

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080619\
 Data File : VN057108.D
 Acq On : 6 Aug 2019 17:12
 Operator : JC/SP
 Sample : K4166-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 07 08:49:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74910	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	400153	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	317286	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	148621	30.32	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.07%
60) 4-Bromofluorobenzene	12.40	95	107527	22.61	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	75.37%
63) Toluene-d8	10.08	98	470877	31.42	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.73%

Target Compounds

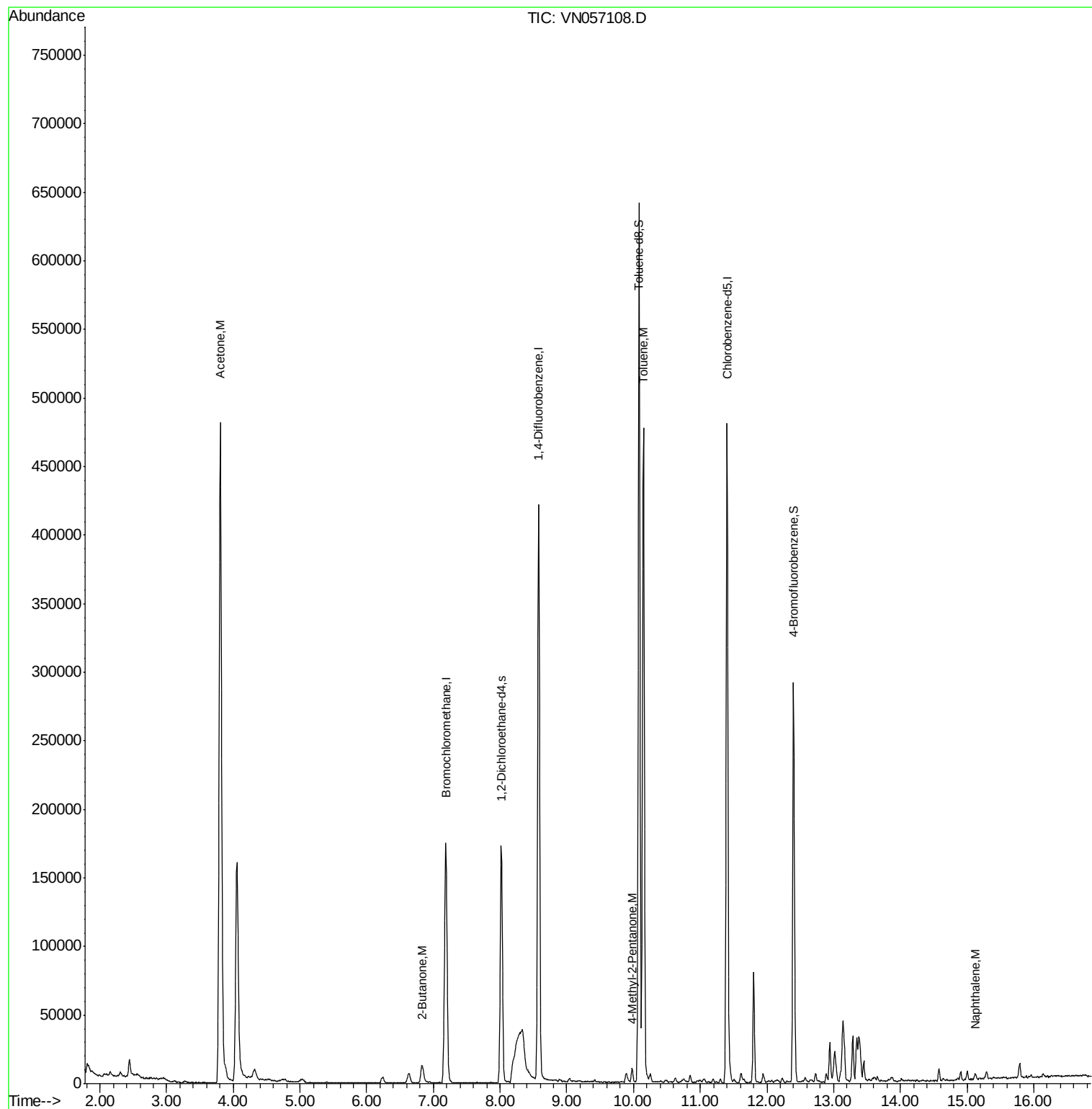
					Ovalue
15) Acetone	3.81	58	268904	551.044	ug/l 94
30) 2-Butanone	6.83	43	26046	11.417	ug/l # 75
58) 4-Methyl-2-Pentanone	9.98	43	7756	1.822	ug/l 98
62) Toluene	10.15	91	385121	22.318	ug/l 99
91) Naphthalene	15.13	128	4407	8.043	ug/l # 75

