

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072020\
 Data File : VN062561.D
 Acq On : 20 Jul 2020 14:52
 Operator : JC/MD
 Sample : L3357-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-28

Quant Time: Jul 21 00:55:29 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	36491	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	189658	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	174266	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	94020	29.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.97%
60) 4-Bromofluorobenzene	12.38	95	76499	25.80	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.00%
63) Toluene-d8	10.06	98	242791	29.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.27%

Target Compounds

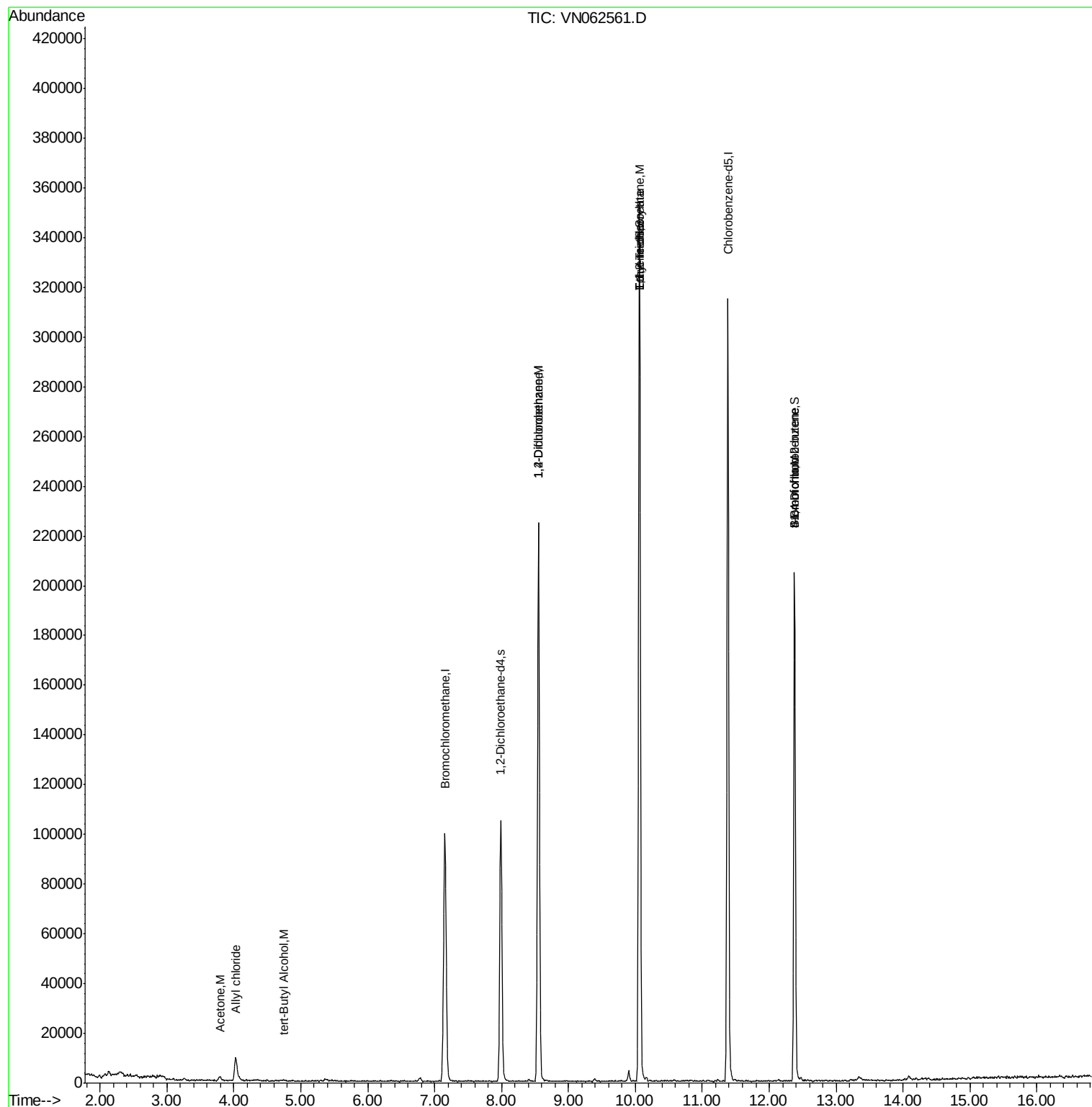
					Ovalue	
15) Acetone	3.78	58	350	0.870	ug/l #	43
17) Allyl chloride	4.03	41	1754	0.392	ug/l	91
23) tert-Butyl Alcohol	4.73	59	169	0.385	ug/l #	100
36) 1,2-Dichloroethane	8.55	62	7130	2.076	ug/l #	77
50) 1,1,2-Trichloroethane	10.07	97	8501	3.865	ug/l #	1
51) Ethyl methacrylate	10.07	69	893	0.241	ug/l	70
56) Bromoform	12.37	173	375	0.229	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.38	75	40140	33.350	ug/l #	11

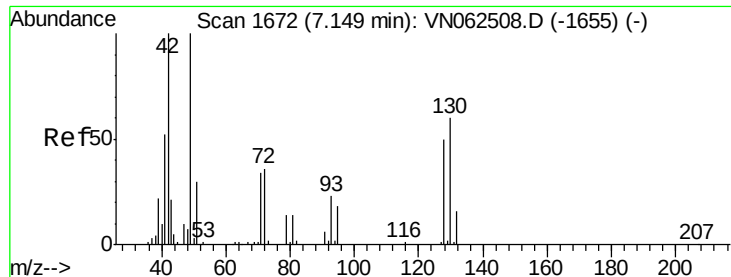
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Jul 14 00:52:57 2020
Response via : Initial Calibration

