

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061338.D
 Acq On : 7 May 2020 16:53
 Operator : JC/MD
 Sample : L2548-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 02:55:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042720W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 05 07:01:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	92583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	169405	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	162759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	69106	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	79267	54.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.22%	
35) Dibromofluoromethane	7.55	113	51436	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
50) Toluene-d8	10.06	98	209997	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.38	95	76717	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	

Target Compounds

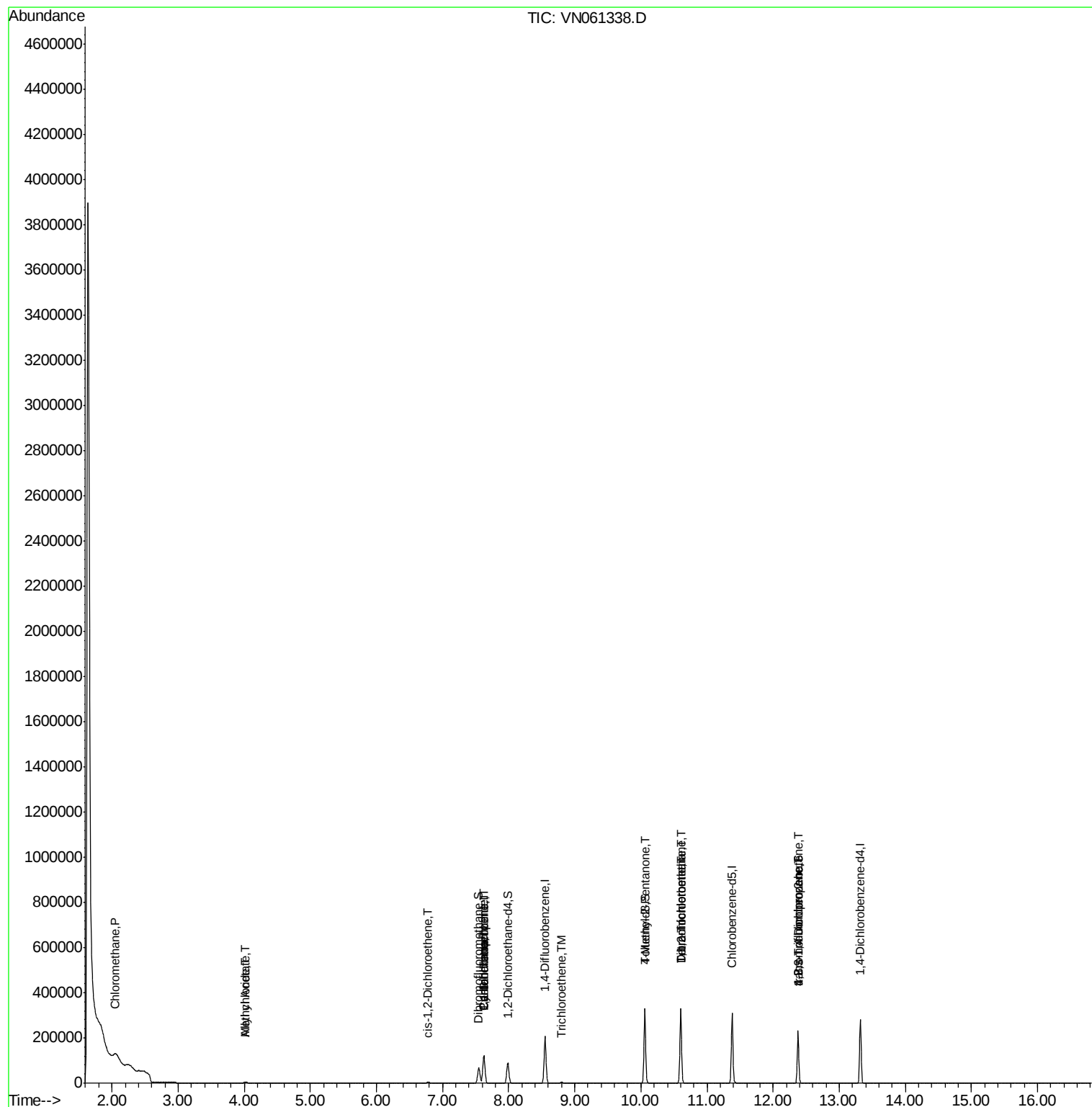
						Qvalue
3) Chloromethane	2.03	50	296	0.249	ug/l #	42
14) Allyl chloride	4.01	41	440	0.243	ug/l #	1
16) Acetone	3.77	43	616	Below Cal	#	47
18) Methyl Acetate	4.02	43	2926	2.240	ug/l #	55
27) cis-1,2-Dichloroethene	6.78	96	1882	1.508	ug/l	83
31) Cyclohexane	7.62	56	2521	1.183	ug/l #	30
36) 1,1-Dichloropropene	7.63	75	8562	5.049	ug/l #	50
38) Carbon Tetrachloride	7.63	117	10035	8.476	ug/l #	17
44) Trichloroethene	8.80	130	1793	1.313	ug/l	93
51) 4-Methyl-2-Pentanone	10.06	43	1296	0.667	ug/l #	1
55) 1,1,2-Trichloroethane	10.60	97	651	0.536	ug/l #	1
60) Dibromochloromethane	10.60	129	68064	53.539	ug/l #	10
64) Tetrachloroethene	10.60	164	70444	49.972	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	42708	29.313	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	42708	74.441	ug/l #	8

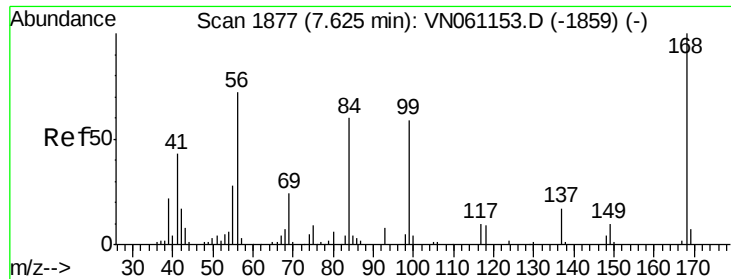
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VN061338.D

Acq: 7 May 2020 16:53

Instrument :

MSVOA_N

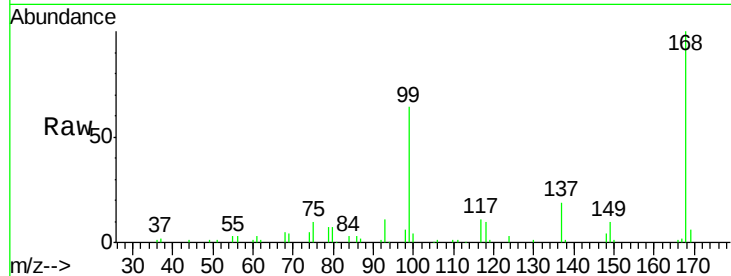
ClientSampleId :

Tot Ion:168 Resp: 92583

Ion Ratio Lower Upper

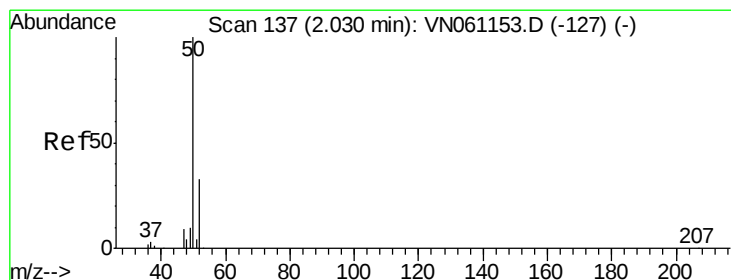
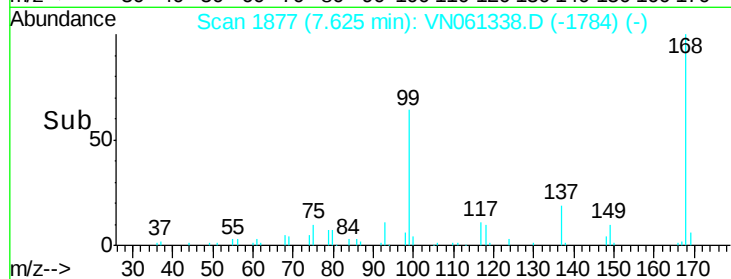
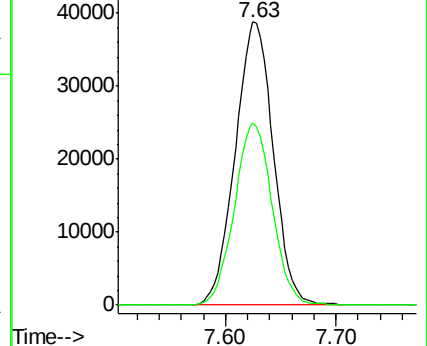
168 100

