

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032520\
 Data File : VN060694.D
 Acq On : 25 Mar 2020 14:05
 Operator : JC/MD
 Sample : L1997-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20200315

Quant Time: Mar 26 02:49:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

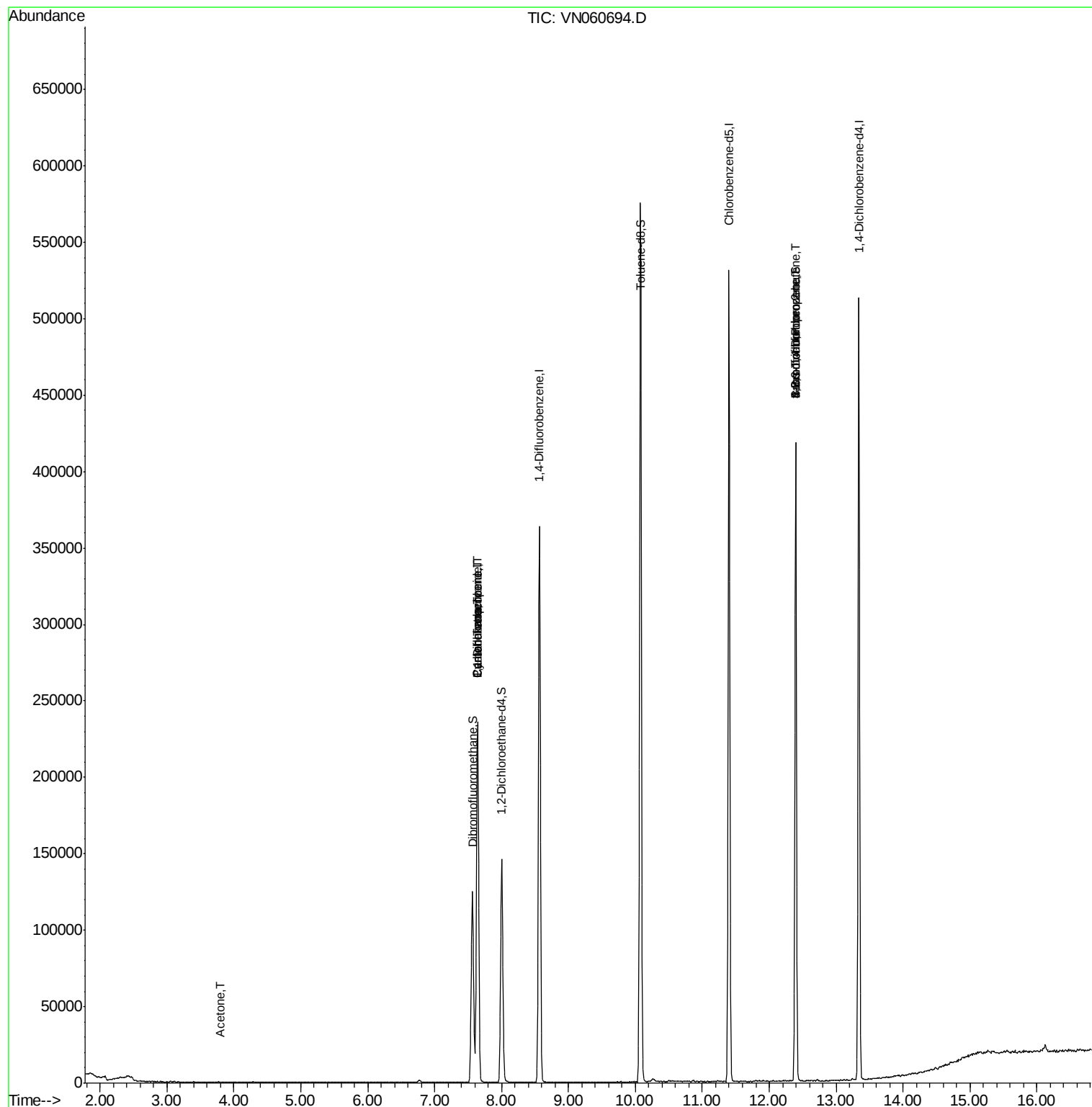
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	193796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	321706	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	301030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132891	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	126558	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
35) Dibromofluoromethane	7.56	113	95706	49.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.40%	
50) Toluene-d8	10.08	98	398467	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	145103	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	386	0.410	ug/l #	43
31) Cyclohexane	7.64	56	4261	0.994	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15169	4.869	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18161	6.505	ug/l #	16
71) Bromoform	12.40	173	557	1.980	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72711	25.357	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72711	65.124	ug/l #	13

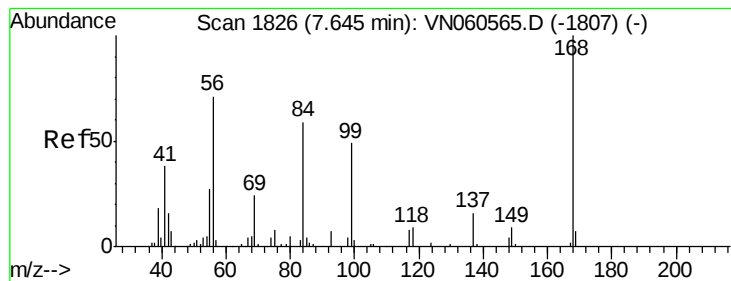
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060694.D

