

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081420\
 Data File : VN062937.D
 Acq On : 14 Aug 2020 13:38
 Operator : JC/MD
 Sample : L3603-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Aug 14 14:49:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N081420W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Aug 14 06:20:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	25518	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	122865	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	117341	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	68529	30.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.20%
60) 4-Bromofluorobenzene	12.38	95	49739	24.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.23%
63) Toluene-d8	10.06	98	155638	28.37	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	94.57%

Target Compounds

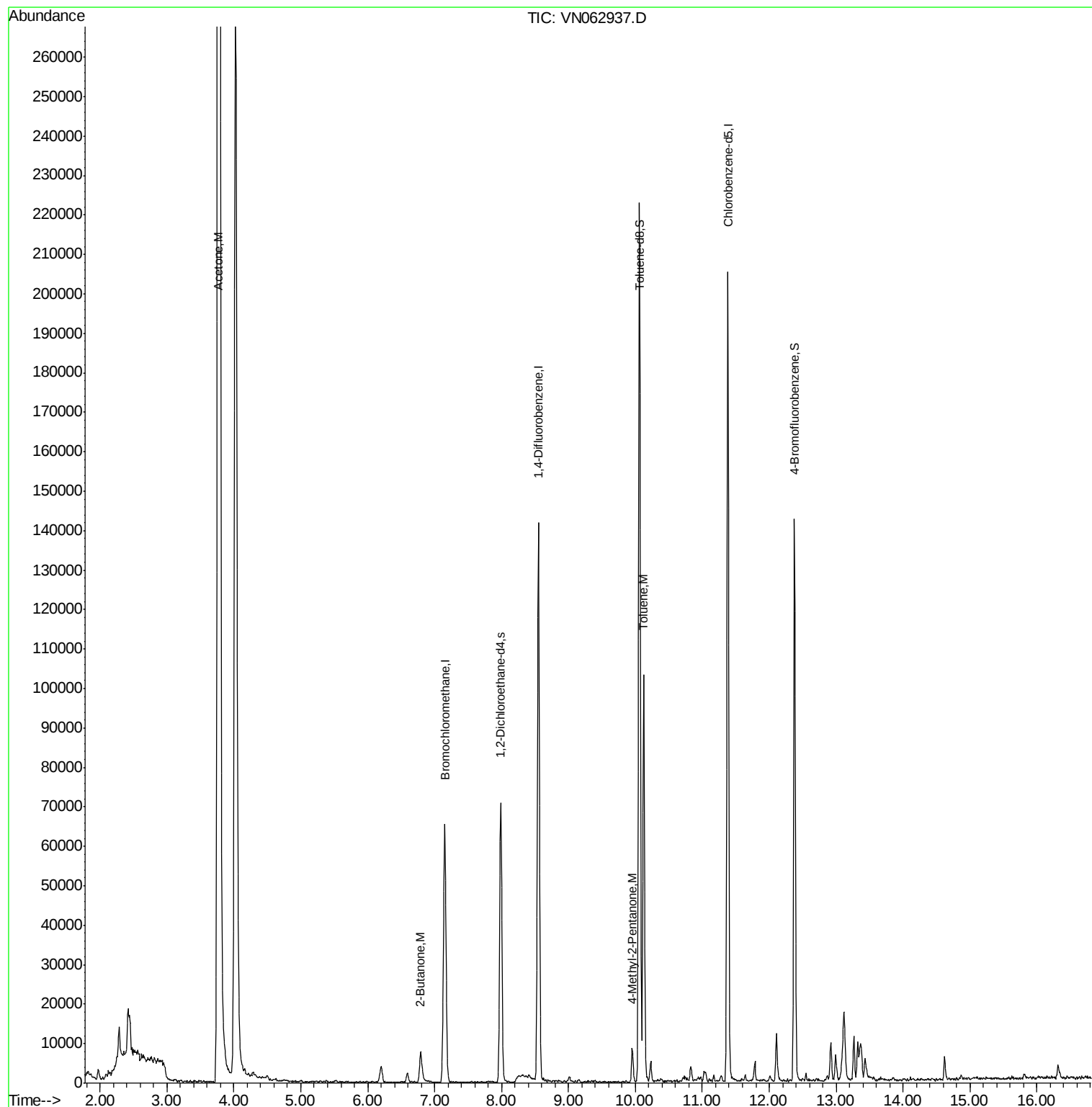
					Ovalue
15) Acetone	3.78	58	415408	1998.047 ug/l	90
30) 2-Butanone	6.79	43	13193	14.101 ug/l #	55
58) 4-Methyl-2-Pentanone	9.95	43	5925	2.902 ug/l	96
62) Toluene	10.12	91	76980	12.442 ug/l	100