99 64.3 51.2 76.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.249 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061338.D

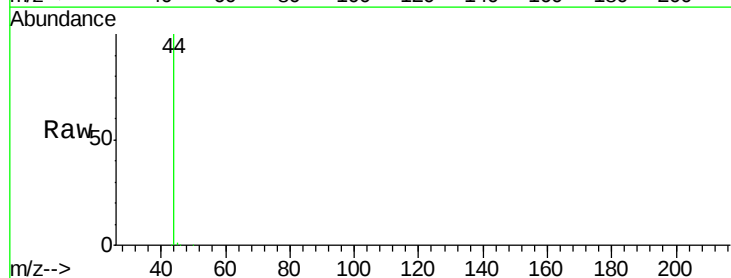
Acq: 7 May 2020 16:53

Tgt Ion: 50 Resp: 296

Ion Ratio Lower Upper

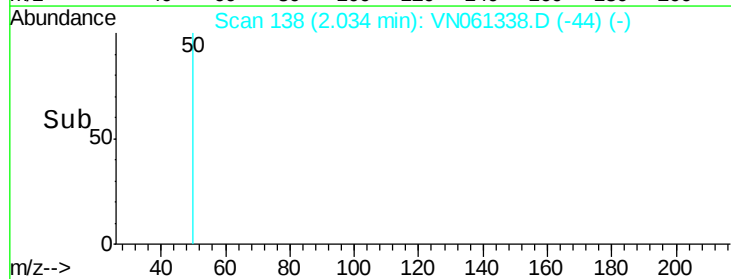
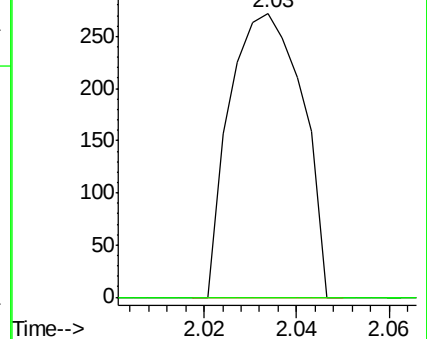
50 100

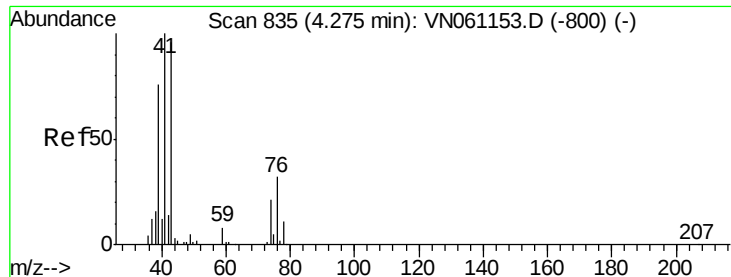
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#14

Allvl chloride

Concen: 0.243 ug/l

RT: 4.01 min Scan# 753

Delta R.T. -0.26 min

Lab File: VN061338.D

Acq: 7 May 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

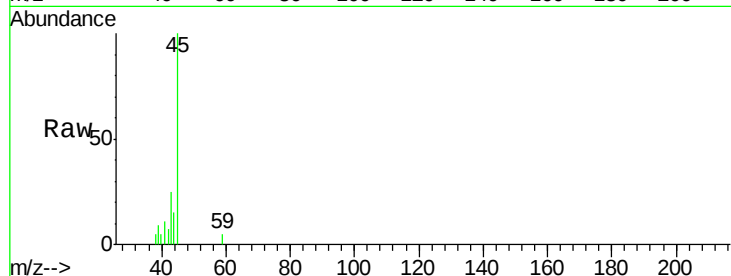
Tot Ion: 41 Resp: 440

Ion Ratio Lower Upper

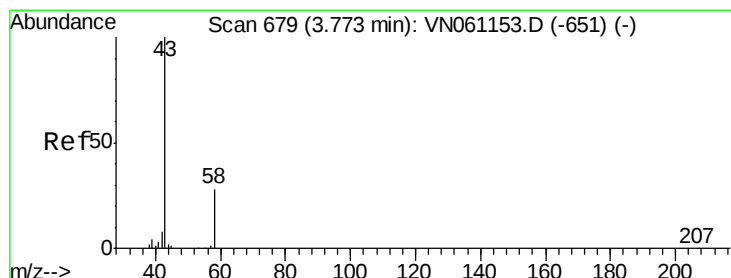
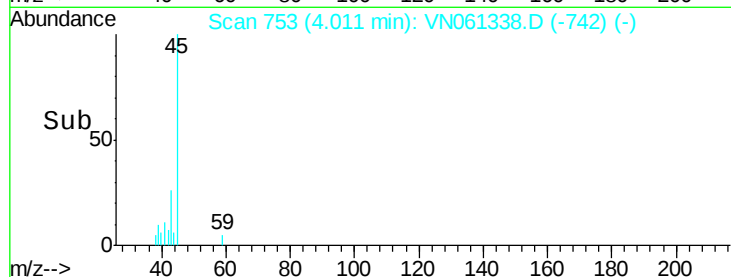
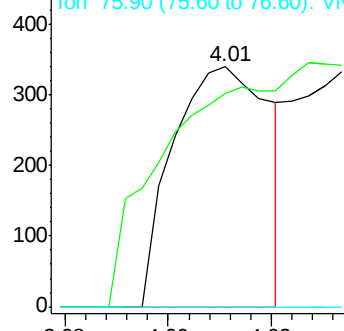
41 100

39 212.5 57.1 85.7#

76 0.0 24.3 36.5#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO



#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN061338.D

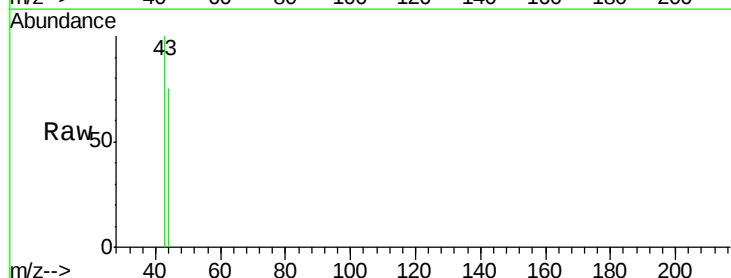
Acq: 7 May 2020 16:53

Tgt Ion: 43 Resp: 616

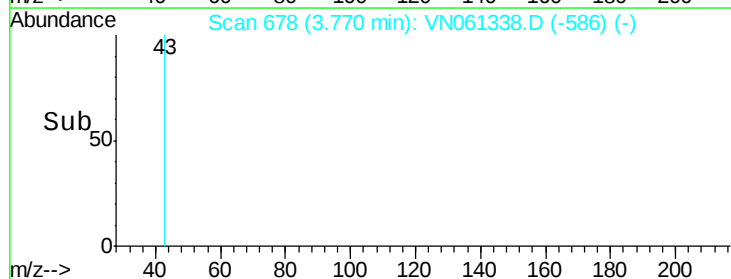
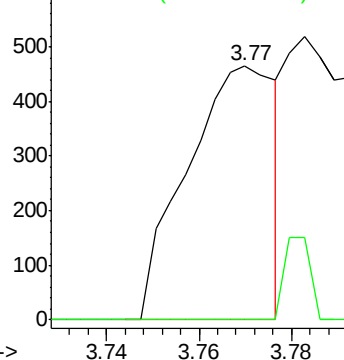
Ion Ratio Lower Upper

