

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061679.D
 Acq On : 5 Jun 2020 19:01
 Operator : JC/MD
 Sample : L2921-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012MW028-200603

Quant Time: Jun 06 03:24:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	285413	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	485425	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	482165	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225437	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	158508	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
35) Dibromofluoromethane	7.55	113	140298	56.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.94%	
50) Toluene-d8	10.06	98	583796	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.38	95	217483	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	

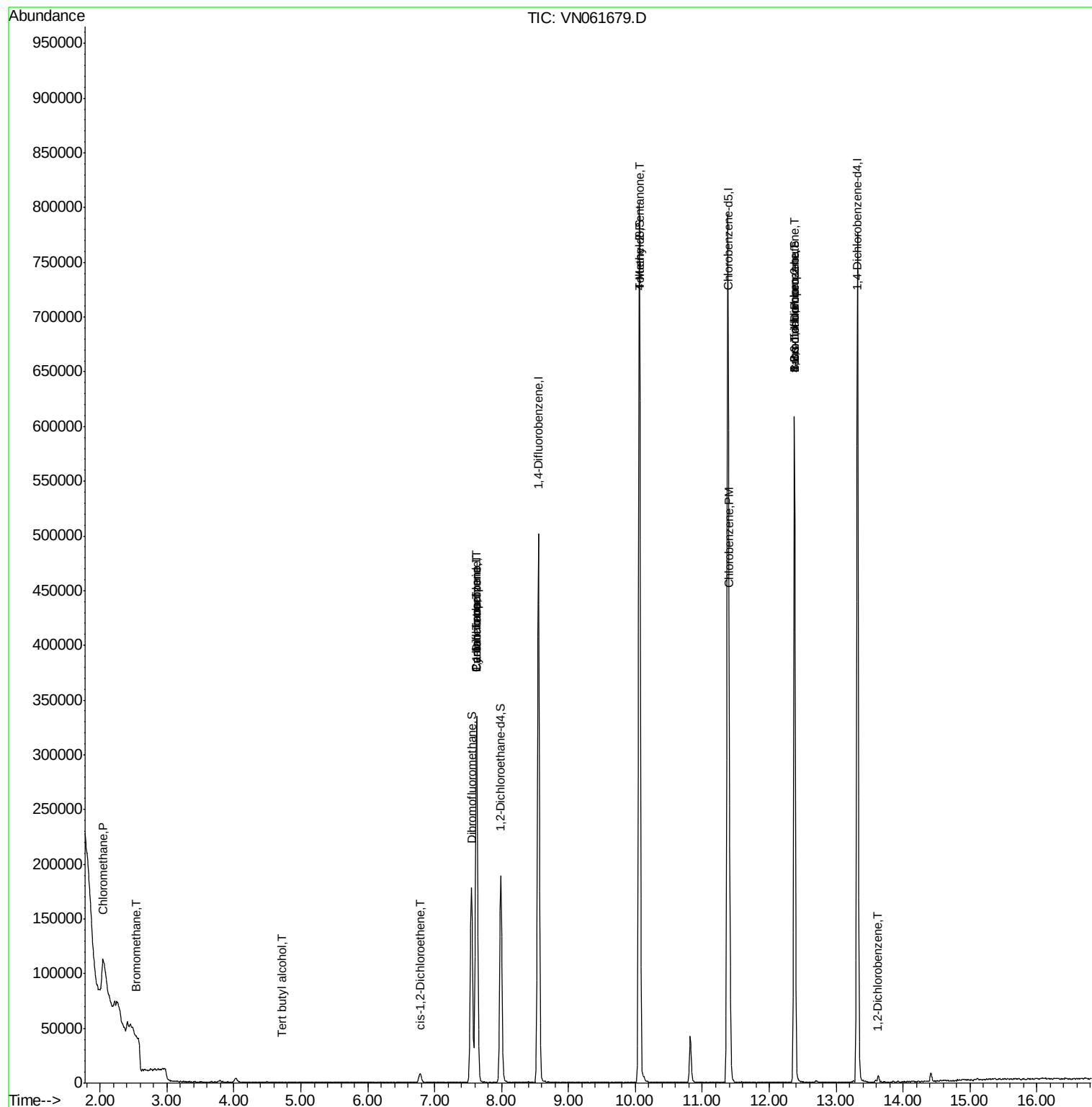
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	936	0.27	ug/l	100
5) Bromomethane	2.55	94	681	0.25	ug/l #	62
11) Tert butyl alcohol	4.73	59	251	0.55	ug/l #	72
16) Acetone	3.78	43	721	Below	Cal	90
20) Methylene Chloride	4.50	84	144	Below	Cal #	60
27) cis-1,2-Dichloroethene	6.78	96	4280	1.15	ug/l	88
31) Cyclohexane	7.63	56	5220	1.09	ug/l #	23
36) 1,1-Dichloropropene	7.63	75	19471	4.53	ug/l #	49
38) Carbon Tetrachloride	7.63	117	27391	6.61	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	2336	0.67	ug/l #	1
65) Chlorobenzene	11.41	112	107860	10.76	ug/l	99
71) Bromoform	12.38	173	1543	0.54	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	107711	26.28	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	107711	67.19	ug/l #	15
91) 1,2-Dichlorobenzene	13.63	146	3317	0.47	ug/l	95

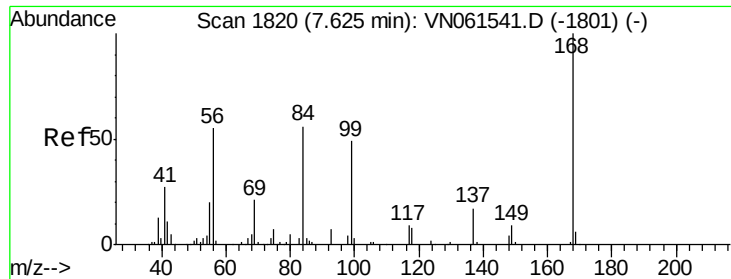
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

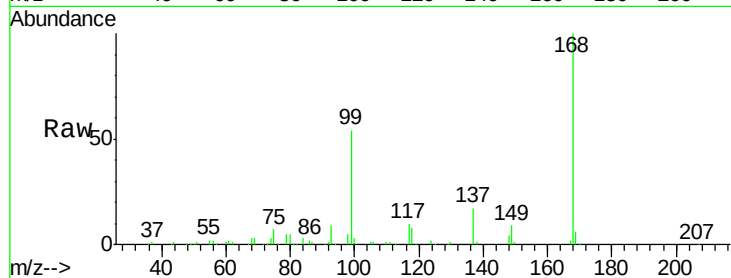
LF012MW028-200603

Tgt Ion:168 Resp: 285413

Ion Ratio Lower Upper

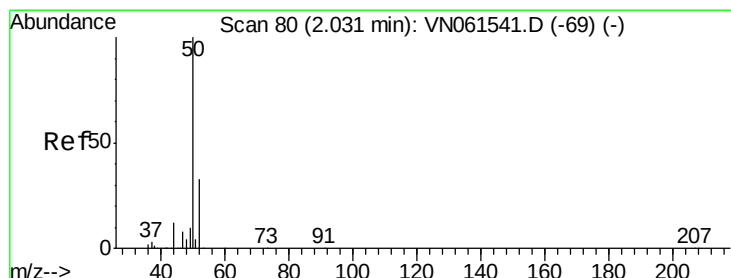
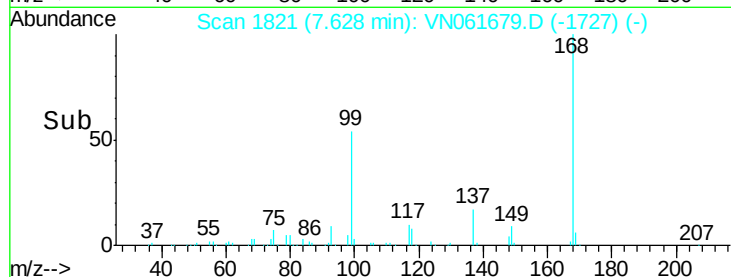
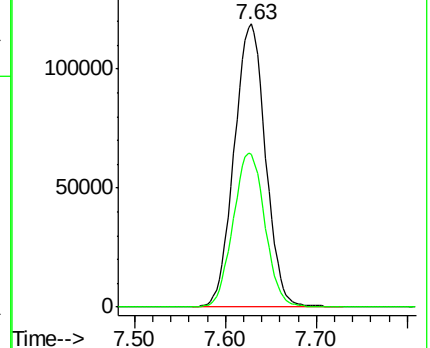
168 100