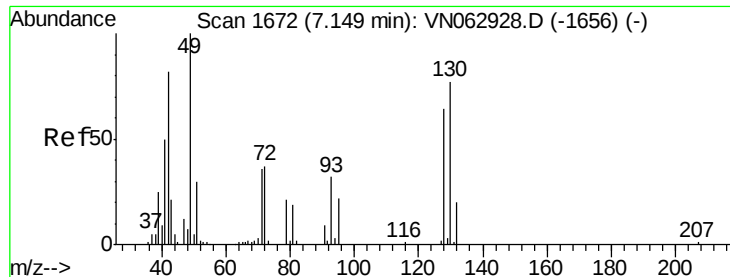
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

002-35TH-AVE-(AUG)

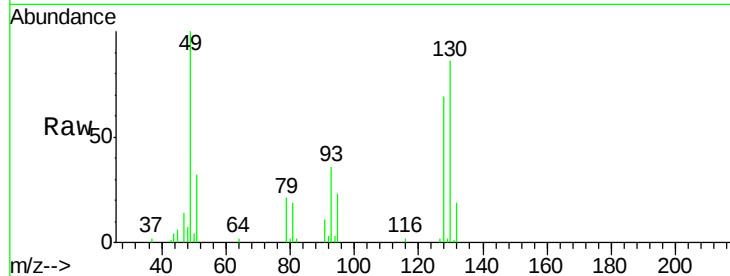
Tot Ion:128 Resp: 25518

Ion Ratio Lower Upper

128 100

49 154.6 0.0 410.0

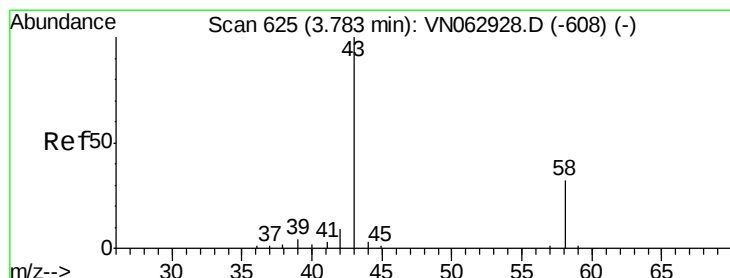
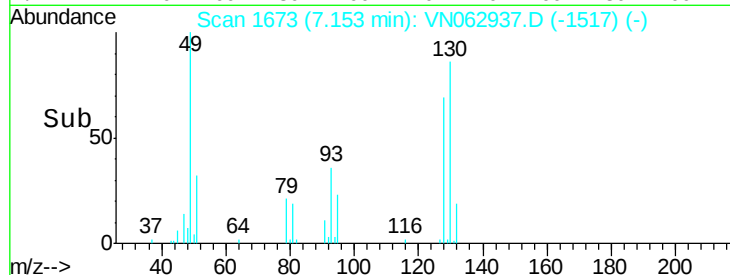
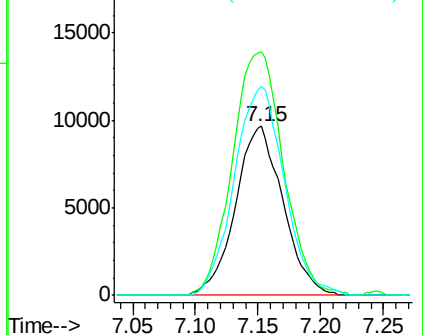
130 130.1 0.0 316.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 1998.047 ug/l