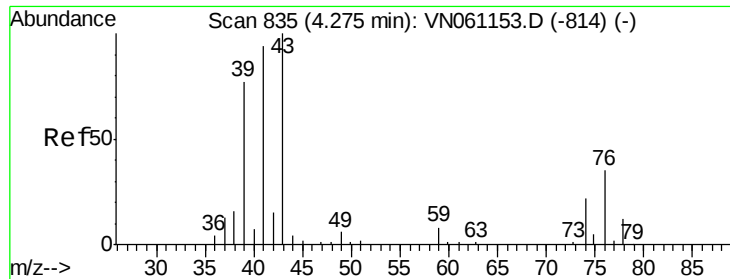
43 100

58 0.0 22.2 33.2#



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

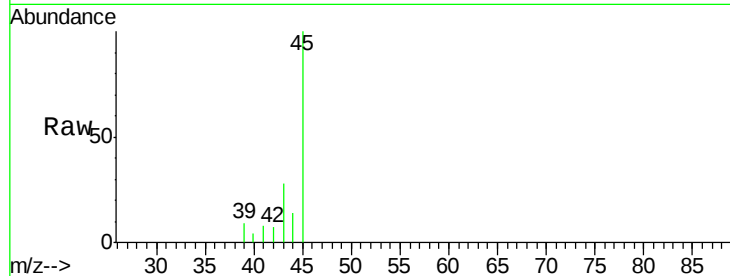




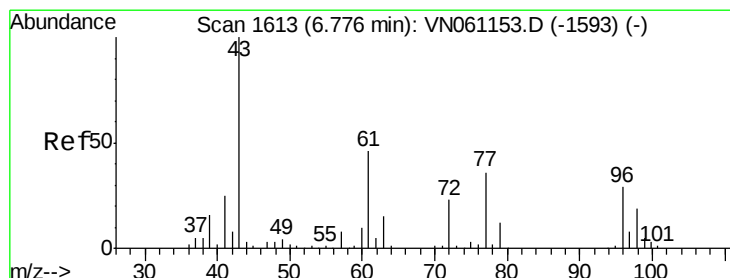
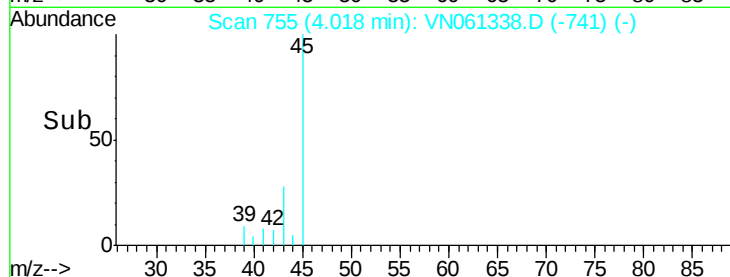
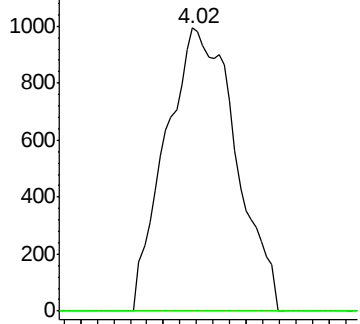
#18
Methyl Acetate
Concen: 2.240 ug/l
RT: 4.02 min Scan# 755
Delta R.T. -0.26 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2926
Ion Ratio Lower Upper
43 100
74 0.0 17.0 25.4#

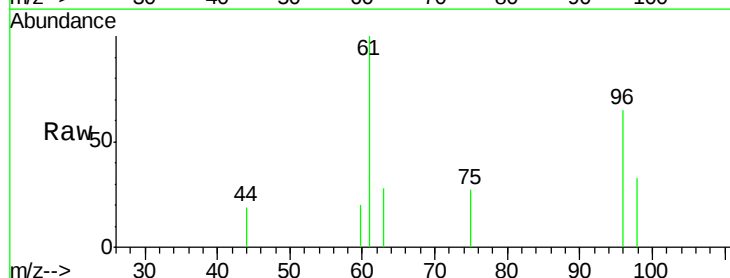


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

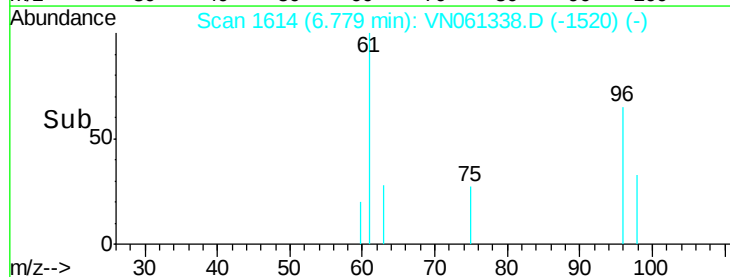
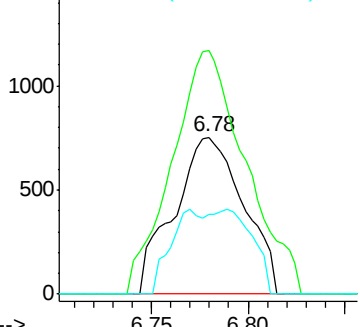


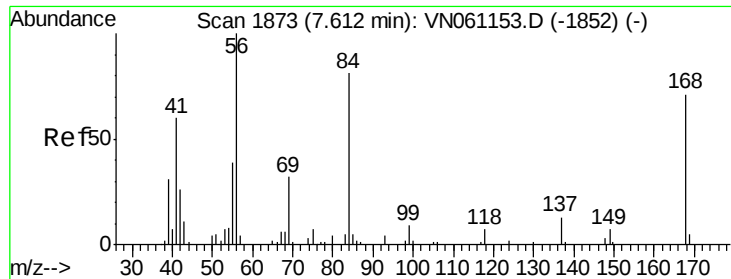
#27
cis-1,2-Dichloroethene
Concen: 1.508 ug/l
RT: 6.78 min Scan# 1614
Delta R.T. 0.00 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Tgt Ion: 96 Resp: 1882
Ion Ratio Lower Upper
96 100
61 164.9 0.0 322.0
98 24.8 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

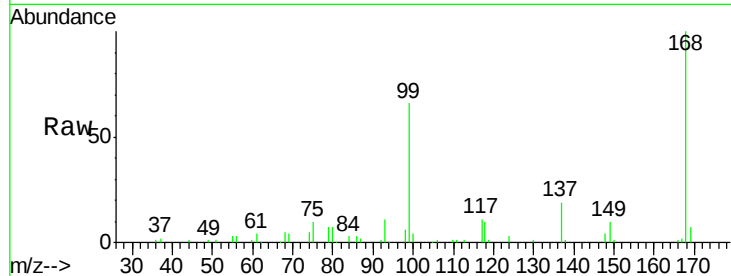




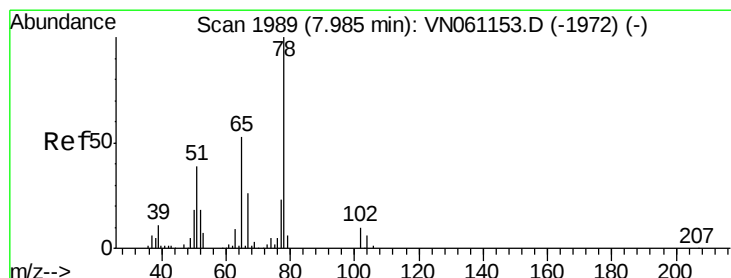
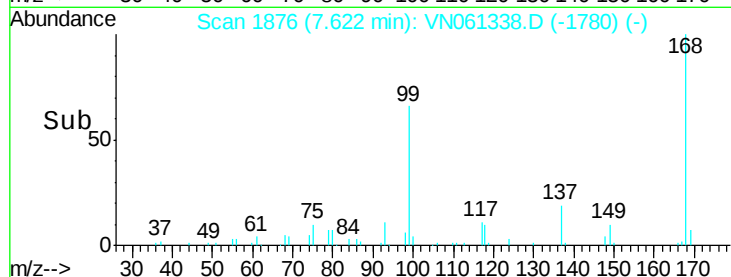
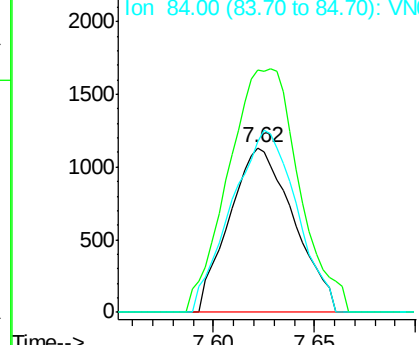
#31
Cyclohexane
Concen: 1.183 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. 0.01 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 2521
Ion Ratio Lower Upper
56 100
69 132.9 25.7 38.5#
84 103.7 64.6 97.0#

