

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081420\
 Data File : VN062935.D
 Acq On : 14 Aug 2020 12:41
 Operator : JC/MD
 Sample : VN0814WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

Quant Time: Aug 14 14:43:15 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	25221	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	122991	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	115986	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	70587	31.33	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.43%
60) 4-Bromofluorobenzene	12.38	95	45748	22.40	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	74.67%
63) Toluene-d8	10.06	98	154932	28.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.23%

Target Compounds

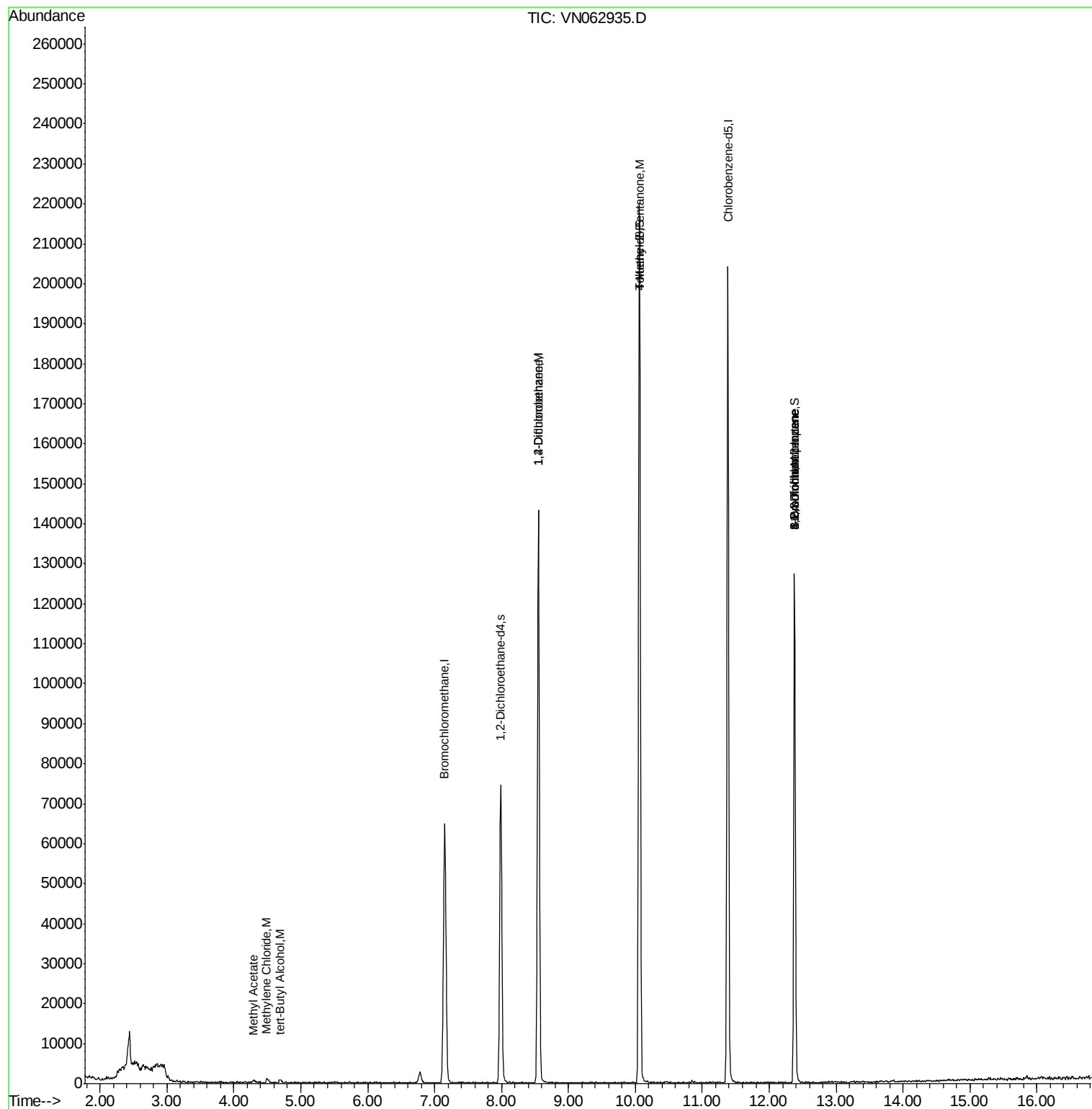
					Qvalue	
12) Methyl Acetate	4.29	43	1266	0.718	ug/l #	53
18) Methylene Chloride	4.50	84	438	0.291	ug/l #	78
23) tert-Butyl Alcohol	4.69	59	424	1.288	ug/l #	100
36) 1,2-Dichloroethane	8.55	62	4323	1.825	ug/l #	78
56) Bromoform	12.38	173	357	0.290	ug/l #	1
58) 4-Methyl-2-Pentanone	10.06	43	596	0.295	ug/l #	1
72) 1,2,3-Trichloropropane	12.38	75	23965	10.678	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	23965	33.161	ug/l #	8

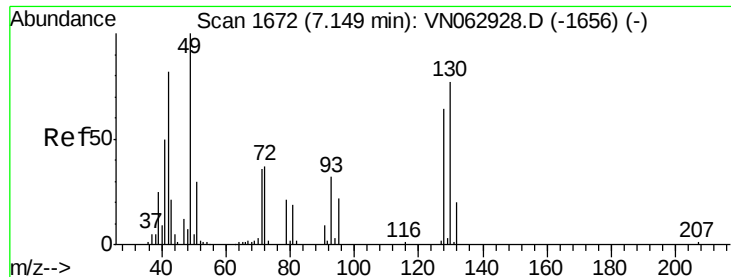
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 14 06:20:27 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1673

