

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071420\
 Data File : VN062521.D
 Acq On : 14 Jul 2020 10:39
 Operator : JC/MD
 Sample : VN0714WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBL01

Quant Time: Jul 15 00:49:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071320W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Jul 14 00:52:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	41922	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	225912	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	197890	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	7.99	65	107857	29.95	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	99.83%	
60) 4-Bromofluorobenzene	12.38	95	84464	25.08	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	83.60%	
63) Toluene-d8	10.06	98	282225	30.18	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	100.60%	

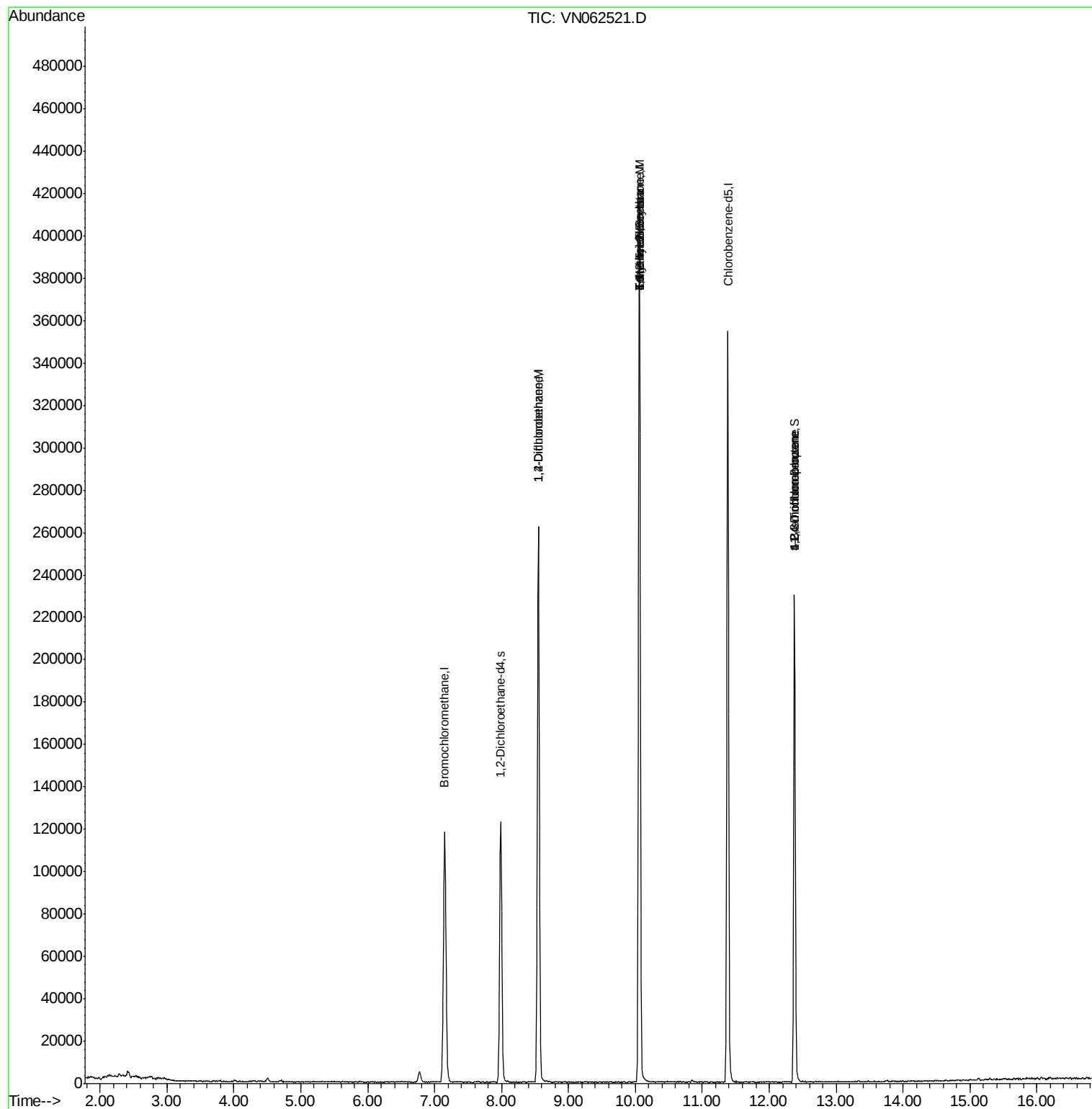
Target Compounds					Ovalue
36) 1,2-Dichloroethane	8.55	62	8312	2.031 ug/l #	77
50) 1,1,2-Trichloroethane	10.07	97	10231	3.905 ug/l #	1
51) Ethyl methacrylate	10.06	69	1111	0.252 ug/l #	76
58) 4-Methyl-2-Pentanone	10.06	43	1268	0.329 ug/l #	1
72) 1,2,3-Trichloropropane	12.38	75	43057	11.782 ug/l	1
77) t-1,4-Dichloro-2-butene	12.38	75	43057	31.503 ug/l #	11