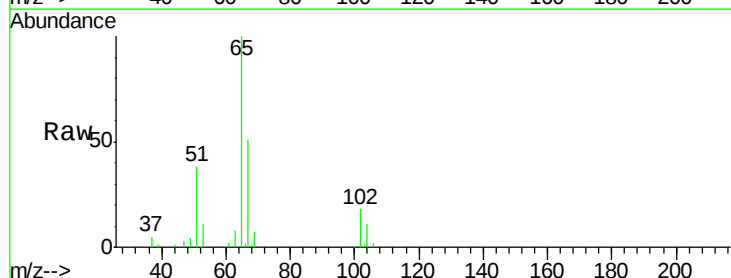


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

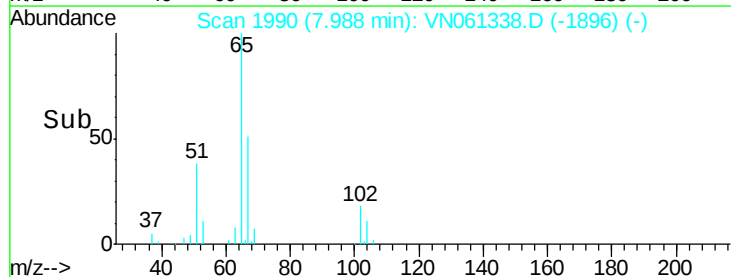
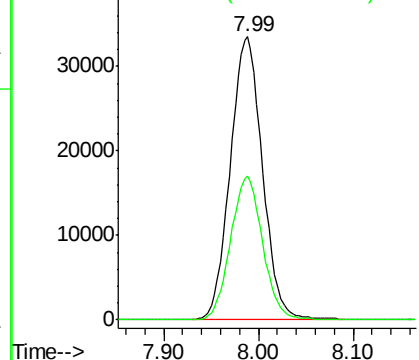


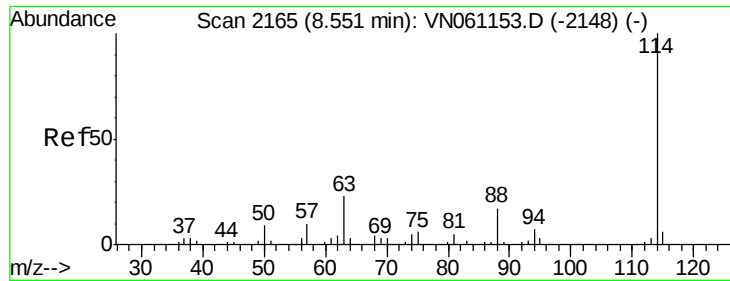
#33
1,2-Dichloroethane-d4
Concen: 54.109 ug/l
RT: 7.99 min Scan# 1990
Delta R.T. 0.00 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Tgt Ion: 65 Resp: 79267
Ion Ratio Lower Upper
65 100
67 50.3 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

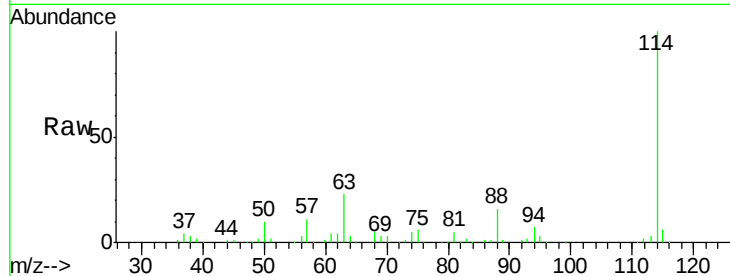




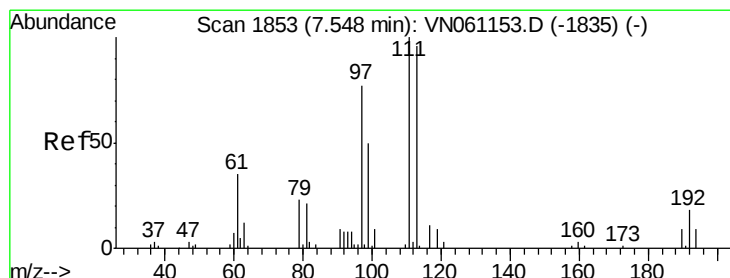
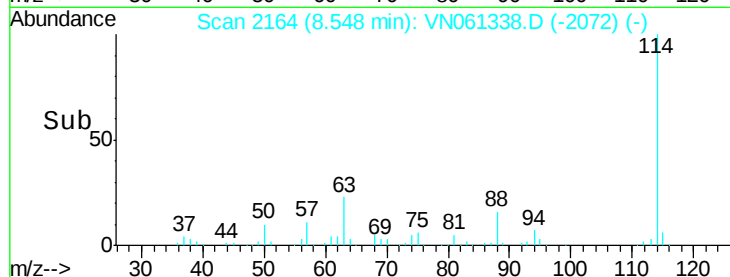
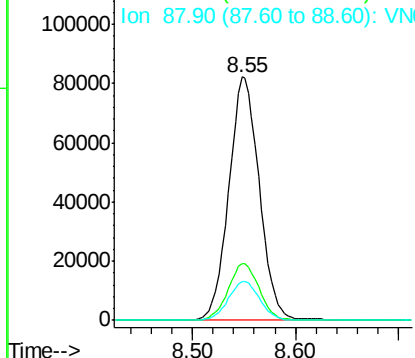
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VN061338.D
 Acq: 7 May 2020 16:53

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 169405
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.6
 88 16.1 0.0 33.4

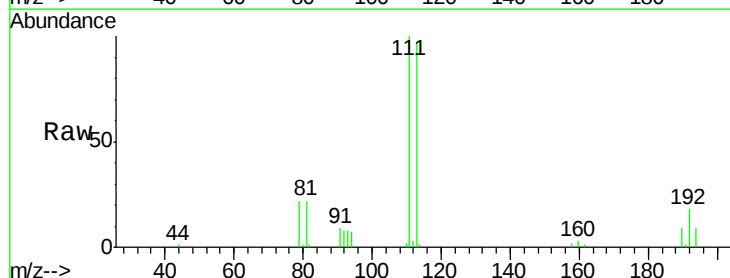


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

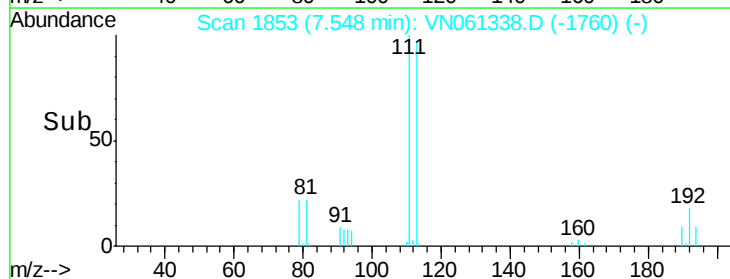
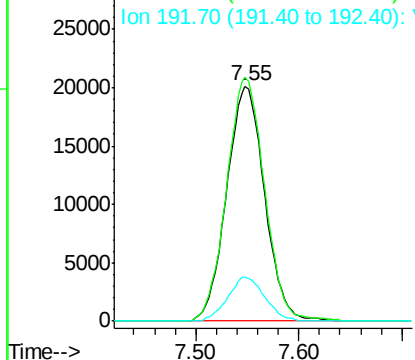


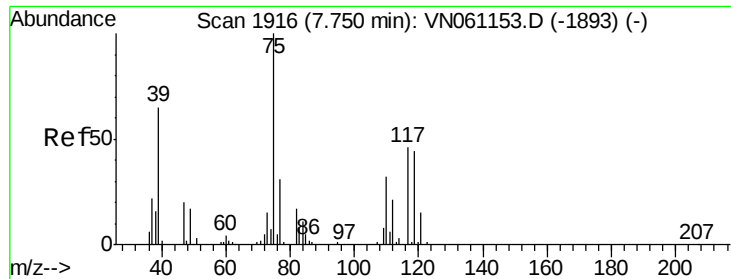
#35
 Dibromofluoromethane
 Concen: 51.347 ug/l
 RT: 7.55 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VN061338.D
 Acq: 7 May 2020 16:53

Tgt Ion:113 Resp: 51436
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.9 124.3
 192 18.2 14.7 22.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