RT: 3.78 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN062937.D

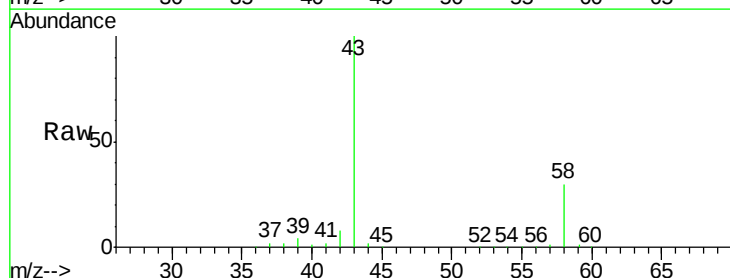
Acq: 14 Aug 2020 13:38

Tgt Ion: 58 Resp: 415408

Ion Ratio Lower Upper

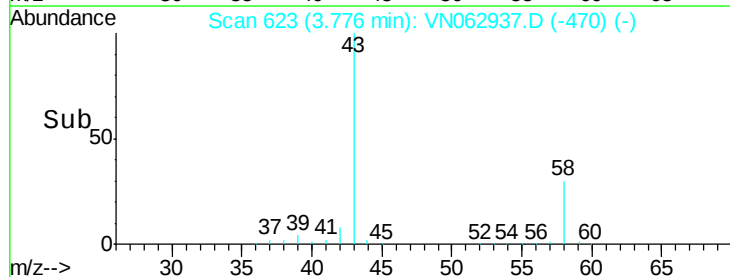
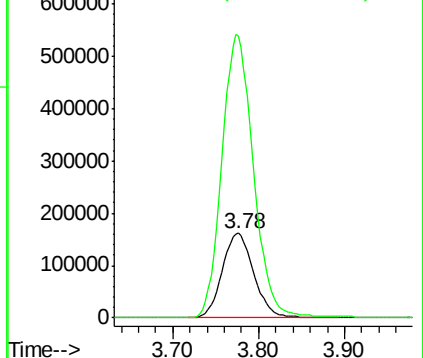
58 100

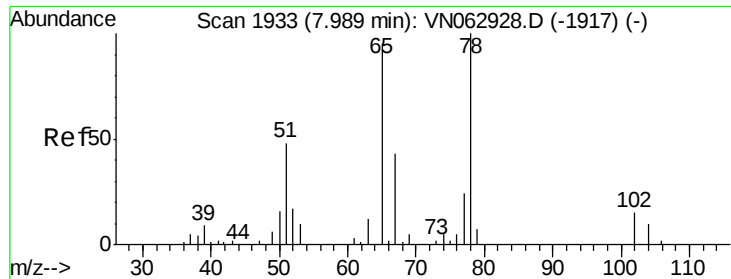
43 333.0 250.0 375.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.063 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