99 53.9 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.01 min

Lab File: VN061679.D

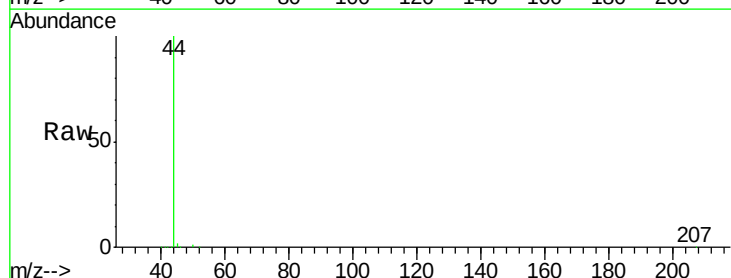
Acq: 5 Jun 2020 19:01

Tgt Ion: 50 Resp: 936

Ion Ratio Lower Upper

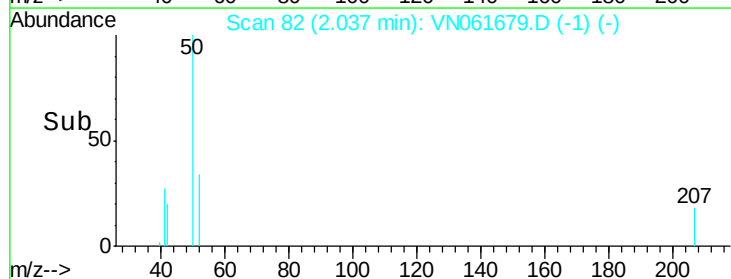
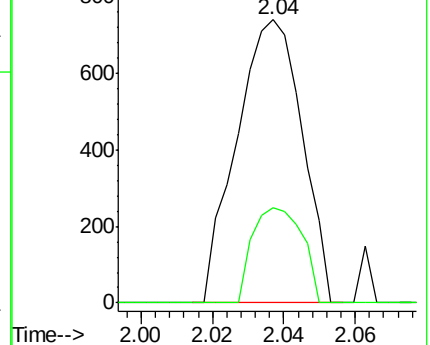
50 100

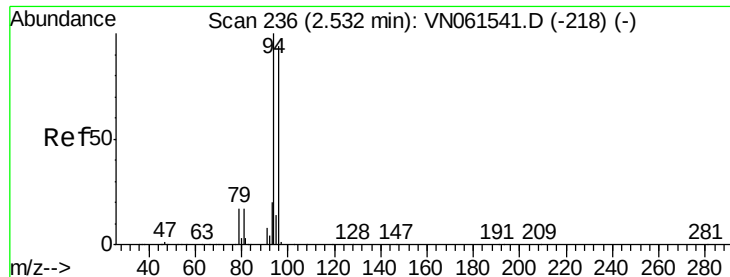
52 33.6 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Bromomethane

Concen: 0.25 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.02 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

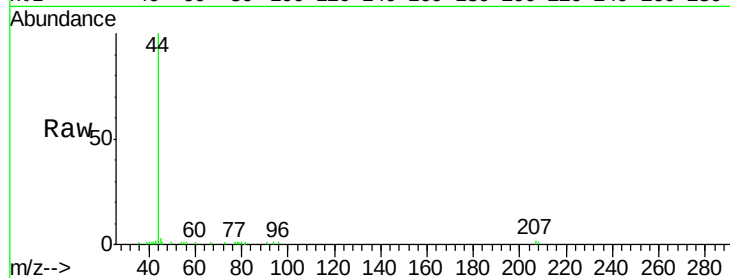
LF012MW028-200603

Tgt Ion: 94 Resp: 681

Ion Ratio Lower Upper

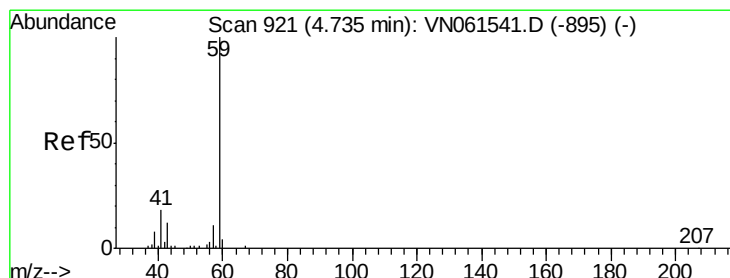
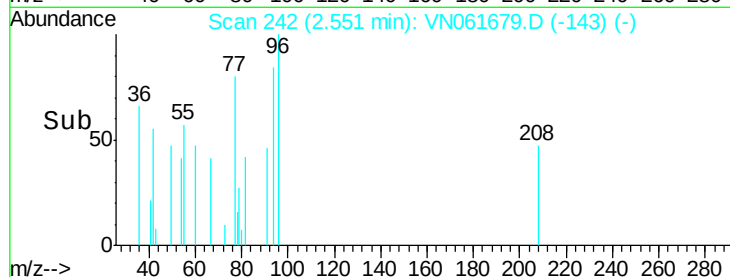
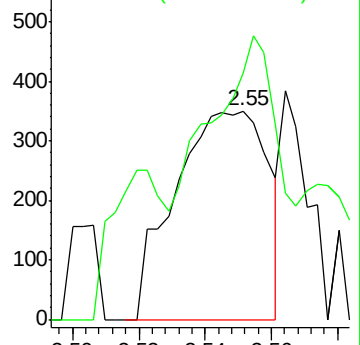
94 100

96 57.1 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.55 ug/l

RT: 4.73 min Scan# 919

Delta R.T. -0.01 min

Lab File: VN061679.D

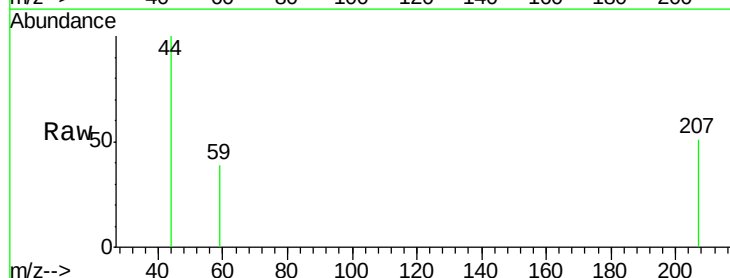
Acq: 5 Jun 2020 19:01

Tgt Ion: 59 Resp: 251

Ion Ratio Lower Upper

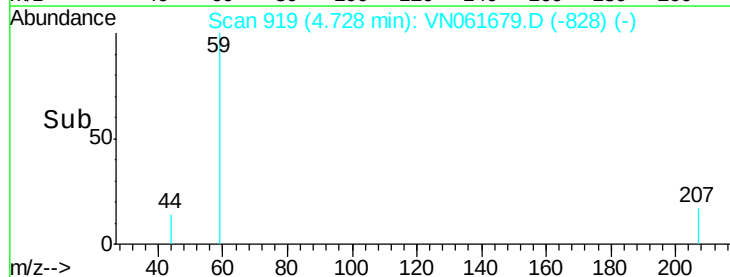
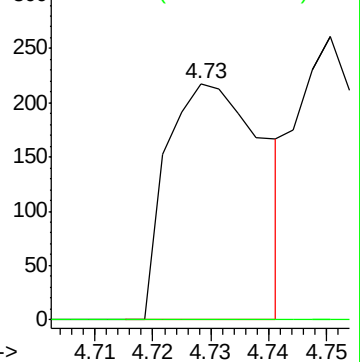
59 100

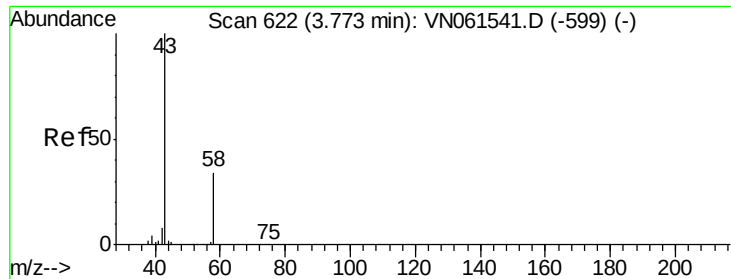
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