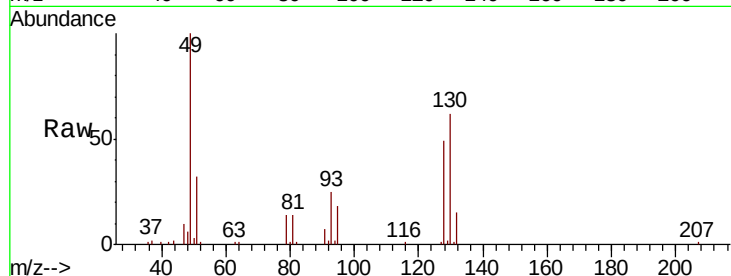




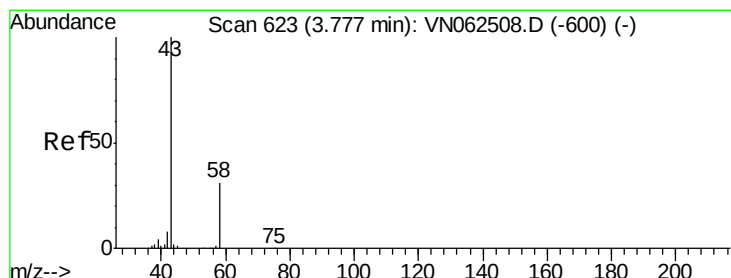
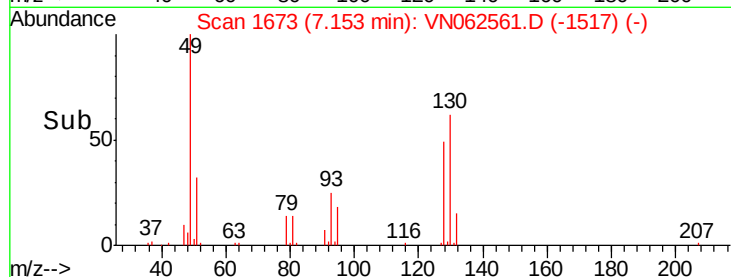
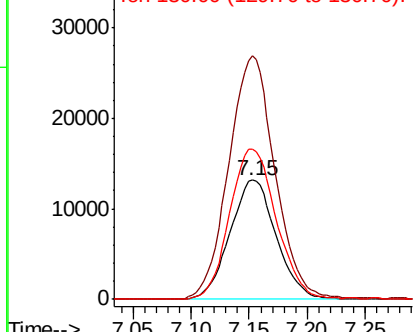
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN062561.D
Acq: 20 Jul 2020 14:52

Instrument :
MSVOA_N
ClientSampled :
55-ST-28

Tot Ion:128 Resp: 36491
Ion Ratio Lower Upper
128 100
49 204.0 0.0 525.0
130 127.5 0.0 319.8

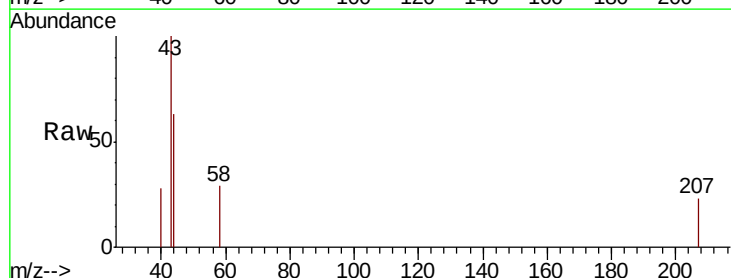


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

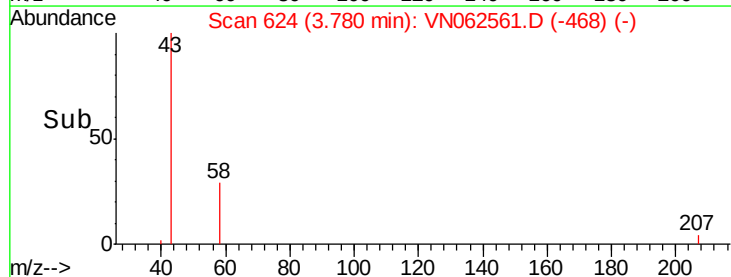
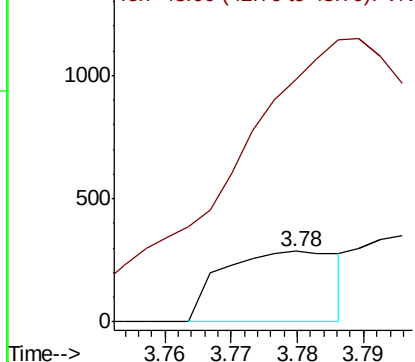


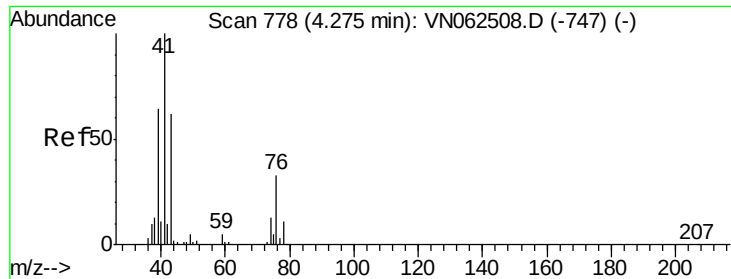
#15
Acetone
Concen: 0.870 ug/l
RT: 3.78 min Scan# 624
Delta R.T. 0.00 min
Lab File: VN062561.D
Acq: 20 Jul 2020 14:52

