

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064033.D
 Acq On : 9 Oct 2020 13:03
 Operator : JC/MD
 Sample : VN1009WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Quant Time: Oct 10 01:27:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 06 16:42:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	44094	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	229115	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	204524	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.98	65	121458	30.67	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	102.23%	
60) 4-Bromofluorobenzene	12.38	95	85804	24.53	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	81.77%	
63) Toluene-d8	10.06	98	277553	29.94	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	99.80%	

Target Compounds

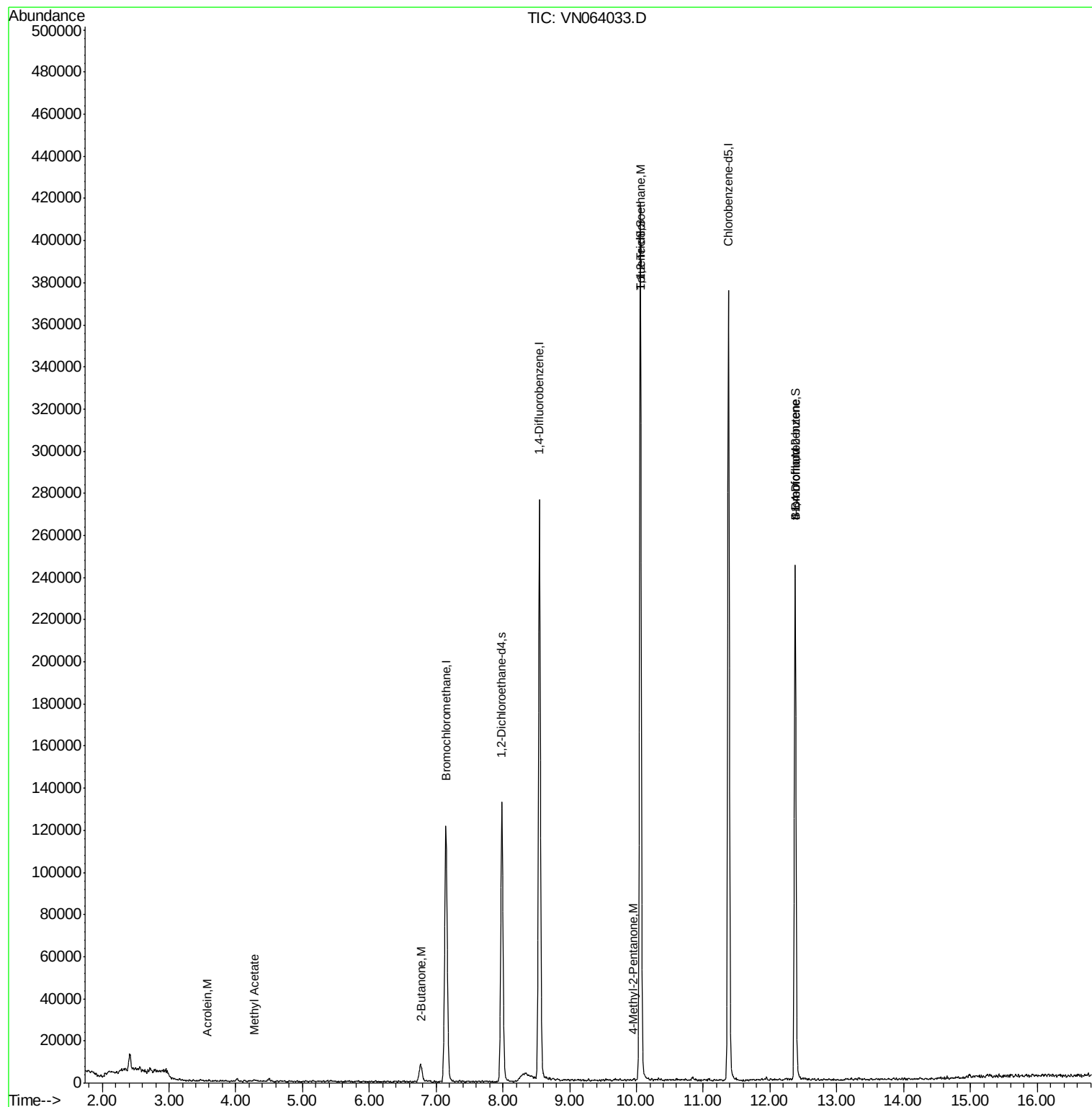
					Ovalue
12) Methyl Acetate	4.28	43	859	0.295 ug/l #	52
13) Acrolein	3.58	56	107	0.377 ug/l #	13
30) 2-Butanone	6.78	43	442	0.225 ug/l #	55
50) 1,1,2-Trichloroethane	10.06	97	10184	3.523 ug/l #	1
56) Bromoform	12.37	173	1104	0.479 ug/l #	1
58) 4-Methyl-2-Pentanone	9.96	43	938	0.236 ug/l #	43
77) t-1,4-Dichloro-2-butene	12.38	75	47506	34.123 ug/l #	12