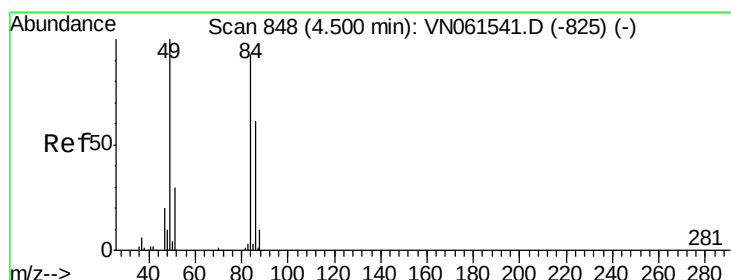
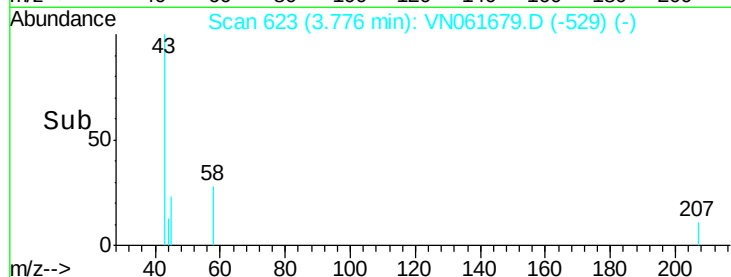
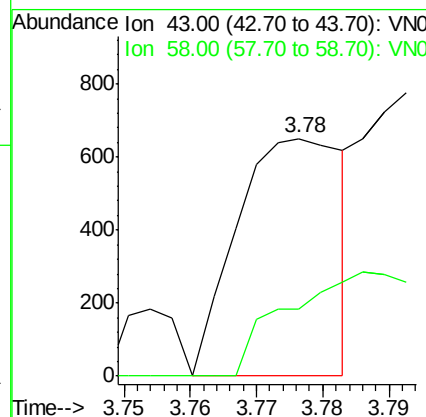
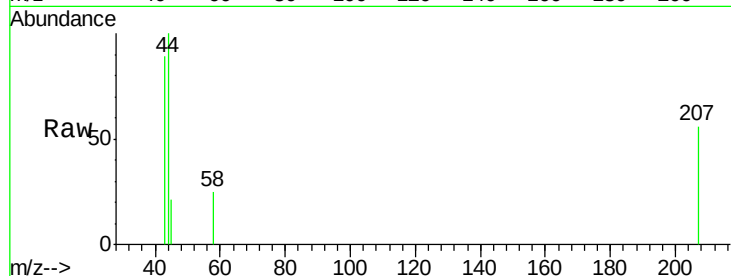




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 623
Delta R.T. 0.00 min
Lab File: VN061679.D
Acq: 5 Jun 2020 19:01

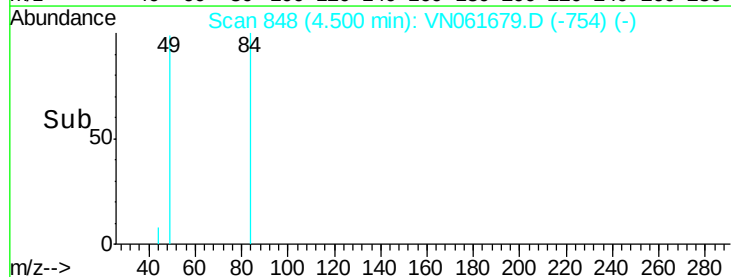
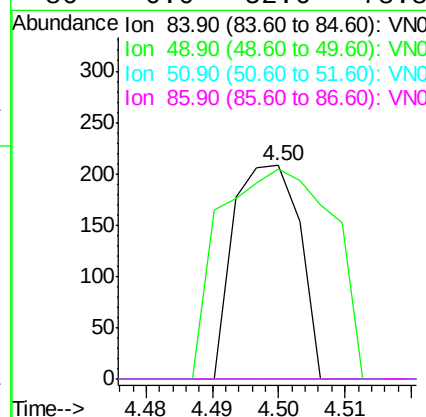
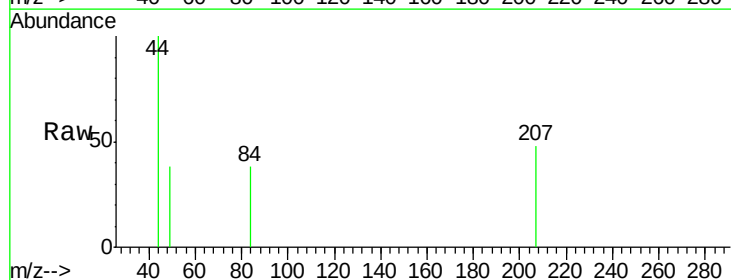
Instrument :
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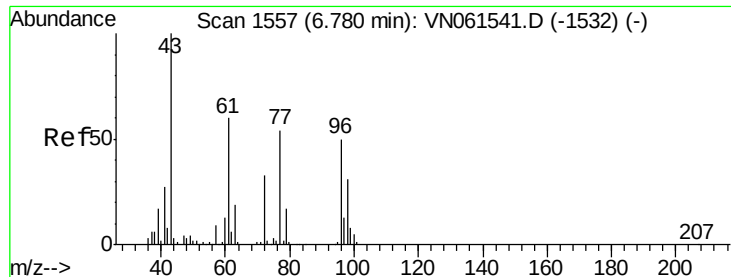
Tgt Ion: 43 Resp: 721
Ion Ratio Lower Upper
43 100
58 28.2 27.2 40.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN061679.D
Acq: 5 Jun 2020 19:01

Tgt Ion: 84 Resp: 144
Ion Ratio Lower Upper
84 100
49 98.6 85.8 128.8
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#

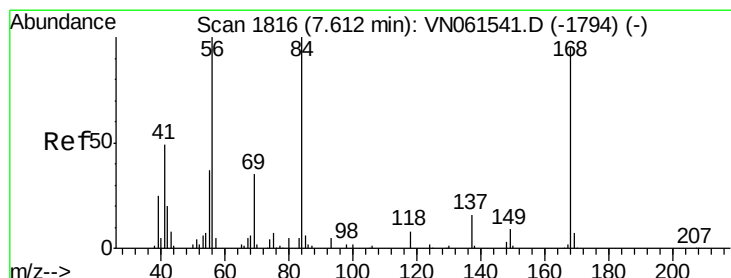
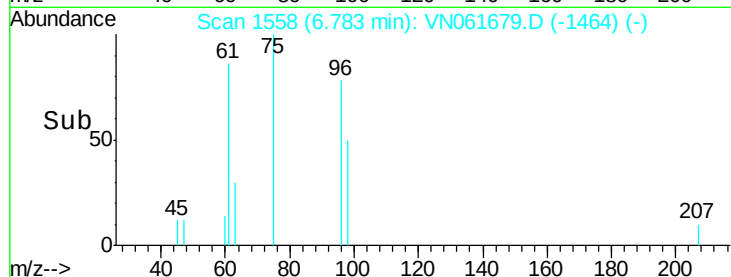
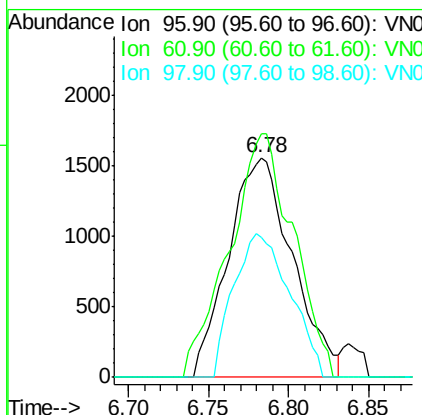
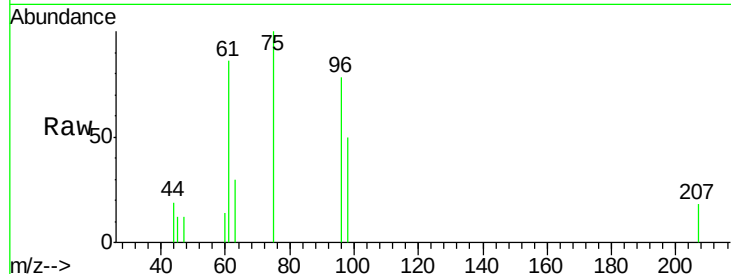




#27
 cis-1,2-Dichloroethene
 Concen: 1.15 ug/l
 RT: 6.78 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: VN061679.D
 Acq: 5 Jun 2020 19:01