Tgt Ion: 58 Resp: 350
Ion Ratio Lower Upper
58 100
43 207.7 261.1 391.7#



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

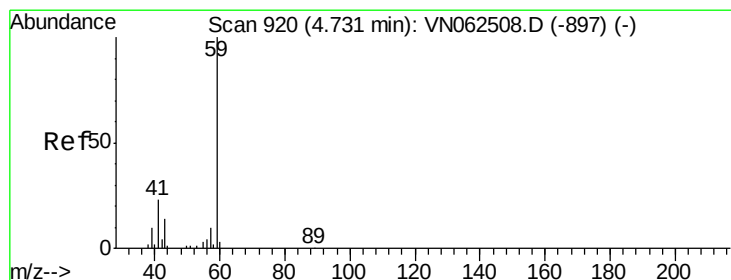
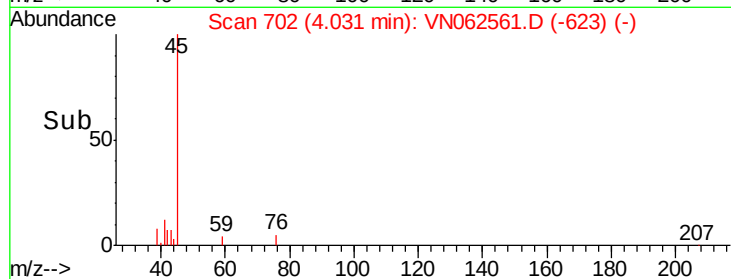
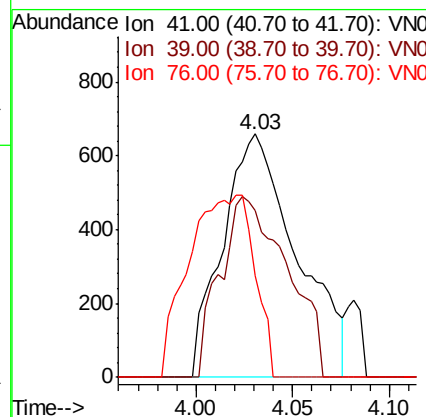
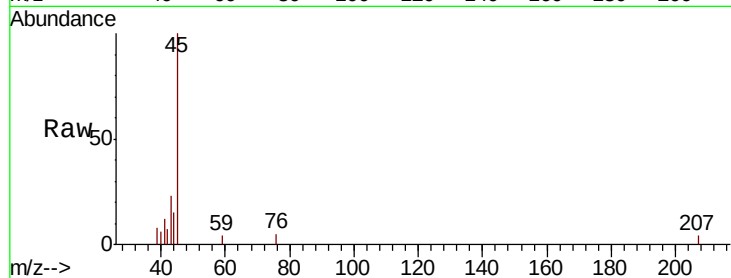




#17
 Allvl chloride
 Concen: 0.392 ug/l
 RT: 4.03 min Scan# 702
 Delta R.T. -0.24 min
 Lab File: VN062561.D
 Acq: 20 Jul 2020 14:52

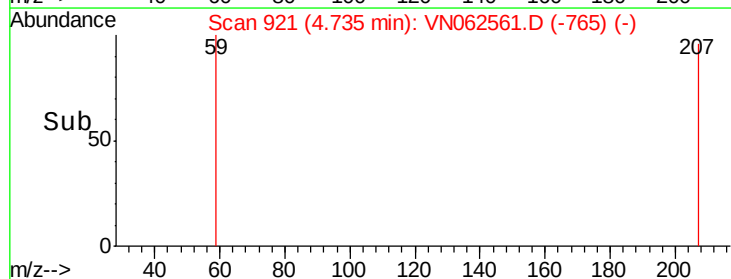
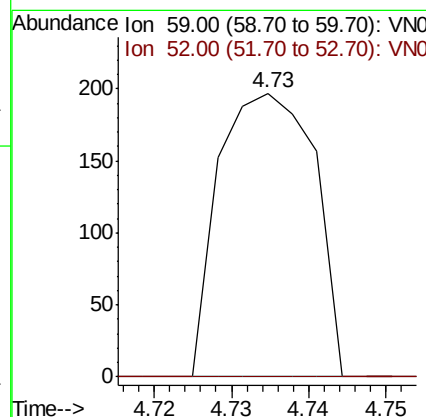
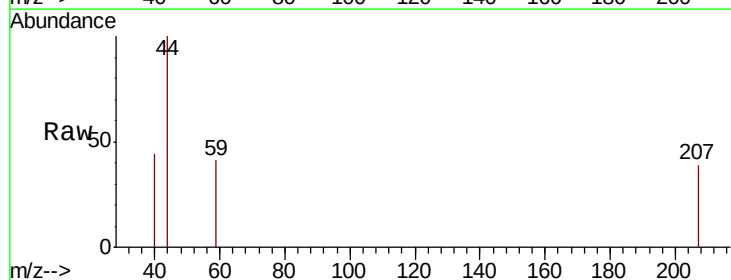
Instrument :
 MSVOA_N
 ClientSampled :
 55-ST-28

