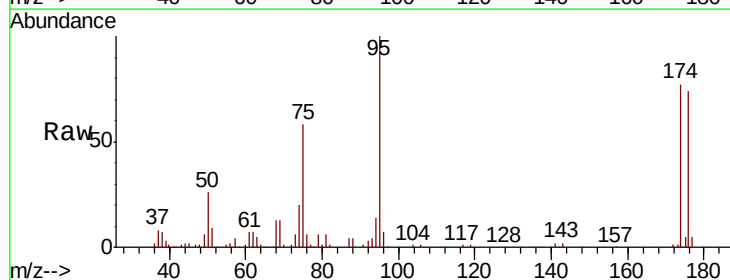


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0
 Ion 85.00 (84.70 to 85.70): VN0

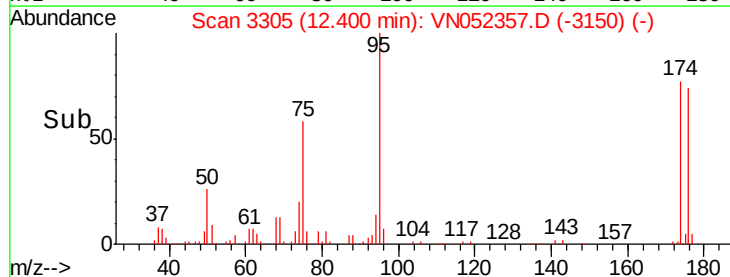
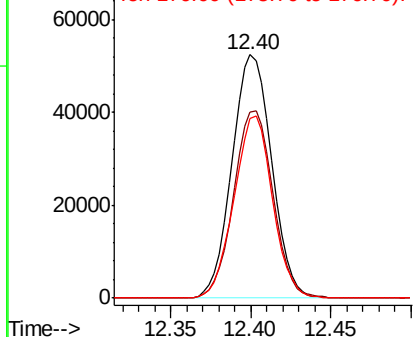


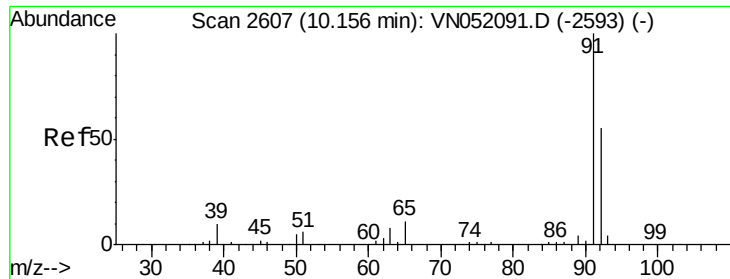
#60
 4-Bromofluorobenzene
 Concen: N.D. ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN052357.D
 Acq: 16 Nov 2018 11:54

Tgt Ion: 95 Resp: 88491
 Ion Ratio Lower Upper
 95 100
 174 76.4 55.0 82.6
 176 72.7 54.2 81.4



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: 35.038 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052357.D

Acq: 16 Nov 2018 11:54

Instrument :

MSVOA_N

ClientSampleId :

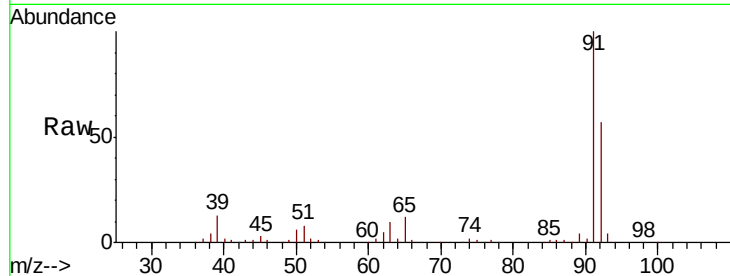
002M-35TH-AVE(NOV)