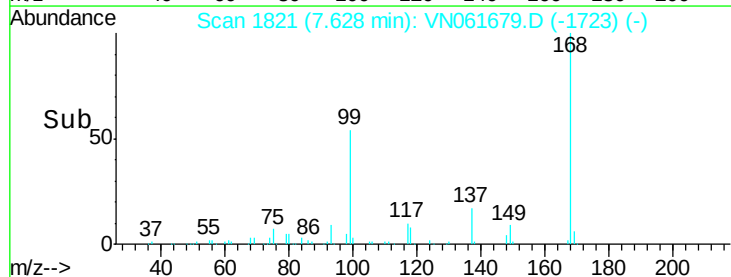
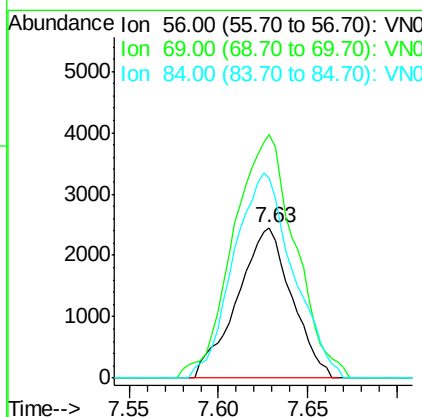
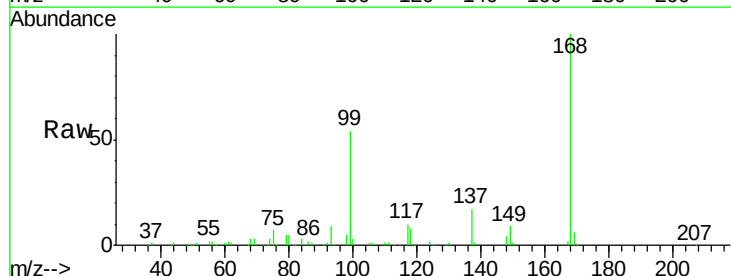
Instrument :
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 ClientSampleId :
 LF012MW028-200603

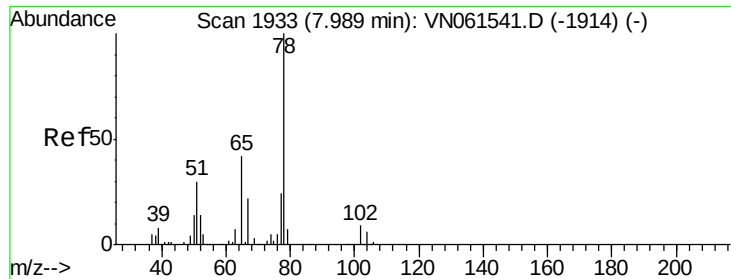
Tgt Ion: 96 Resp: 4280
 Ion Ratio Lower Upper
 96 100
 61 110.9 0.0 252.2
 98 57.1 0.0 129.2



#31
 Cyclohexane
 Concen: 1.09 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. 0.02 min
 Lab File: VN061679.D
 Acq: 5 Jun 2020 19:01

Tgt Ion: 56 Resp: 5220
 Ion Ratio Lower Upper
 56 100
 69 153.1 27.8 41.8#
 84 132.9 79.9 119.9#

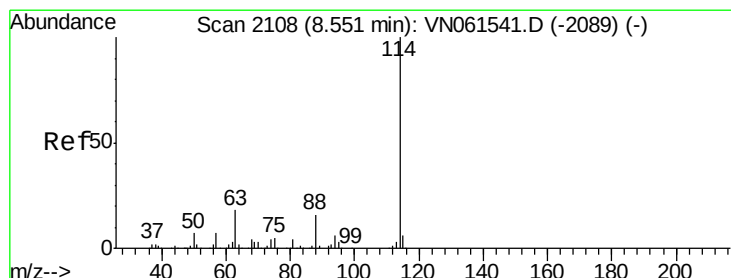
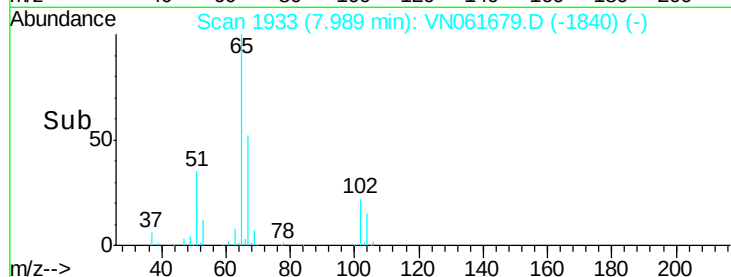
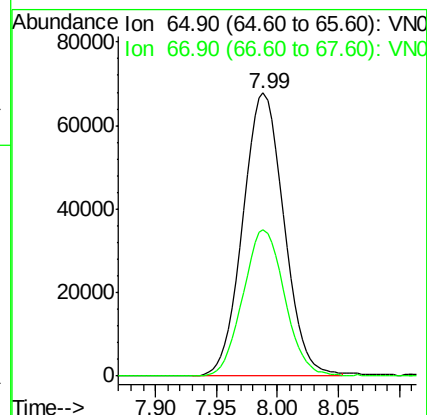
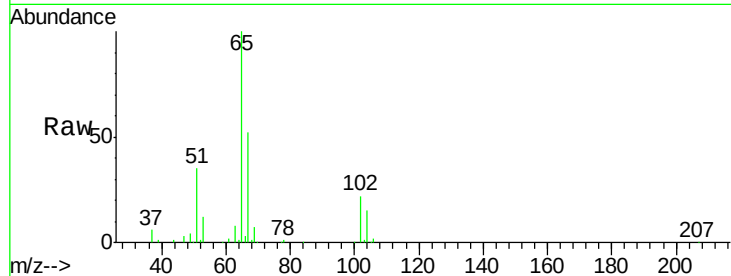




#33
 1,2-Dichloroethane-d4
 Concen: 46.61 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN061679.D
 Acq: 5 Jun 2020 19:01

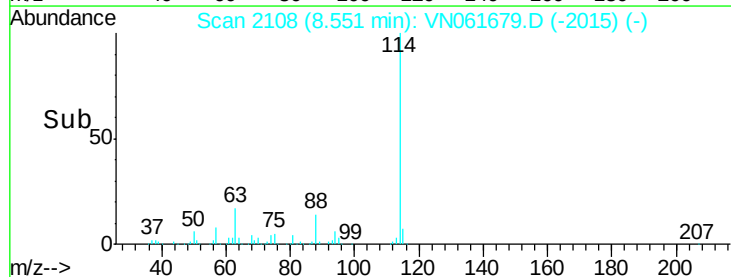
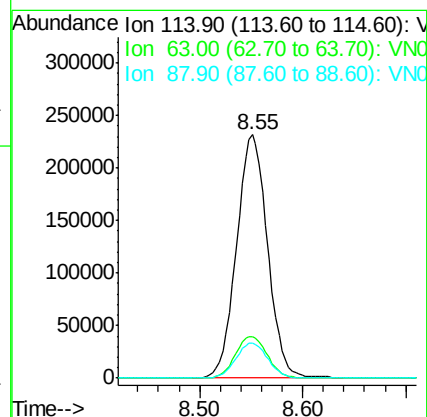
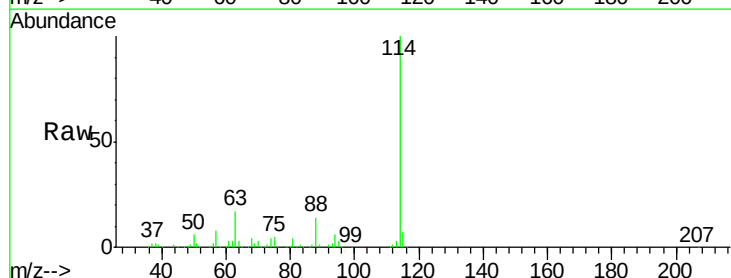
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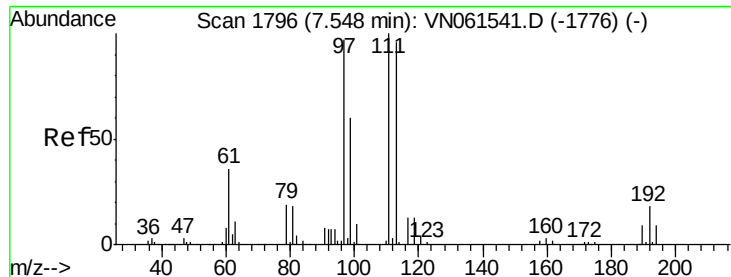
Tgt Ion: 65 Resp: 158508
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061679.D
 Acq: 5 Jun 2020 19:01

Tgt Ion: 114 Resp: 485425
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 35.8
 88 14.4 0.0 31.0