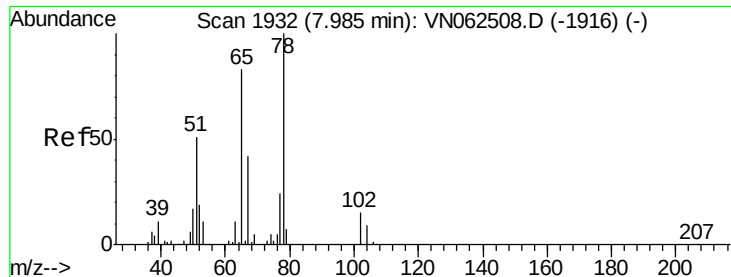
Tot Ion: 41 Resp: 1754
 Ion Ratio Lower Upper
 41 100
 39 68.4 31.9 95.5
 76 41.7 16.6 49.8



#23
 tert-Butyl Alcohol
 Concen: 0.385 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN062561.D
 Acq: 20 Jul 2020 14:52

Tgt Ion: 59 Resp: 169
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0

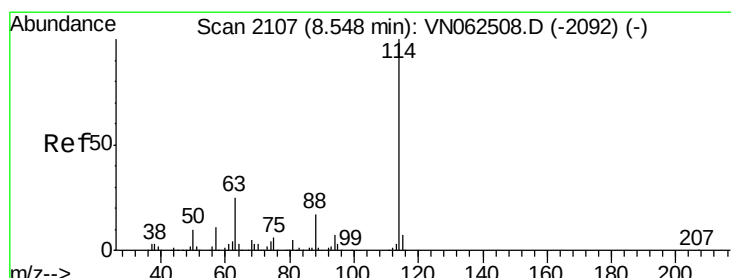
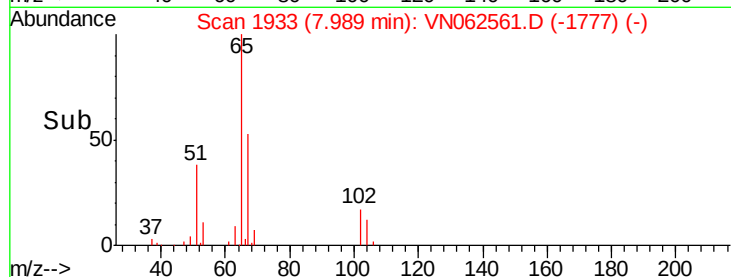
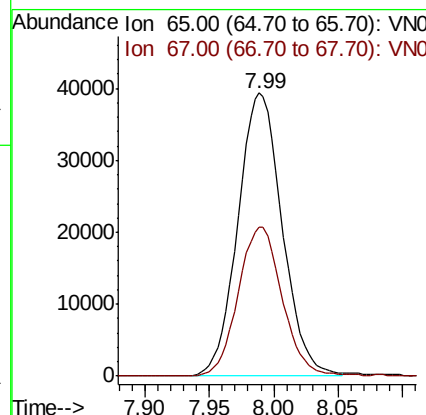
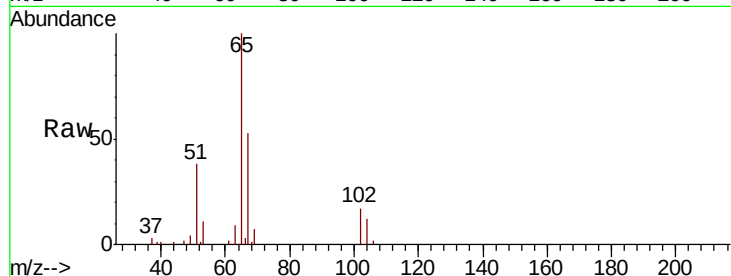




#27
 1,2-Dichloroethane-d4
 Concen: 29.992 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062561.D
 Acq: 20 Jul 2020 14:52

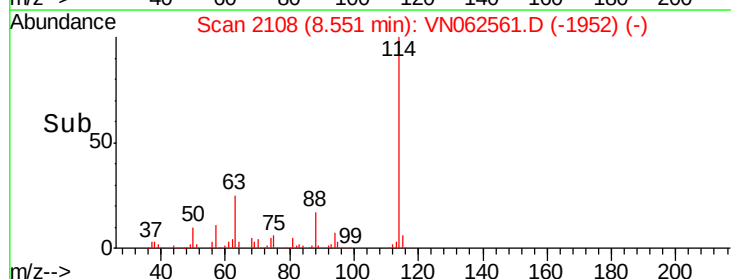
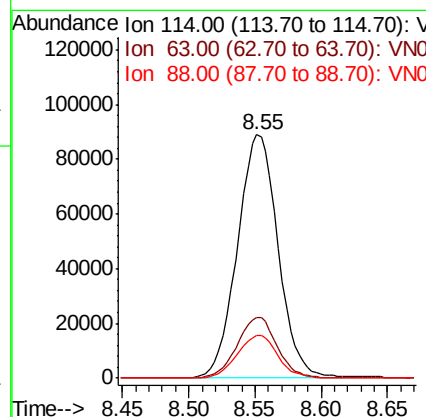
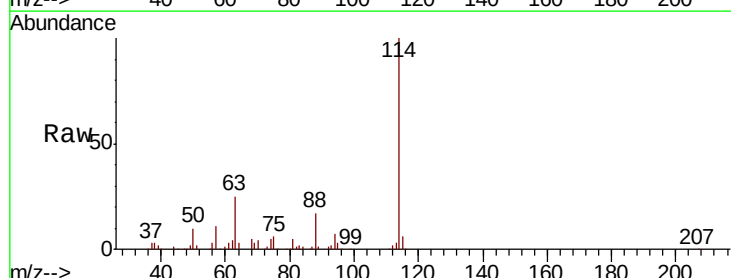
Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-28