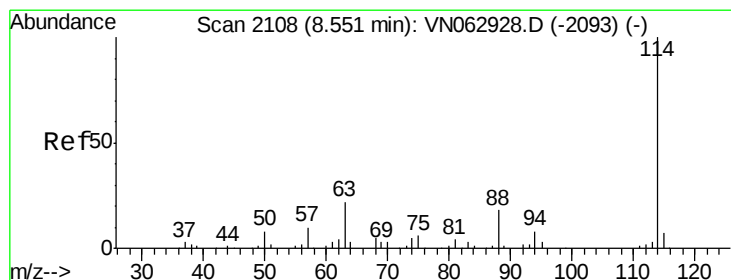
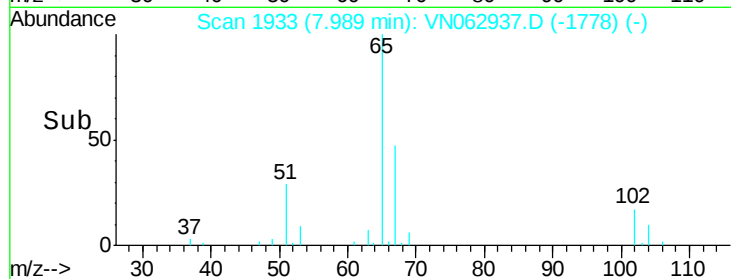
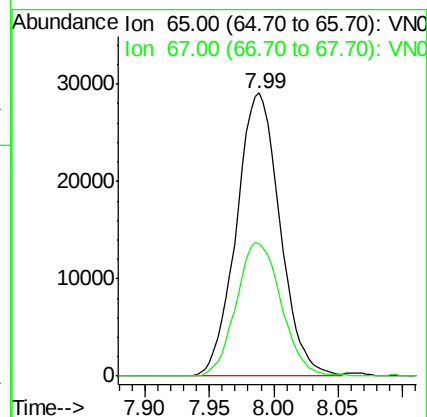
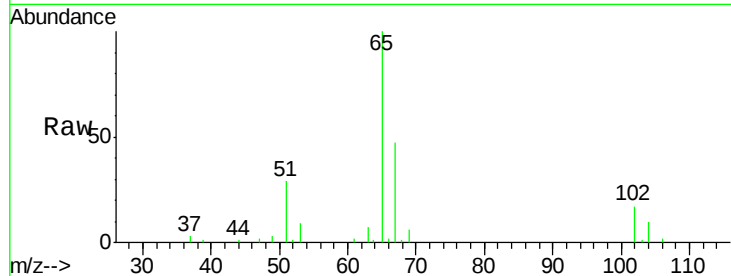
002-35TH-AVE-(AUG)

Tot Ion: 65 Resp: 68529

Ion Ratio Lower Upper

65 100

67 48.4 39.5 59.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

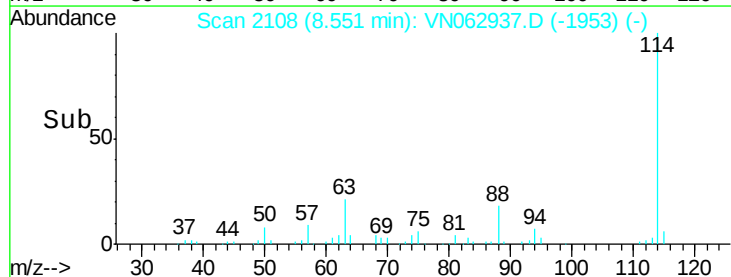
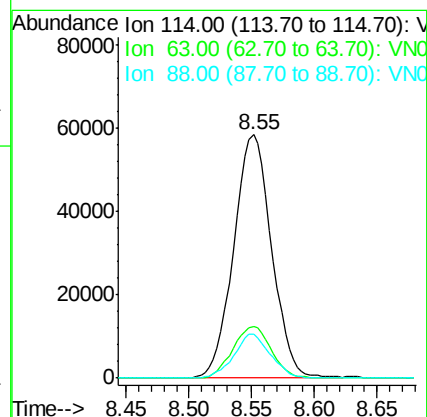
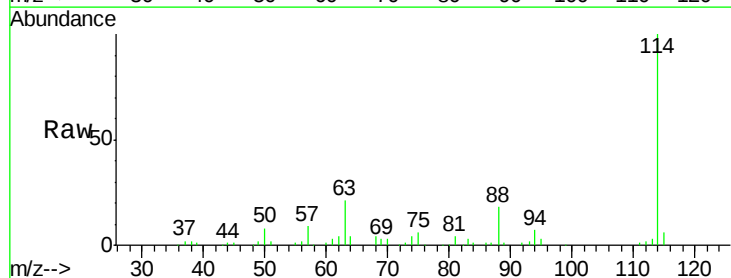
Tgt Ion: 114 Resp: 122865