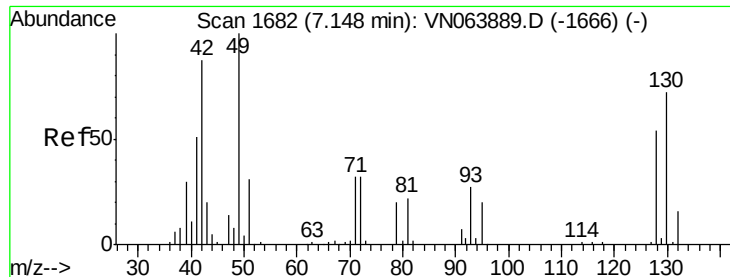
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100920\
Data File : VN064033.D
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Sample : VN1009WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL01

Quant Time: Oct 10 01:27:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N100620W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 06 16:42:38 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064033.D

Acq: 9 Oct 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL01

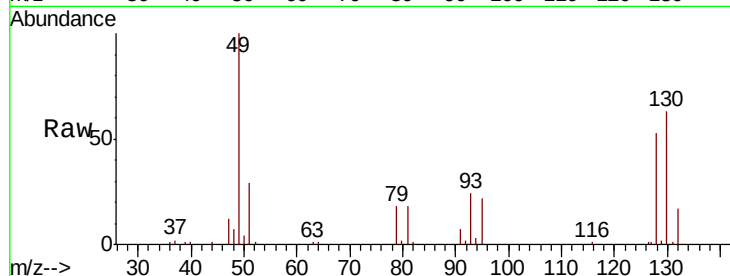
Tot Ion:128 Resp: 44094

Ion Ratio Lower Upper

128 100

49 188.1 0.0 437.5

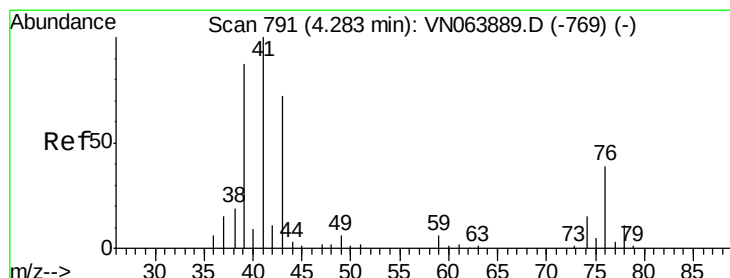
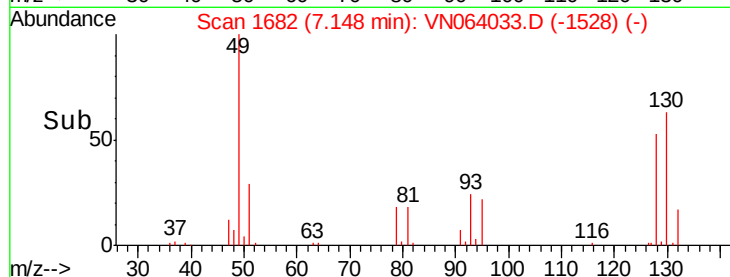
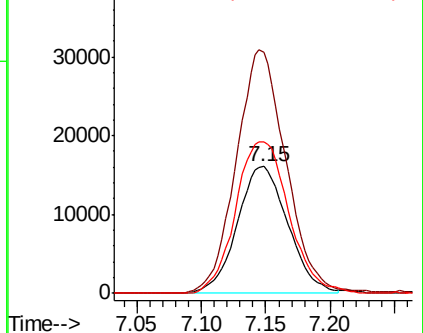
130 125.7 0.0 327.3



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



#12

Methyl Acetate

Concen: 0.295 ug/l

RT: 4.28 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN064033.D

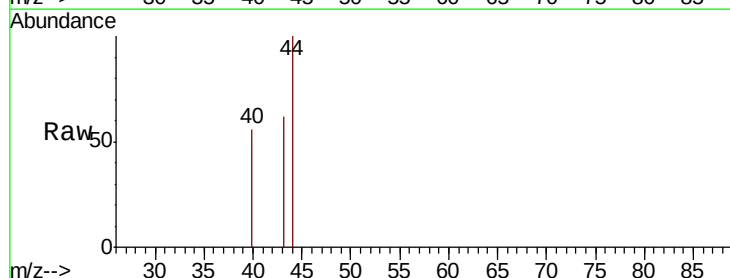
Acq: 9 Oct 2020 13:03

Tgt Ion: 43 Resp: 859

Ion Ratio Lower Upper

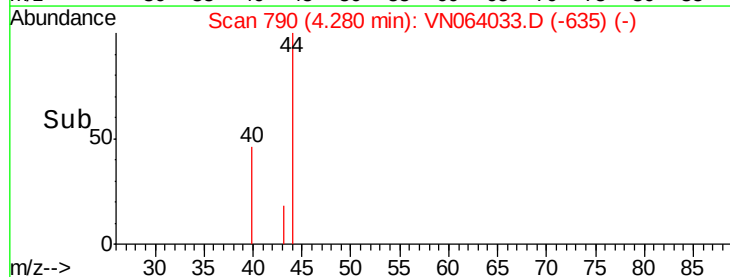
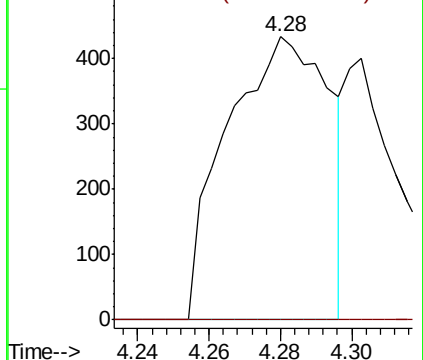
43 100

