

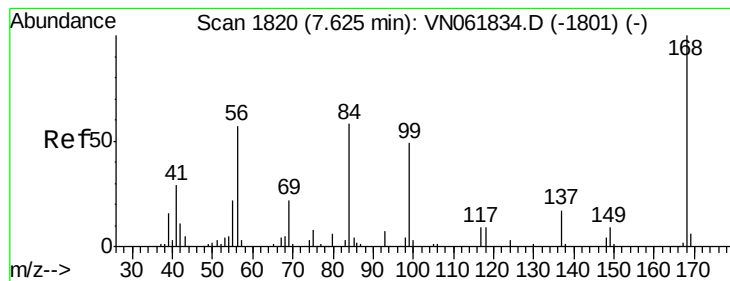
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061920\
 Data File : VN061975.D
 Acq On : 20 Jun 2020 4:27
 Operator : JC/MD
 Sample : L3043-22
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20200612

Quant Time: Jun 22 00:42:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	145083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	263207	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	254430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	96747	49.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.44%	
35) Dibromofluoromethane	7.55	113	85187	50.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.18%	
50) Toluene-d8	10.06	98	328176	49.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.38	95	107631	47.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.80%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.16	62	1290	0.537	ug/l	95
31) Cyclohexane	7.62	56	3103	1.210	ug/l #	20
36) 1,1-Dichloropropene	7.63	75	11969	4.986	ug/l #	44
38) Carbon Tetrachloride	7.63	117	14428	6.069	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1363	0.730	ug/l #	1
71) Bromoform	12.38	173	978	0.716	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	53395	27.768	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	53395	75.734	ug/l #	14
95) Naphthalene	15.12	128	100	3.502	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061975.D

Acq: 20 Jun 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

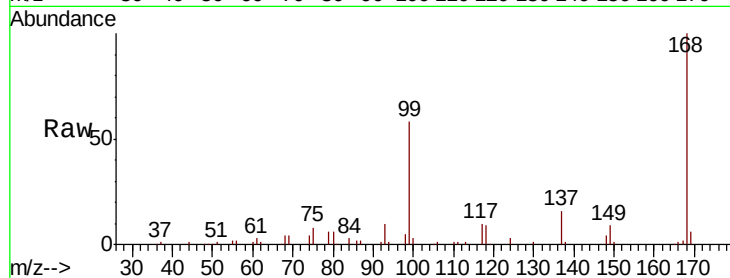
TB-20200612

Tot Ion:168 Resp: 145083

Ion Ratio Lower Upper

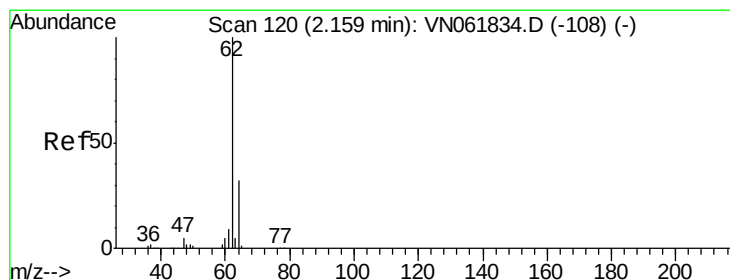
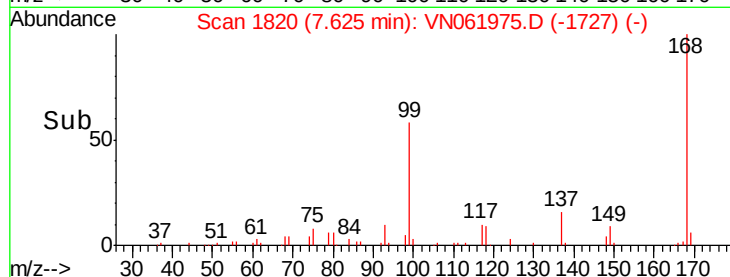
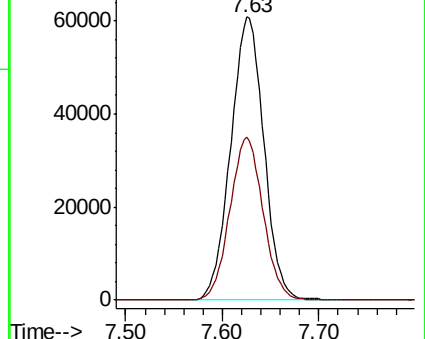
168 100

99 57.8 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#4

Vinyl Chloride

Concen: 0.537 ug/l

RT: 2.16 min Scan# 120

Delta R.T. -0.00 min

Lab File: VN061975.D

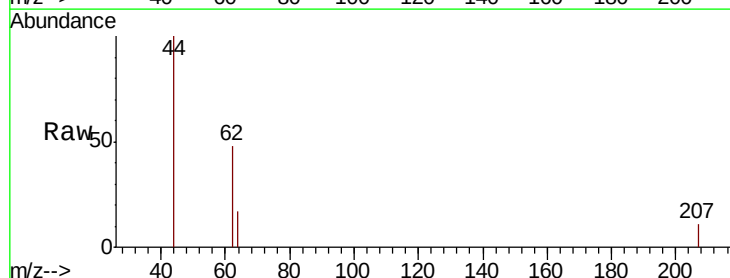
Acq: 20 Jun 2020 4:27

Tgt Ion: 62 Resp: 1290

Ion Ratio Lower Upper

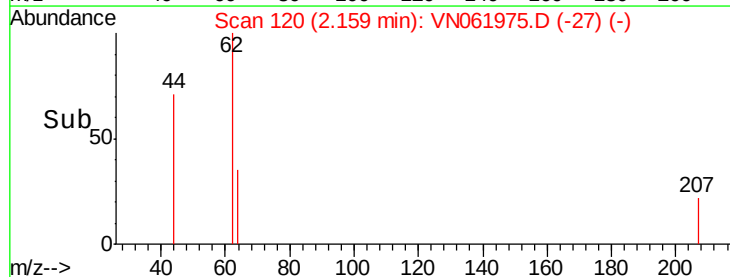
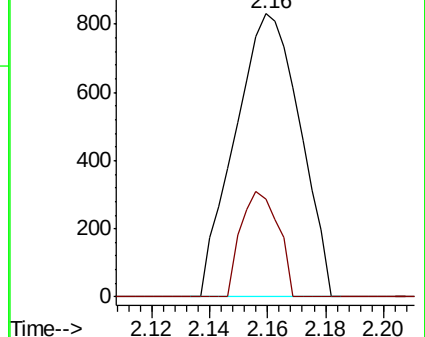
62 100