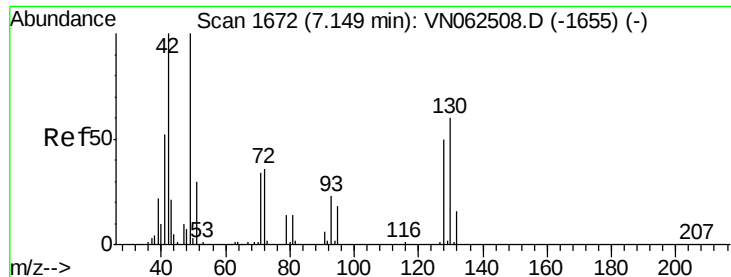
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062521.D

Acq: 14 Jul 2020 10:39

Instrument :

MSVOA_N

ClientSampled :

VN0714WBL01

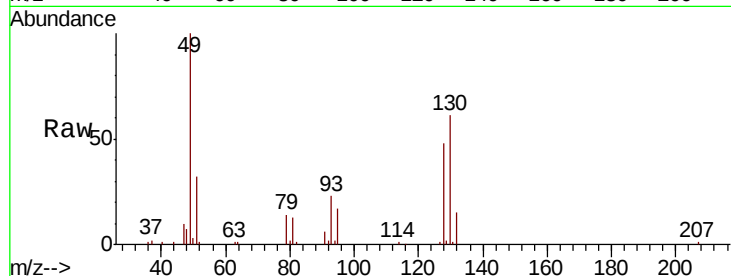
Tot Ion:128 Resp: 41922

Ion Ratio Lower Upper

128 100

49 209.8 0.0 525.0

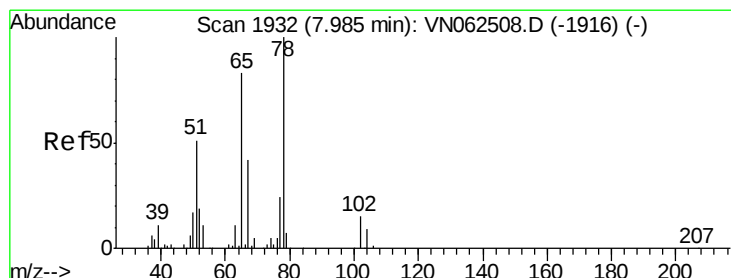
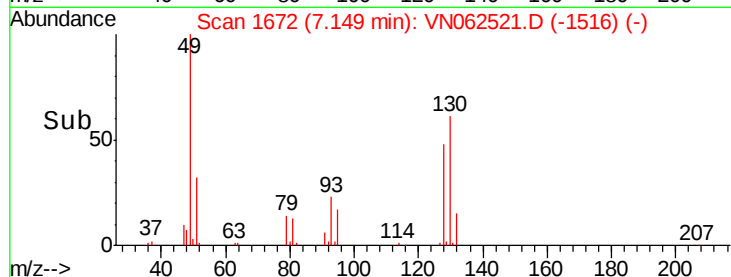
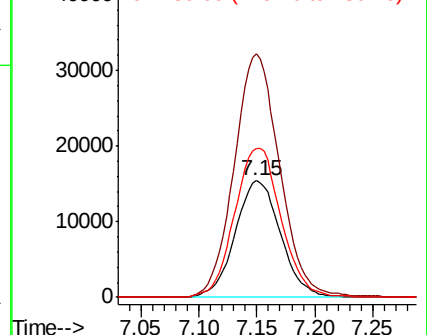
130 131.3 0.0 319.8