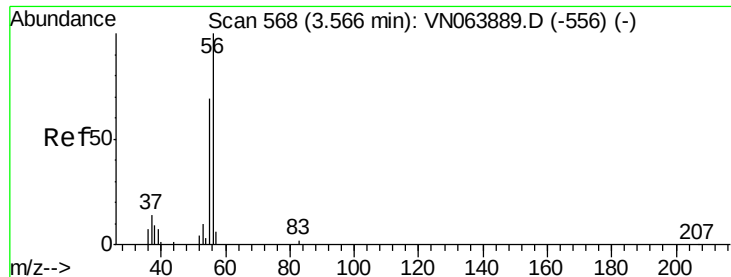
74 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 74.00 (73.70 to 74.70): VN





#13

Acrolein

Concen: 0.377 ug/l

RT: 3.58 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN064033.D

Acq: 9 Oct 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

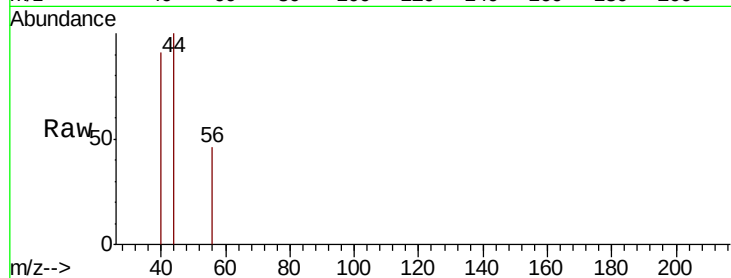
VN1009WBL01

Tot Ion: 56 Resp: 107

Ion Ratio Lower Upper

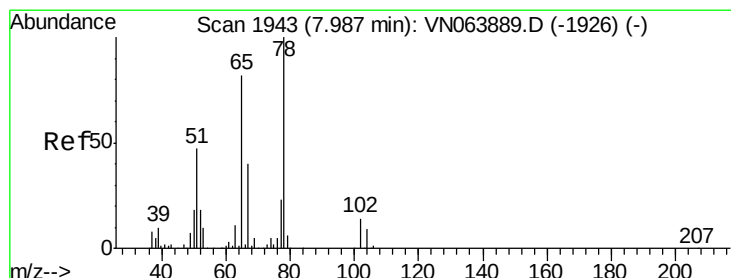
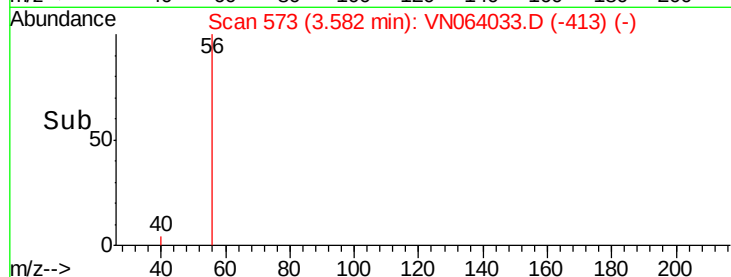
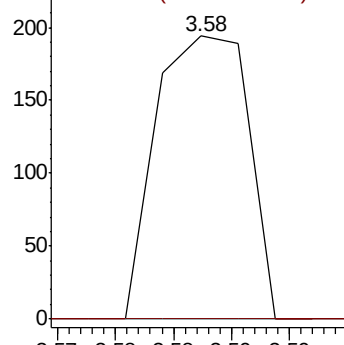
56 100