Acq: 25 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

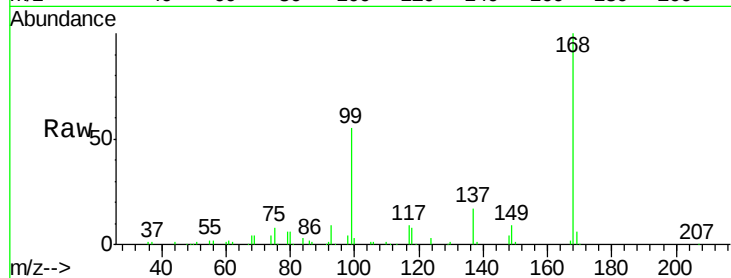
TB-20200315

Tgt Ion:168 Resp: 193796

Ion Ratio Lower Upper

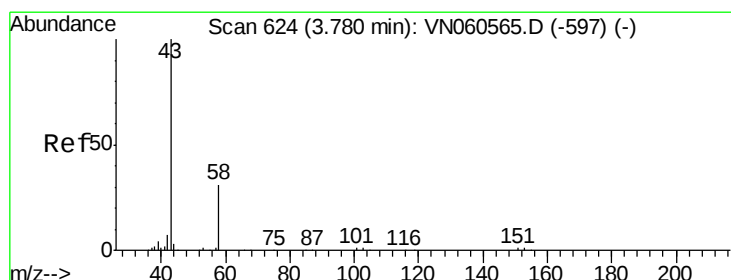
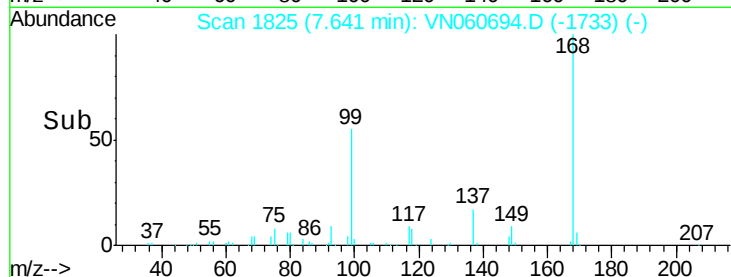
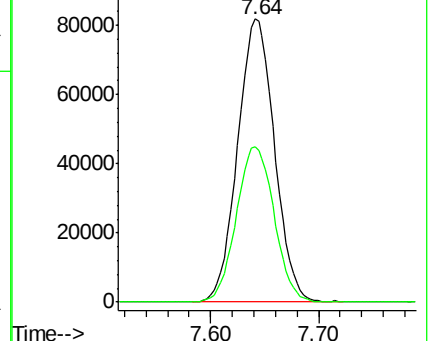
168 100

99 54.8 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 0.410 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060694.D

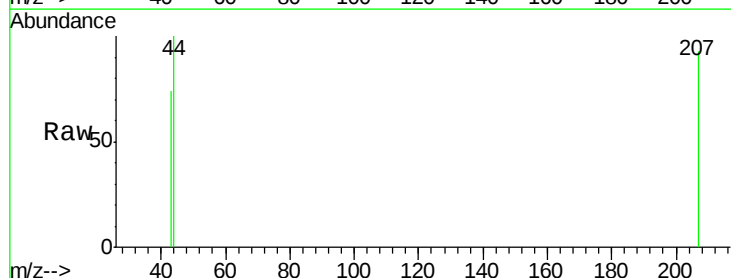
Acq: 25 Mar 2020 14:05

Tgt Ion: 43 Resp: 386

Ion Ratio Lower Upper

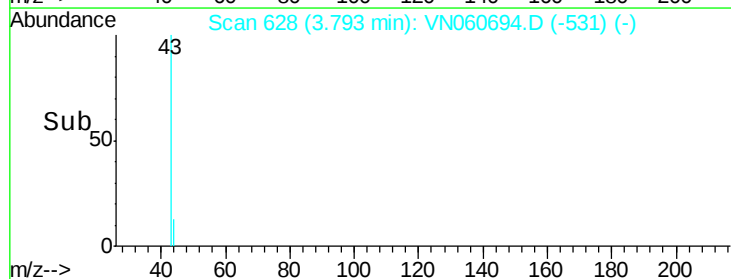
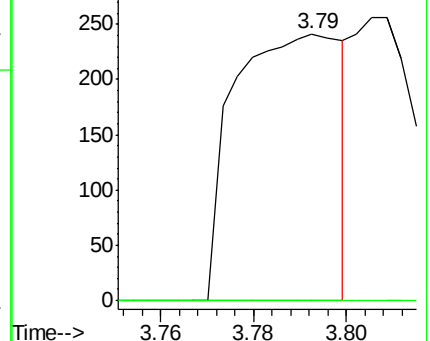
43 100

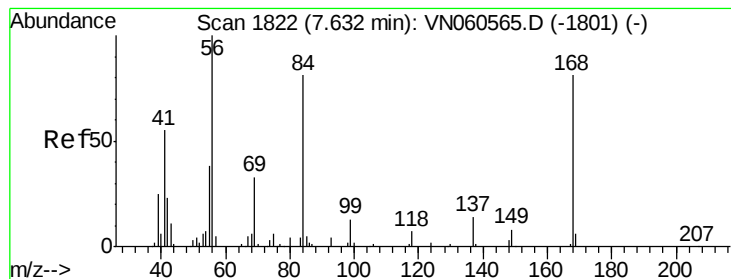
58 0.0 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#31