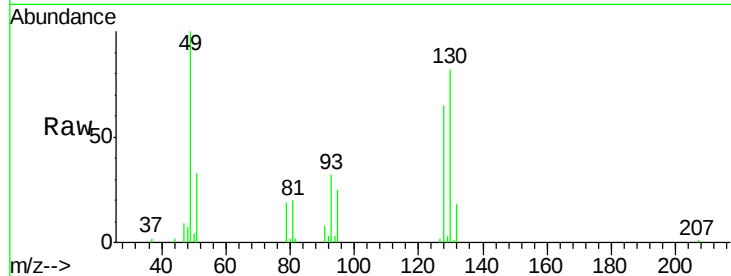
Delta R.T. 0.00 min

Lab File: VN062935.D

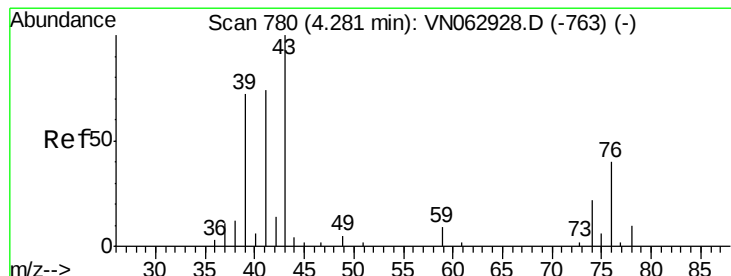
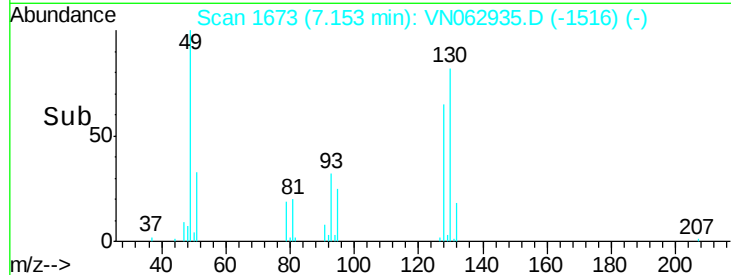
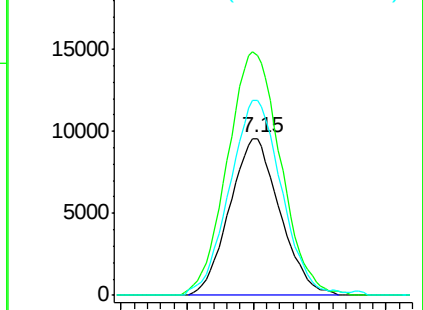
Acq: 14 Aug 2020 12:41

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion:	128	Resp:	25221
Ion	Ratio	Lower	Upper
128	100		
49	164.4	0.0	410.0
130	129.1	0.0	316.5



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



#12

Methyl Acetate

Concen: 0.718 ug/l

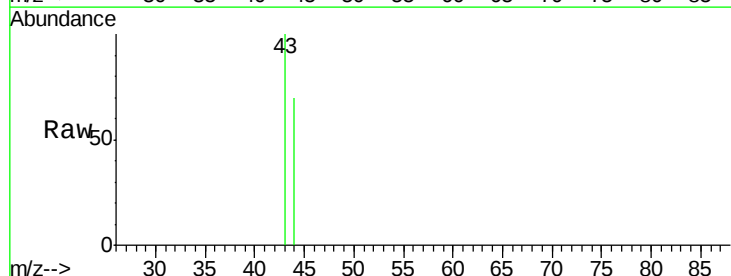
RT: 4.29 min Scan# 784

Delta R.T. 0.01 min

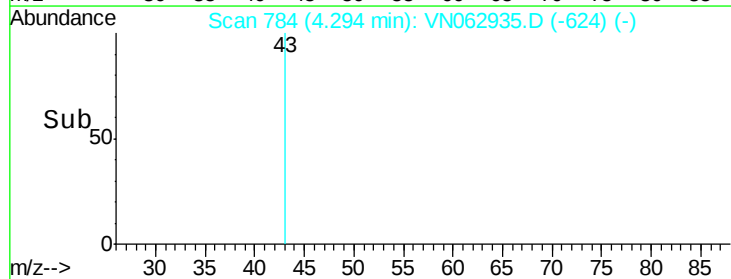
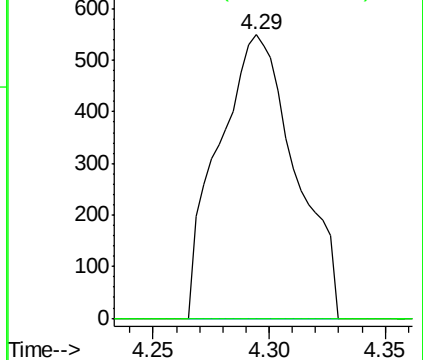
Lab File: VN062935.D

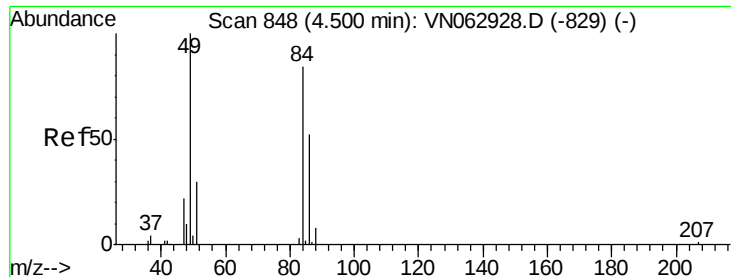
Acq: 14 Aug 2020 12:41

Tgt Ion:	43	Resp:	1266
Ion	Ratio	Lower	Upper
43	100		
74	0.0	18.1	27.1#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN