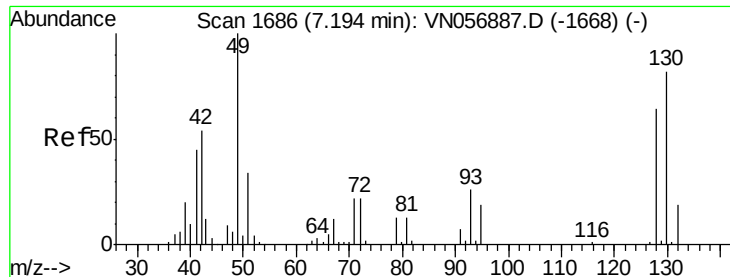
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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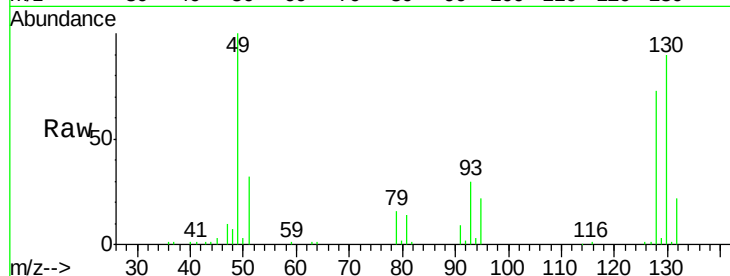




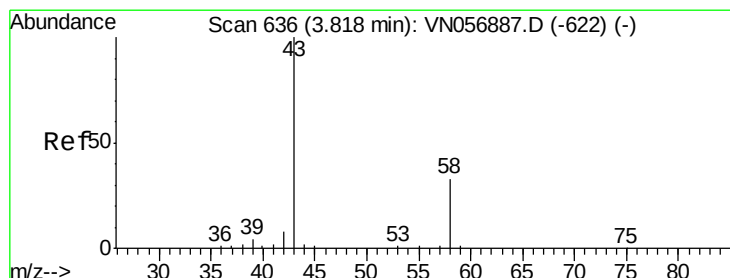
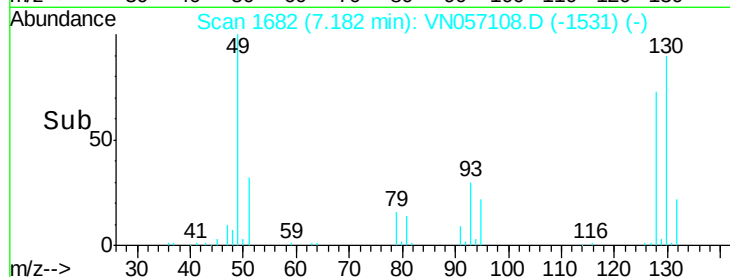
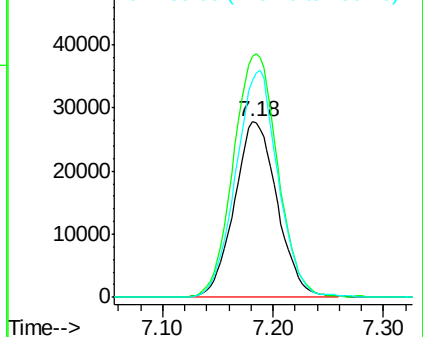
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. -0.01 min
 Lab File: VN057108.D
 Acq: 6 Aug 2019 17:12

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

Tot Ion:128 Resp: 74910
 Ion Ratio Lower Upper
 128 100
 49 142.5 0.0 385.8
 130 127.4 0.0 322.5