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



#27

1,2-Dichloroethane-d4

Concen: 29.949 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062521.D

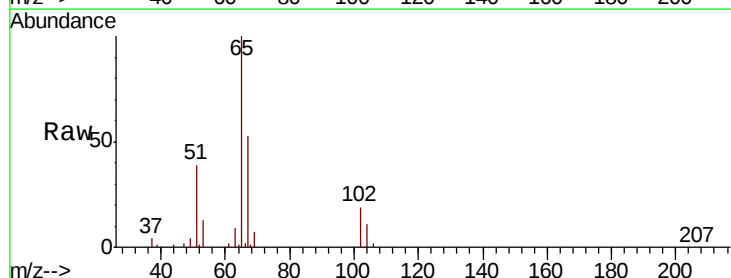
Acq: 14 Jul 2020 10:39

Tgt Ion: 65 Resp: 107857

Ion Ratio Lower Upper

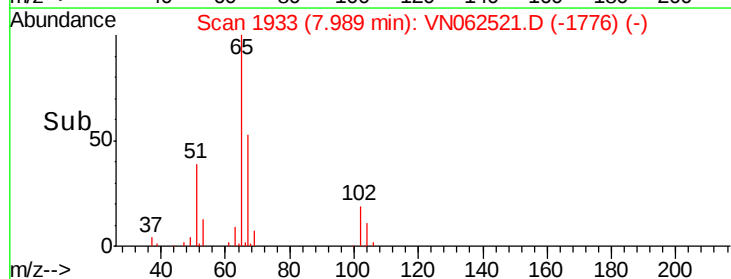
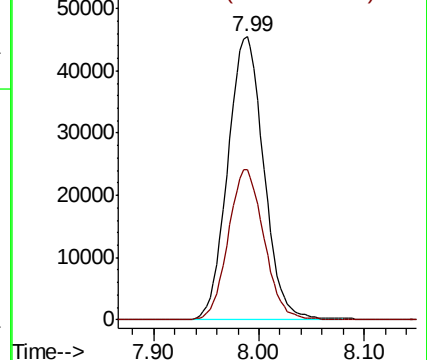
65 100

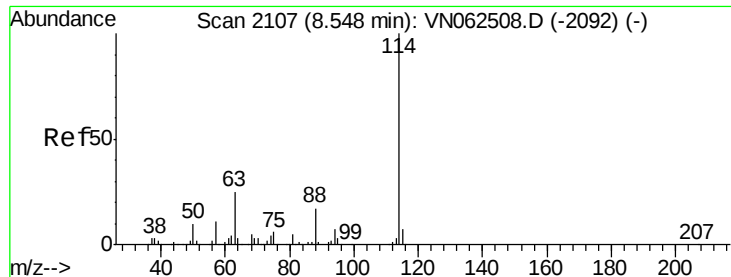
67 52.3 41.7 62.5



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

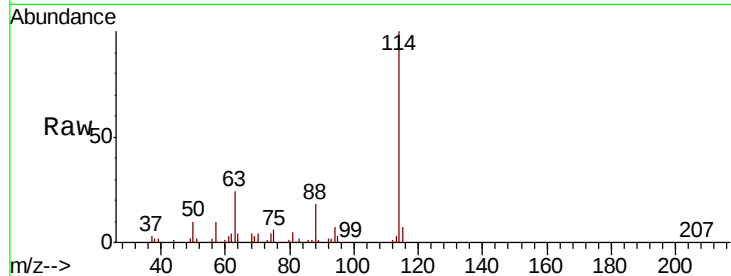




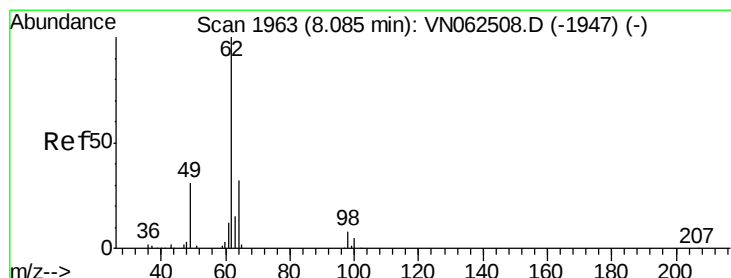
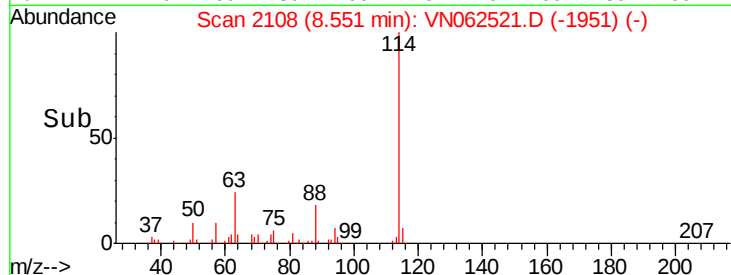
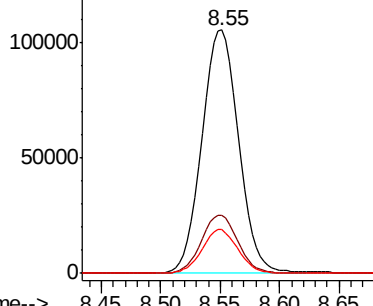
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062521.D
 Acq: 14 Jul 2020 10:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0714WBL01