55 0.0 58.7 88.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#27

1,2-Dichloroethane-d4

Concen: 30.670 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064033.D

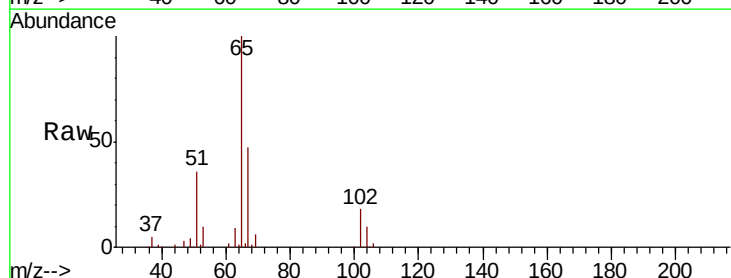
Acq: 9 Oct 2020 13:03

Tgt Ion: 65 Resp: 121458

Ion Ratio Lower Upper

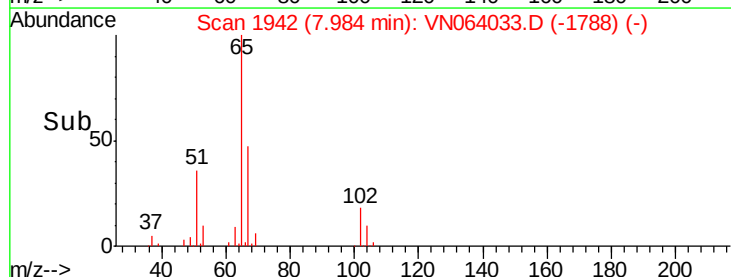
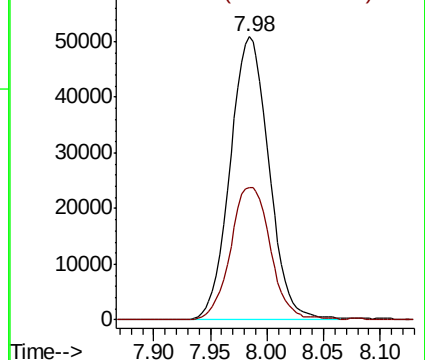
65 100

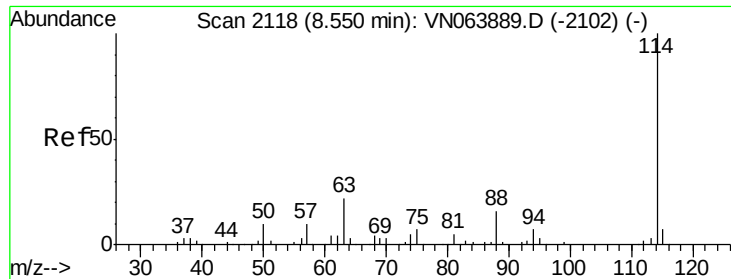
67 47.8 43.8 65.6



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

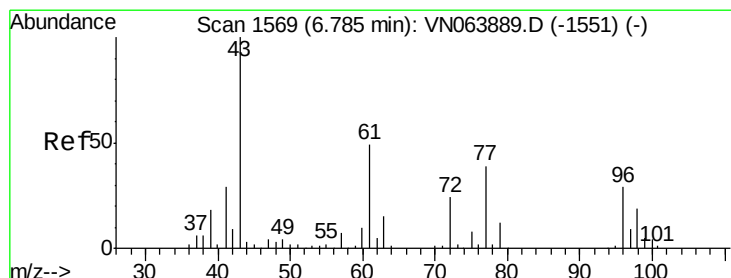
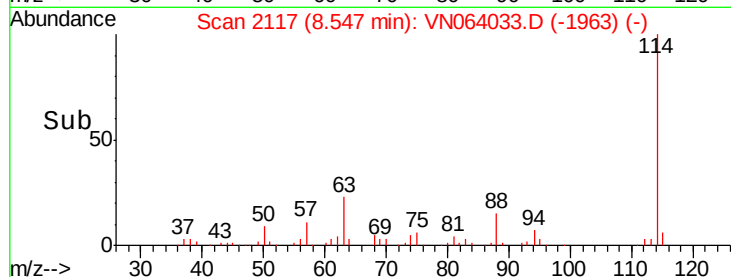
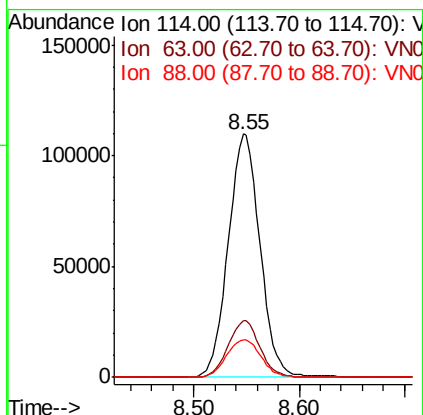
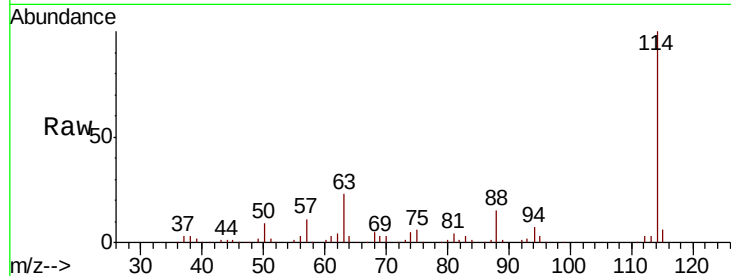




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064033.D
 Acq: 9 Oct 2020 13:03