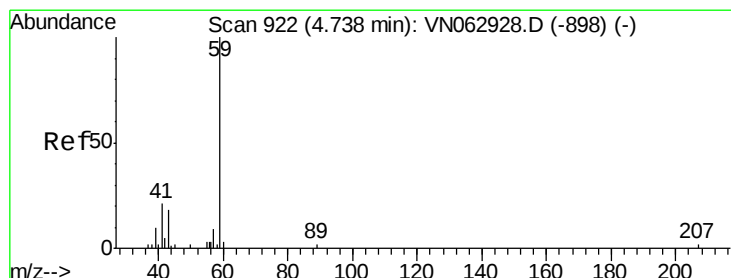
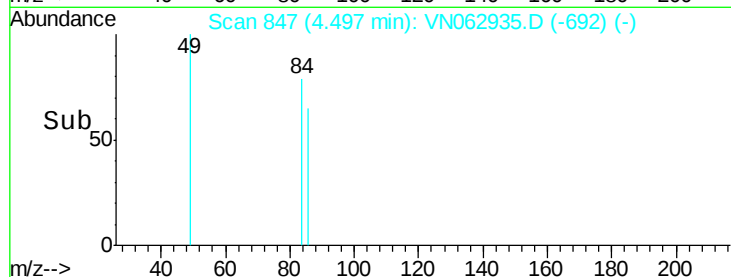
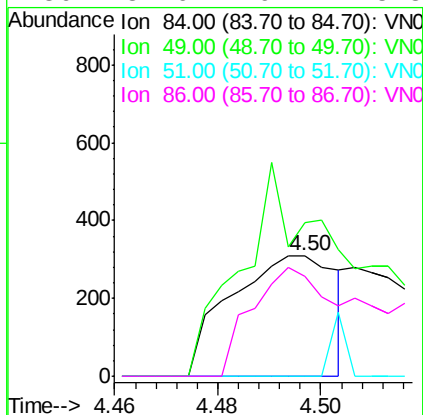
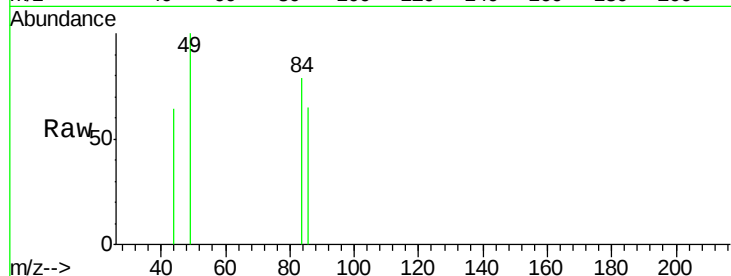




#18
Methylene Chloride
Concen: 0.291 ug/l
RT: 4.50 min Scan# 847
Delta R.T. -0.00 min
Lab File: VN062935.D
Acq: 14 Aug 2020 12:41

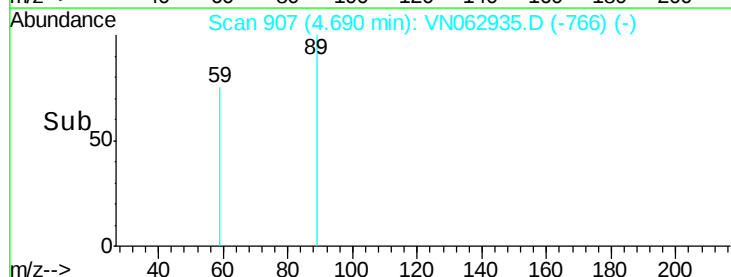
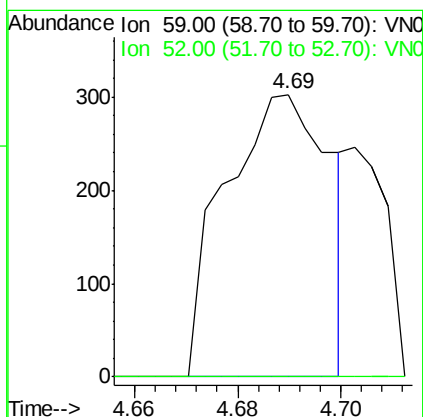
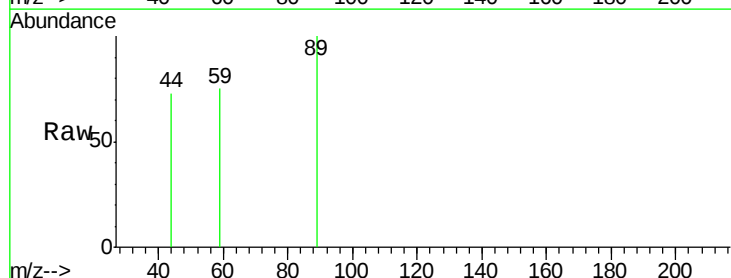
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