Cyclohexane

Concen: 0.994 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060694.D

Acq: 25 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampled :

TB-20200315

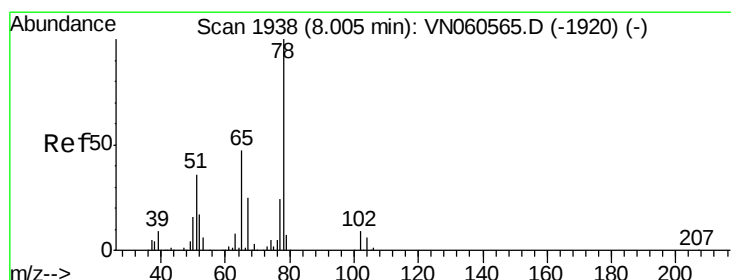
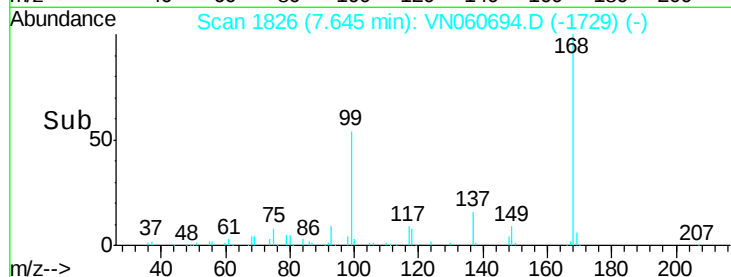
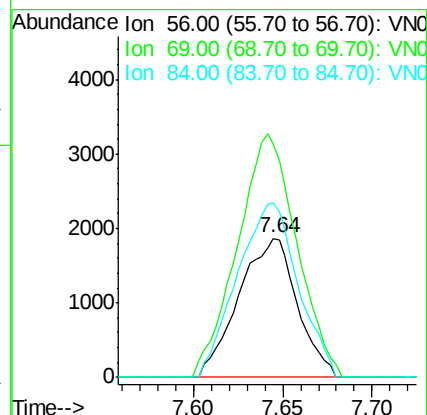
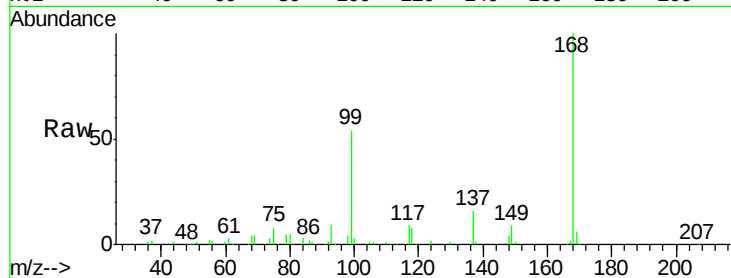
Tgt Ion: 56 Resp: 4261

Ion Ratio Lower Upper

56 100

69 168.0 26.6 40.0#

84 125.5 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 47.571 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060694.D

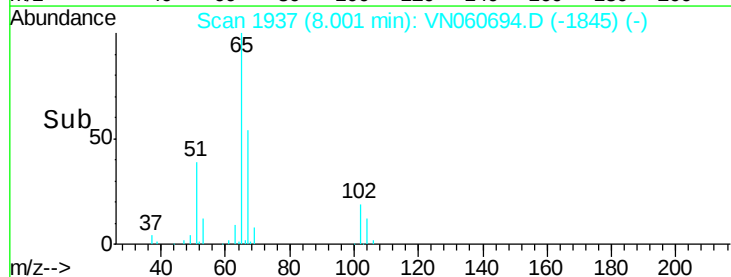
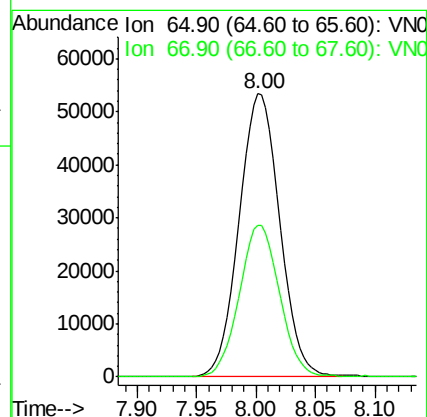
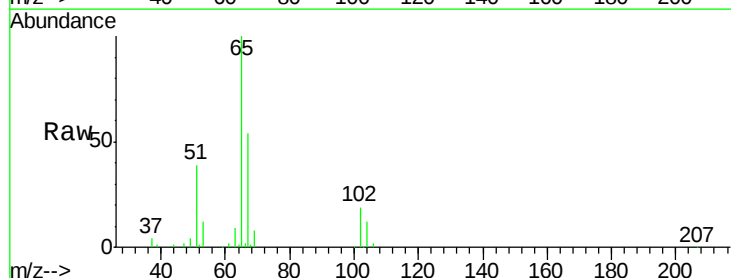
Acq: 25 Mar 2020 14:05