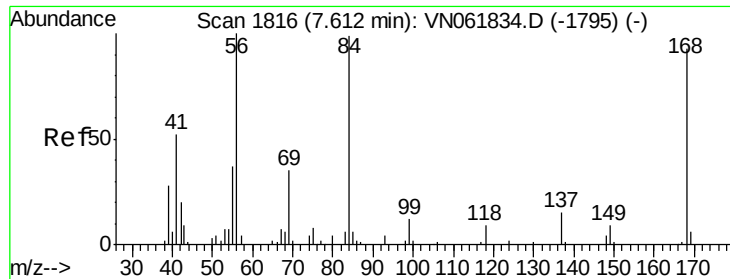
64 34.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

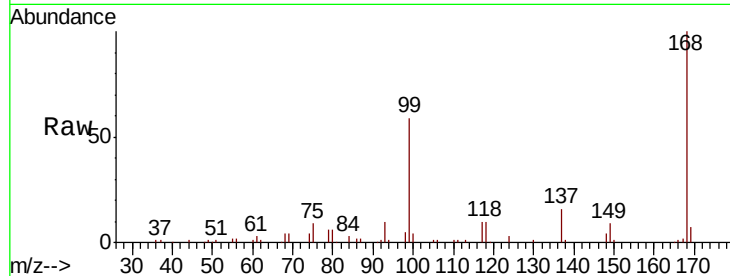




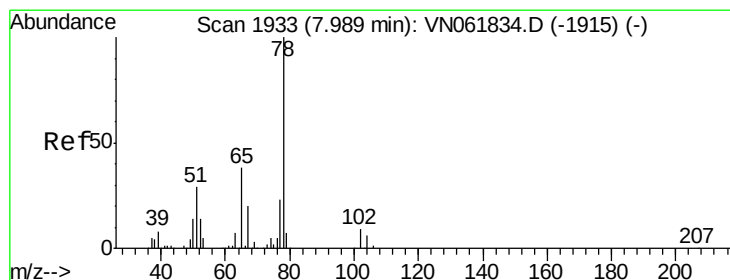
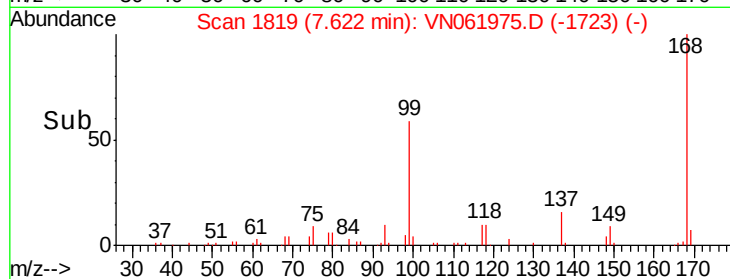
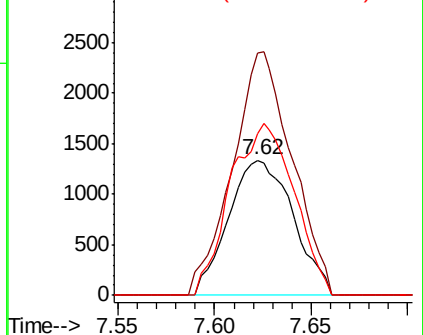
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061975.D
Acq: 20 Jun 2020 4:27

Instrument :
MSVOA_N
ClientSampled :
TB-20200612

Tot Ion: 56 Resp: 3103
Ion Ratio Lower Upper
56 100
69 179.2 27.7 41.5#
84 119.7 79.1 118.7#

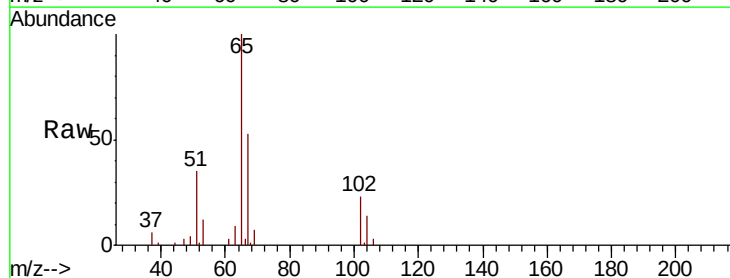


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

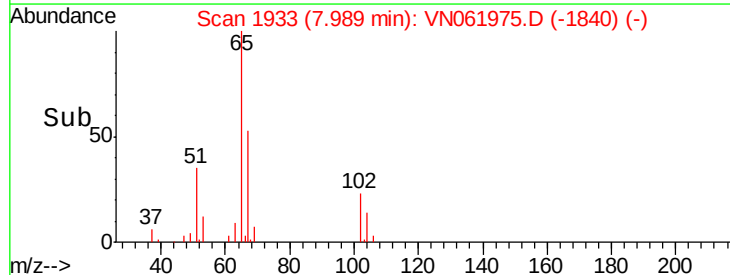
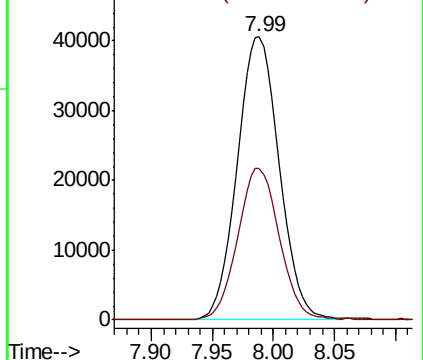