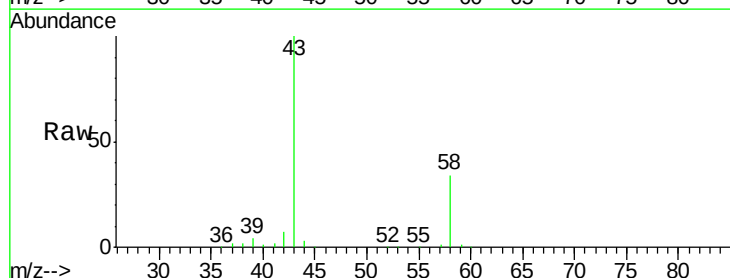


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

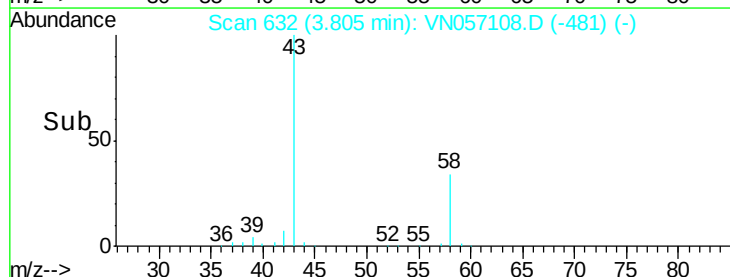
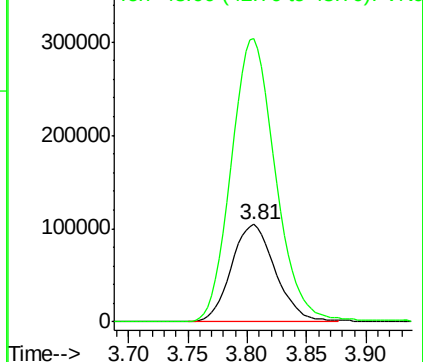


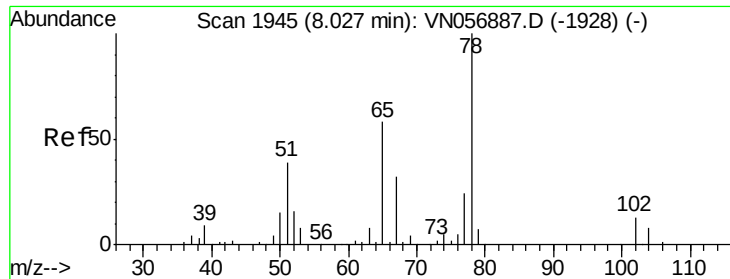
#15
 Acetone
 Concen: 551.044 ug/l
 RT: 3.81 min Scan# 632
 Delta R.T. -0.01 min
 Lab File: VN057108.D
 Acq: 6 Aug 2019 17:12

Tgt Ion: 58 Resp: 268904
 Ion Ratio Lower Upper
 58 100
 43 290.5 242.4 363.6



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

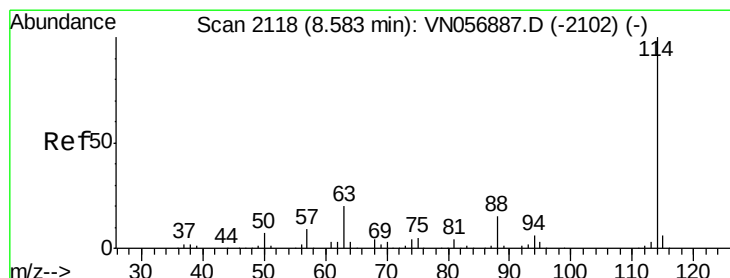
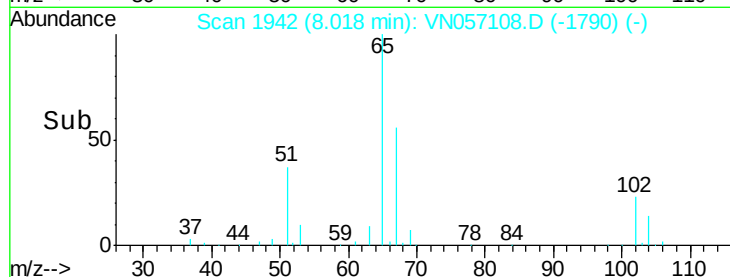
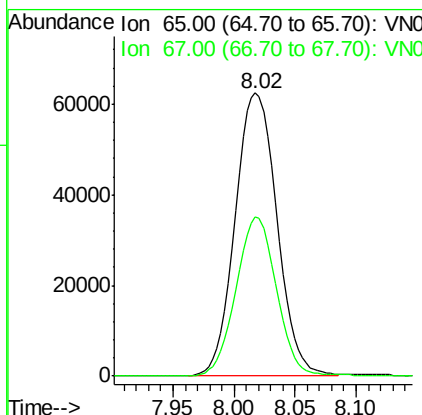
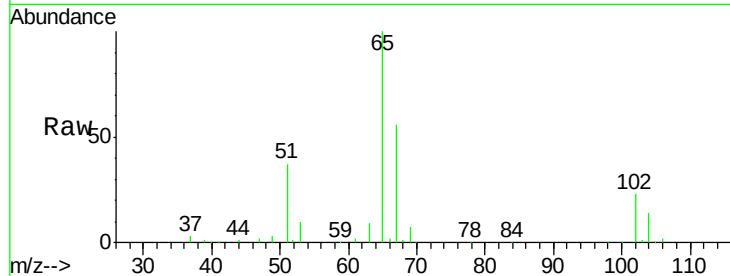