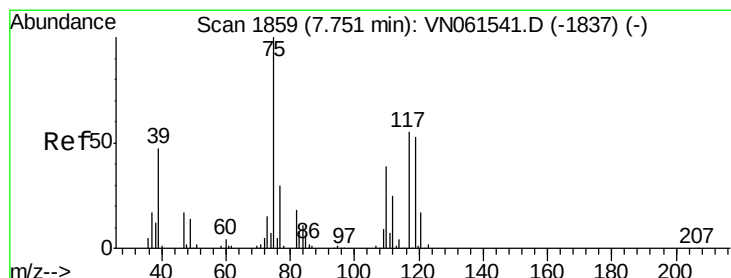
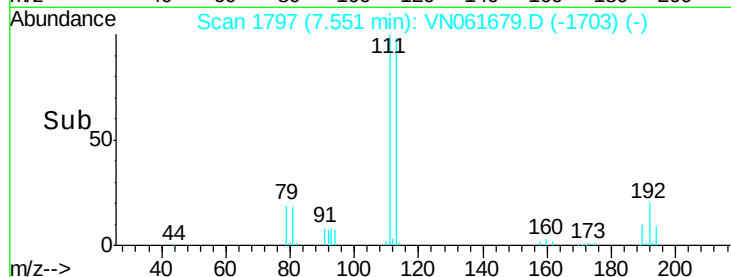
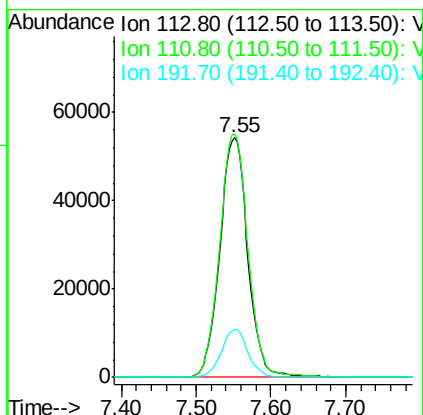
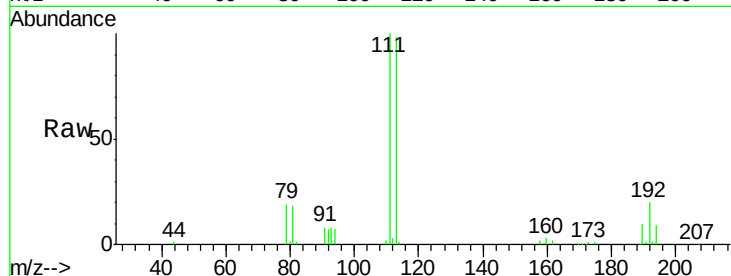




#35
 Dibromofluoromethane
 Concen: 56.97 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061679.D
 Acq: 5 Jun 2020 19:01

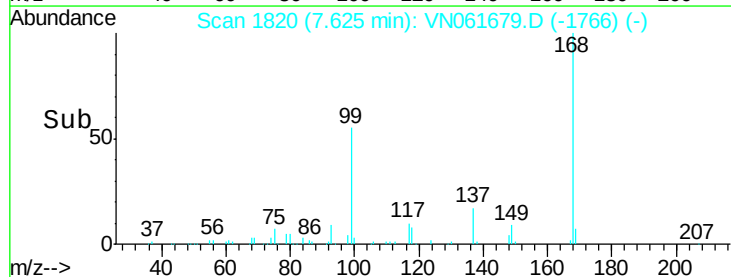
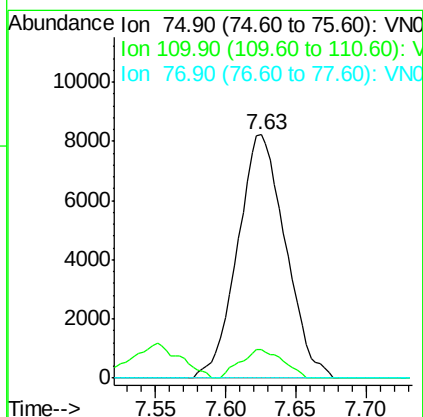
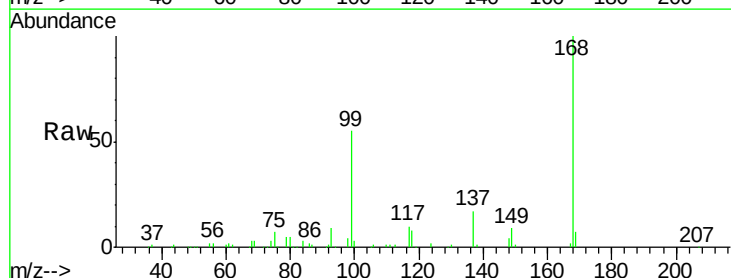
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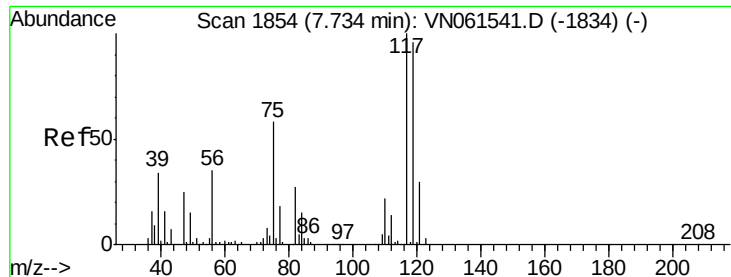
Tgt Ion: 113 Resp: 140298
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.4 125.0
 192 19.0 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.53 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061679.D
 Acq: 5 Jun 2020 19:01

Tgt Ion: 75 Resp: 19471
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.5 58.5#
 77 0.0 24.7 37.1#

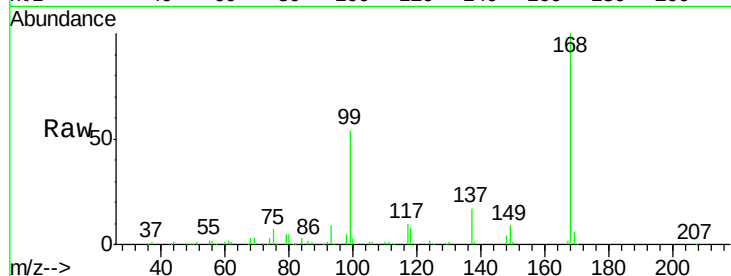




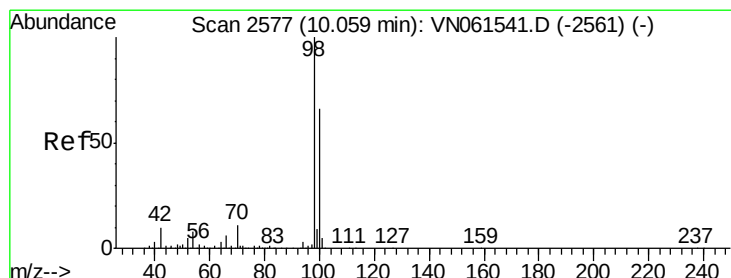
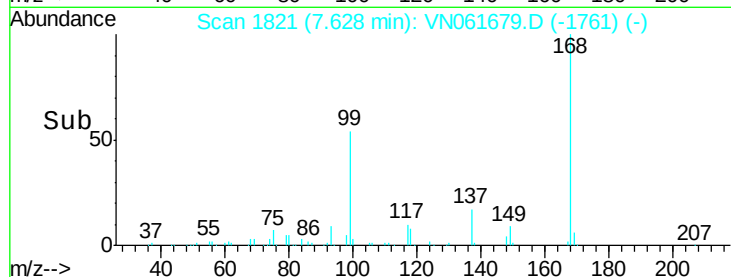
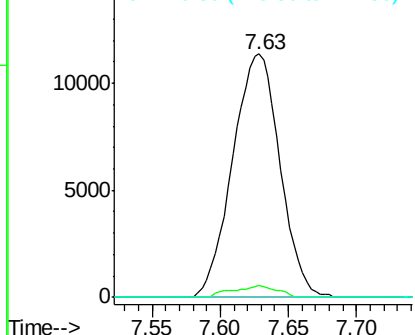
#38
Carbon Tetrachloride
Concen: 6.61 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN061679.D
Acq: 5 Jun 2020 19:01

Instrument :
MSVOA_N
ClientSampleId :
LF012MW028-200603

Tgt Ion: 117 Resp: 27391
Ion Ratio Lower Upper
117 100
119 4.7 76.5 114.7#
121 0.0 24.1 36.1#