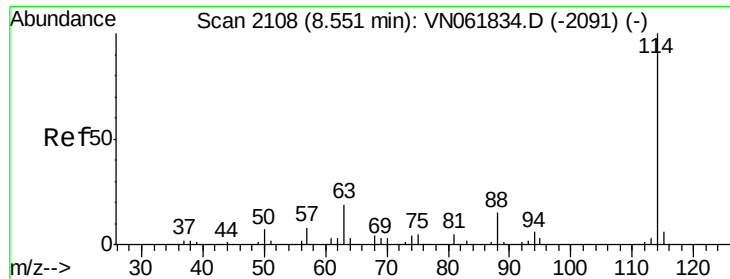
#33
1,2-Dichloroethane-d4
Concen: 49.722 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN061975.D
Acq: 20 Jun 2020 4:27

Tgt Ion: 65 Resp: 96747
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.2



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

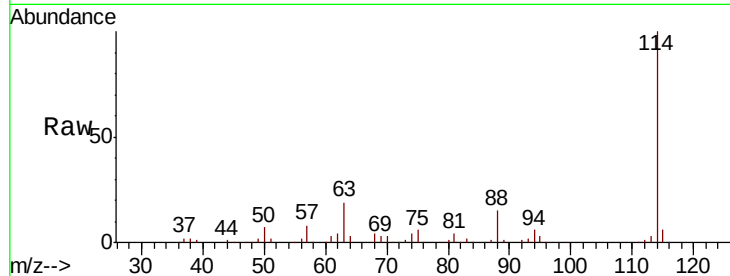




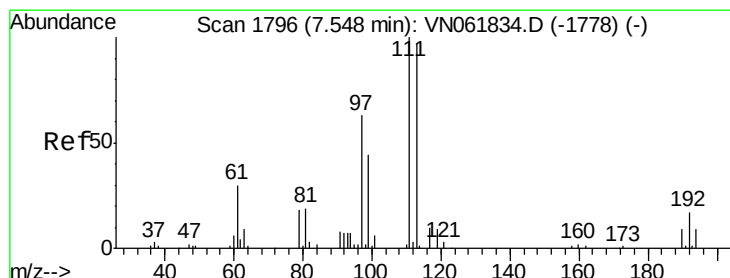
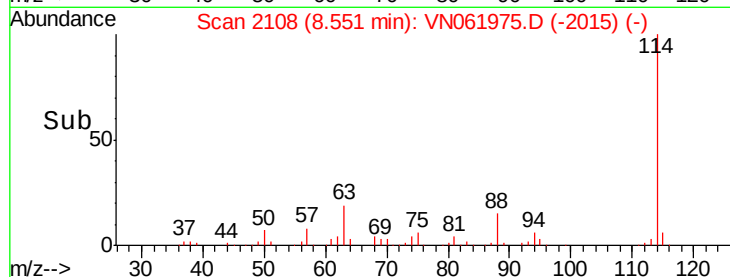
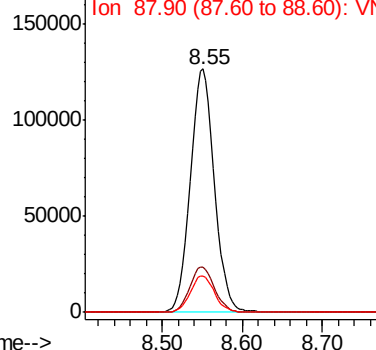
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061975.D
Acq: 20 Jun 2020 4:27

Instrument :
MSVOA_N
ClientSampleId :
TB-20200612

Tot Ion:114 Resp: 263207
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.6
88 15.1 0.0 31.0

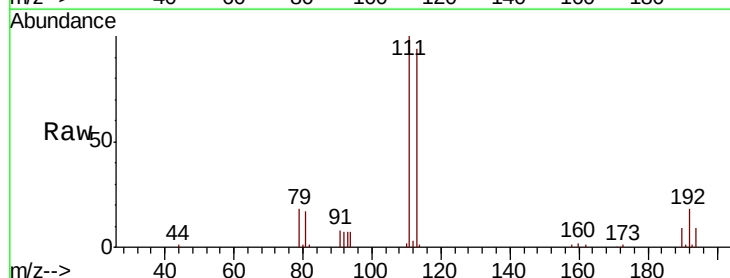


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

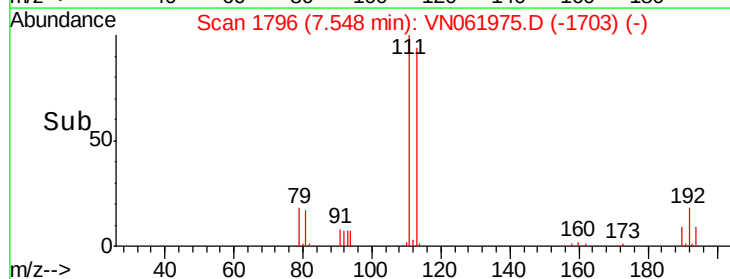
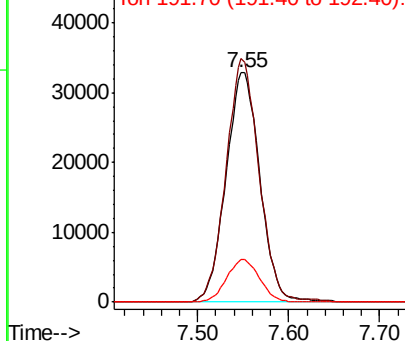