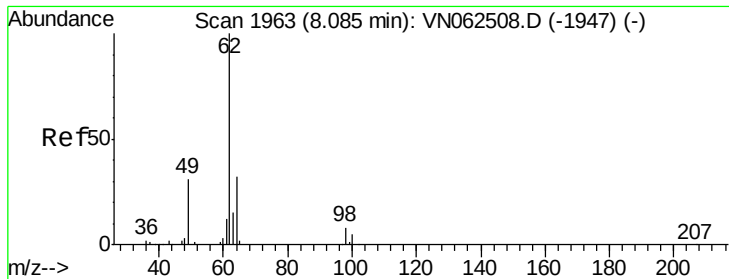
Tot Ion: 65 Resp: 94020
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.7 62.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062561.D
 Acq: 20 Jul 2020 14:52

Tgt Ion: 114 Resp: 189658
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.4 29.0
 88 17.4 13.5 20.3

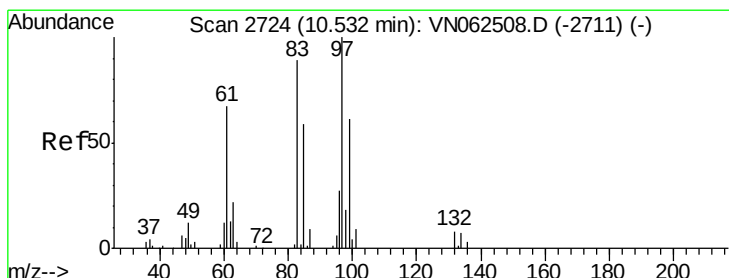
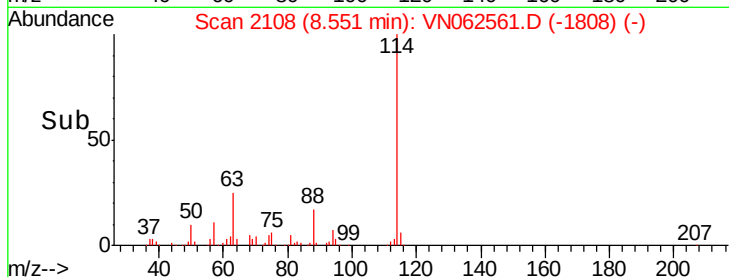
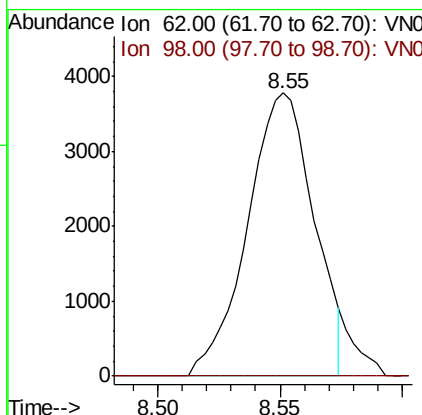
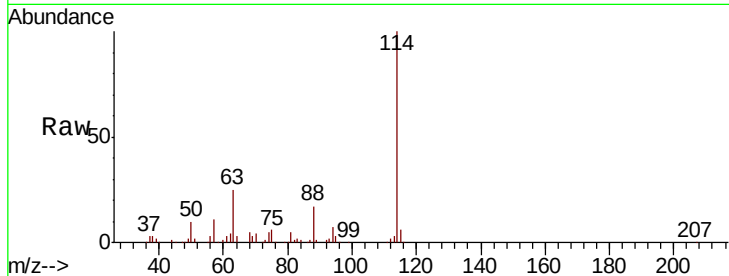




#36
 1,2-Dichloroethane
 Concen: 2.076 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.47 min
 Lab File: VN062561.D
 Acq: 20 Jul 2020 14:52

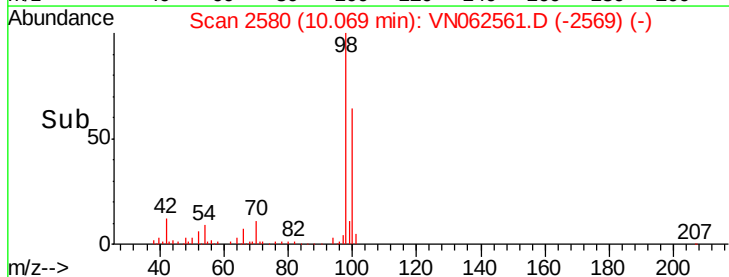
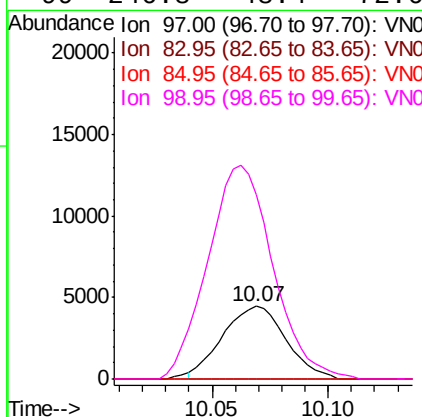
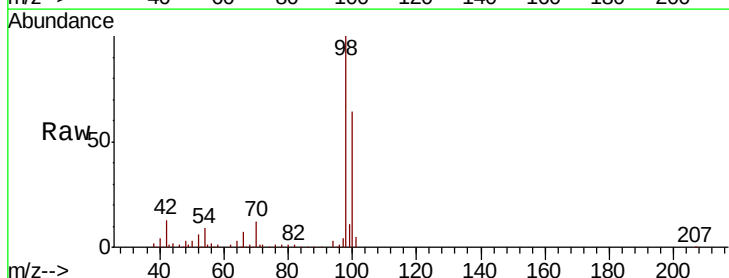
Instrument :
 MSVOA_N
 ClientSampleId :
 55-ST-28