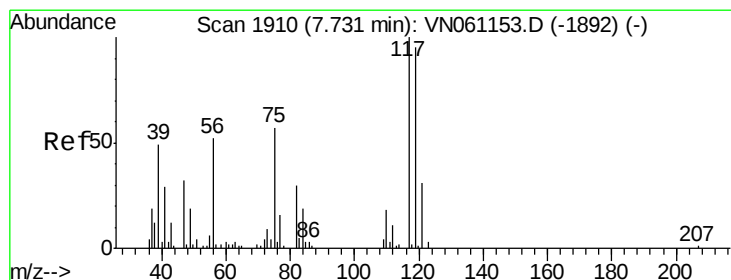
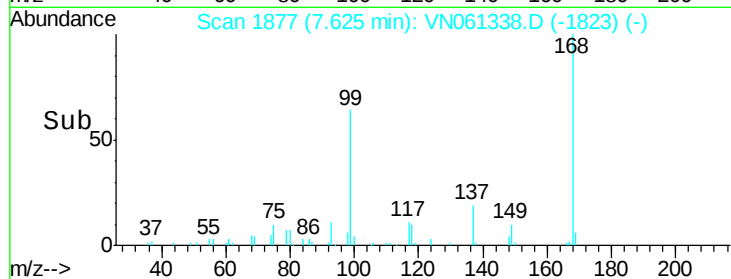
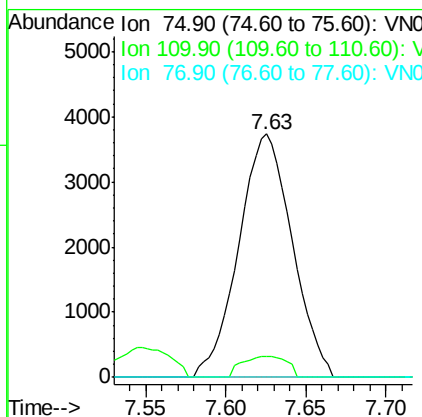
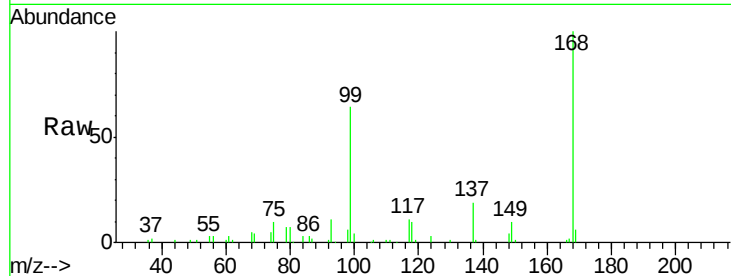




#36
 1,1-Dichloropropene
 Concen: 5.049 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.13 min
 Lab File: VN061338.D
 Acq: 7 May 2020 16:53

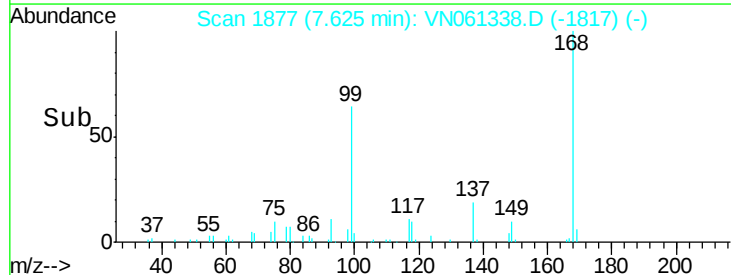
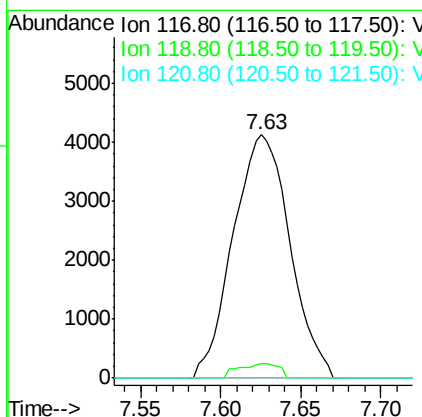
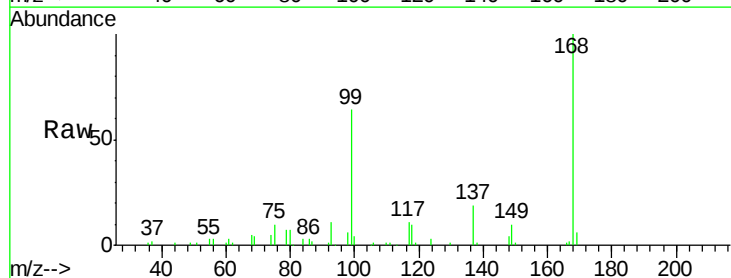
Instrument :
 MSVOA_N
 ClientSampleId :

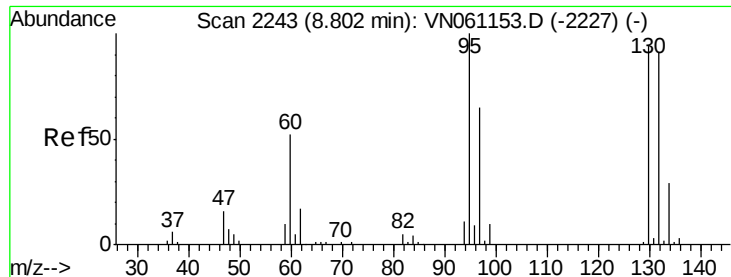
Tot Ion	75	Resp	8562
Ion Ratio	Lower	Upper	
75	100		
110	7.1	16.0	48.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 8.476 ug/l
 RT: 7.63 min Scan# 1877
 Delta R.T. -0.11 min
 Lab File: VN061338.D
 Acq: 7 May 2020 16:53

Tgt Ion	117	Resp	10035
Ion Ratio	Lower	Upper	
117	100		
119	6.2	75.8	113.6#
121	0.0	24.7	37.1#





#44

Trichloroethene

Concen: 1.313 ug/l

RT: 8.80 min Scan# 2242

Delta R.T. -0.00 min

Lab File: VN061338.D

Acq: 7 May 2020 16:53

Instrument :

MSVOA_N

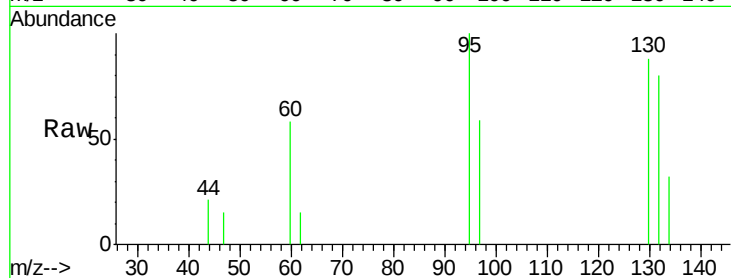
ClientSampled :

Tot Ion:130 Resp: 1793

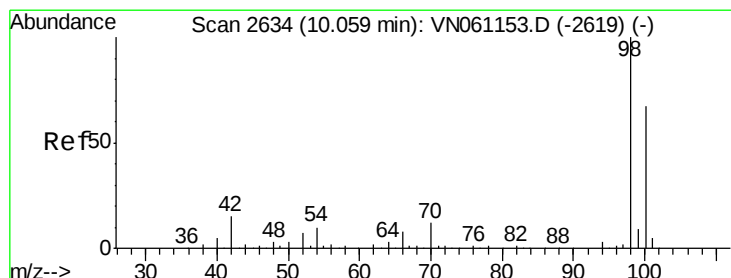
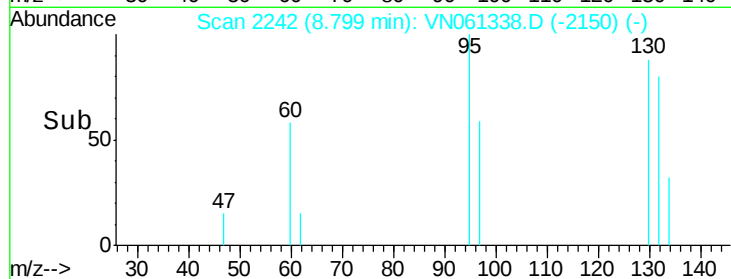
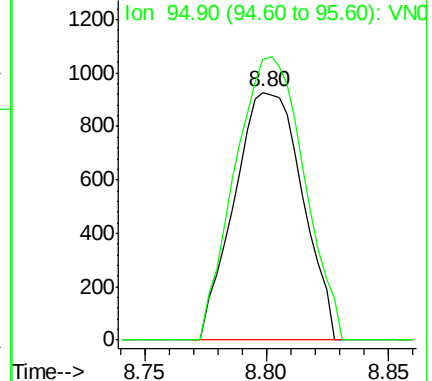
Ion Ratio Lower Upper

130 100

95 113.0 0.0 212.4



Abundance Ion 129.80 (129.50 to 130.50): VN061153.D (-2227) (-)