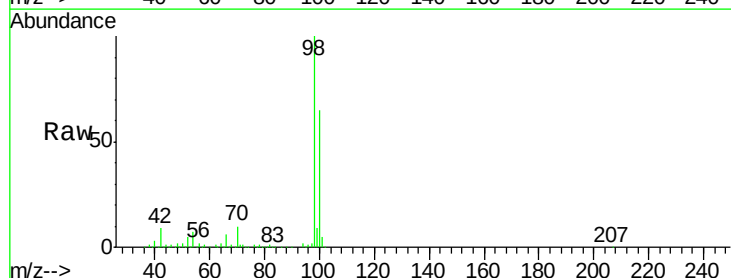


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

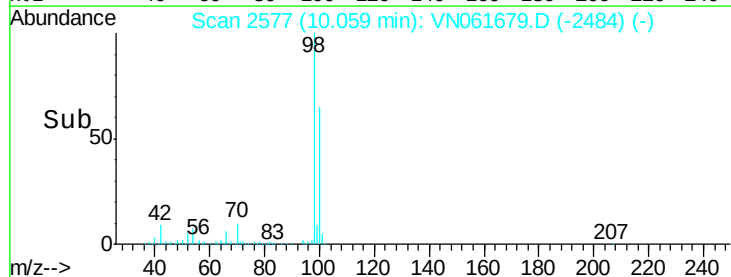
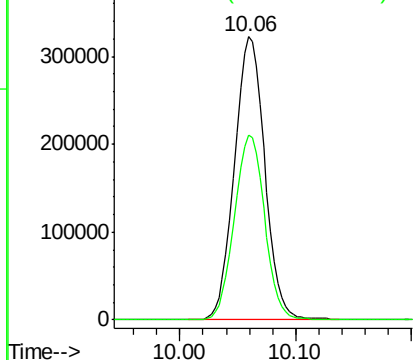


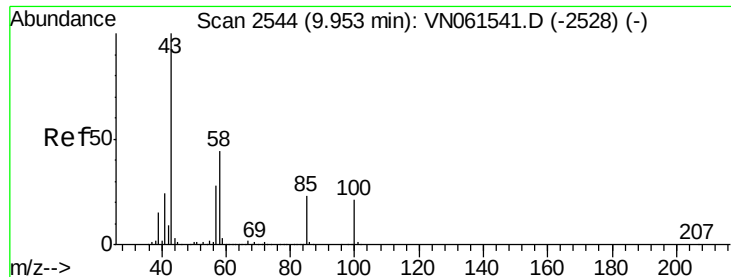
#50
Toluene-d8
Concen: 51.16 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061679.D
Acq: 5 Jun 2020 19:01

Tgt Ion: 98 Resp: 583796
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.67 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

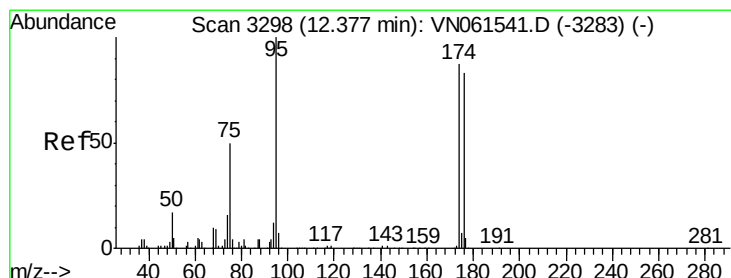
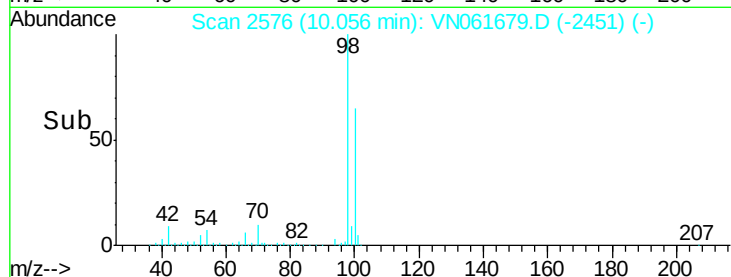
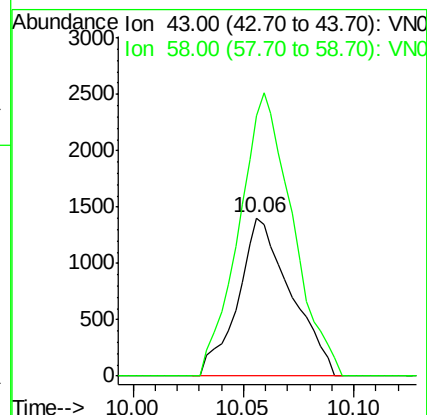
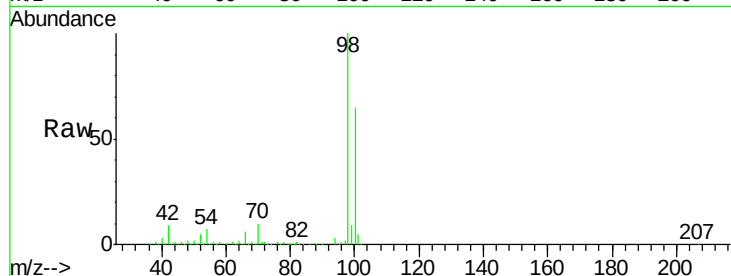
LF012MW028-200603

Tgt Ion: 43 Resp: 2336

Ion Ratio Lower Upper

43 100

58 181.4 35.0 52.6#



#62

4-Bromofluorobenzene

Concen: 52.24 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

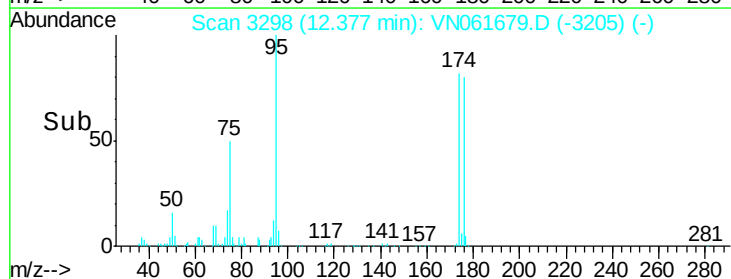
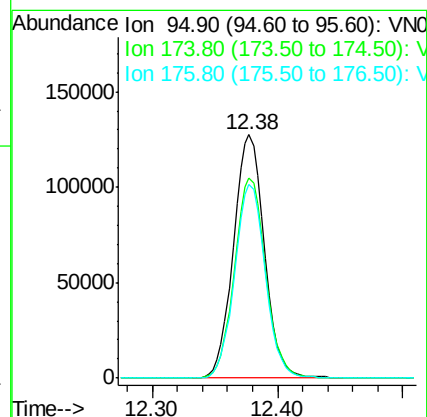
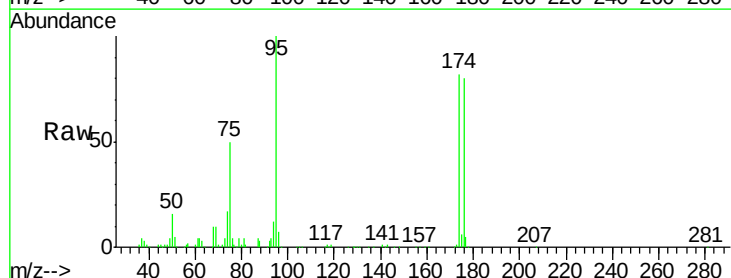
Tgt Ion: 95 Resp: 217483