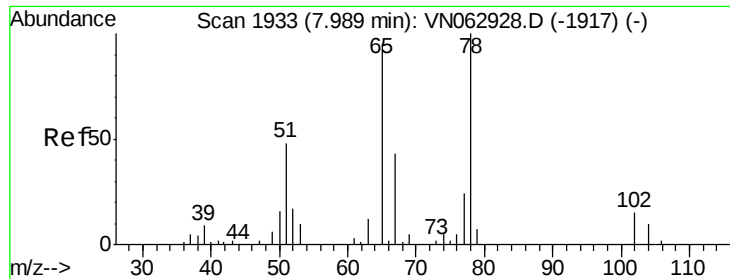
Tgt Ion: 84 Resp: 438
Ion Ratio Lower Upper
84 100
49 127.0 95.0 142.6
51 0.0 28.2 42.4#
86 82.6 49.2 73.8#



#23
tert-Butyl Alcohol
Concen: 1.288 ug/l
RT: 4.69 min Scan# 907
Delta R.T. -0.05 min
Lab File: VN062935.D
Acq: 14 Aug 2020 12:41

Tgt Ion: 59 Resp: 424
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

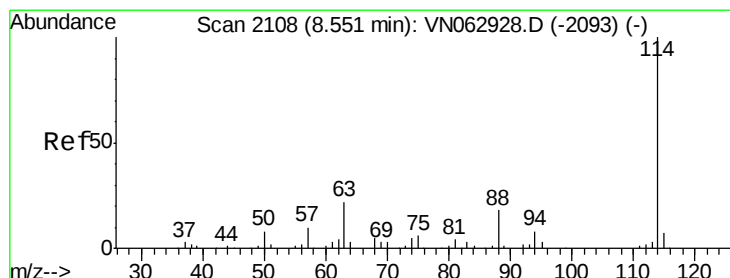
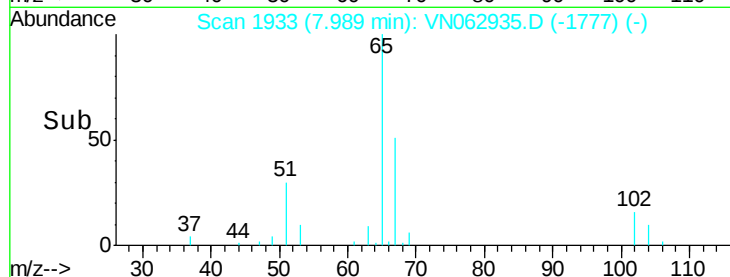
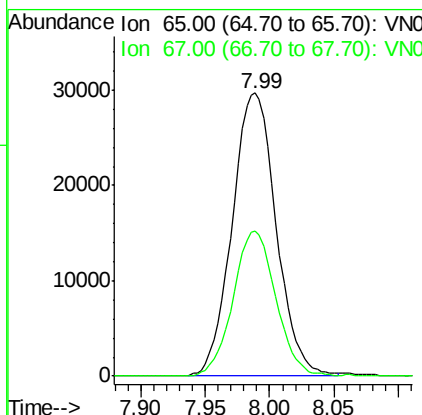
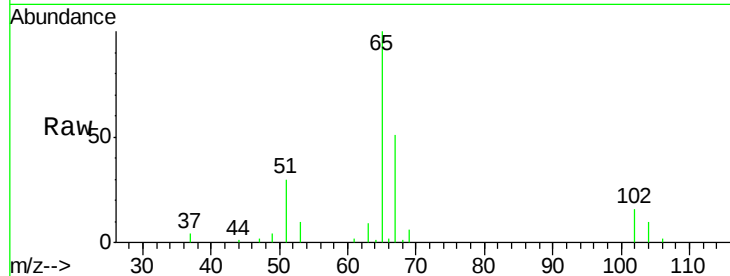




#27
 1,2-Dichloroethane-d4
 Concen: 31.331 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062935.D
 Acq: 14 Aug 2020 12:41

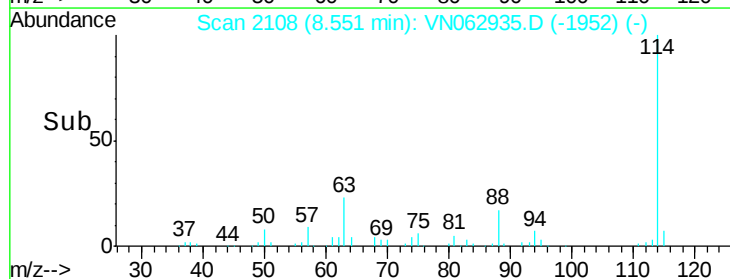
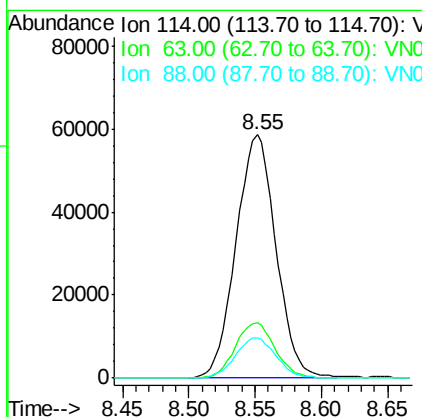
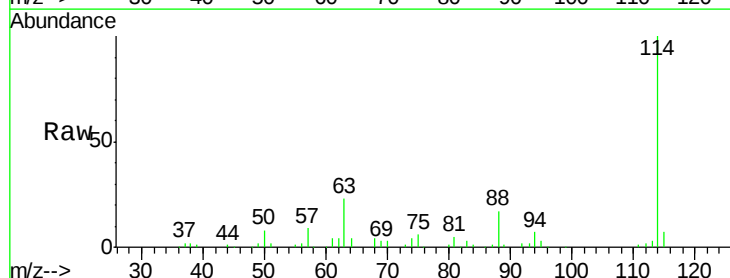
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