#50

Toluene-d8

Concen: 51.425 ug/l

RT: 10.06 min Scan# 2634

Delta R.T. 0.00 min

Lab File: VN061338.D

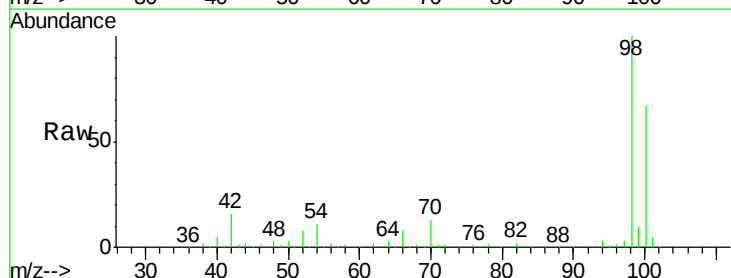
Acq: 7 May 2020 16:53

Tgt Ion: 98 Resp: 209997

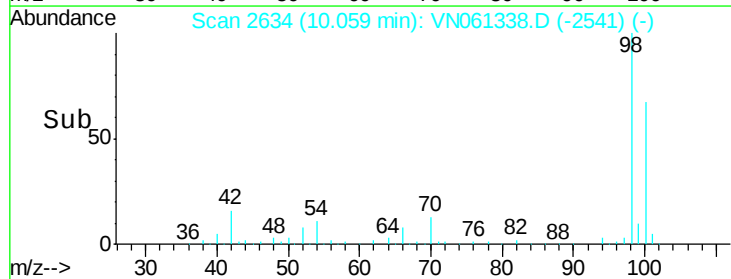
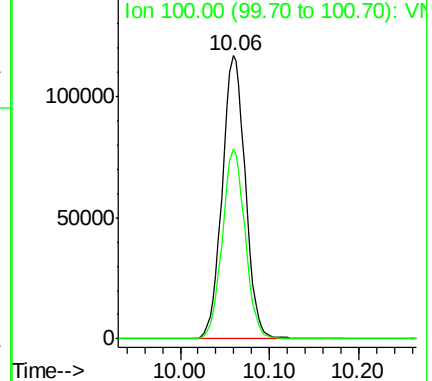
Ion Ratio Lower Upper

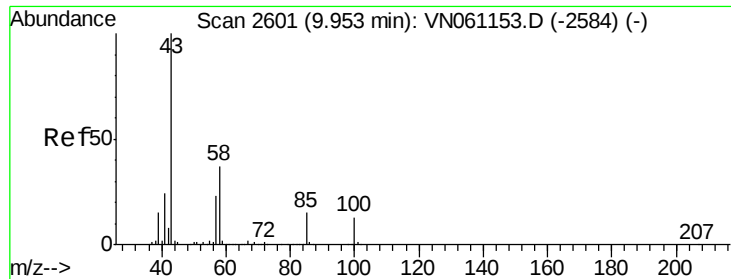
98 100

100 65.9 53.4 80.0



Abundance Ion 98.00 (97.70 to 98.70): VN061153.D (-2619) (-)

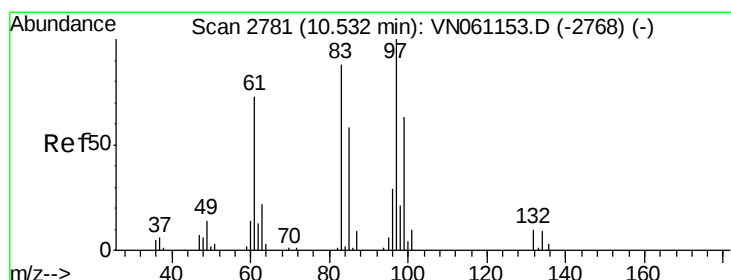
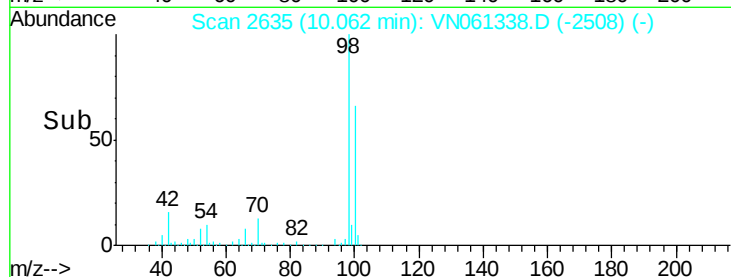
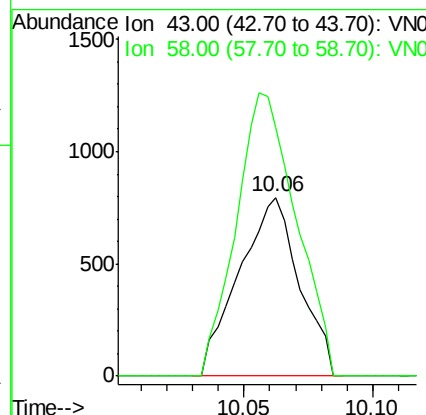
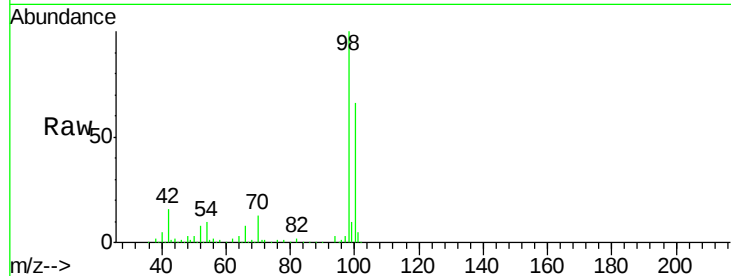




#51
 4-Methyl-2-Pentanone
 Concen: 0.667 ug/l
 RT: 10.06 min Scan# 2635
 Delta R.T. 0.11 min
 Lab File: VN061338.D
 Acq: 7 May 2020 16:53

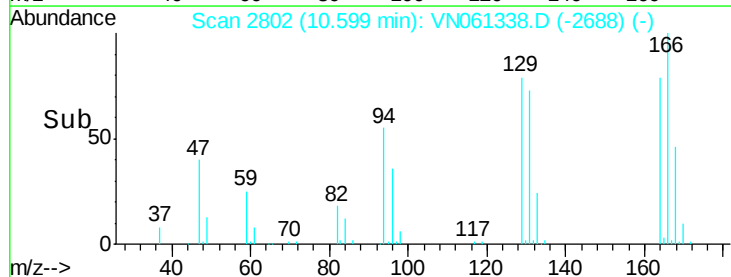
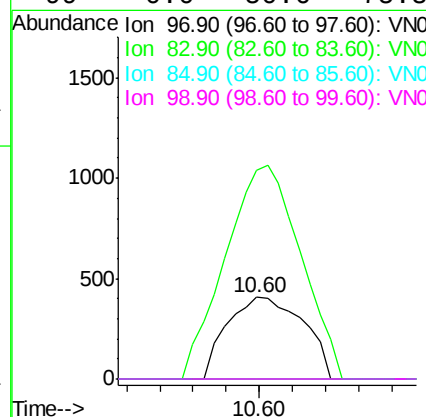
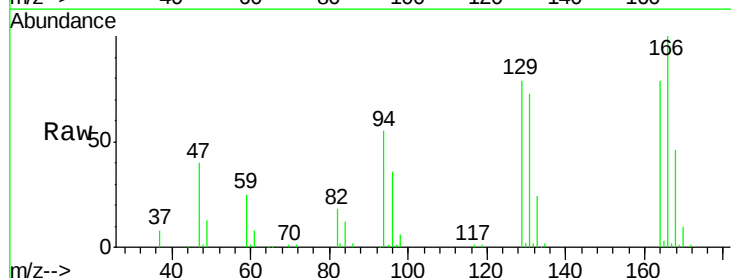
Instrument :
 MSVOA_N
 ClientSampled :

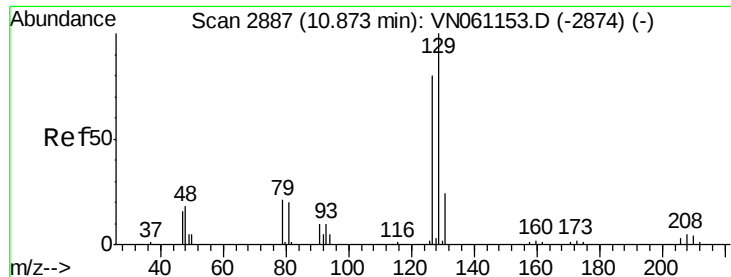
Tot Ion: 43 Resp: 1296
 Ion Ratio Lower Upper
 43 100
 58 157.4 29.1 43.7#



#55
 1,1,2-Trichloroethane
 Concen: 0.536 ug/l
 RT: 10.60 min Scan# 2802
 Delta R.T. 0.07 min
 Lab File: VN061338.D
 Acq: 7 May 2020 16:53