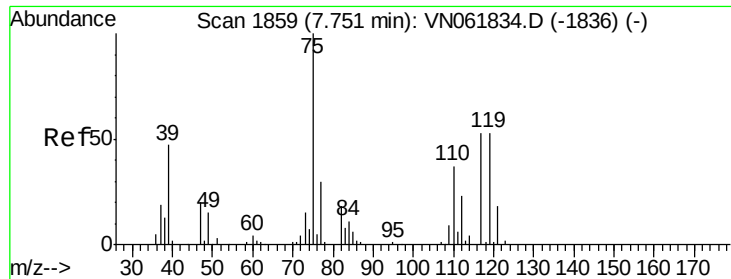
#35
Dibromofluoromethane
Concen: 50.590 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061975.D
Acq: 20 Jun 2020 4:27

Tgt Ion:113 Resp: 85187
Ion Ratio Lower Upper
113 100
111 102.4 83.7 125.5
192 17.9 13.9 20.9



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

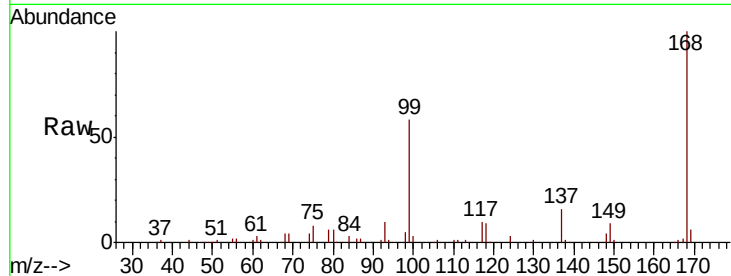




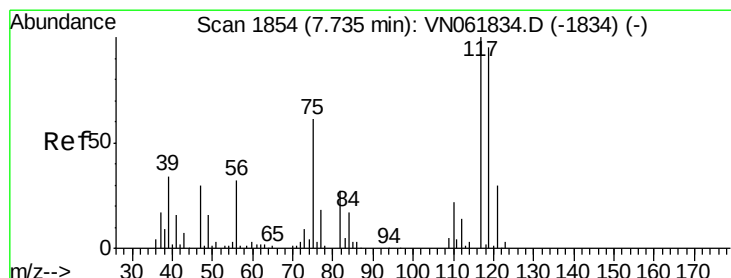
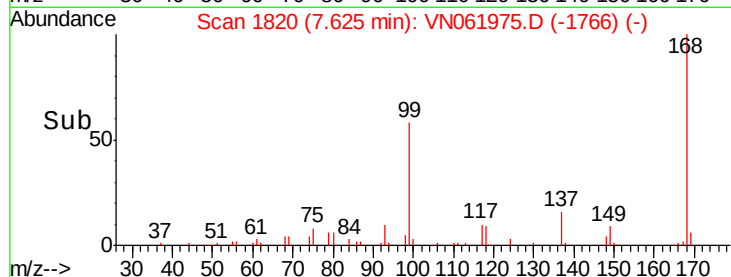
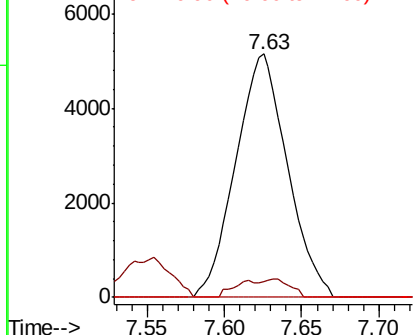
#36
 1,1-Dichloropropene
 Concen: 4.986 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061975.D
 Acq: 20 Jun 2020 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20200612

Tot Ion	Ratio	Lower	Upper
75	100		
110	3.4	18.2	54.6#
77	0.0	24.2	36.4#

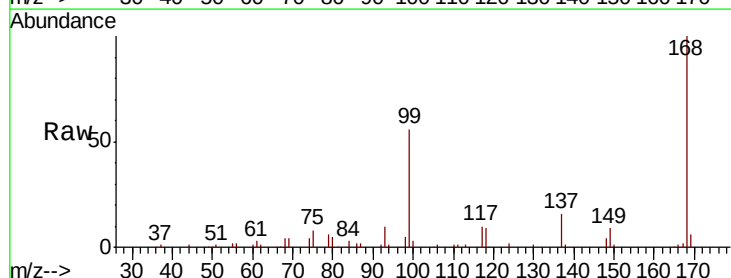


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

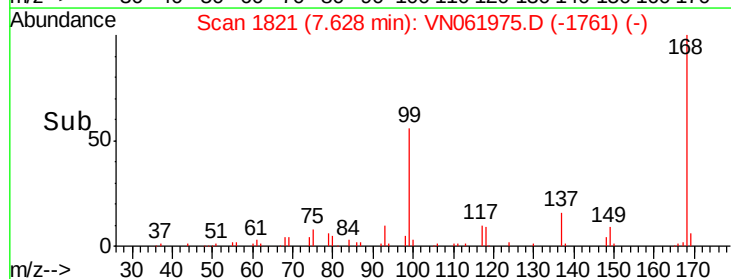
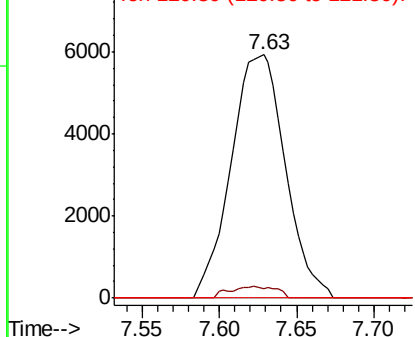