#27
 1,2-Dichloroethane-d4
 Concen: 30.316 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. -0.01 min
 Lab File: VN057108.D
 Acq: 6 Aug 2019 17:12

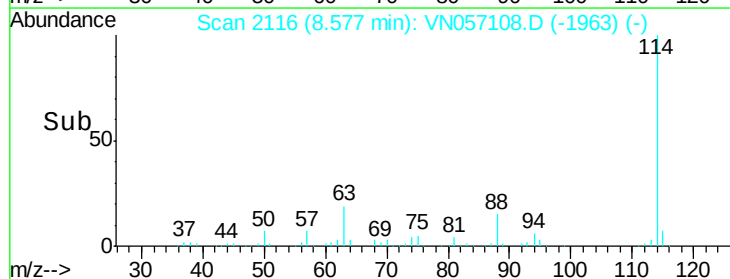
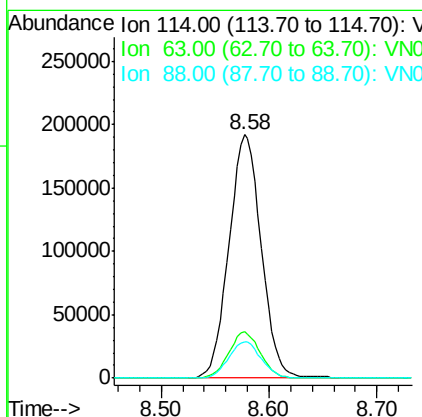
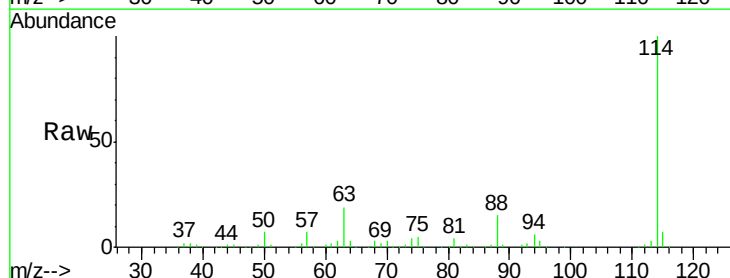
Instrument :
 MSVOA_N
 ClientSampleId :
 002-35TH-AVE(AUG)

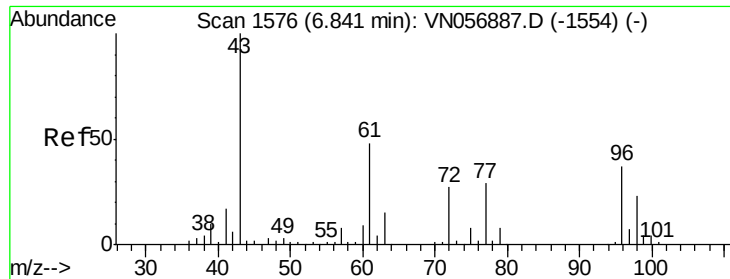
Tot Ion: 65 Resp: 148621
 Ion Ratio Lower Upper
 65 100
 67 54.4 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057108.D
 Acq: 6 Aug 2019 17:12

Tgt Ion: 114 Resp: 400153
 Ion Ratio Lower Upper
 114 100
 63 18.7 15.8 23.6
 88 15.1 12.5 18.7