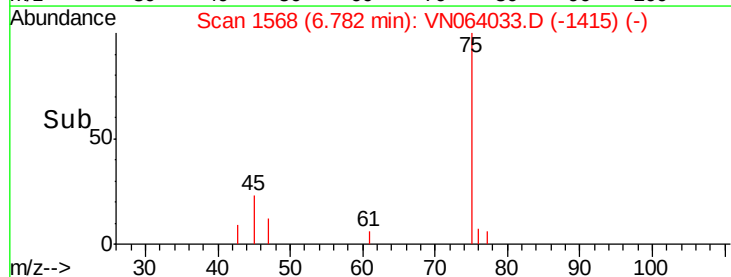
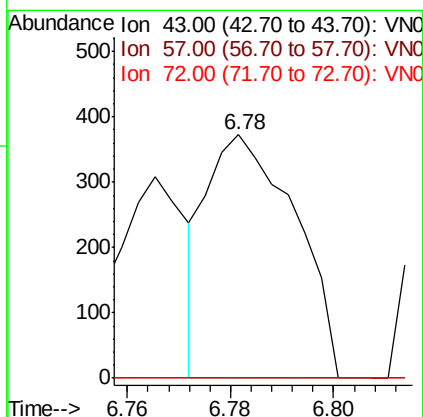
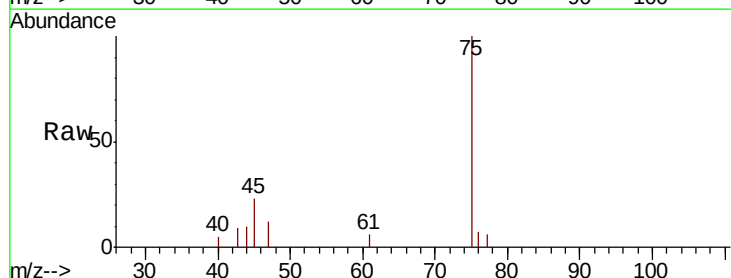
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

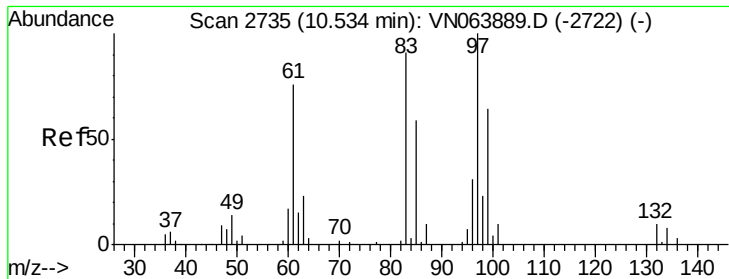
Tot Ion:114 Resp: 229115
 Ion Ratio Lower Upper
 114 100
 63 23.1 17.0 25.6
 88 16.5 12.6 18.8



#30
 2-Butanone
 Concen: 0.225 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. -0.01 min
 Lab File: VN064033.D
 Acq: 9 Oct 2020 13:03

Tgt Ion: 43 Resp: 442
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.6 9.8#
 72 0.0 21.3 31.9#

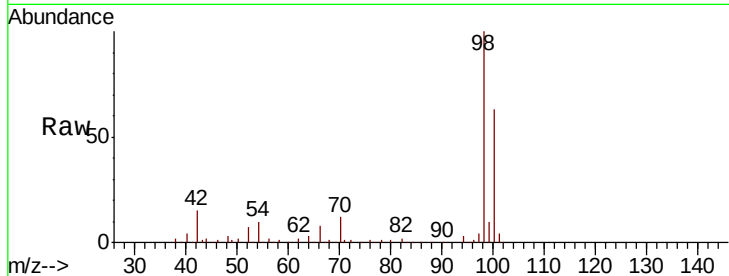




#50
 1,1,2-Trichloroethane
 Concen: 3.523 ug/l
 RT: 10.06 min Scan# 2589
 Delta R.T. -0.47 min
 Lab File: VN064033.D
 Acq: 9 Oct 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Tot Ion	Ratio	Lower	Upper
97	100		
83	3.9	69.9	104.9#
85	0.0	44.0	66.0#
99	264.9	50.6	76.0#

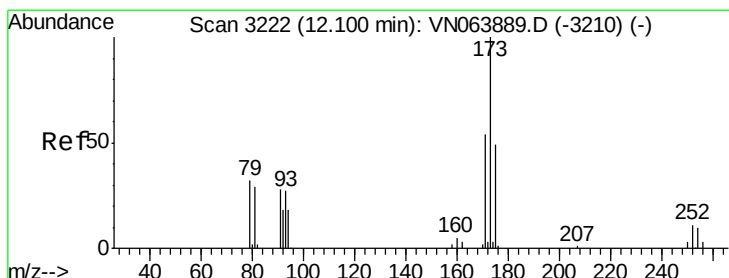
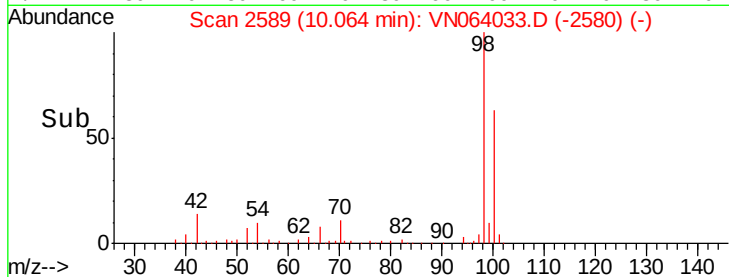
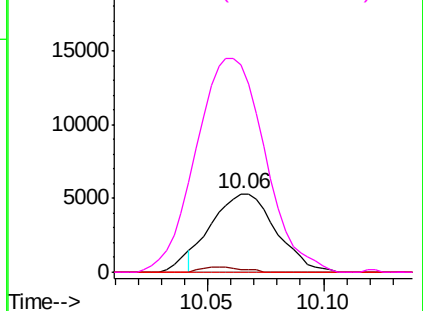