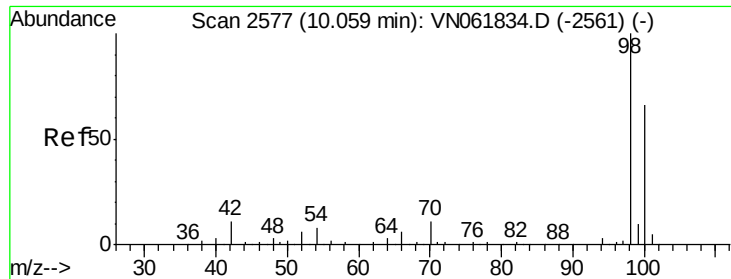
#38
 Carbon Tetrachloride
 Concen: 6.069 ug/l
 RT: 7.63 min Scan# 1821
 Delta R.T. -0.11 min
 Lab File: VN061975.D
 Acq: 20 Jun 2020 4:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.8	113.6#
121	0.0	23.8	35.6#



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: 49.574 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061975.D

Acq: 20 Jun 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

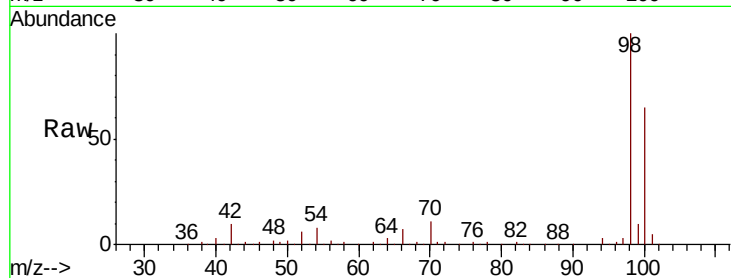
TB-20200612

Tot Ion: 98 Resp: 328176

Ion Ratio Lower Upper

98 100

100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)

Ion 100.00 (99.70 to 100.70): VN061834.D (-2561) (-)

10.06

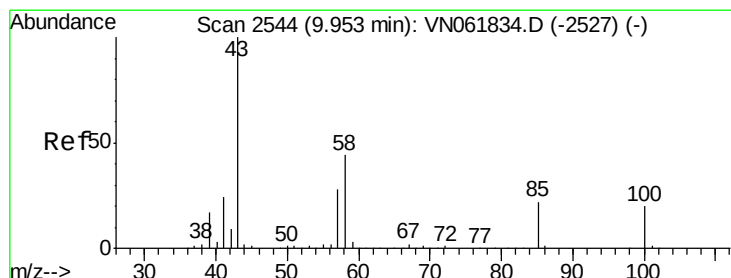
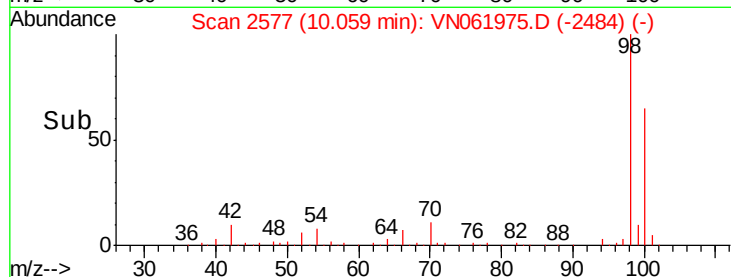
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.730 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061975.D

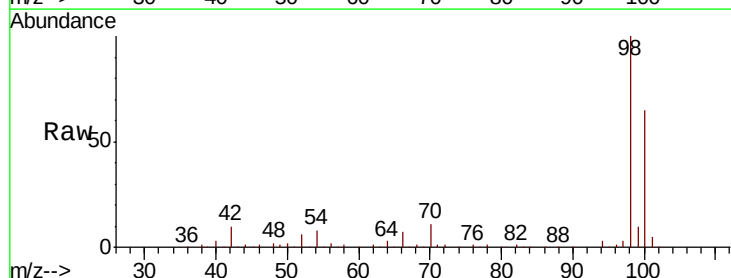
Acq: 20 Jun 2020 4:27

Tgt Ion: 43 Resp: 1363

Ion Ratio Lower Upper

43 100

58 178.1 34.6 52.0#



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-2527) (-)