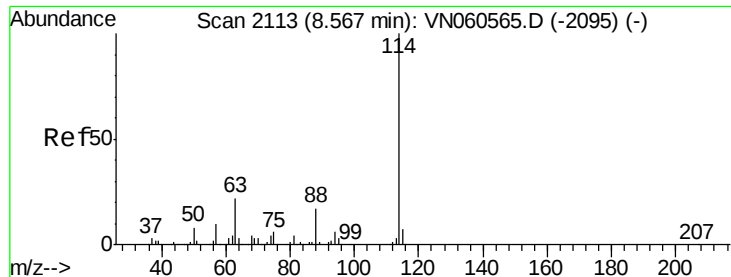
Tgt Ion: 65 Resp: 126558

Ion Ratio Lower Upper

65 100

67 53.0 0.0 107.6

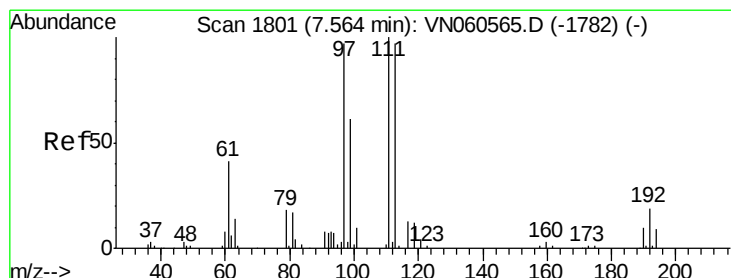
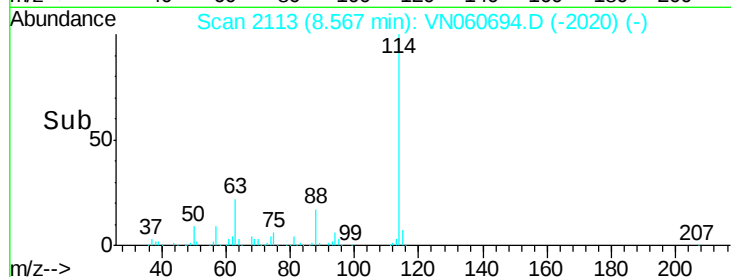
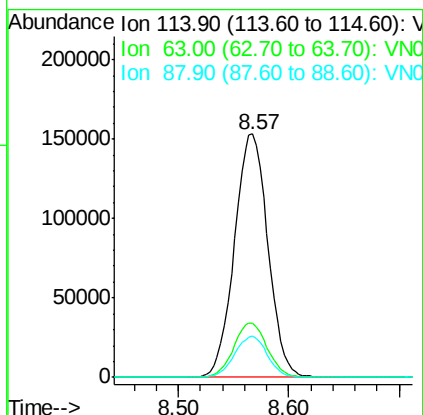
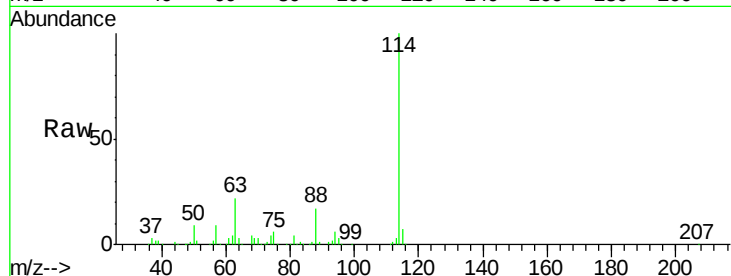




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060694.D
 Acq: 25 Mar 2020 14:05

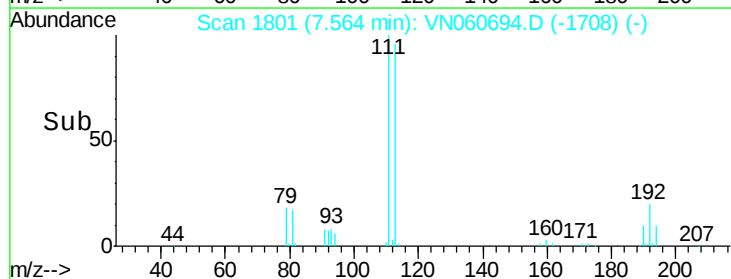
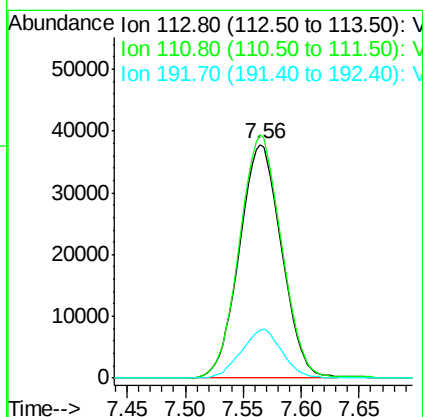
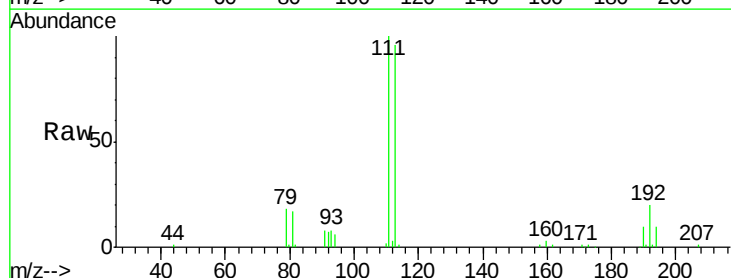
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20200315