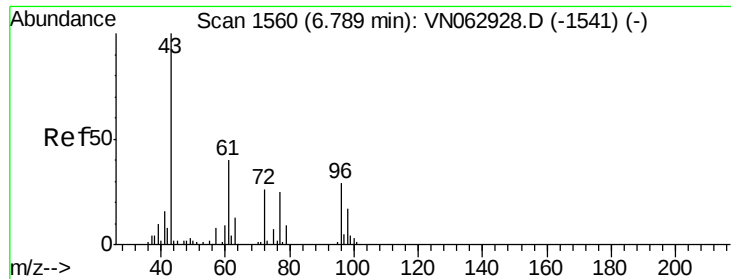
Ion Ratio Lower Upper

114 100

63 21.4 17.7 26.5

88 17.3 13.9 20.9

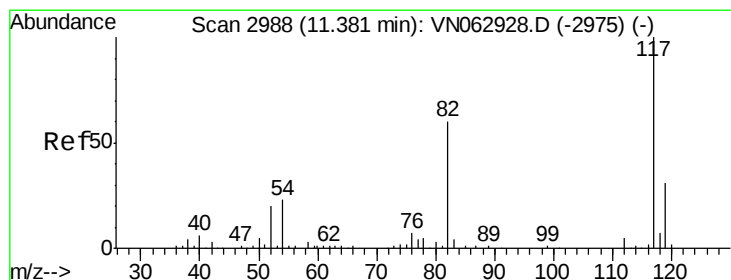
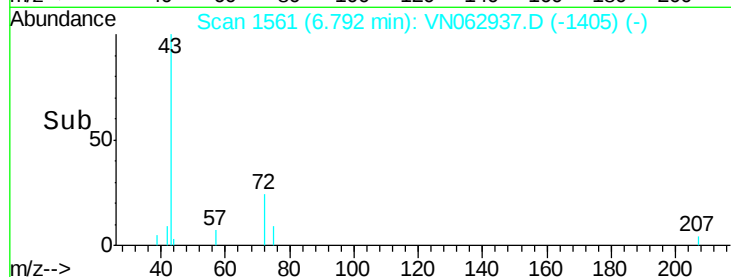
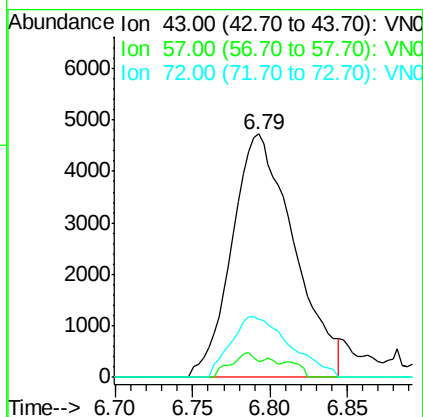
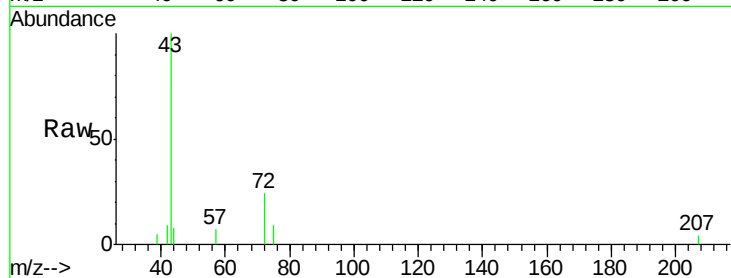




#30
2-Butanone
Concen: 14.101 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. 0.00 min
Lab File: VN062937.D
Acq: 14 Aug 2020 13:38