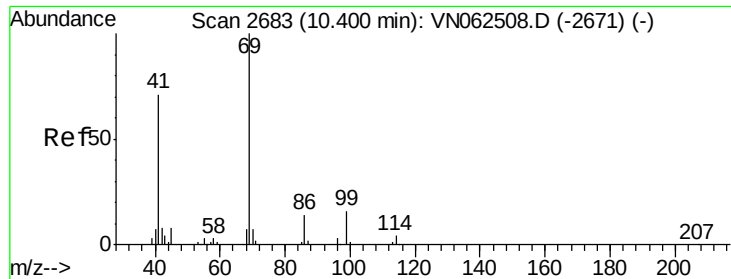
Tot Ion: 62 Resp: 7130
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 9.8#



#50
 1,1,2-Trichloroethane
 Concen: 3.865 ug/l
 RT: 10.07 min Scan# 2580
 Delta R.T. -0.46 min
 Lab File: VN062561.D
 Acq: 20 Jul 2020 14:52

Tgt Ion: 97 Resp: 8501
 Ion Ratio Lower Upper
 97 100
 83 0.0 71.3 106.9#
 85 0.0 47.2 70.8#
 99 246.8 48.4 72.6#





#51

Ethyl methacrylate

Concen: 0.241 ug/l

RT: 10.07 min Scan# 2579

Delta R.T. -0.33 min

Lab File: VN062561.D

Acq: 20 Jul 2020 14:52

Instrument :

MSVOA_N

ClientSampleId :

55-ST-28

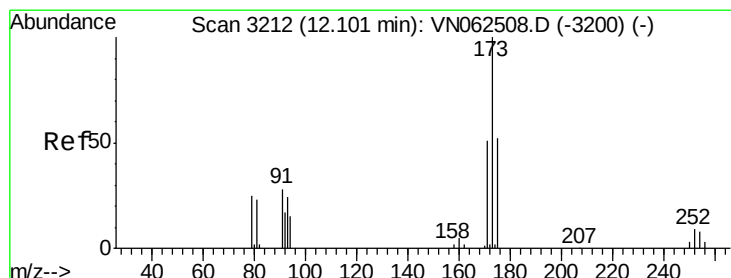
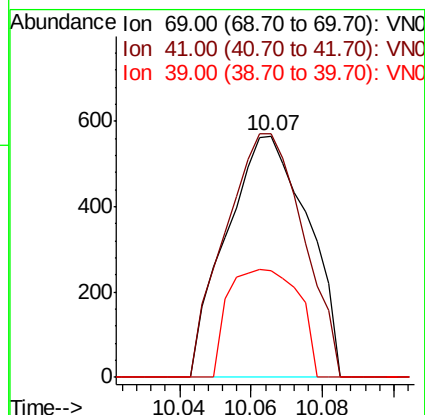
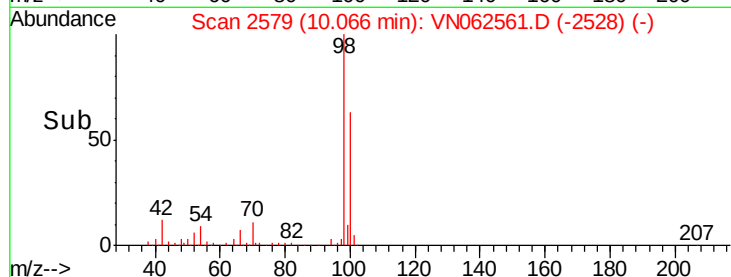
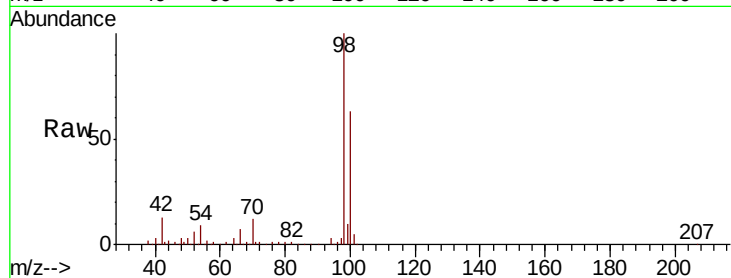
Tot Ion: 69 Resp: 893