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 82.95 (82.65 to 83.65): VN0

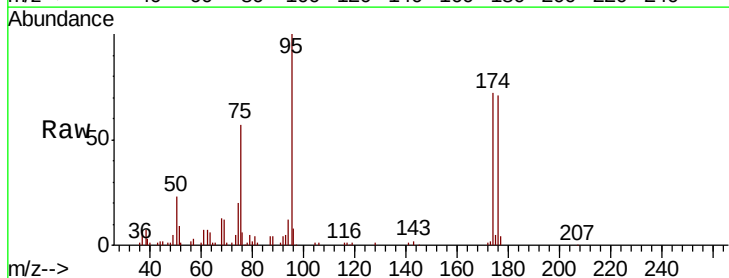
Ion 84.95 (84.65 to 85.65): VN0

Ion 98.95 (98.65 to 99.65): VN0



#56
 Bromoform
 Concen: 0.479 ug/l
 RT: 12.37 min Scan# 3306
 Delta R.T. 0.27 min
 Lab File: VN064033.D
 Acq: 9 Oct 2020 13:03

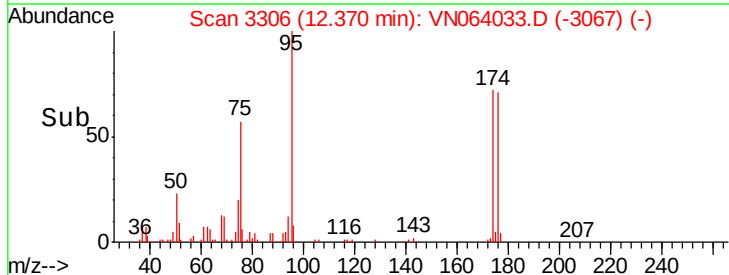
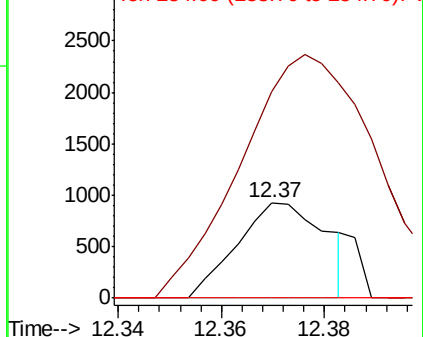
Tgt Ion	Ratio	Lower	Upper
173	100		
175	397.3	41.2	61.8#
254	0.0	9.0	13.4#

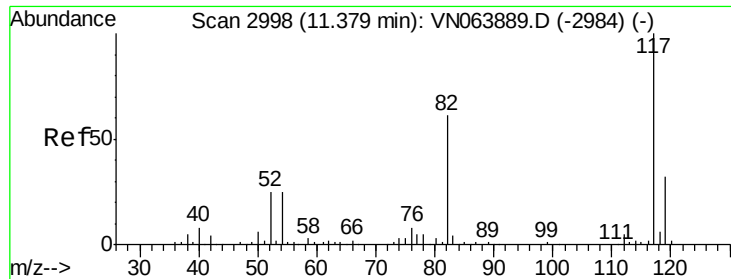


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V

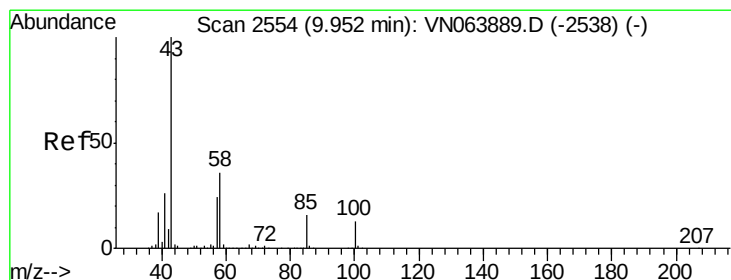
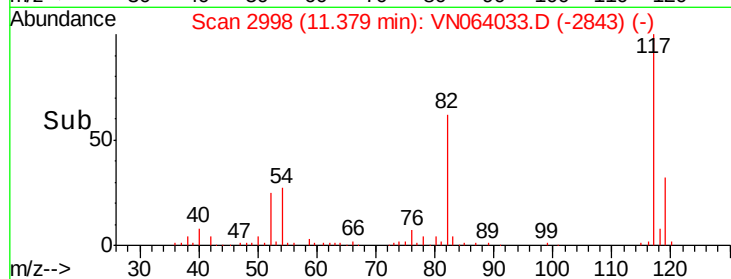
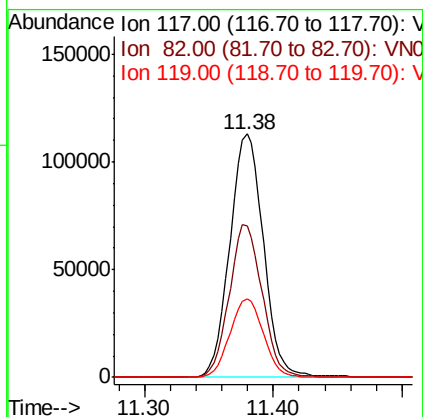
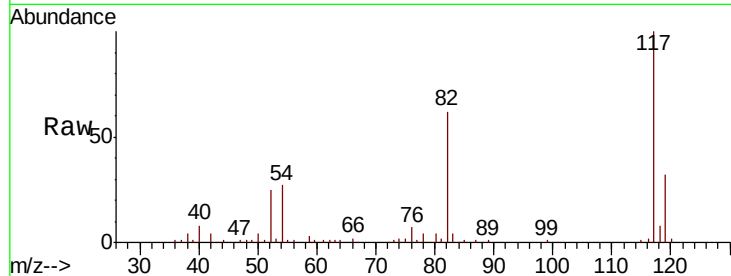