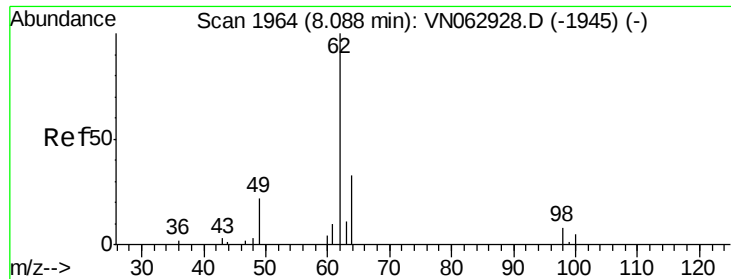
Tgt Ion: 65 Resp: 70587
 Ion Ratio Lower Upper
 65 100
 67 49.6 39.5 59.3



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062935.D
 Acq: 14 Aug 2020 12:41

Tgt Ion: 114 Resp: 122991
 Ion Ratio Lower Upper
 114 100
 63 22.6 17.7 26.5
 88 16.8 13.9 20.9

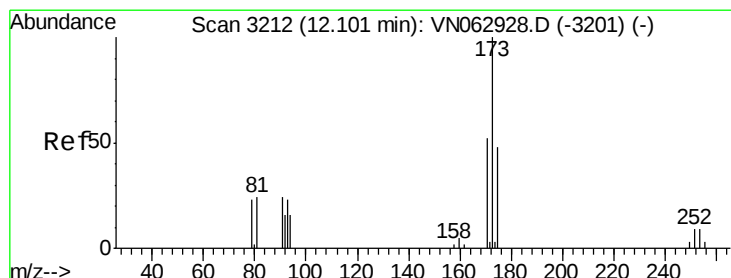
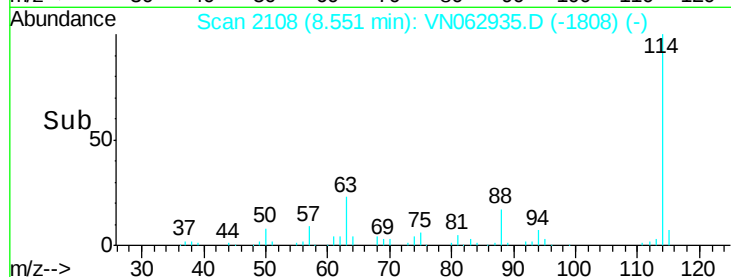
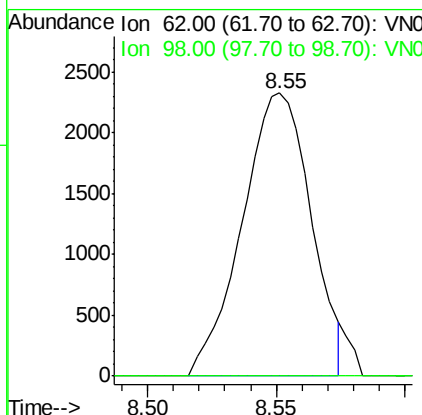
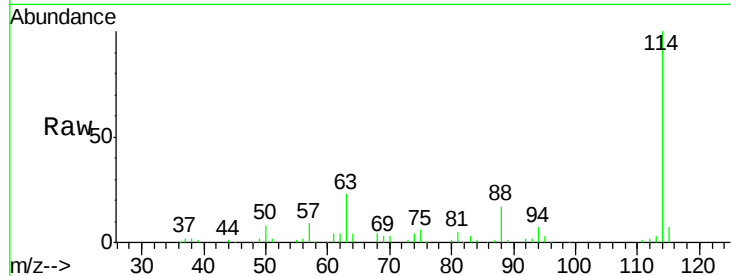




#36
 1,2-Dichloroethane
 Concen: 1.825 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.46 min
 Lab File: VN062935.D
 Acq: 14 Aug 2020 12:41

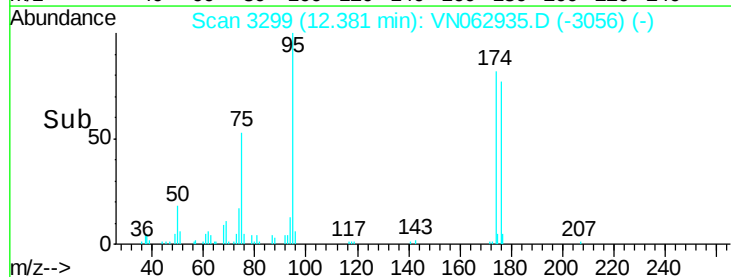
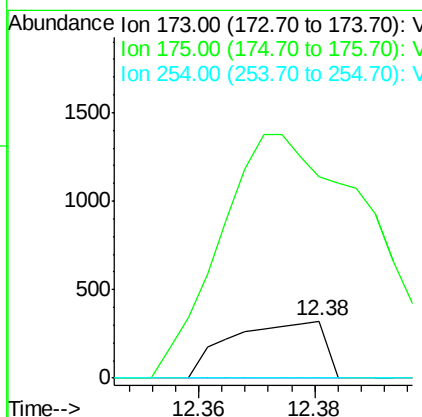
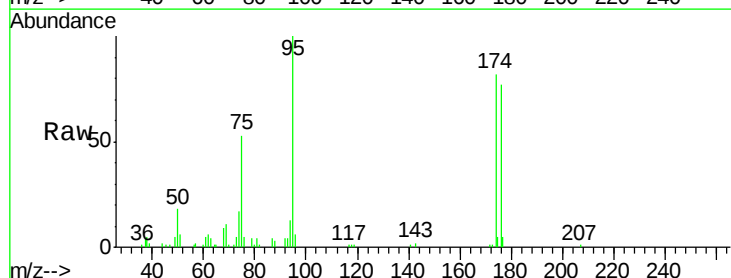
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBL01