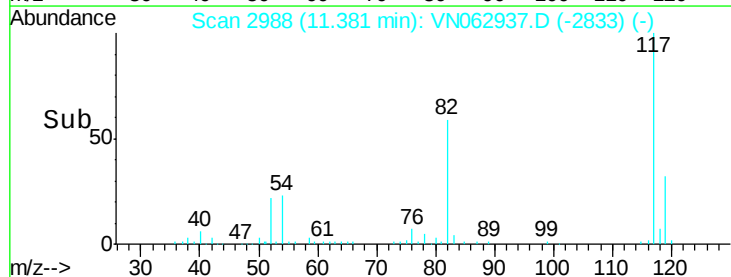
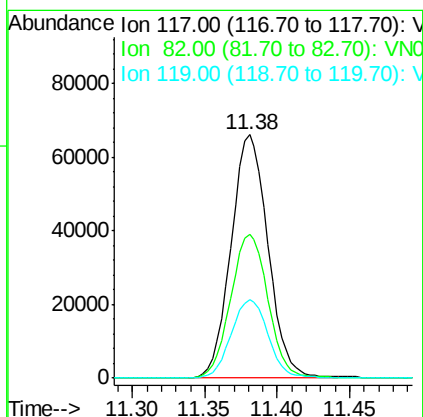
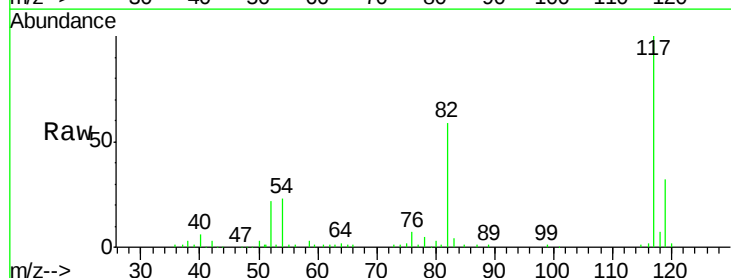
Instrument :
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002-35TH-AVE-(AUG)

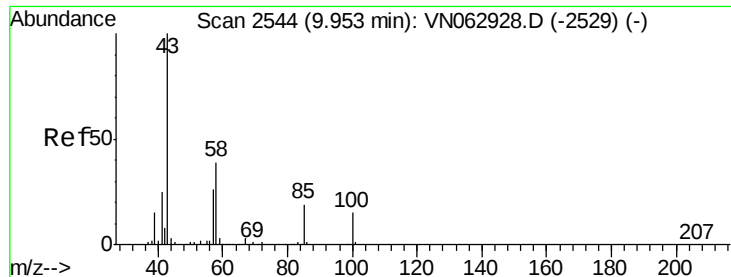
Tot Ion: 43 Resp: 13193
Ion Ratio Lower Upper
43 100
57 1.9 7.0 10.6#
72 0.0 22.0 33.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062937.D
Acq: 14 Aug 2020 13:38

Tgt Ion: 117 Resp: 117341
Ion Ratio Lower Upper
117 100
82 59.6 47.5 71.3
119 32.3 26.0 39.0