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.4	29.0
88	17.6	13.5	20.3

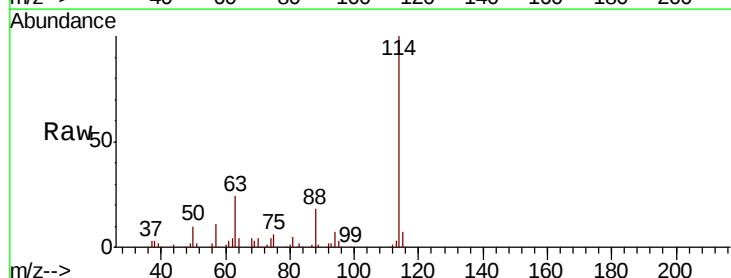


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 88.00 (87.70 to 88.70): VNO

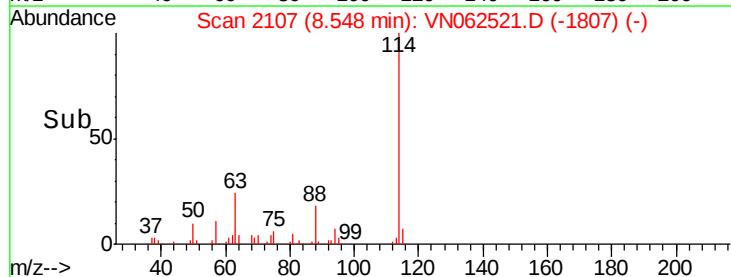
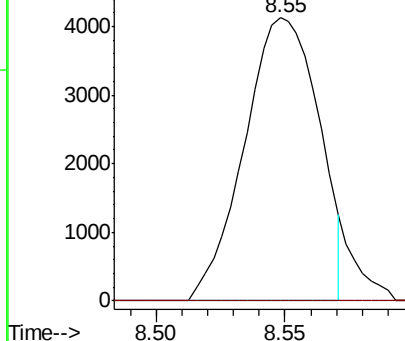


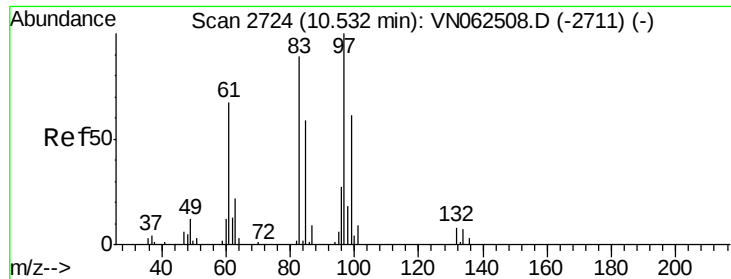
#36
 1,2-Dichloroethane
 Concen: 2.031 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. 0.46 min
 Lab File: VN062521.D
 Acq: 14 Jul 2020 10:39

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	9.8#



Abundance Ion 62.00 (61.70 to 62.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO

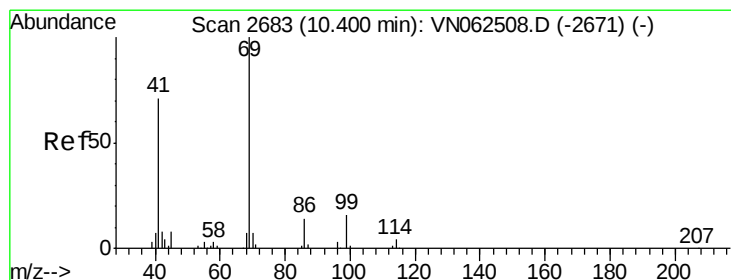
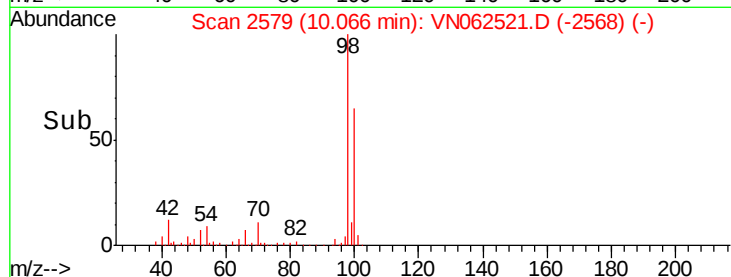
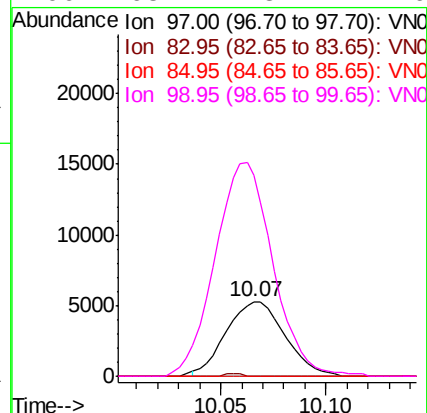
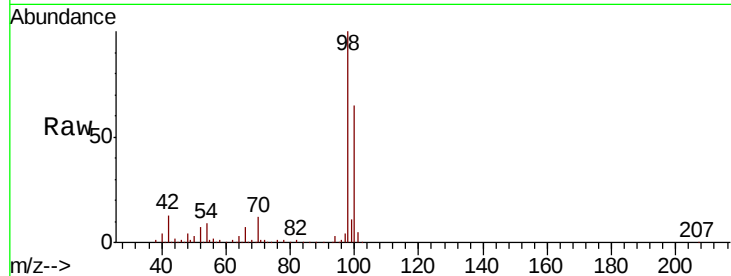