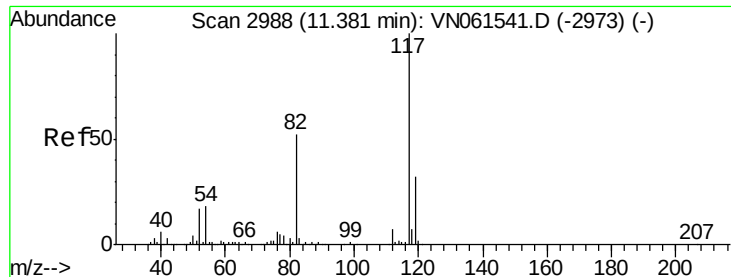
Ion Ratio Lower Upper

95 100

174 83.1 0.0 172.8

176 79.3 0.0 164.8

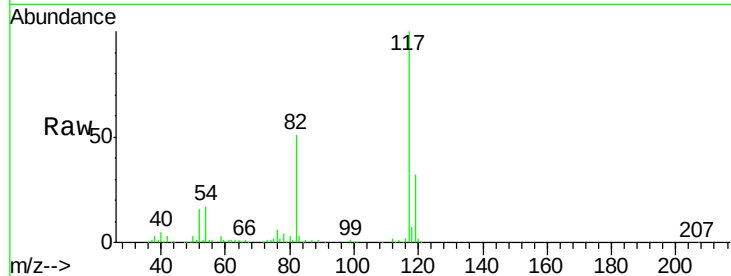




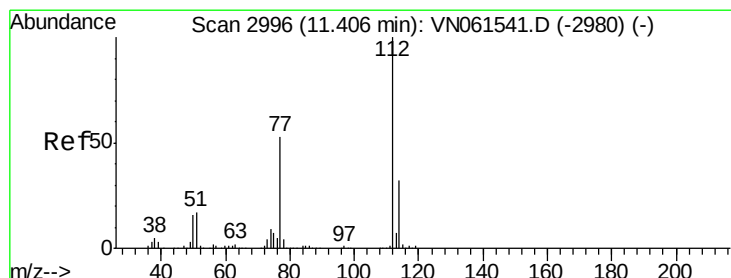
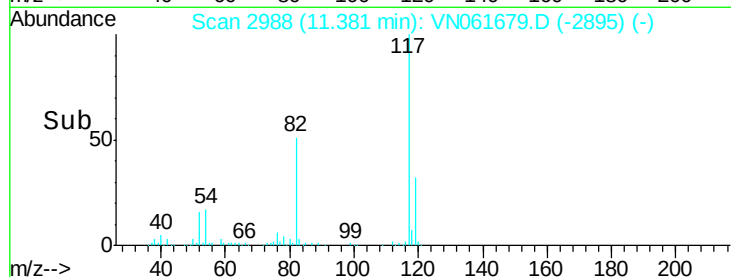
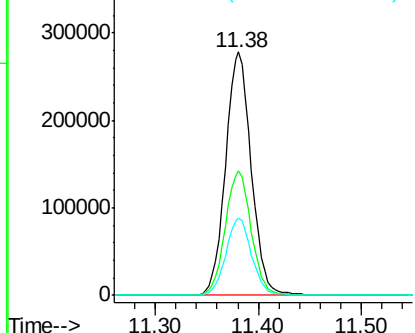
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061679.D
Acq: 5 Jun 2020 19:01

Instrument :
MSVOA_N
ClientSampleId :
LF012MW028-200603

Tgt Ion:117 Resp: 482165
Ion Ratio Lower Upper
117 100
82 50.9 41.5 62.3
119 31.9 25.6 38.4

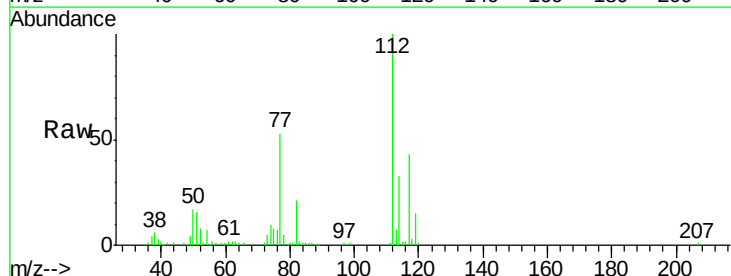


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

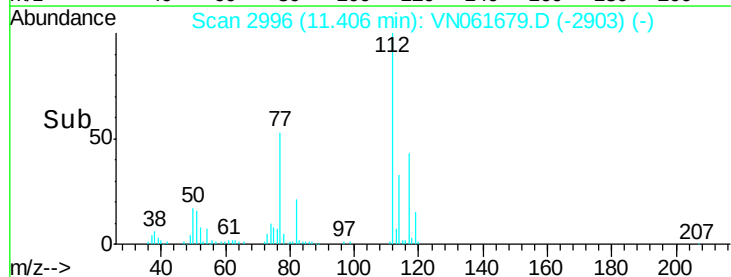
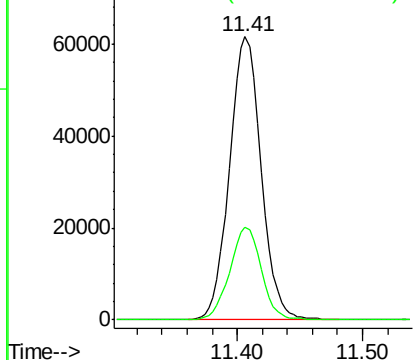


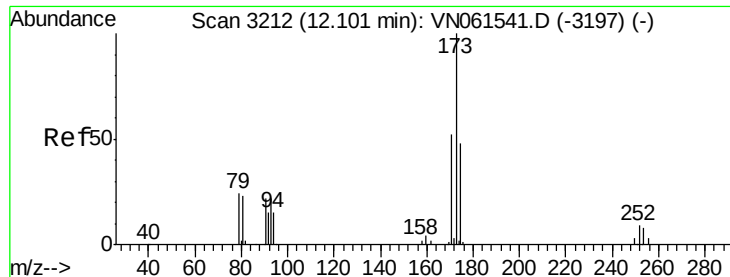
#65
Chlorobenzene
Concen: 10.76 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN061679.D
Acq: 5 Jun 2020 19:01

Tgt Ion:112 Resp: 107860
Ion Ratio Lower Upper
112 100
114 32.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#71

Bromoform

Concen: 0.54 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

LF012MW028-200603

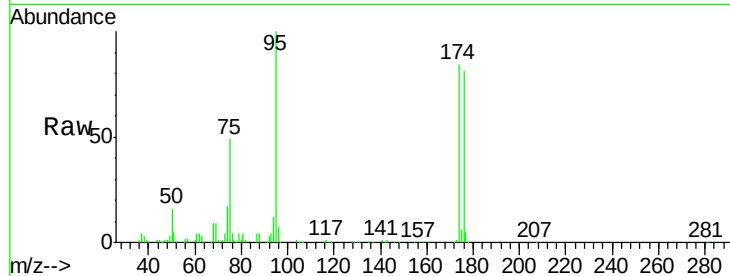
Tgt Ion:173 Resp: 1543

Ion Ratio Lower Upper

173 100

175 701.5 24.4 73.2#

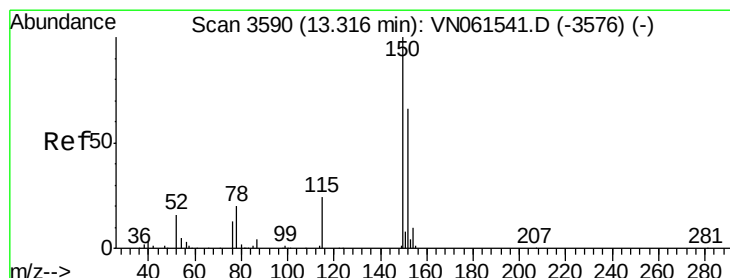
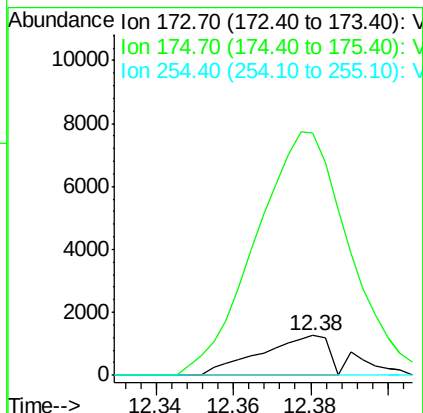
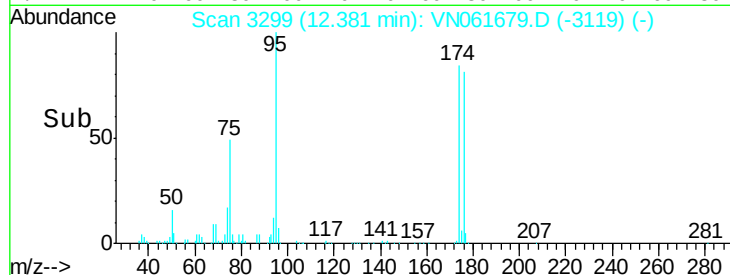
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