Ion Ratio Lower Upper

69 100

41 100.9 35.6 106.8

39 44.0 17.2 51.5



#56

Bromoform

Concen: 0.229 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.27 min

Lab File: VN062561.D

Acq: 20 Jul 2020 14:52

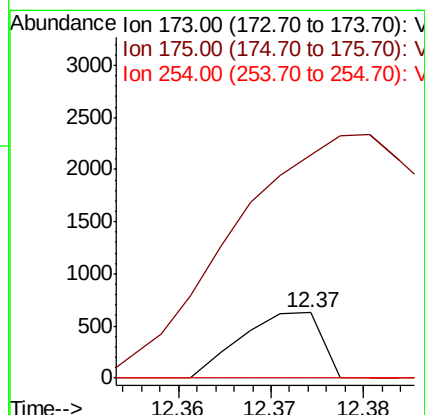
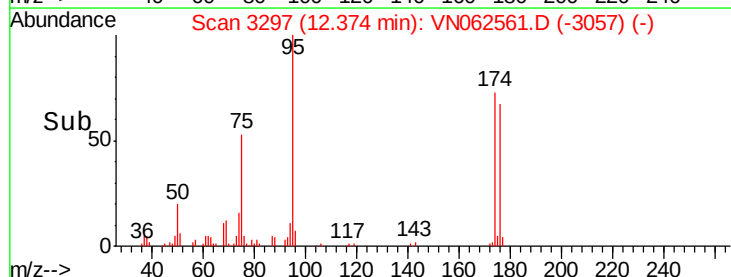
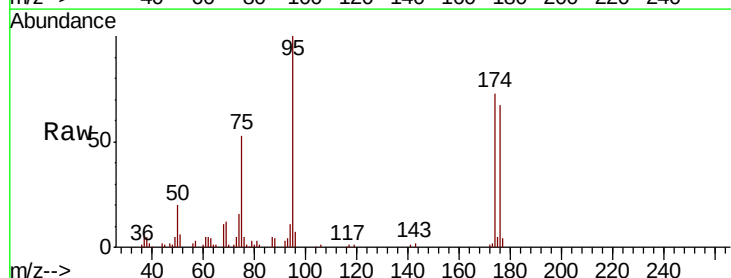
Tgt Ion: 173 Resp: 375

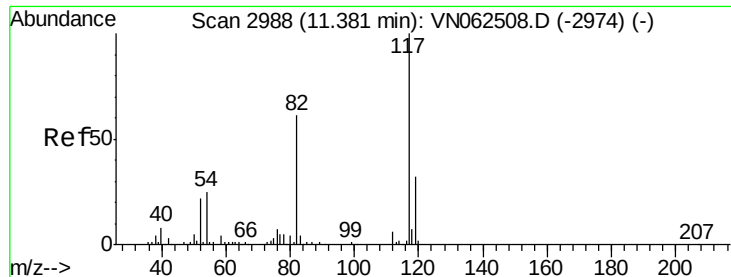
Ion Ratio Lower Upper

173 100

175 1100.8 38.1 57.1#

254 0.0 6.2 9.2#

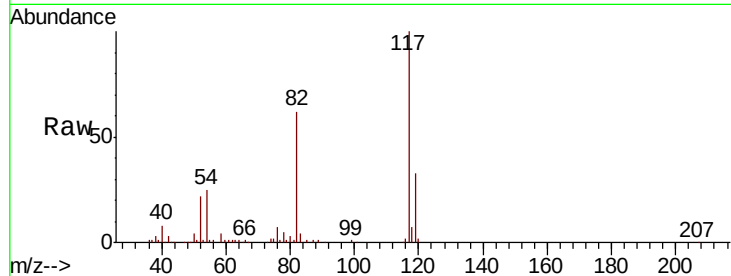




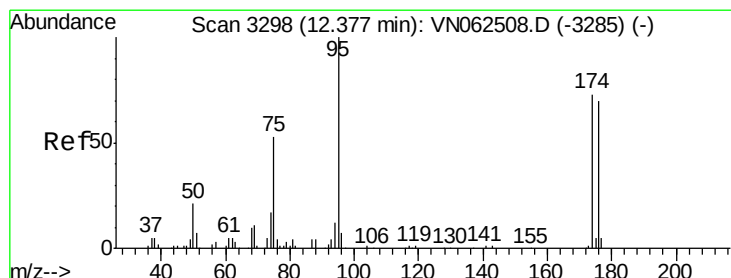
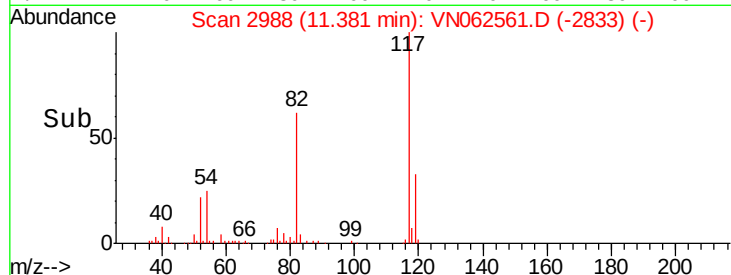
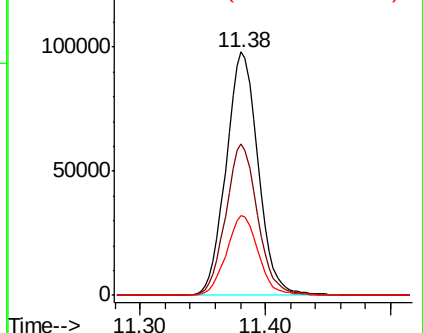
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062561.D
Acq: 20 Jul 2020 14:52

Instrument :
MSVOA_N
ClientSampled :
55-ST-28

Tot Ion:117 Resp: 174266
Ion Ratio Lower Upper
117 100
82 61.5 49.0 73.6
119 32.5 25.6 38.4