#50
 1,1,2-Trichloroethane
 Concen: 3.905 ug/l
 RT: 10.07 min Scan# 2579
 Delta R.T. -0.47 min
 Lab File: VN062521.D
 Acq: 14 Jul 2020 10:39

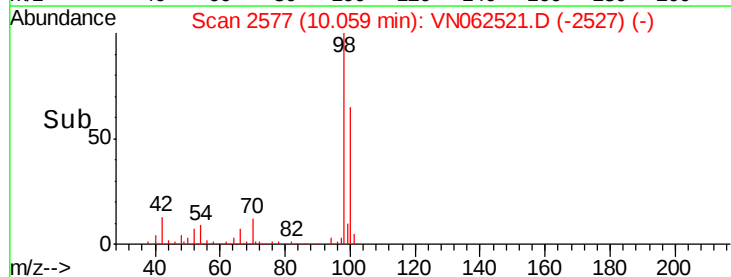
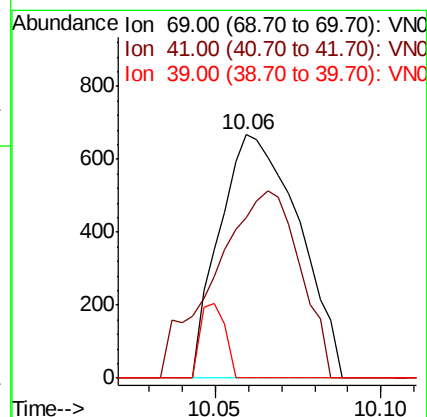
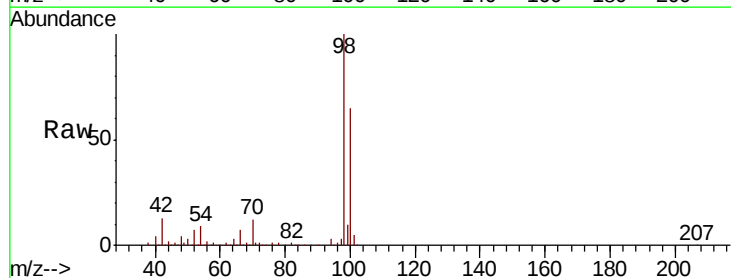
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBL01

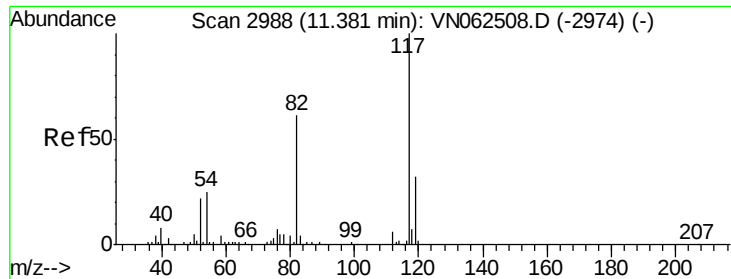
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	0.0	71.3	106.9#	
85	0.0	47.2	70.8#	
99	263.7	48.4	72.6#	



#51
 Ethyl methacrylate
 Concen: 0.252 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.34 min
 Lab File: VN062521.D
 Acq: 14 Jul 2020 10:39

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	66.0	35.6	106.8	
39	0.0	17.2	51.5#	