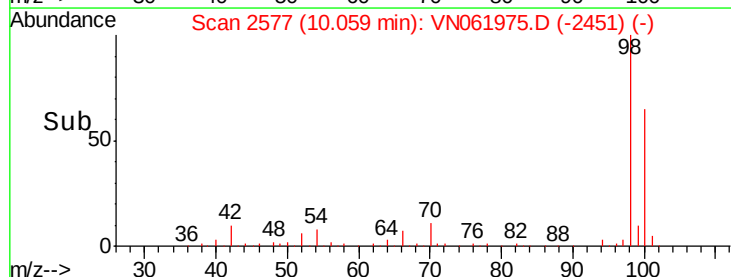
1500

1000

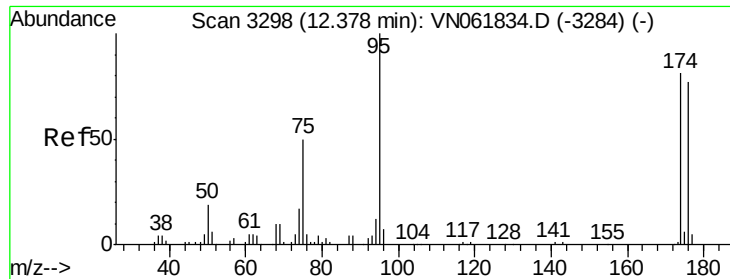
500

0

Time-->



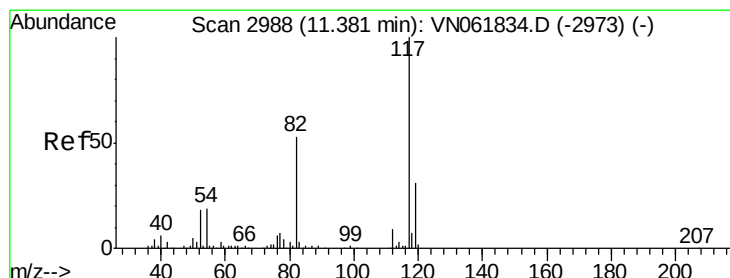
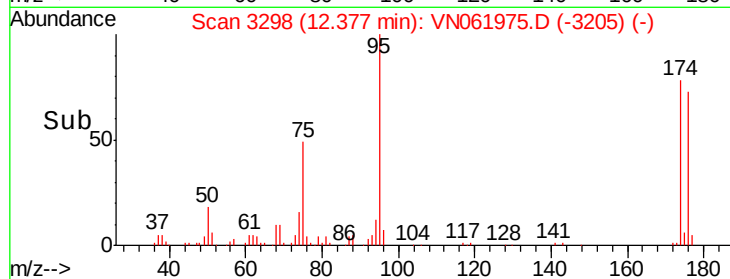
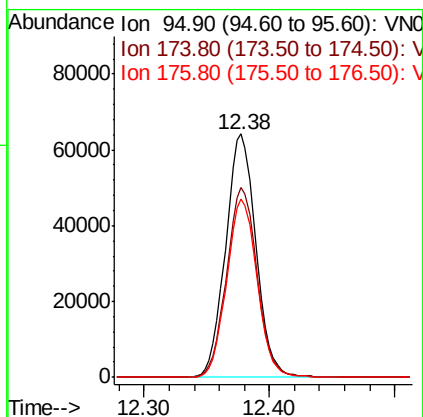
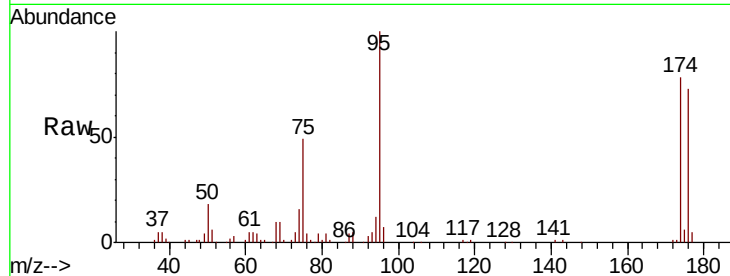
Time-->



#62
4-Bromofluorobenzene
Concen: 47.399 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN061975.D
Acq: 20 Jun 2020 4:27

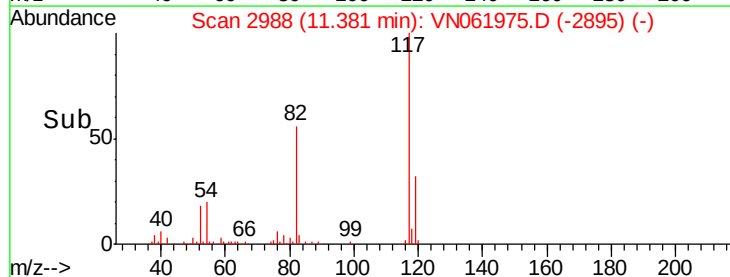
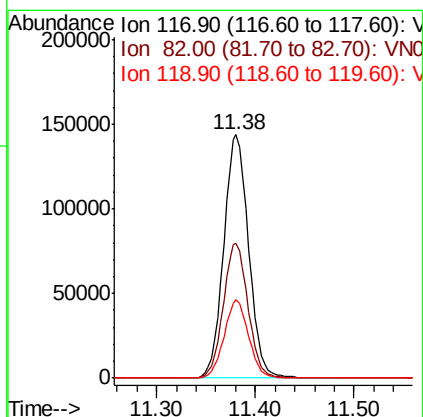
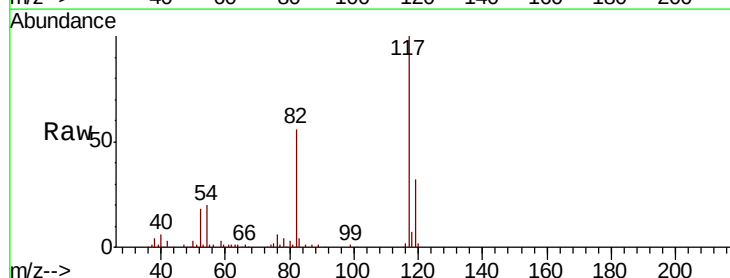
Instrument :
MSVOA_N
ClientSampleId :
TB-20200612

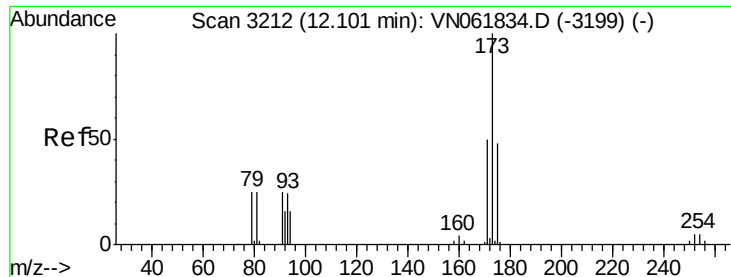
Tot Ion: 95 Resp: 107631
Ion Ratio Lower Upper
95 100
174 78.6 0.0 158.6
176 73.7 0.0 152.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061975.D
Acq: 20 Jun 2020 4:27

Tgt Ion: 117 Resp: 254430
Ion Ratio Lower Upper
117 100
82 55.6 42.6 64.0
119 32.3 24.7 37.1





#71

Bromoform

Concen: 0.716 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.28 min

Lab File: VN061975.D

Acq: 20 Jun 2020 4:27

Instrument :

MSVOA_N

ClientSampled :