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064033.D
Acq: 9 Oct 2020 13:03

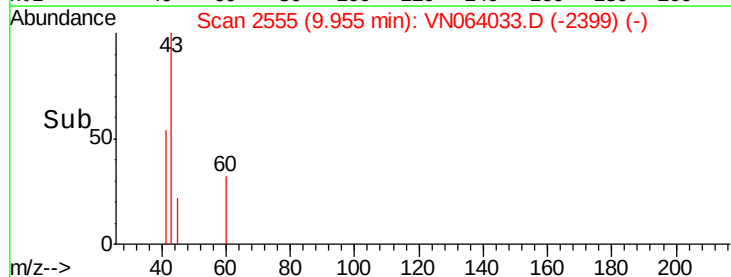
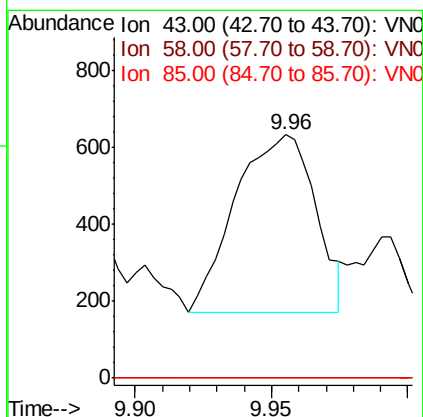
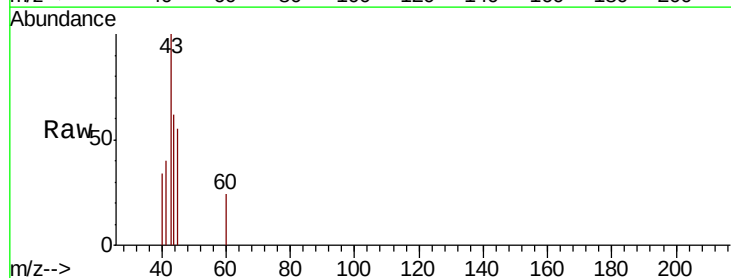
Instrument :
MSVOA_N
ClientSampled :
VN1009WBL01

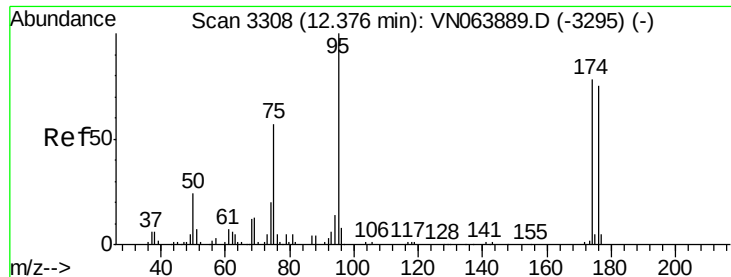
Tot Ion:117 Resp: 204524
Ion Ratio Lower Upper
117 100
82 61.7 44.9 67.3
119 32.2 26.0 39.0



#58
4-Methyl-2-Pentanone
Concen: 0.236 ug/l
RT: 9.96 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN064033.D
Acq: 9 Oct 2020 13:03

Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 0.0 31.4 47.0#
85 0.0 13.4 20.2#