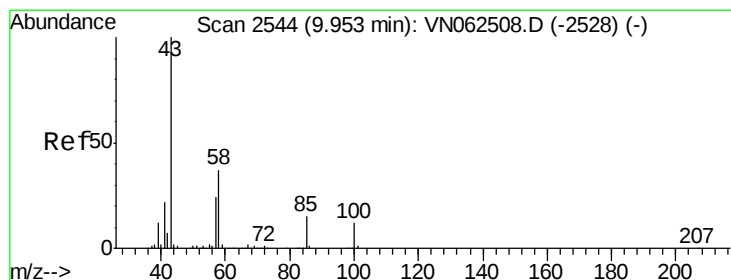
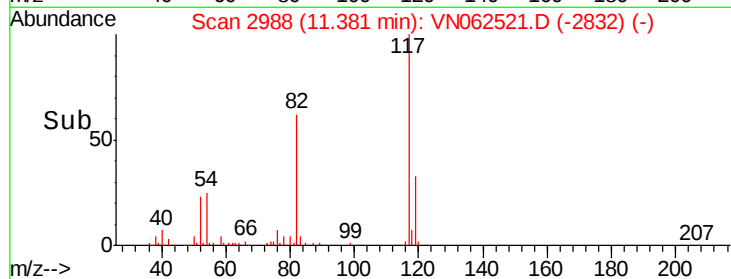
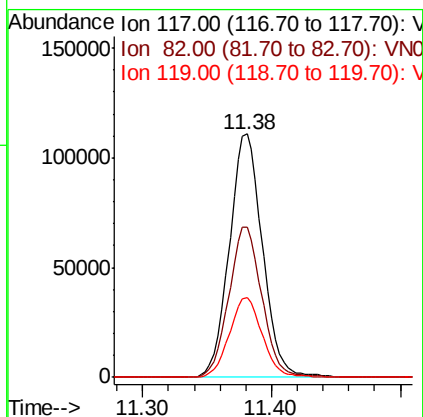
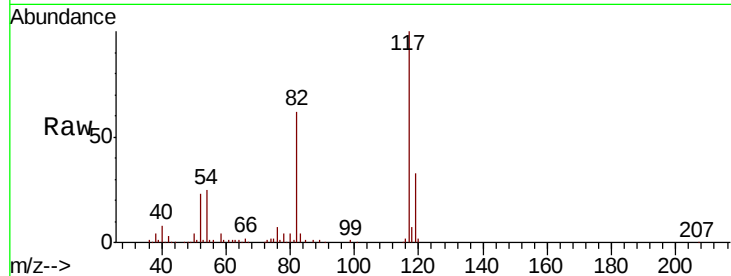




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062521.D
Acq: 14 Jul 2020 10:39

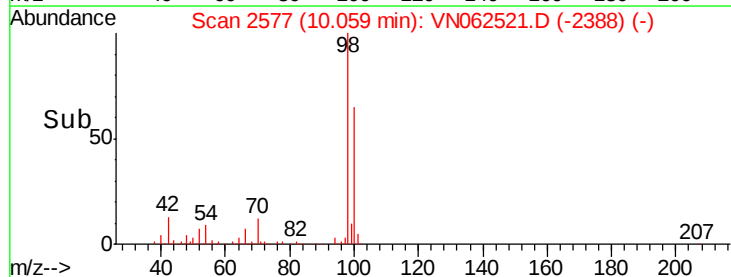
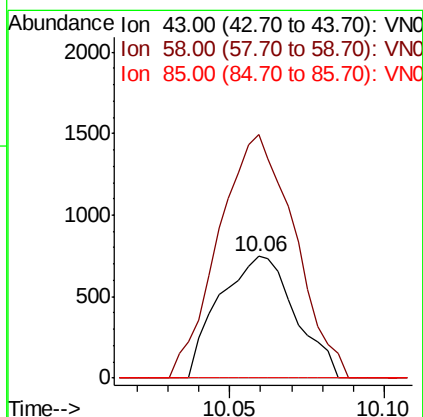
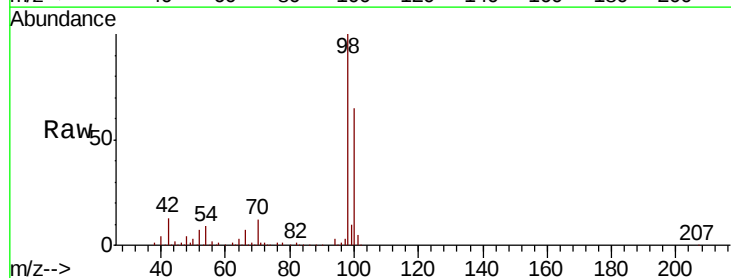
Instrument :
MSVOA_N
ClientSampled :
VN0714WBL01

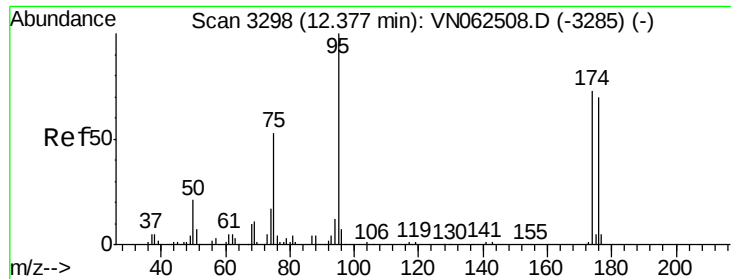
Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	49.0	73.6
119	32.6	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 0.329 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.11 min
Lab File: VN062521.D
Acq: 14 Jul 2020 10:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	201.3	29.6	44.4#
85	0.0	12.0	18.0#