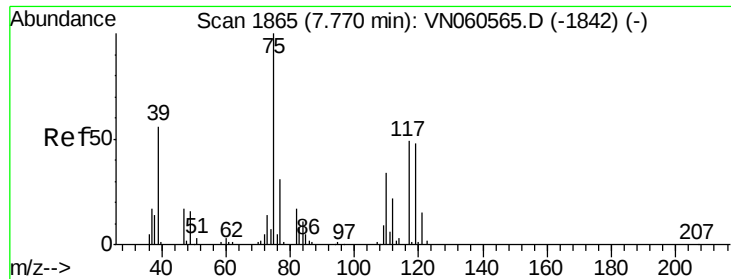
Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	16.7	0.0	33.0



#35
 Dibromofluoromethane
 Concen: 49.200 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060694.D
 Acq: 25 Mar 2020 14:05

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.9	124.3
192	20.1	15.8	23.8

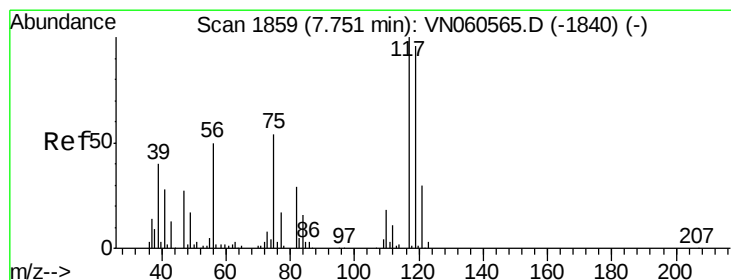
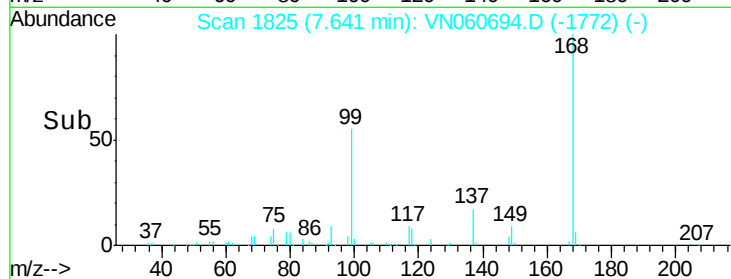
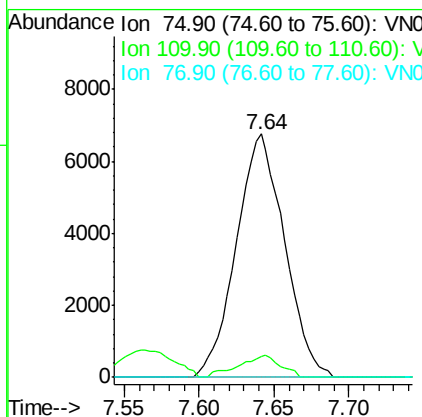
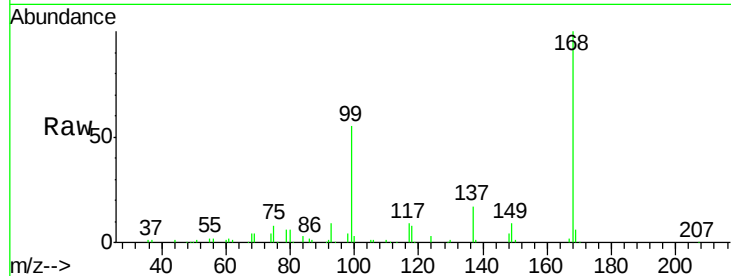




#36
 1,1-Dichloropropene
 Concen: 4.869 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060694.D
 Acq: 25 Mar 2020 14:05

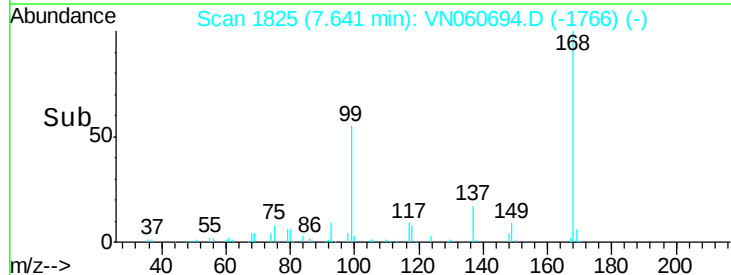
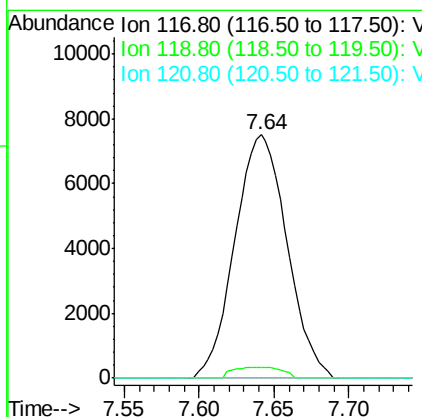
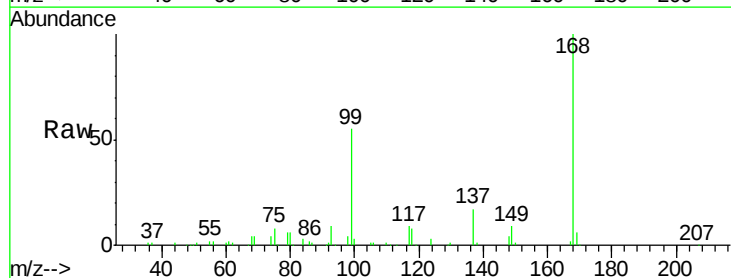
Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20200315