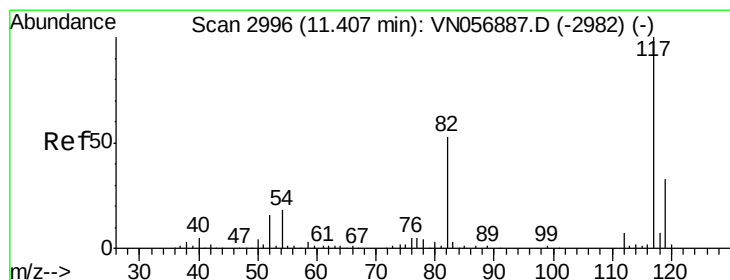
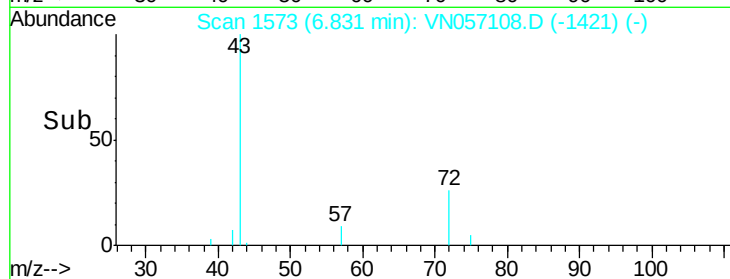
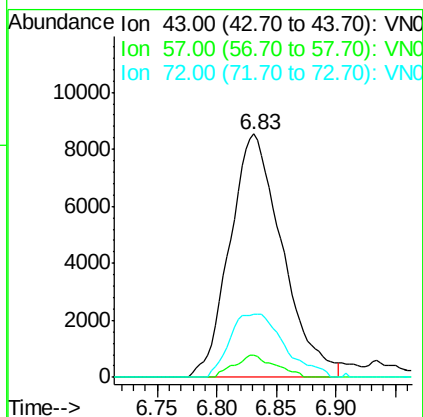
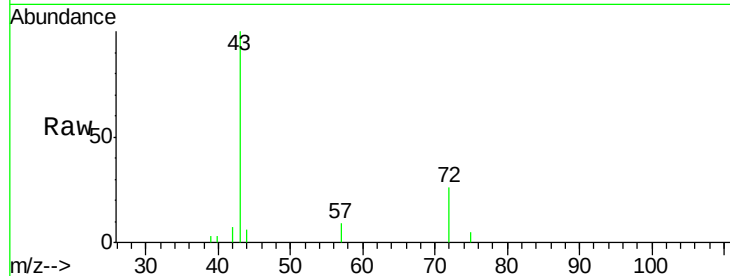




#30
2-Butanone
Concen: 11.417 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN057108.D
Acq: 6 Aug 2019 17:12

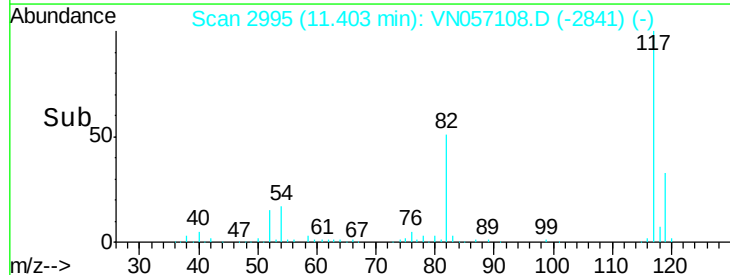
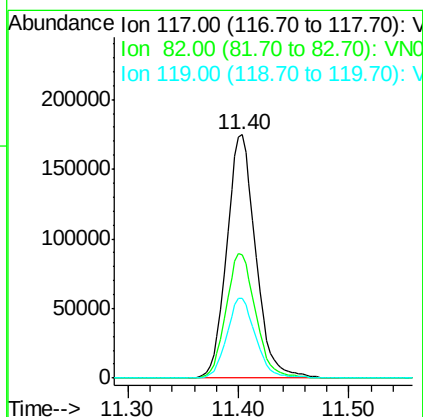
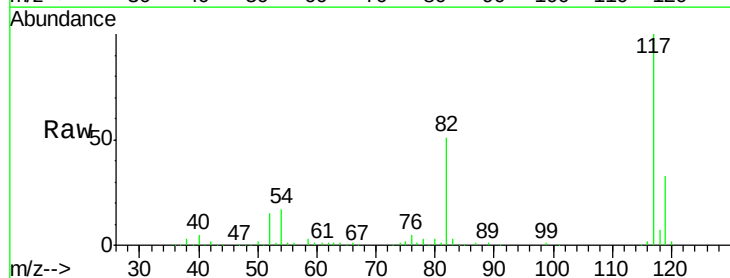
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE(AUG)

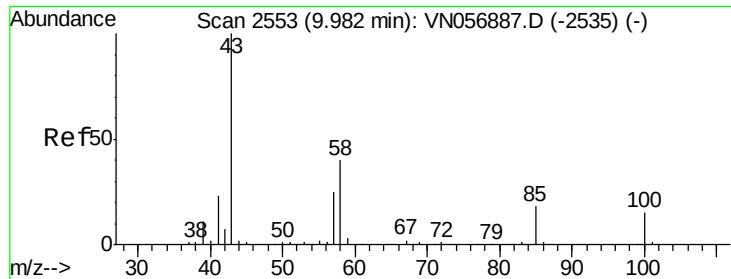
Tot Ion: 43 Resp: 26046
Ion Ratio Lower Upper
43 100
57 7.2 6.5 9.7
72 10.9 22.1 33.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057108.D
Acq: 6 Aug 2019 17:12