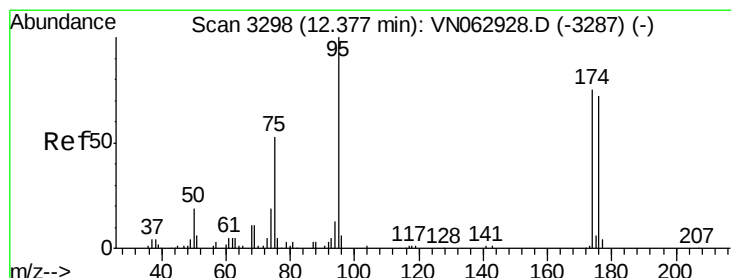
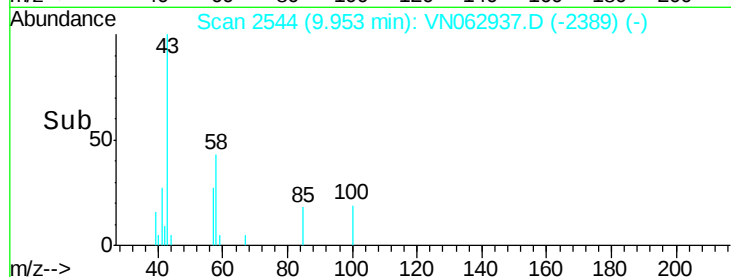
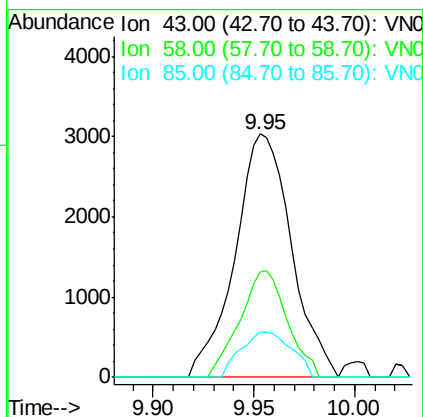
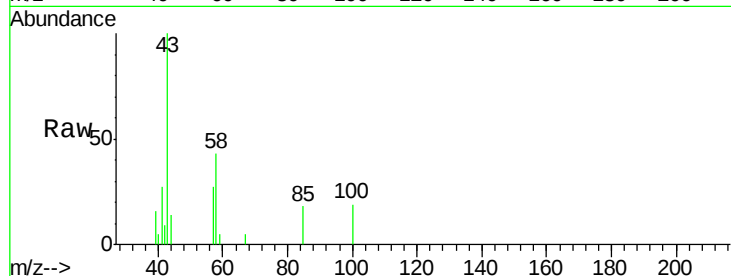




#58
4-Methyl-2-Pentanone
Concen: 2.902 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. -0.00 min
Lab File: VN062937.D
Acq: 14 Aug 2020 13:38

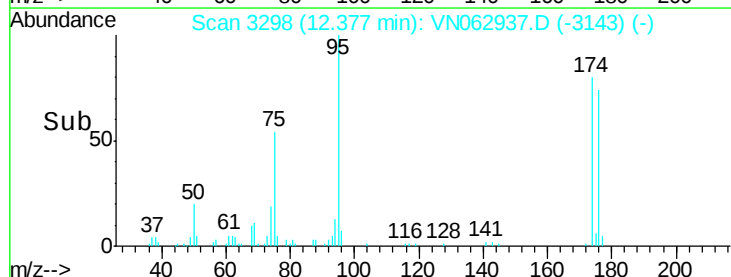
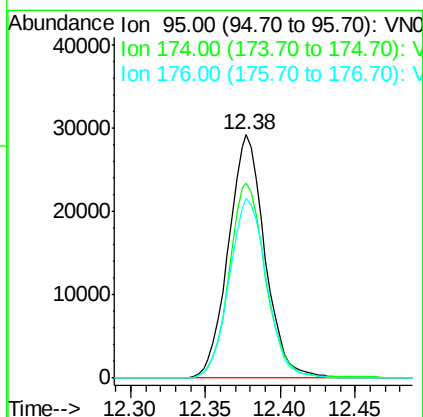
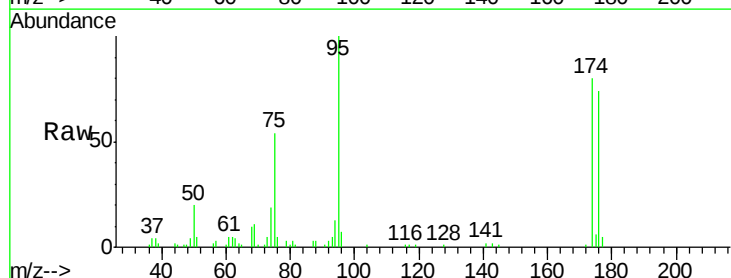
Instrument :
MSVOA_N
ClientSampleId :
002-35TH-AVE-(AUG)