Tot Ion: 91 Resp: 407060

Ion Ratio Lower Upper

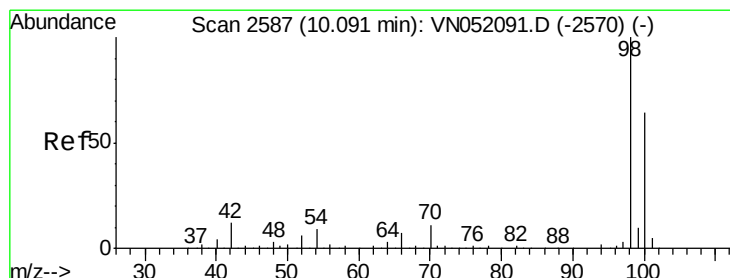
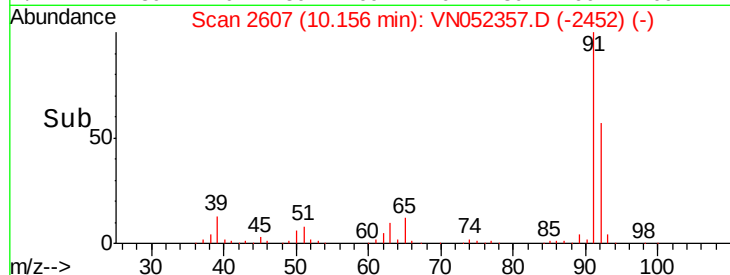
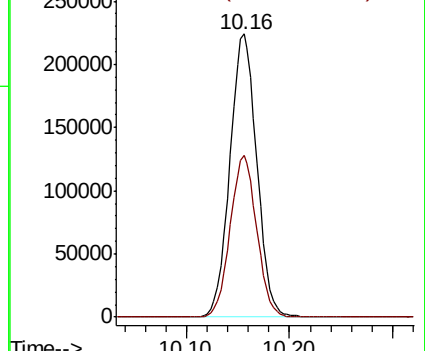
91 100

92 56.1 44.6 67.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0



#63

Toluene-d8

Concen: 35.038 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052357.D

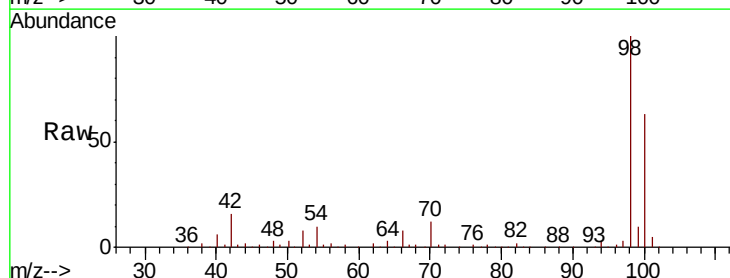
Acq: 16 Nov 2018 11:54

Tgt Ion: 98 Resp: 295631

Ion Ratio Lower Upper

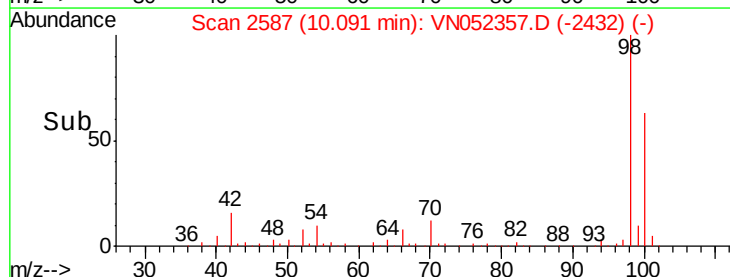
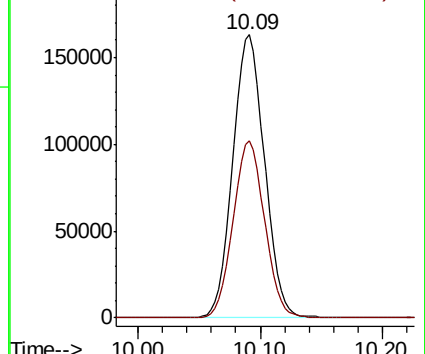
98 100

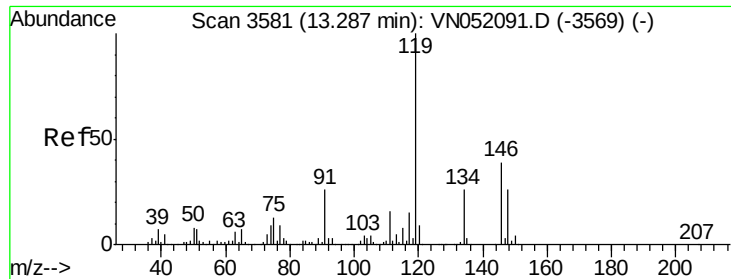
100 62.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#82
 p-Isopropyltoluene
 Concen: 1.812 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052357.D
 Acq: 16 Nov 2018 11:54

Instrument :
 MSVOA_N
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 002M-35TH-AVE(NOV)

Tot Ion:	119	Resp:	18199
Ion	Ratio	Lower	Upper
119	100		
134	25.5	0.0	52.0
91	28.9	0.0	50.8