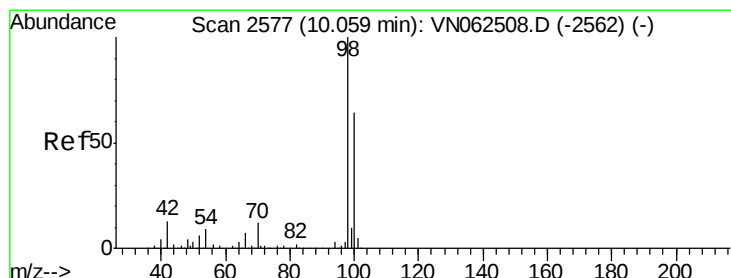
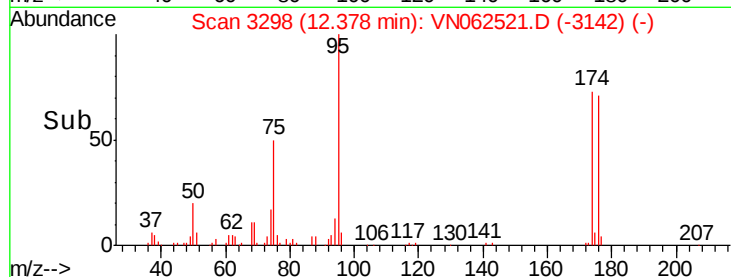
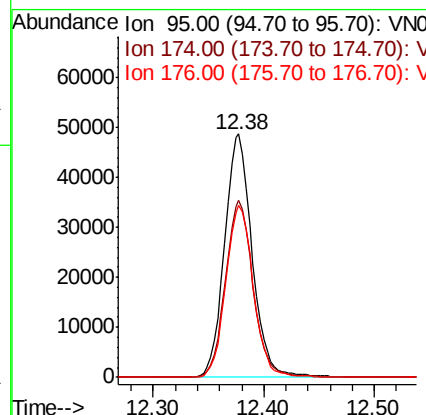
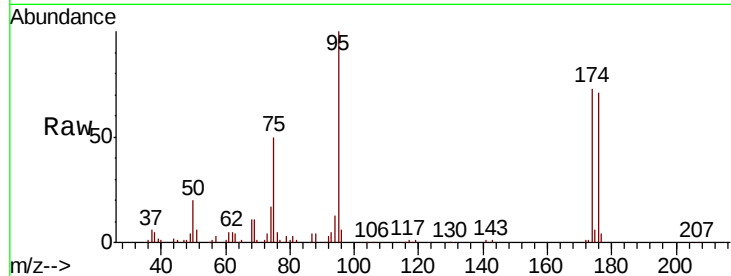




#60
4-Bromofluorobenzene
Concen: 25.081 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062521.D
Acq: 14 Jul 2020 10:39

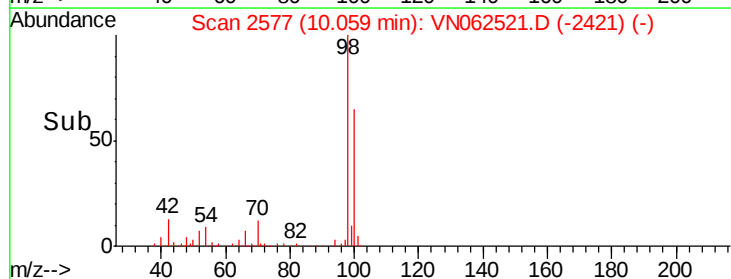
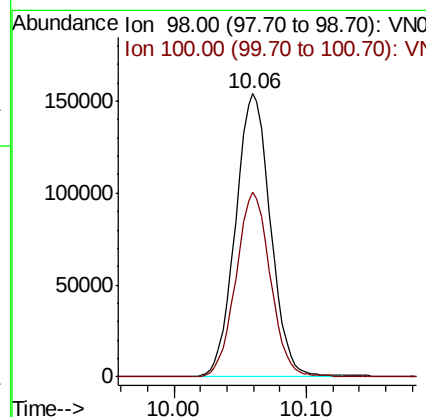
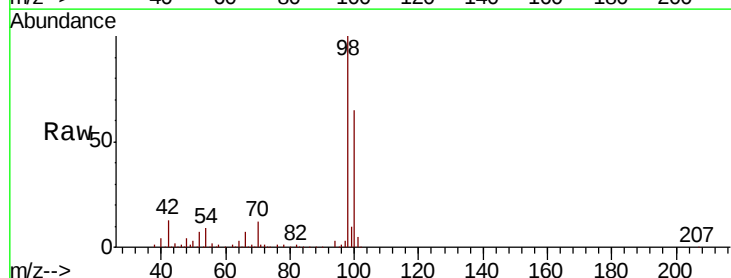
Instrument :
MSVOA_N
ClientSampleId :
VN0714WBL01