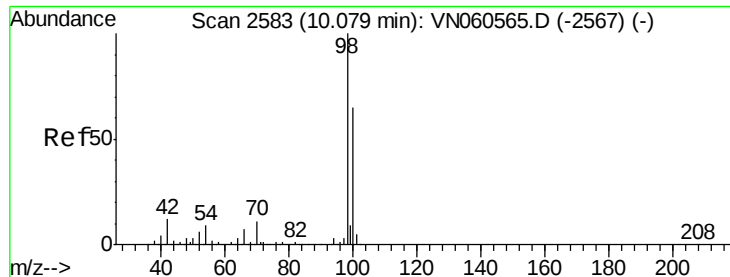
Tgt Ion: 75 Resp: 15169
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.9 50.6#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.505 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060694.D
 Acq: 25 Mar 2020 14:05

Tgt Ion: 117 Resp: 18161
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.2 114.2#
 121 0.0 23.7 35.5#





#50

Toluene-d8

Concen: 50.149 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060694.D

Acq: 25 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

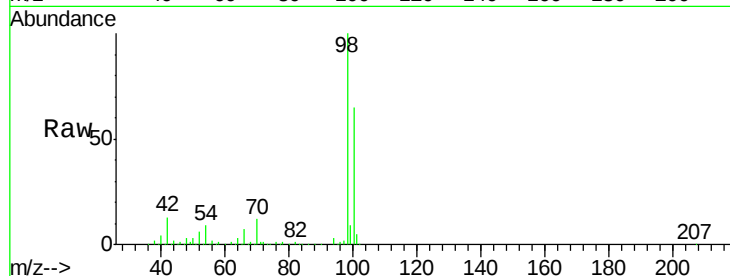
TB-20200315

Tgt Ion: 98 Resp: 398467

Ion Ratio Lower Upper

98 100

100 65.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN060694.D (-2490) (-)

Ion 100.00 (99.70 to 100.70): VN060694.D (-2490) (-)

10.08

250000

200000

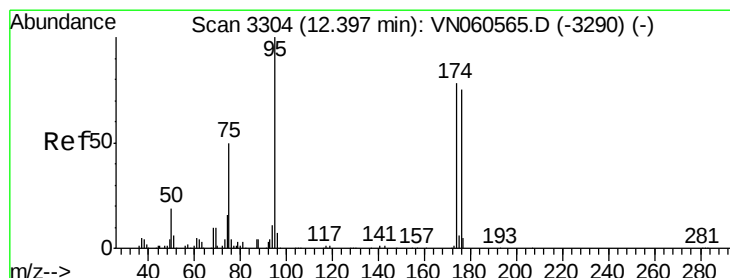
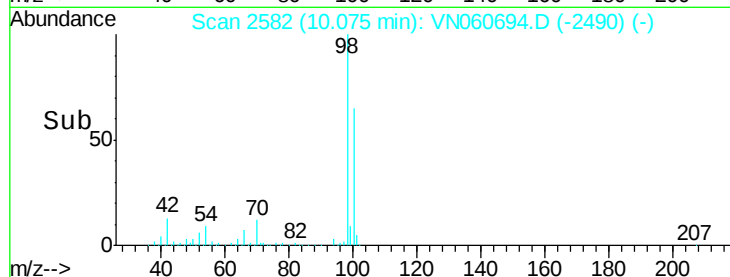
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.830 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060694.D

Acq: 25 Mar 2020 14:05

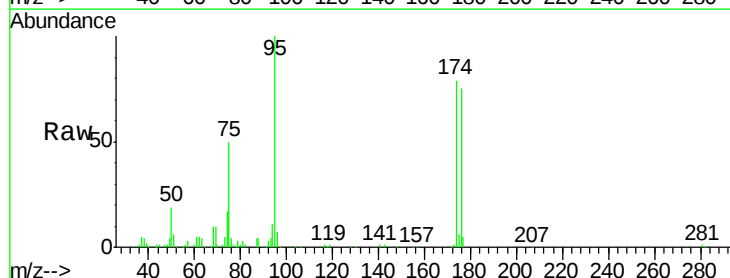
Tgt Ion: 95 Resp: 145103

Ion Ratio Lower Upper

95 100

174 78.3 0.0 157.6

176 75.8 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060694.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060694.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060694.D (-3211) (-)