Tgt Ion: 97 Resp: 651
 Ion Ratio Lower Upper
 97 100
 83 256.7 70.6 106.0#
 85 0.0 46.4 69.6#
 99 0.0 50.6 75.8#

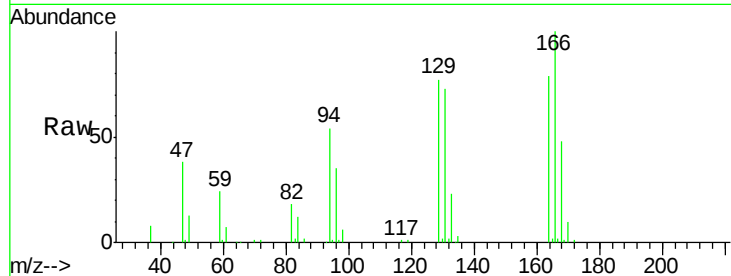




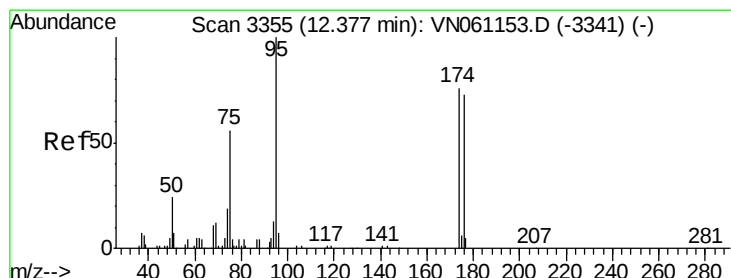
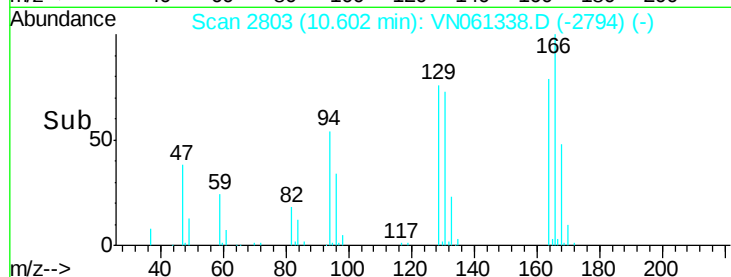
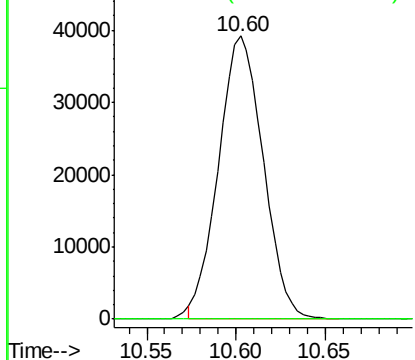
#60
Dibromochloromethane
Concen: 53.539 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. -0.27 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:129 Resp: 68064
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

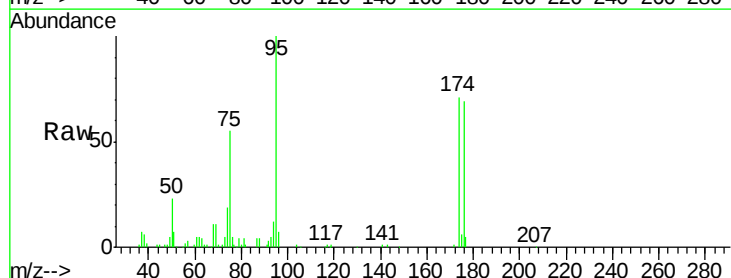


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

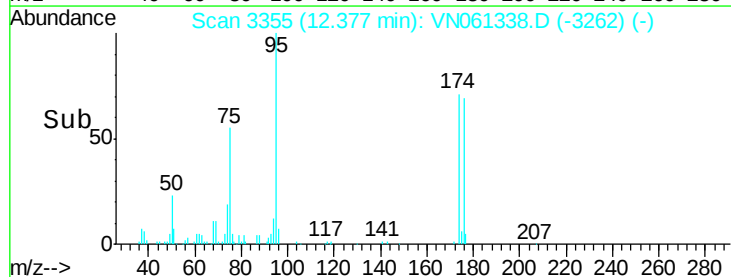
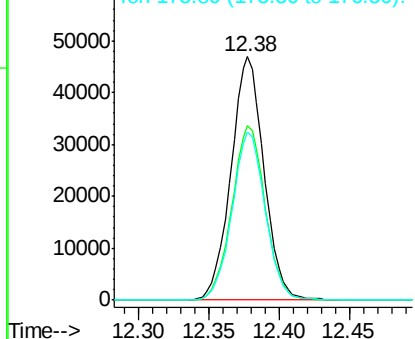


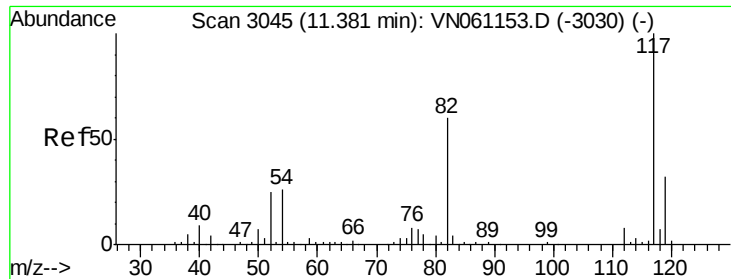
#62
4-Bromofluorobenzene
Concen: 49.923 ug/l
RT: 12.38 min Scan# 3355
Delta R.T. 0.00 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Tgt Ion: 95 Resp: 76717
Ion Ratio Lower Upper
95 100
174 72.4 0.0 149.4
176 69.3 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): V
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

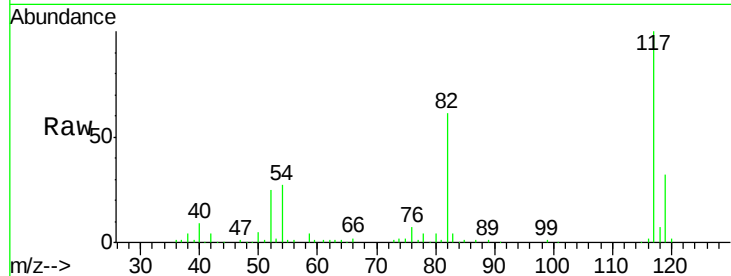




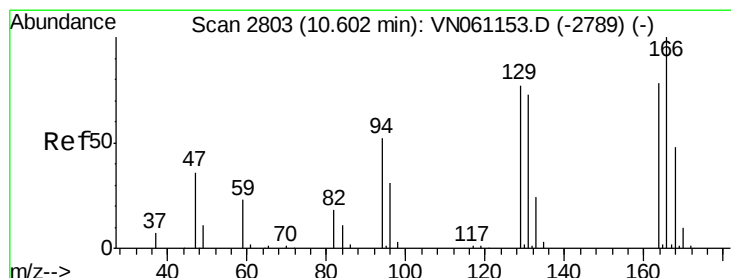
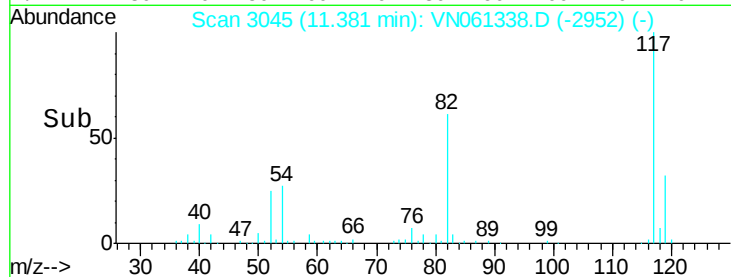
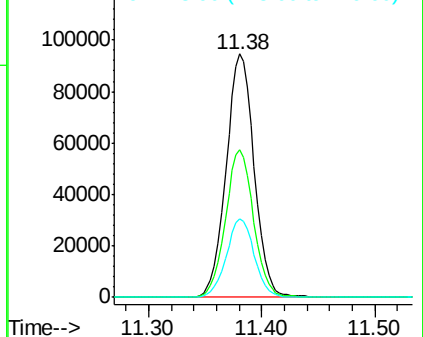
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 3045
Delta R.T. 0.00 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 162759
Ion Ratio Lower Upper
117 100
82 60.7 47.8 71.8
119 32.4 25.8 38.6