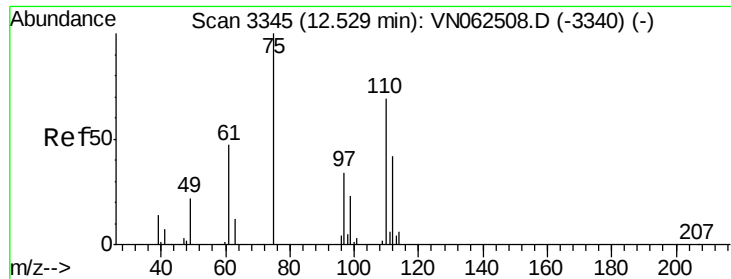
Tot Ion: 95 Resp: 84464
Ion Ratio Lower Upper
95 100
174 72.7 57.5 86.3
176 70.8 56.3 84.5



#63
Toluene-d8
Concen: 30.182 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062521.D
Acq: 14 Jul 2020 10:39

Tgt Ion: 98 Resp: 282225
Ion Ratio Lower Upper
98 100
100 64.3 50.4 75.6





#72

1,2,3-Trichloropropane

Concen: 11.782 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062521.D

Acq: 14 Jul 2020 10:39

Instrument :

MSVOA_N

ClientSampled :

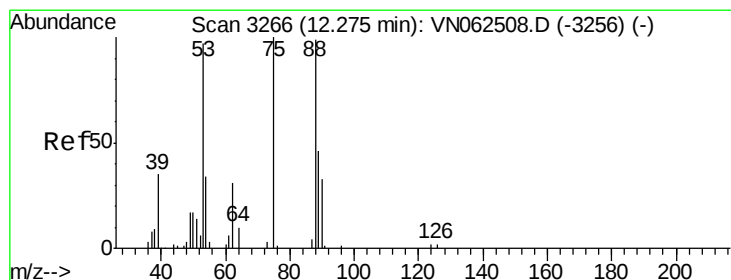
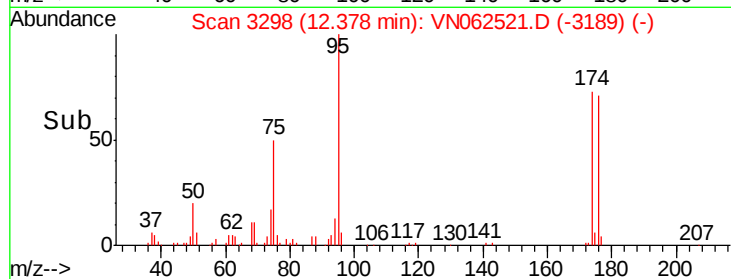
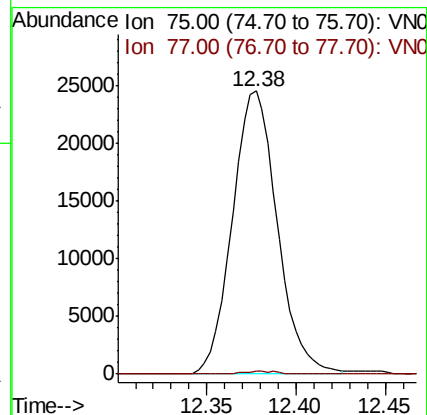
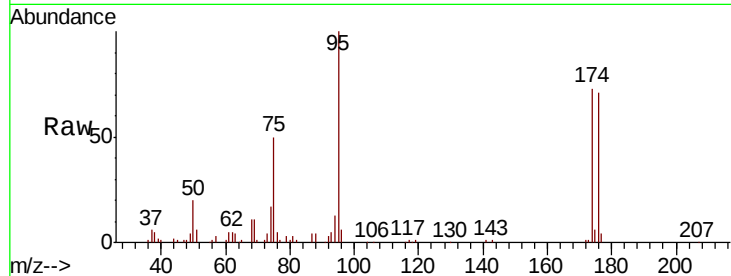
VN0714WBL01

Tot Ion: 75 Resp: 43057

Ion Ratio Lower Upper

75 100

77 0.6 0.0 376.2



#77

t-1,4-Dichloro-2-butene

Concen: 31.503 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062521.D

Acq: 14 Jul 2020 10:39

Tgt Ion: 75 Resp: 43057

Ion Ratio Lower Upper

75 100

53 0.0 48.3 144.8#

89 0.0 23.3 69.8#