TB-20200612

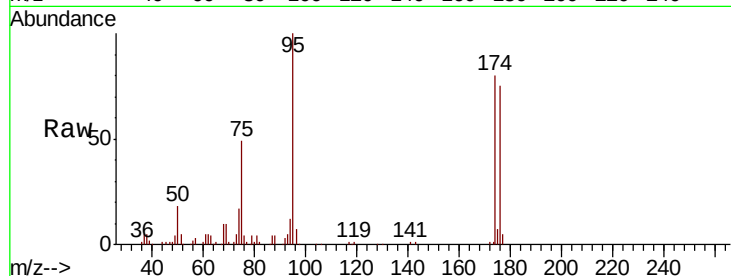
Tot Ion:173 Resp: 978

Ion Ratio Lower Upper

173 100

175 562.4 23.9 71.7#

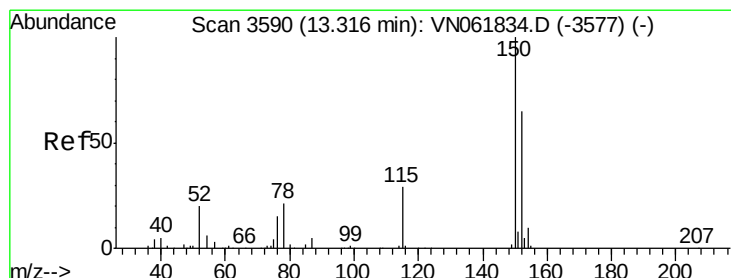
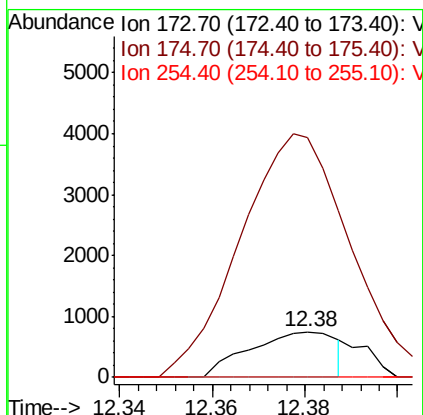
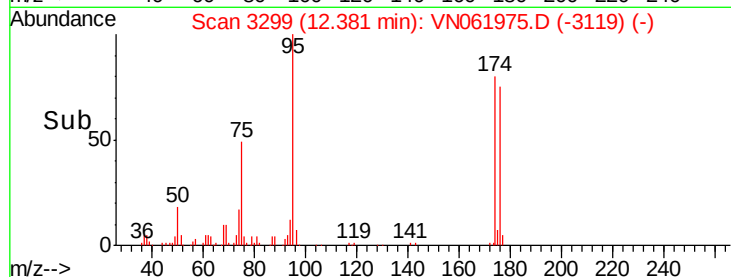
254 0.0 0.0 0.0



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: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061975.D

Acq: 20 Jun 2020 4:27

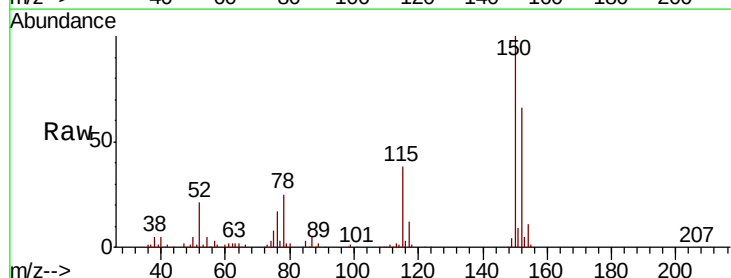
Tgt Ion:152 Resp: 97946

Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

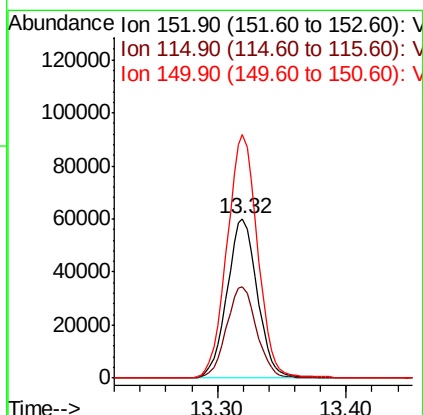
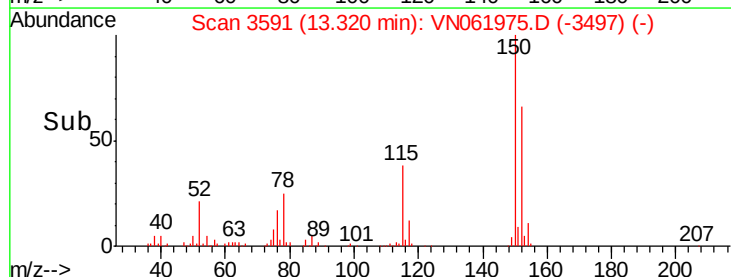
150 153.9 0.0 347.6