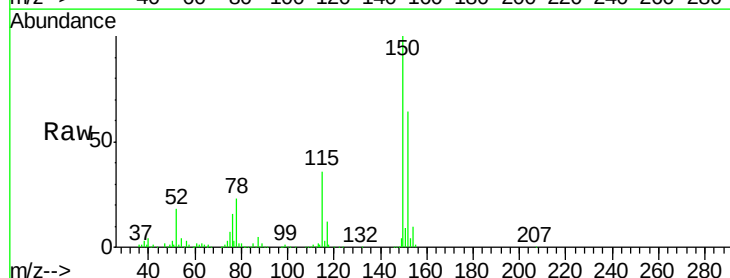
Tgt Ion:152 Resp: 225437

Ion Ratio Lower Upper

152 100

115 57.3 28.0 84.0

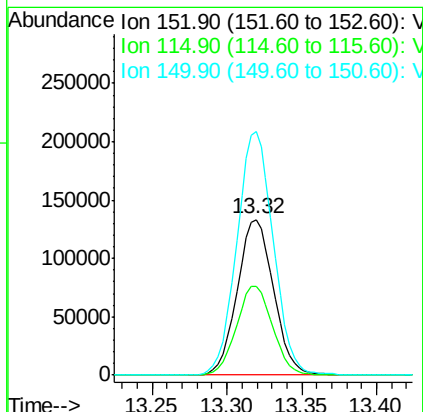
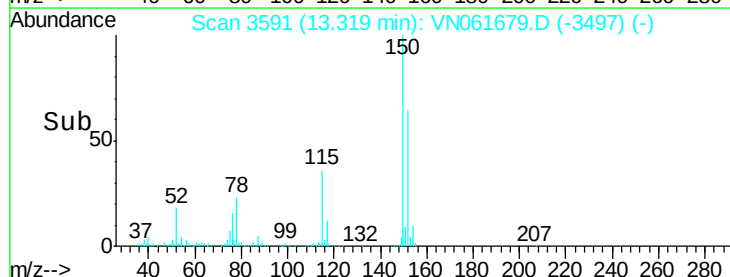
150 157.1 0.0 344.0

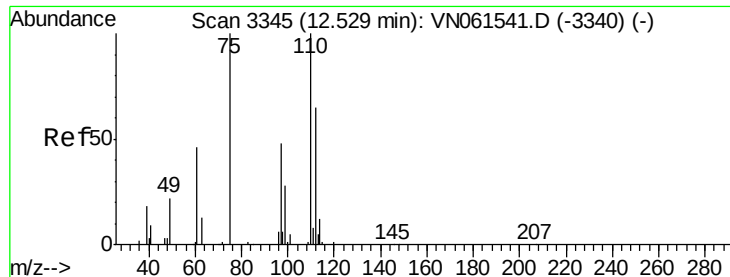


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.28 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

Instrument :

MSVOA_N

ClientSampleId :

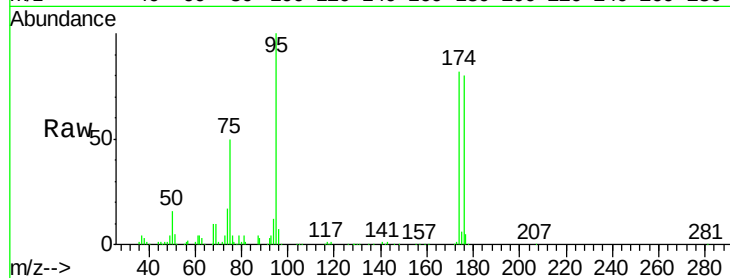
LF012MW028-200603

Tgt Ion: 75 Resp: 107711

Ion Ratio Lower Upper

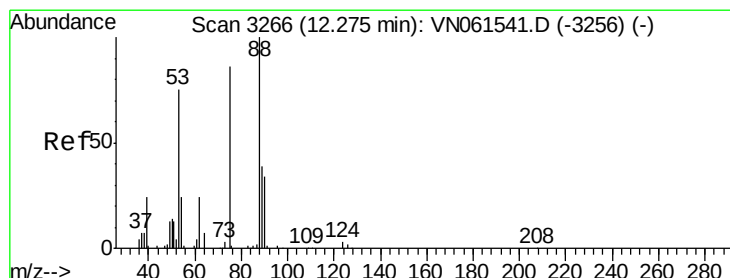
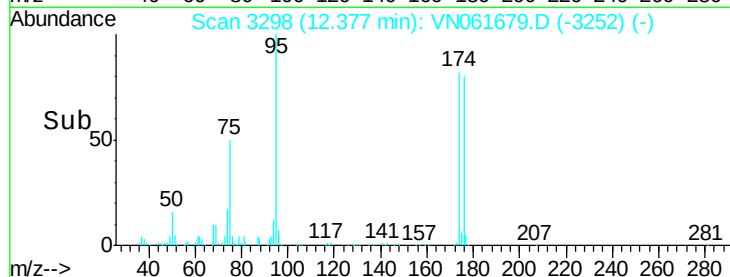
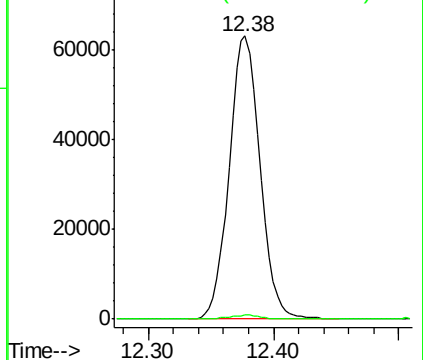
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 67.19 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061679.D

Acq: 5 Jun 2020 19:01

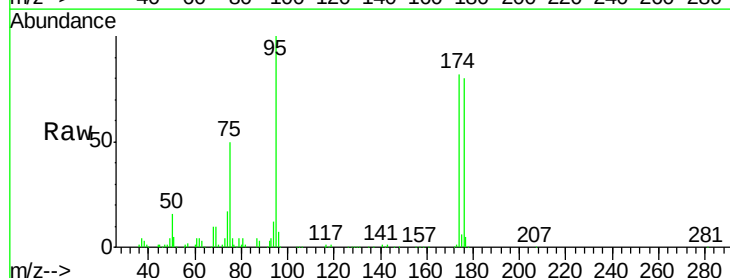
Tgt Ion: 75 Resp: 107711

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

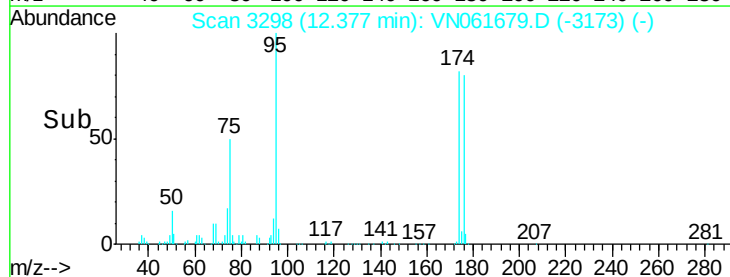
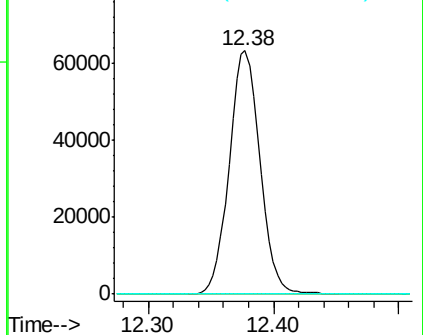
89 0.0 37.1 55.7#

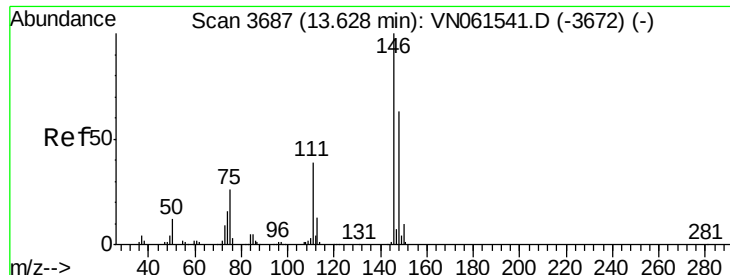


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

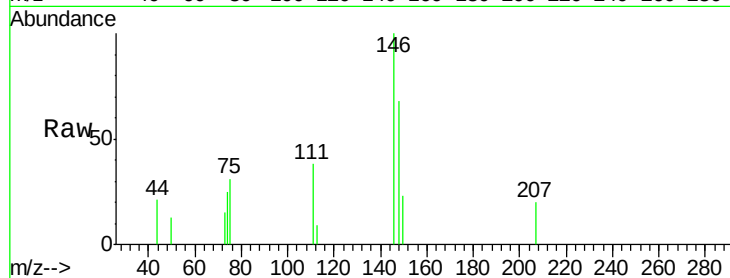




#91
 1,2-Dichlorobenzene
 Concen: 0.47 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN061679.D
 Acq: 5 Jun 2020 19:01

Instrument :
 MSVOA_N
 ClientSampleId :
 LF012MW028-200603

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	20.1	60.2
148	65.9	31.9	95.5



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