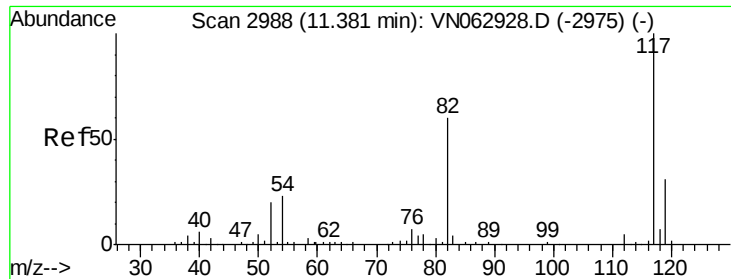
Tgt Ion: 62 Resp: 4323
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.1 9.1#



#56
 Bromoform
 Concen: 0.290 ug/l
 RT: 12.38 min Scan# 3299
 Delta R.T. 0.28 min
 Lab File: VN062935.D
 Acq: 14 Aug 2020 12:41

Tgt Ion: 173 Resp: 357
 Ion Ratio Lower Upper
 173 100
 175 699.4 37.8 56.6#
 254 0.0 6.9 10.3#

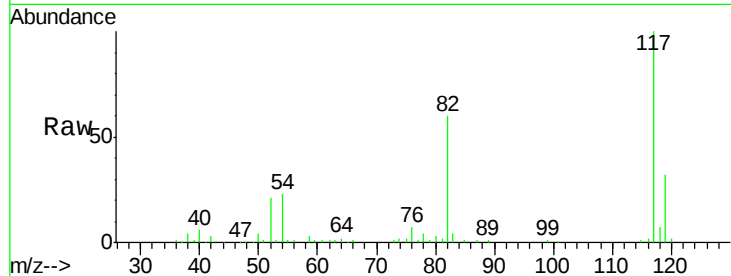




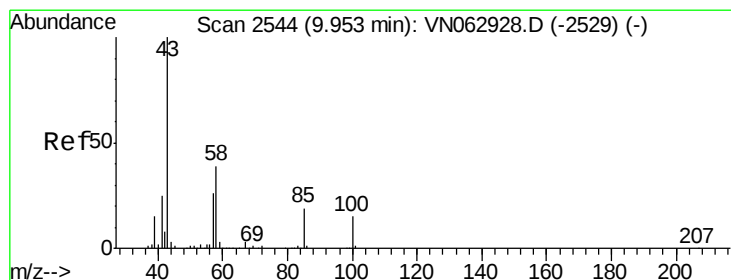
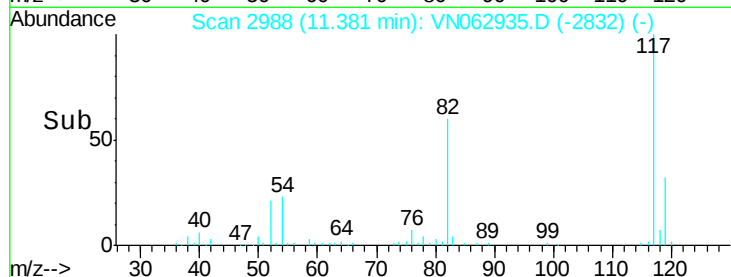
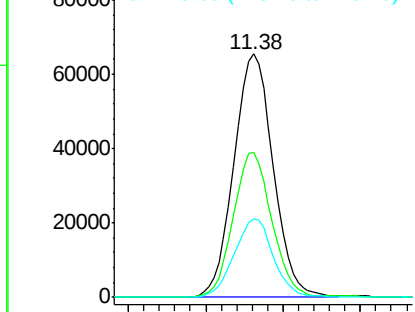
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062935.D
Acq: 14 Aug 2020 12:41

Instrument :
MSVOA_N
ClientSampled :
VN0814WBL01

Tgt Ion: 117 Resp: 115986
Ion Ratio Lower Upper
117 100
82 57.9 47.5 71.3
119 32.0 26.0 39.0

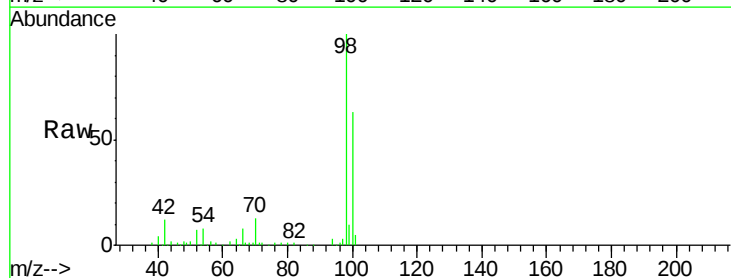


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

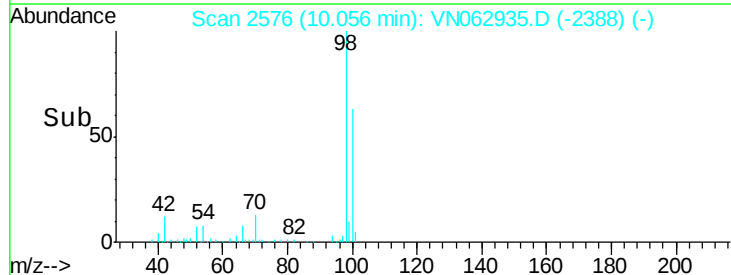
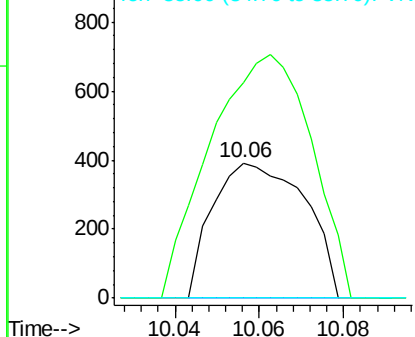