12.40

120000

100000

80000

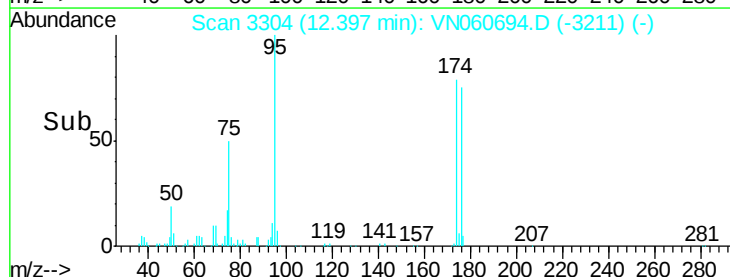
60000

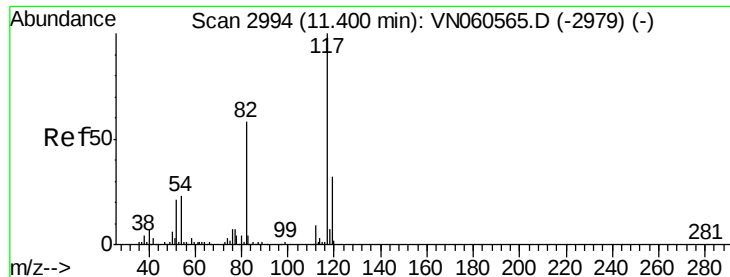
40000

20000

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Time-->

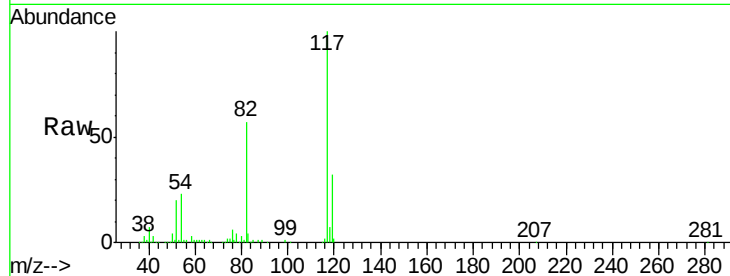




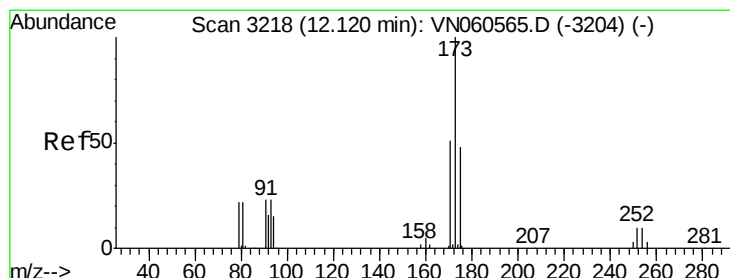
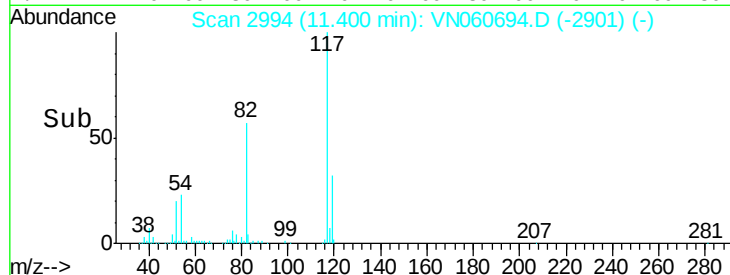
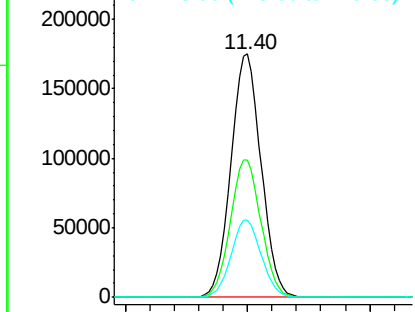
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060694.D
Acq: 25 Mar 2020 14:05

Instrument :
MSVOA_N
ClientSampled :
TB-20200315

Tgt Ion:117 Resp: 301030
Ion Ratio Lower Upper
117 100
82 56.5 46.7 70.1
119 31.9 25.5 38.3

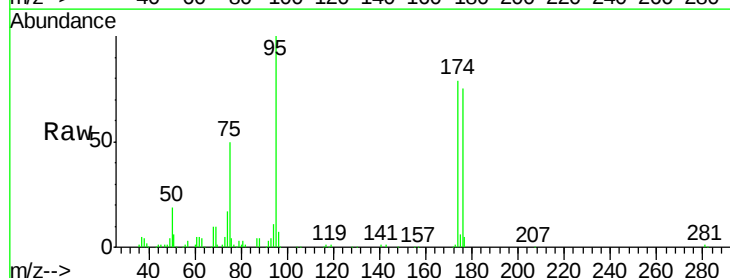


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

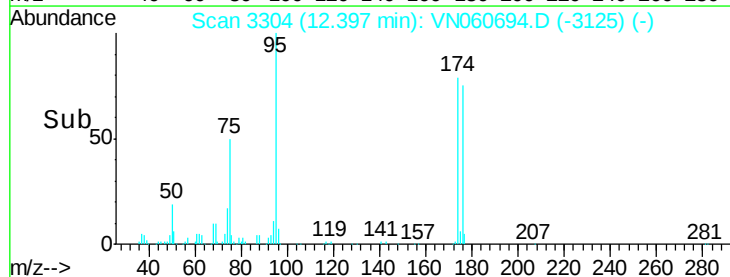
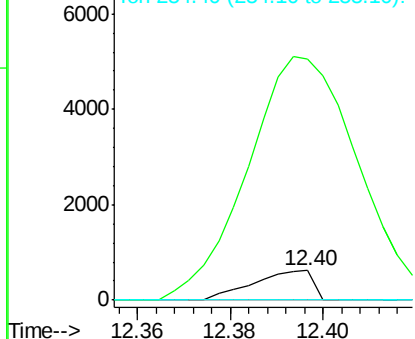