Tgt Ion: 117 Resp: 317286
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 32.8 26.2 39.2

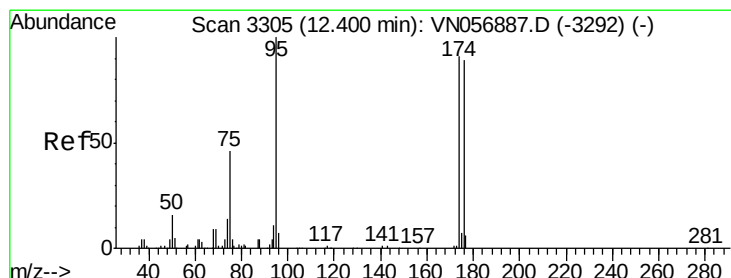
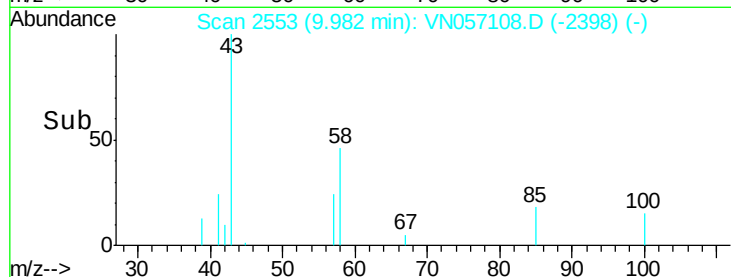
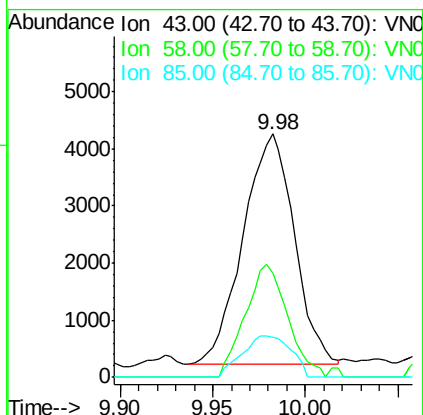
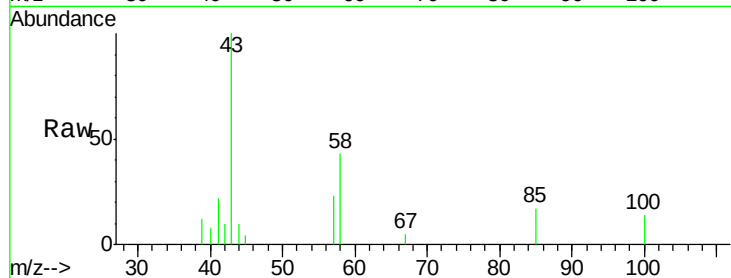




#58
 4-Methyl-2-Pentanone
 Concen: 1.822 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. -0.00 min
 Lab File: VN057108.D
 Acq: 6 Aug 2019 17:12

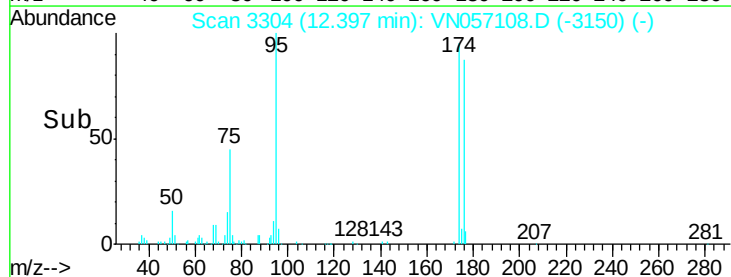
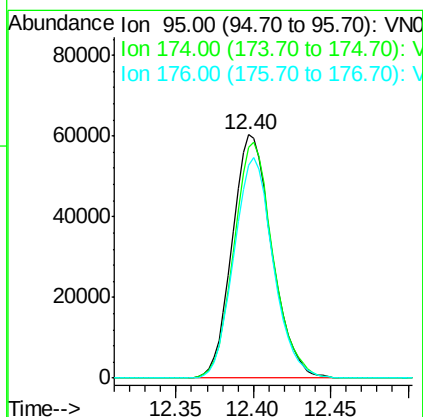
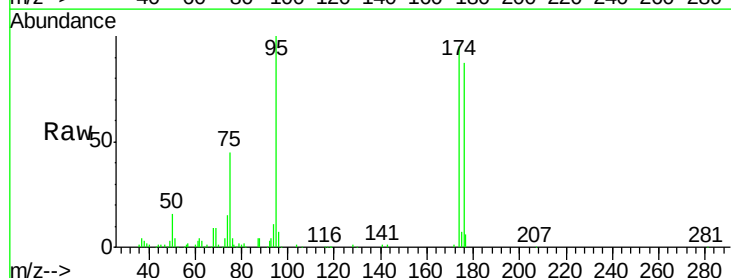
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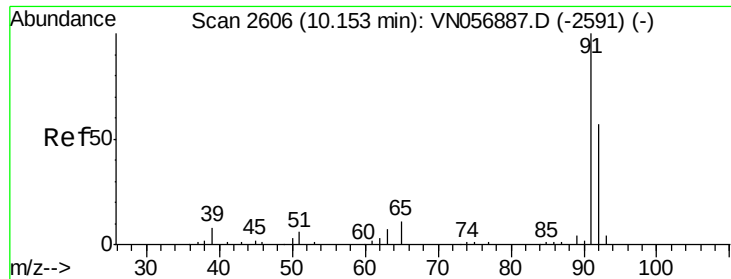
Tot Ion: 43 Resp: 7756
 Ion Ratio Lower Upper
 43 100
 58 40.4 31.7 47.5
 85 17.1 14.5 21.7