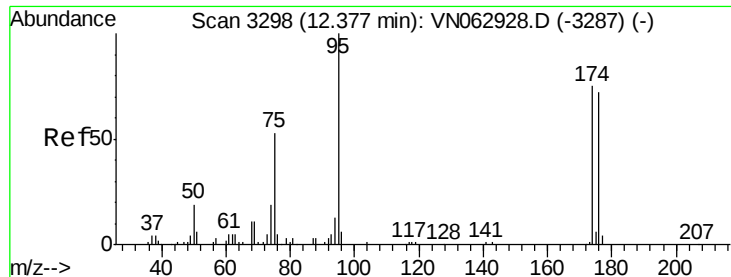
#58
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 10.06 min Scan# 2576
Delta R.T. 0.10 min
Lab File: VN062935.D
Acq: 14 Aug 2020 12:41

Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
58 198.3 31.3 46.9#
85 0.0 15.2 22.8#



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

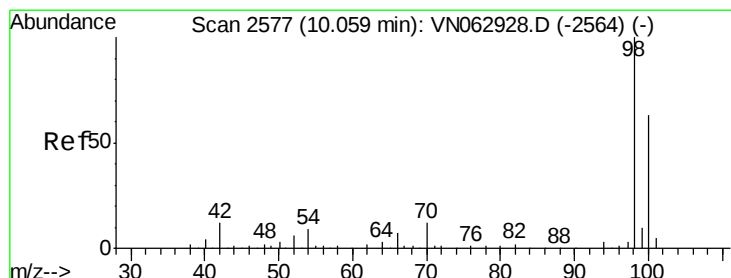
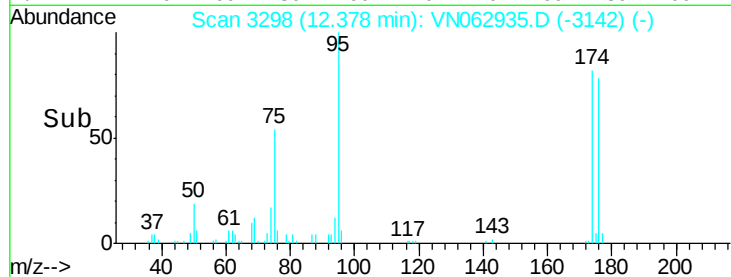
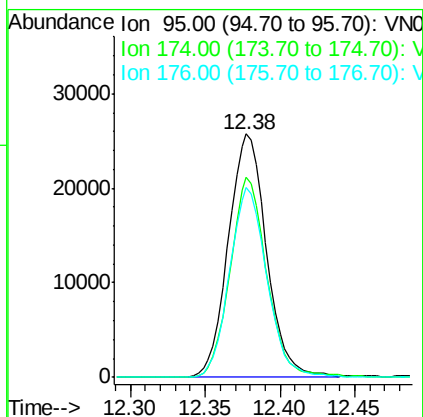
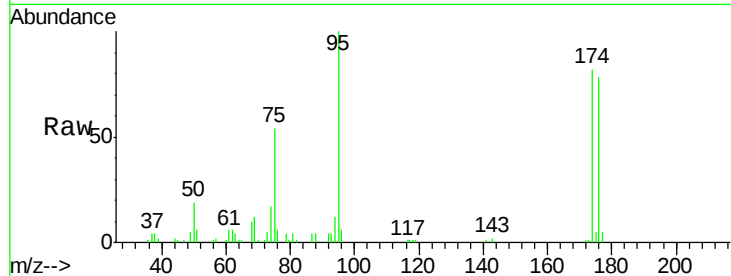




#60
4-Bromofluorobenzene
Concen: 22.397 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062935.D
Acq: 14 Aug 2020 12:41

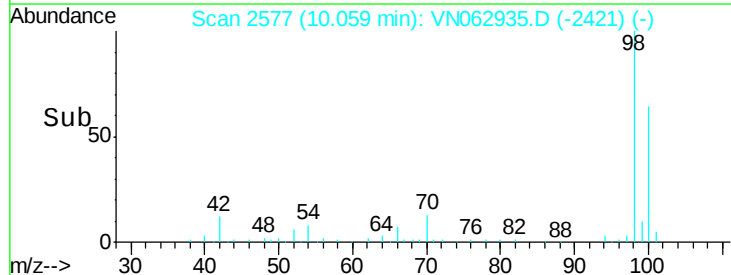
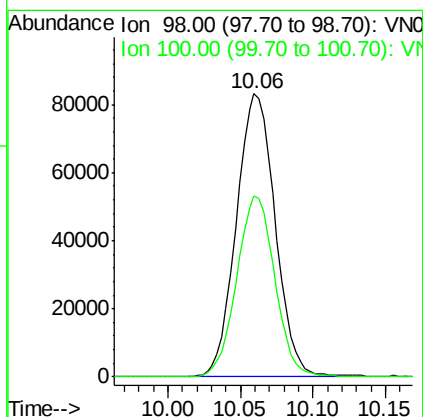
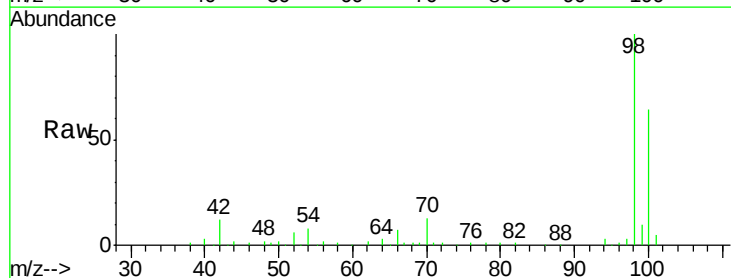
Instrument :
MSVOA_N
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VN0814WBL01