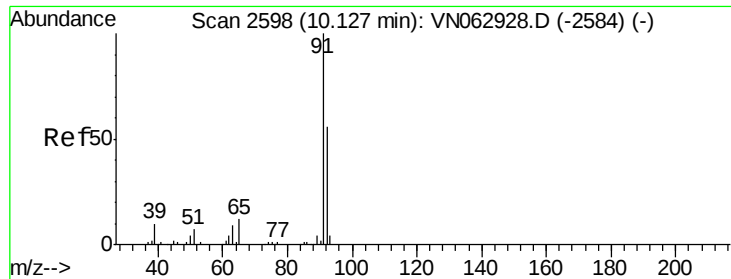
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.9	31.3	46.9
85	16.8	15.2	22.8



#60
4-Bromofluorobenzene
Concen: 24.070 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062937.D
Acq: 14 Aug 2020 13:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.0	60.9	91.3
176	75.5	57.8	86.8





#62

Toluene

Concen: 12.442 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Instrument :

MSVOA_N

ClientSampleId :

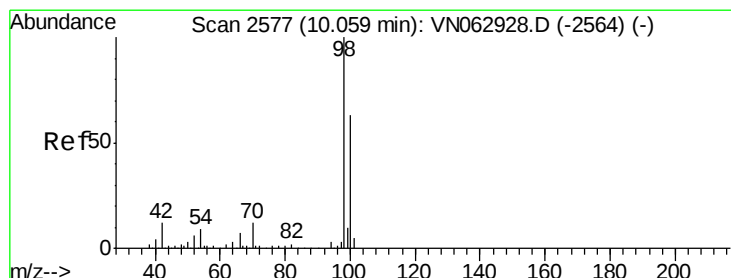
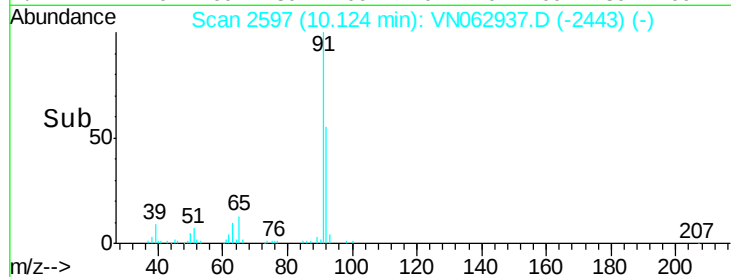
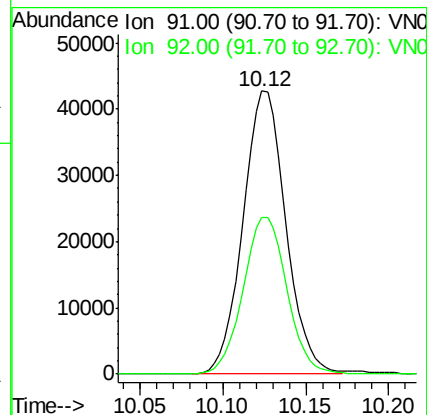
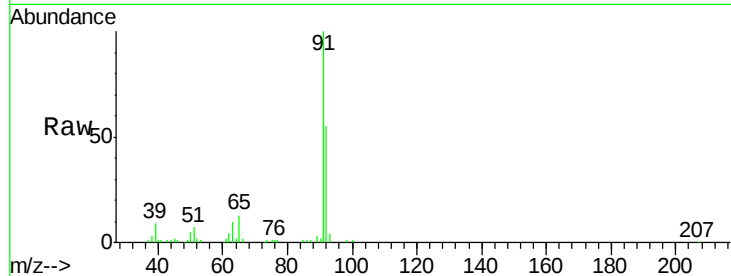
002-35TH-AVE-(AUG)

Tot Ion: 91 Resp: 76980

Ion Ratio Lower Upper

91 100

92 56.6 45.2 67.8



#63

Toluene-d8

Concen: 28.366 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062937.D

Acq: 14 Aug 2020 13:38

Tgt Ion: 98 Resp: 155638

Ion Ratio Lower Upper

98 100

100 62.4 51.0 76.6