#60

4-Bromofluorobenzene

Concen: 24.532 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064033.D

Acq: 9 Oct 2020 13:03

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL01

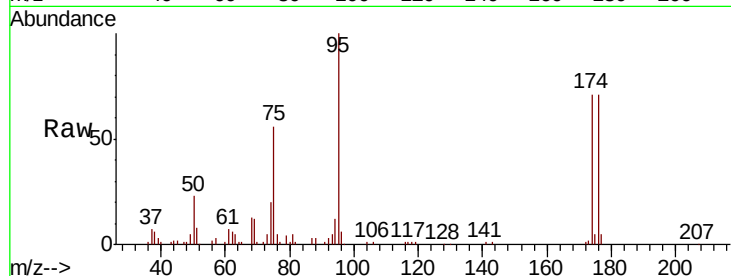
Tot Ion: 95 Resp: 85804

Ion Ratio Lower Upper

95 100

174 71.6 70.1 105.1

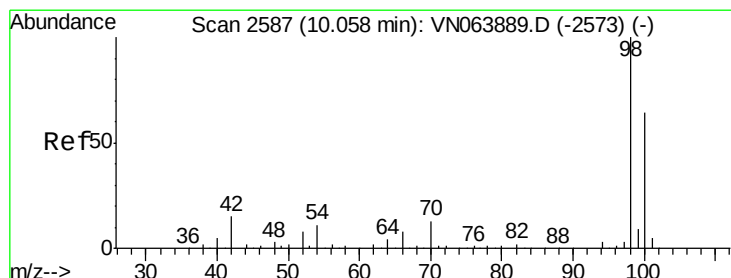
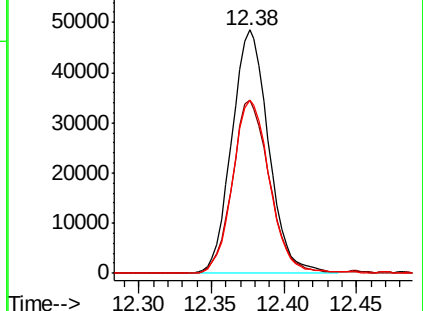
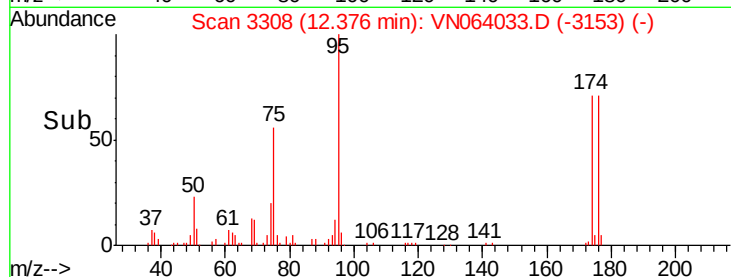
176 71.4 66.8 100.2



Abundance Ion 95.00 (94.70 to 95.70): VN064033.D (-3153) (-)

Ion 174.00 (173.70 to 174.70): VN064033.D (-3153) (-)

Ion 176.00 (175.70 to 176.70): VN064033.D (-3153) (-)



#63

Toluene-d8

Concen: 29.945 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064033.D

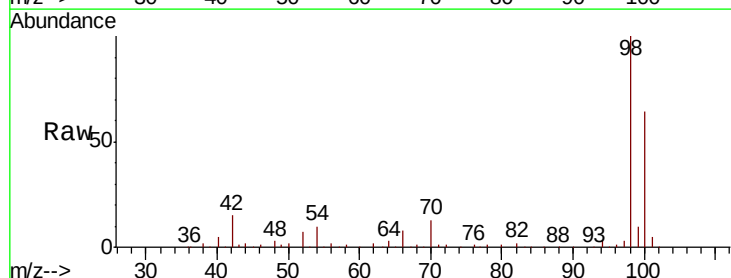
Acq: 9 Oct 2020 13:03

Tgt Ion: 98 Resp: 277553

Ion Ratio Lower Upper

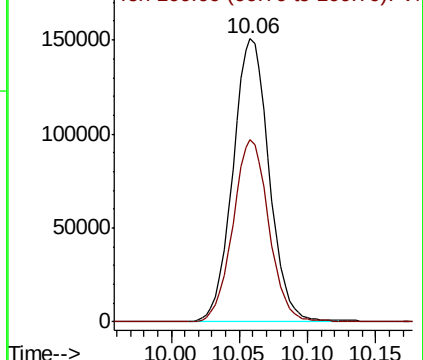
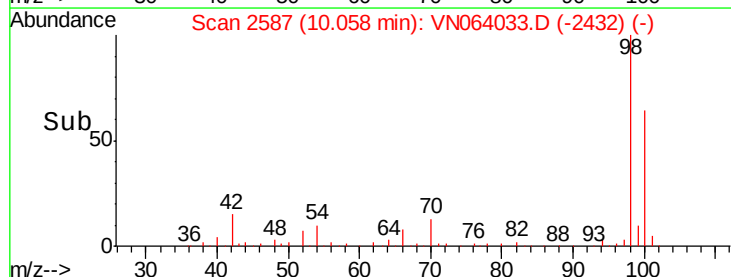
98 100

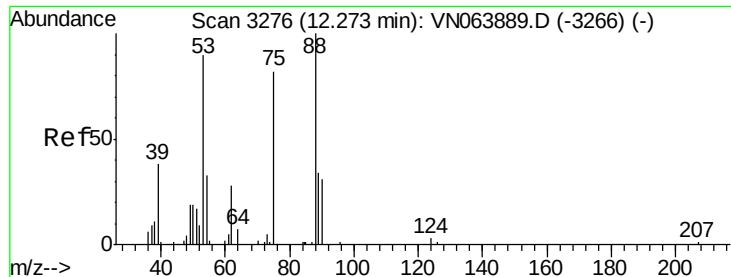
100 63.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN064033.D (-2432) (-)

Ion 100.00 (99.70 to 100.70): VN064033.D (-2432) (-)





#77
 t-1,4-Dichloro-2-butene
 Concen: 34.123 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064033.D
 Acq: 9 Oct 2020 13:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL01

Tot Ion: 75 Resp: 47506
 Ion Ratio Lower Upper
 75 100
 53 0.0 47.0 141.0#
 89 0.0 22.9 68.7#