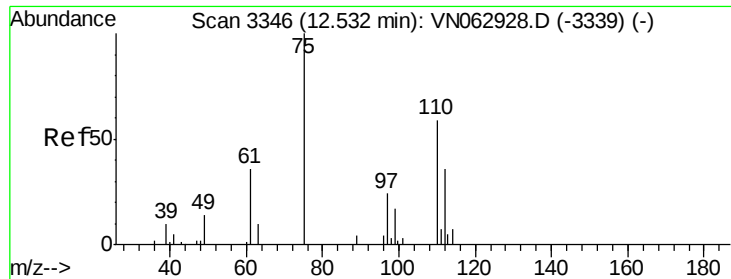
Tgt Ion: 95 Resp: 45748
Ion Ratio Lower Upper
95 100
174 78.4 60.9 91.3
176 76.0 57.8 86.8



#63
Toluene-d8
Concen: 28.567 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062935.D
Acq: 14 Aug 2020 12:41

Tgt Ion: 98 Resp: 154932
Ion Ratio Lower Upper
98 100
100 62.7 51.0 76.6





#72

1,2,3-Trichloropropane

Concen: 10.678 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062935.D

Acq: 14 Aug 2020 12:41

Instrument :

MSVOA_N

ClientSampleId :

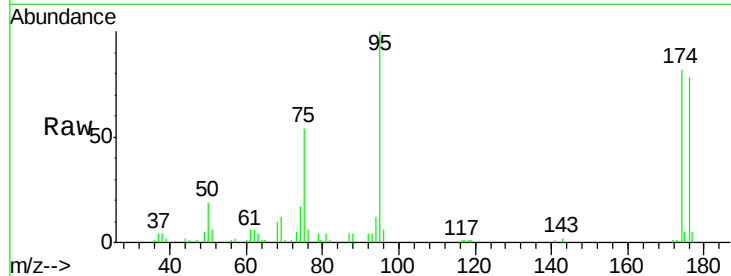
VN0814WBL01

Tgt Ion: 75 Resp: 23965

Ion Ratio Lower Upper

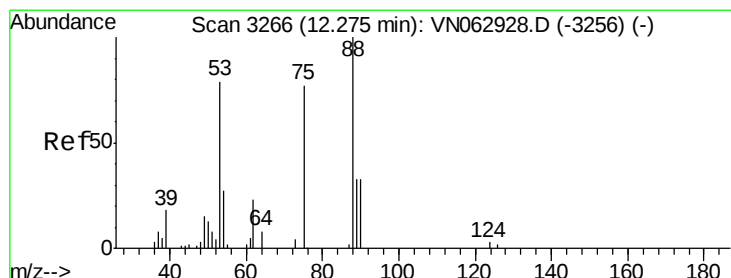
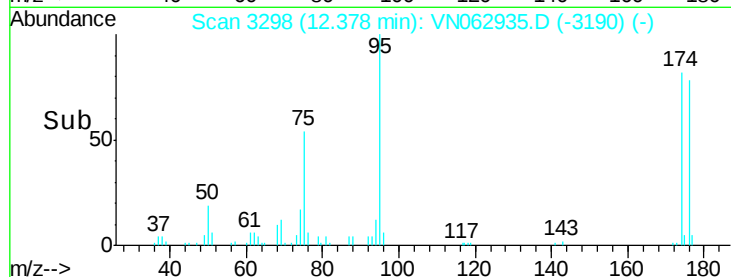
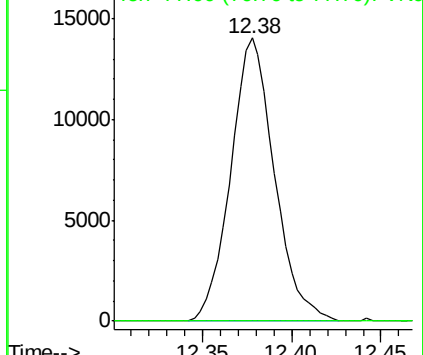
75 100

77 0.0 0.0 313.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 33.161 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062935.D

Acq: 14 Aug 2020 12:41

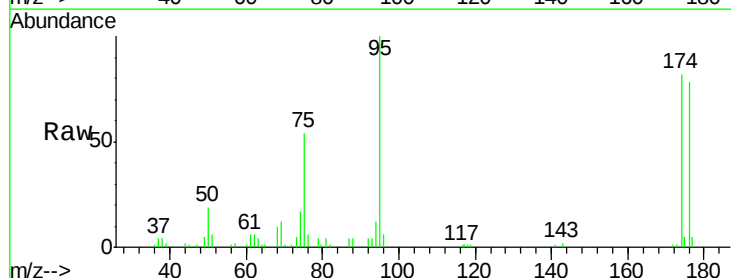
Tgt Ion: 75 Resp: 23965

Ion Ratio Lower Upper

75 100

53 0.0 52.3 157.1#

89 0.0 23.4 70.3#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