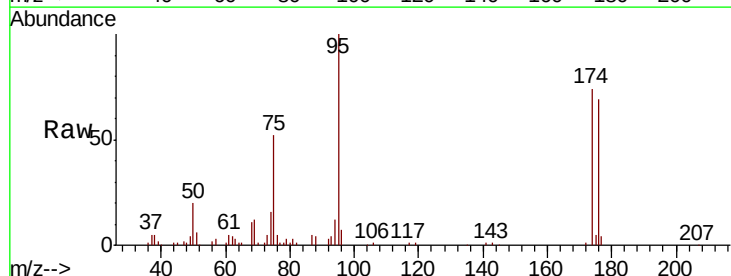


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

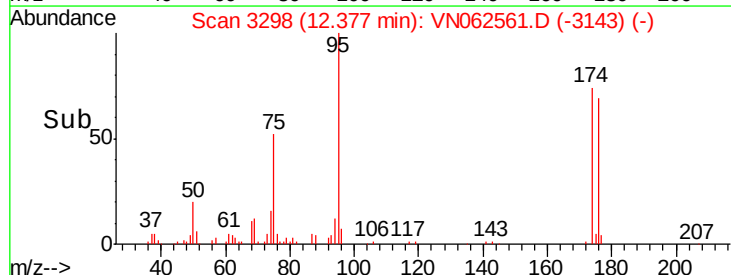
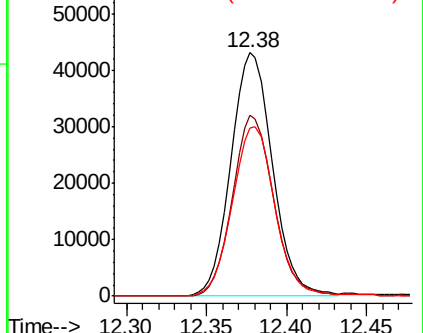


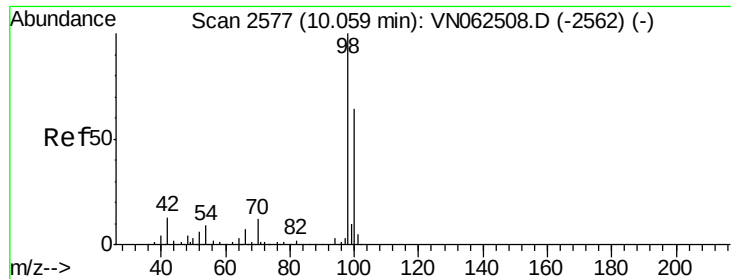
#60
4-Bromofluorobenzene
Concen: 25.795 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062561.D
Acq: 20 Jul 2020 14:52

Tgt Ion: 95 Resp: 76499
Ion Ratio Lower Upper
95 100
174 73.6 57.5 86.3
176 71.1 56.3 84.5



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 29.484 ug/l

RT: 10.06 min Scan# 2578

Delta R.T. 0.00 min

Lab File: VN062561.D

Acq: 20 Jul 2020 14:52

Instrument :

MSVOA_N

ClientSampled :

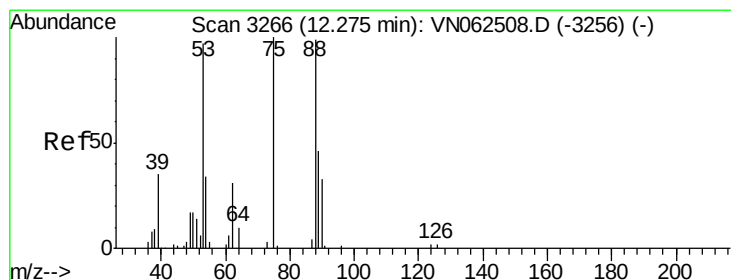
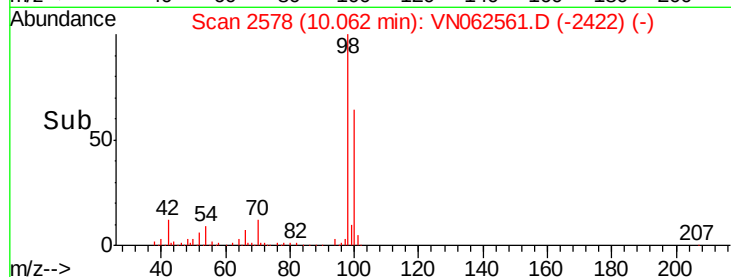
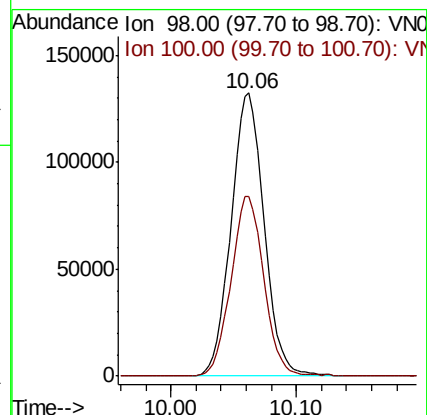
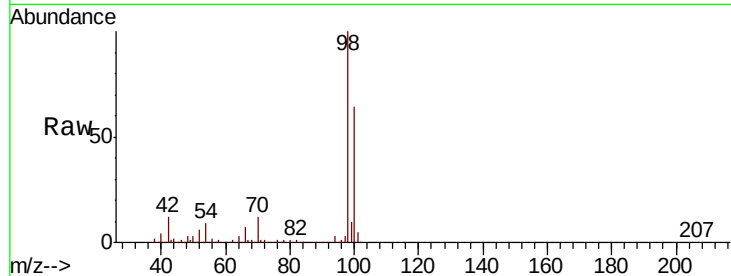
55-ST-28

Tot Ion: 98 Resp: 242791

Ion Ratio Lower Upper

98 100

100 63.1 50.4 75.6



#77

t-1,4-Dichloro-2-butene

Concen: 33.350 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062561.D

Acq: 20 Jul 2020 14:52

Tgt Ion: 75 Resp: 40140

Ion Ratio Lower Upper

75 100

53 0.0 48.3 144.8#

89 0.0 23.3 69.8#