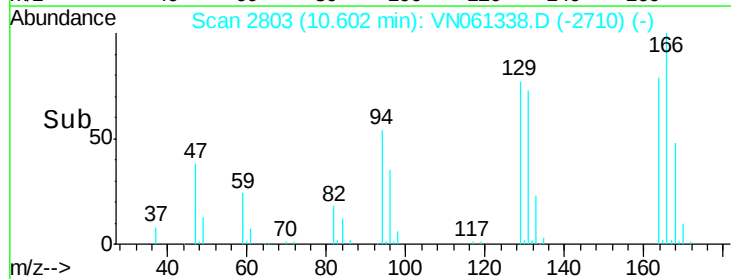
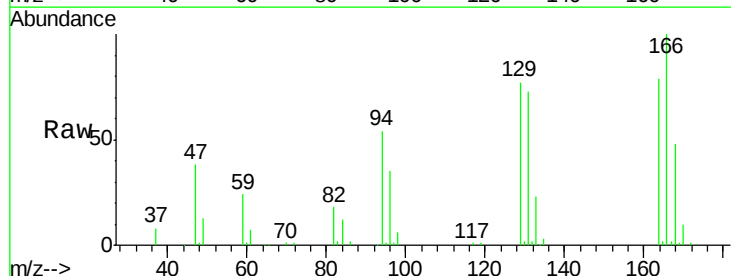
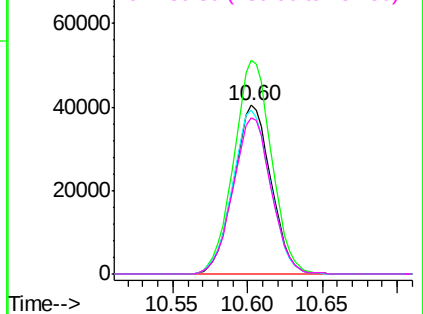
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

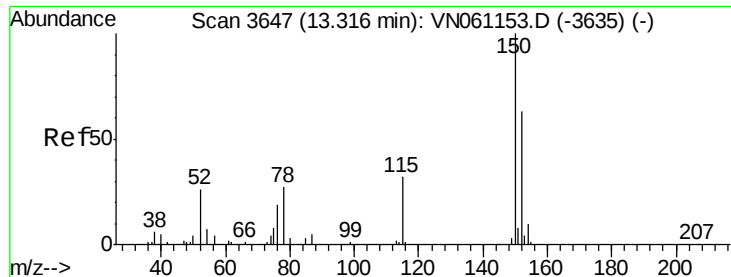


#64
Tetrachloroethene
Concen: 49.972 ug/l
RT: 10.60 min Scan# 2803
Delta R.T. 0.00 min
Lab File: VN061338.D
Acq: 7 May 2020 16:53

Tgt Ion:164 Resp: 70444
Ion Ratio Lower Upper
164 100
166 126.8 102.0 153.0
129 97.2 78.2 117.2
131 92.7 74.5 111.7

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061338.D

Acq: 7 May 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

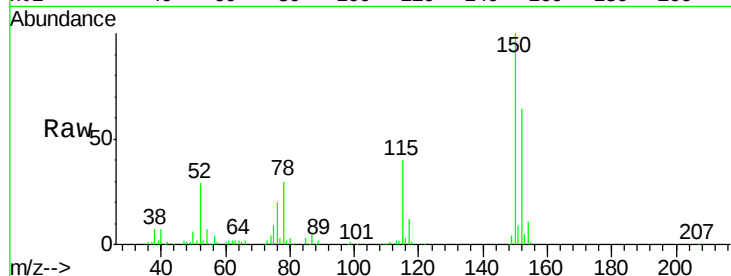
Tot Ion:152 Resp: 69106

Ion Ratio Lower Upper

152 100

115 62.8 31.0 93.0

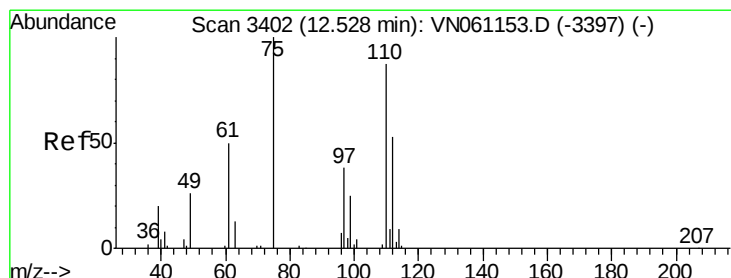
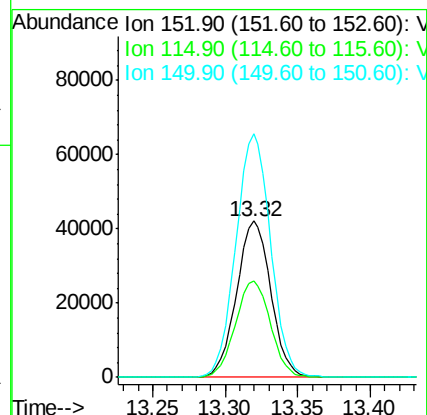
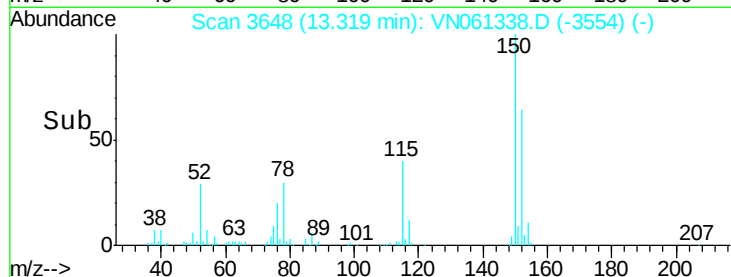
150 157.7 0.0 351.8



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: 29.313 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. -0.15 min

Lab File: VN061338.D

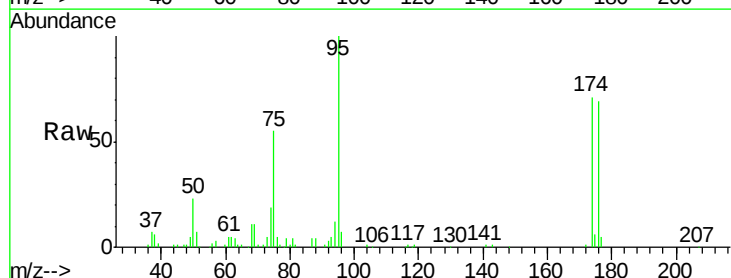
Acq: 7 May 2020 16:53

Tgt Ion: 75 Resp: 42708

Ion Ratio Lower Upper

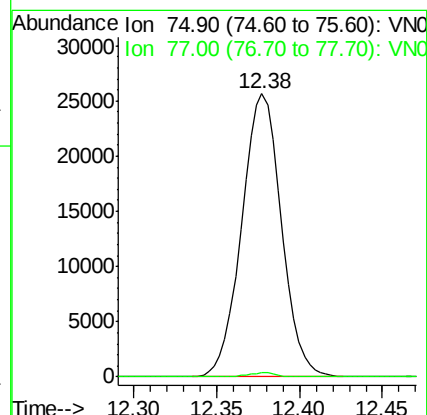
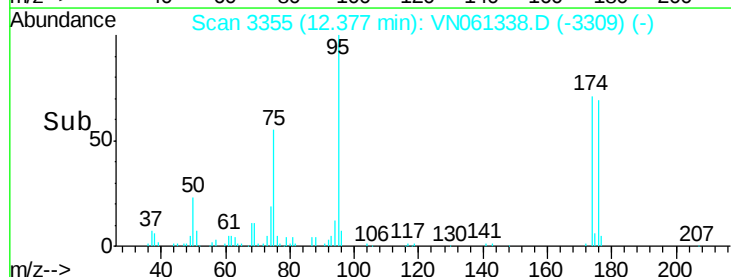
75 100

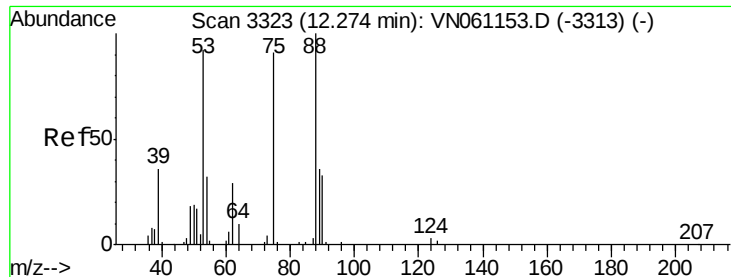
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 74.441 ug/l

RT: 12.38 min Scan# 3355

Delta R.T. 0.10 min

Lab File: VN061338.D

Acq: 7 May 2020 16:53

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 42708

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

89 0.0 35.2 52.8#