#60
 4-Bromofluorobenzene
 Concen: 22.611 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN057108.D
 Acq: 6 Aug 2019 17:12

Tgt Ion: 95 Resp: 107527
 Ion Ratio Lower Upper
 95 100
 174 95.9 71.9 107.9
 176 89.6 69.8 104.8





#62

Toluene

Concen: 22.318 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057108.D

Acq: 6 Aug 2019 17:12

Instrument :

MSVOA_N

ClientSampleId :

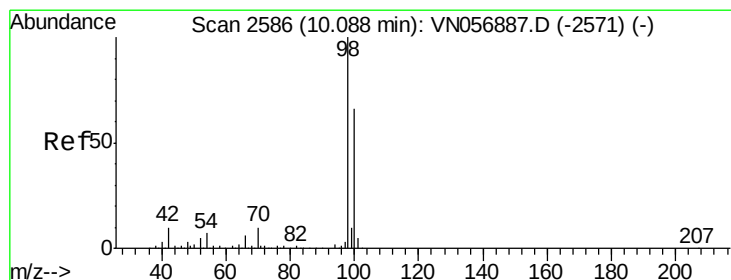
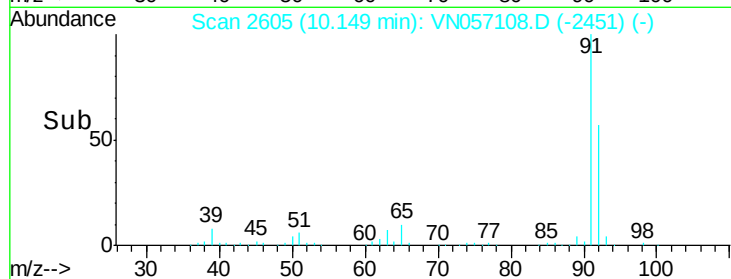
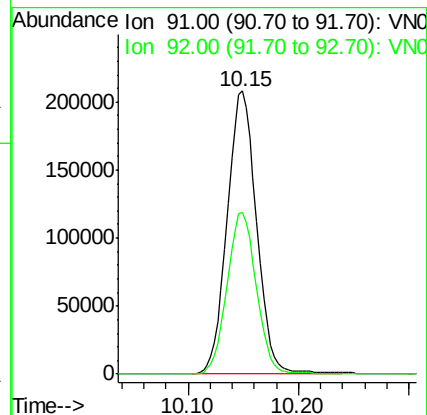
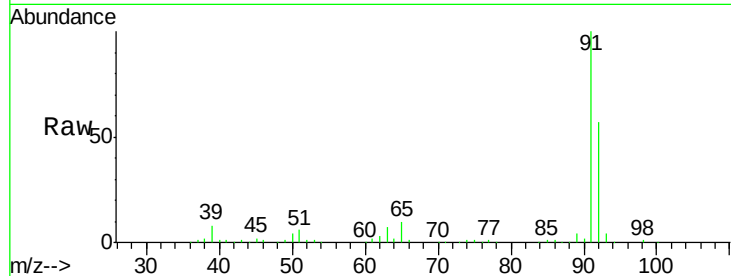
002-35TH-AVE(AUG)