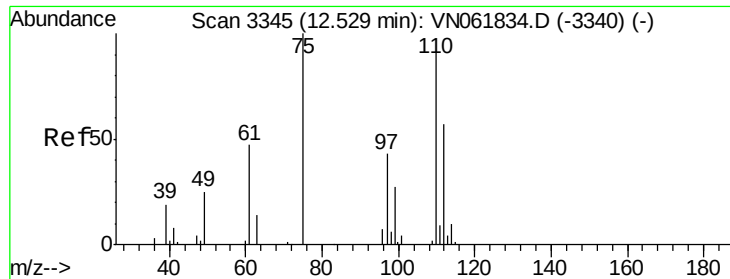


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

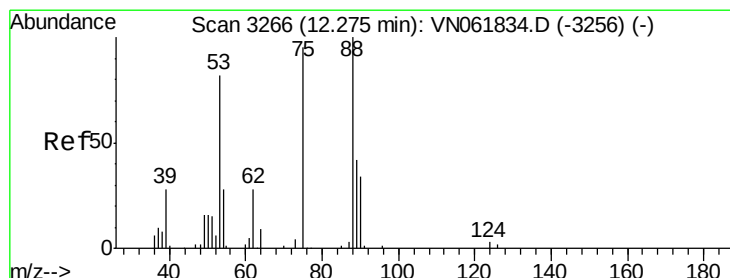
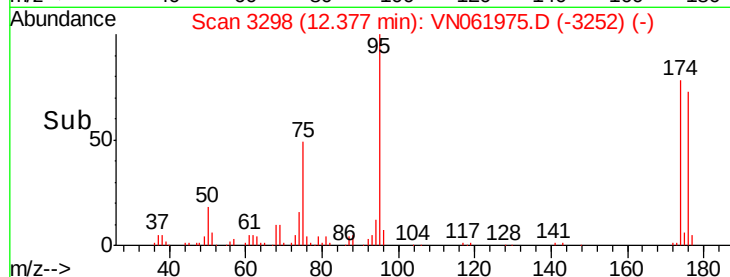
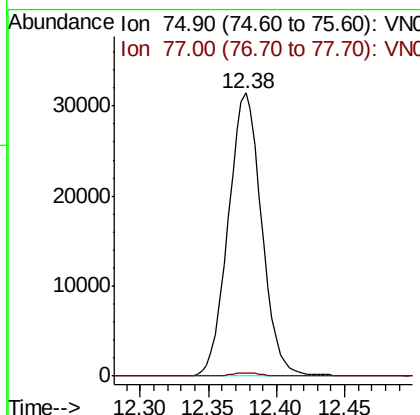
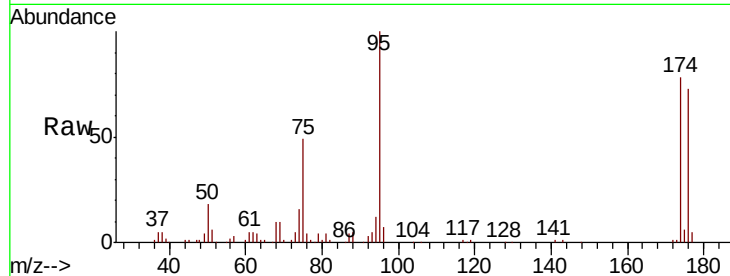




#76
 1,2,3-Trichloropropane
 Concen: 27.768 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN061975.D
 Acq: 20 Jun 2020 4:27

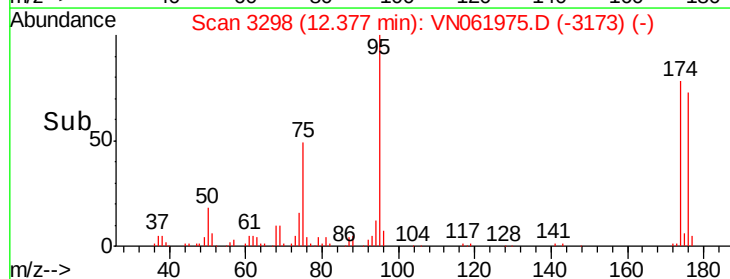
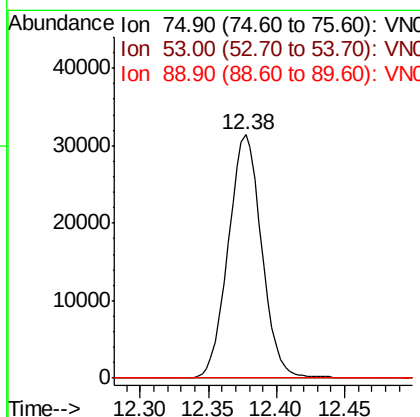
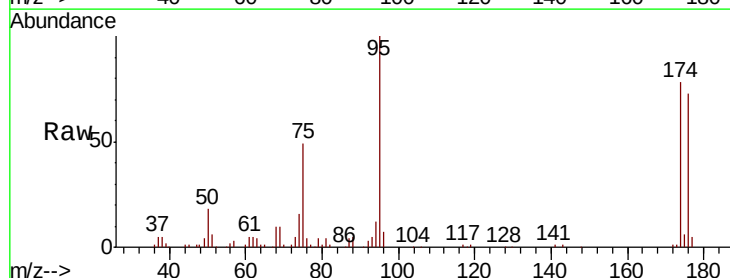
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20200612

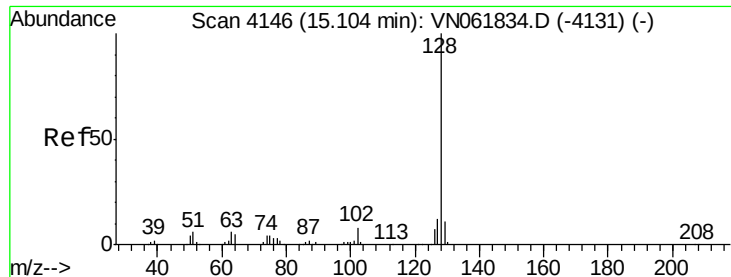
Tot Ion: 75 Resp: 53395
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.734 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN061975.D
 Acq: 20 Jun 2020 4:27

Tgt Ion: 75 Resp: 53395
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#





#95

Naphthalene

Concen: 3.502 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. 0.01 min

Lab File: VN061975.D

Acq: 20 Jun 2020 4:27

Instrument :

MSVOA_N

ClientSampleId :

TB-20200612

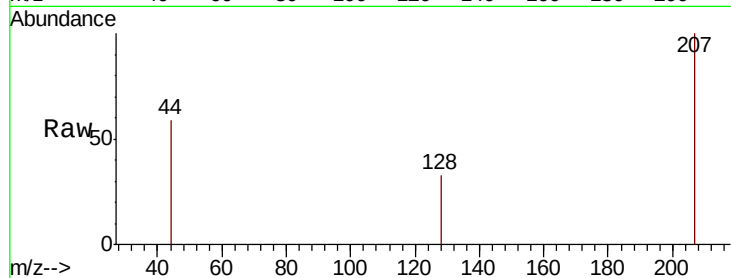
Tot Ion:128 Resp: 100

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