Tot Ion: 91 Resp: 385121

Ion Ratio Lower Upper

91 100

92 57.1 46.1 69.1



#63

Toluene-d8

Concen: 31.417 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057108.D

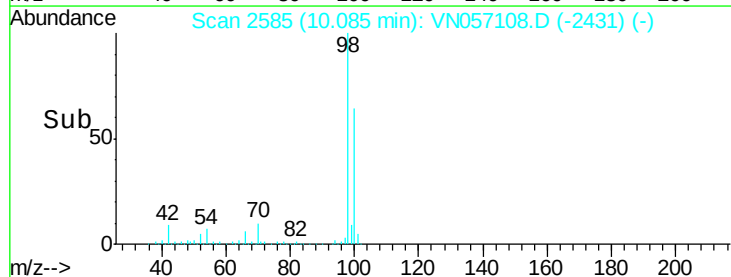
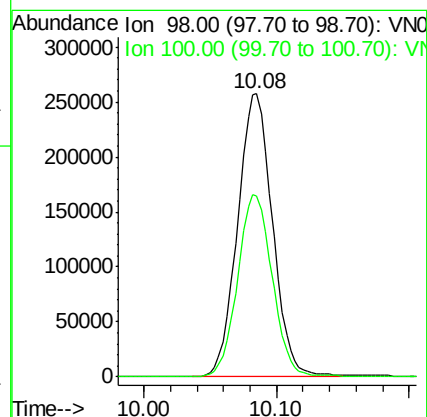
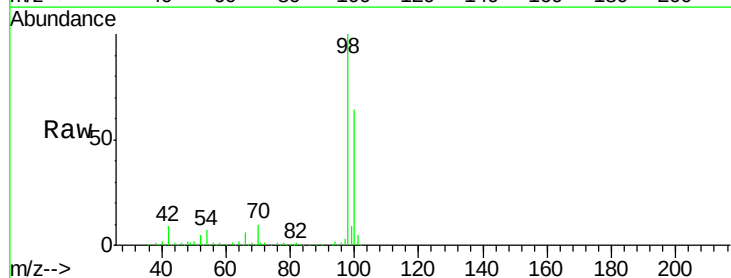
Acq: 6 Aug 2019 17:12

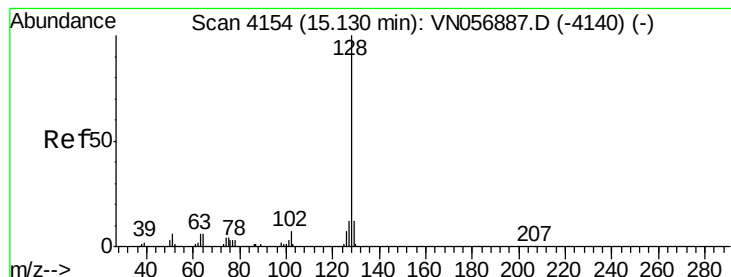
Tgt Ion: 98 Resp: 470877

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.2





#91

Naphthalene

Concen: 8.043 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057108.D

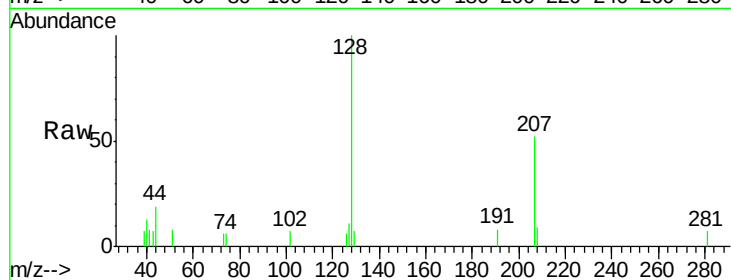
Acq: 6 Aug 2019 17:12

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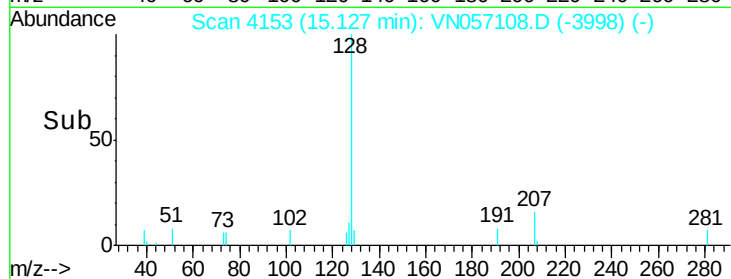
Tot Ion:128 Resp: 4407

Ion Ratio Lower Upper

128 100

127 0.0 10.0 15.0#

129 4.6 8.9 13.3#



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