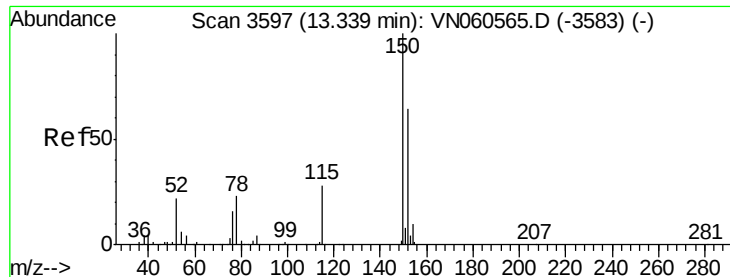
#71
Bromoform
Concen: 1.980 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.28 min
Lab File: VN060694.D
Acq: 25 Mar 2020 14:05

Tgt Ion:173 Resp: 557
Ion Ratio Lower Upper
173 100
175 1317.2 24.1 72.4#
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: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060694.D

Acq: 25 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

TB-20200315

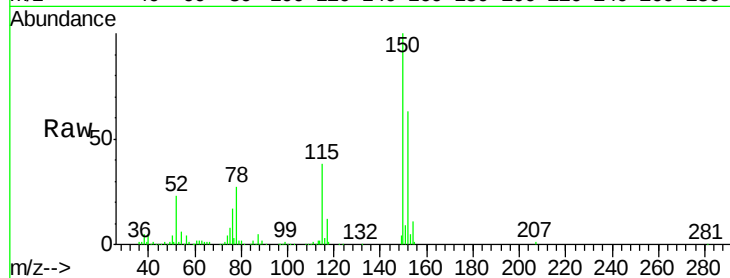
Tgt Ion:152 Resp: 132891

Ion Ratio Lower Upper

152 100

115 60.6 30.2 90.6

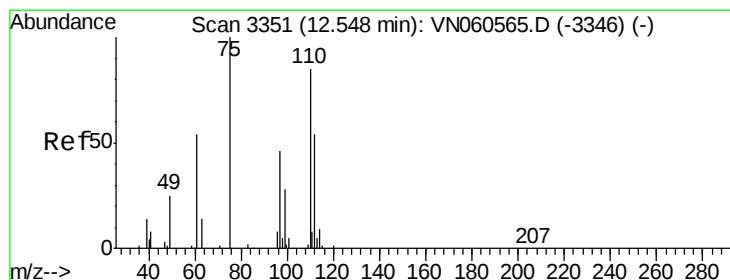
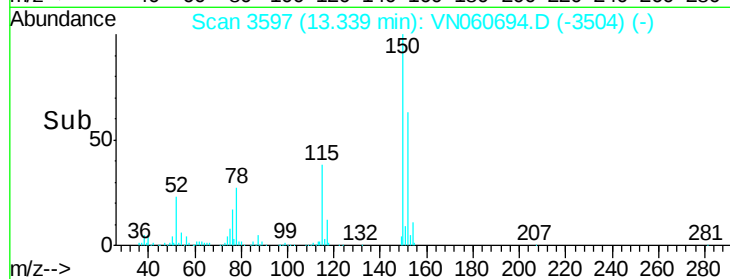
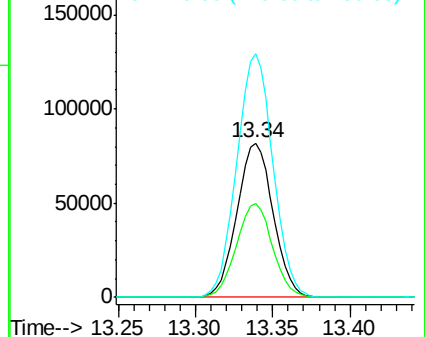
150 158.0 0.0 350.2



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: 25.357 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060694.D

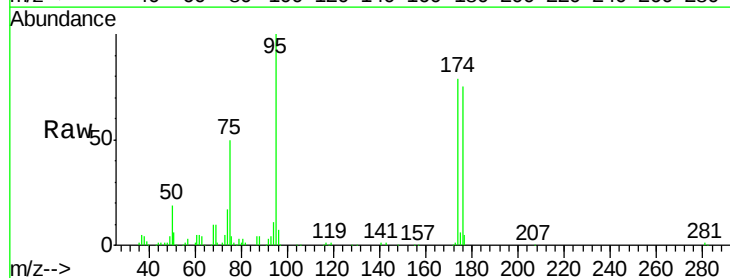
Acq: 25 Mar 2020 14:05

Tgt Ion: 75 Resp: 72711

Ion Ratio Lower Upper

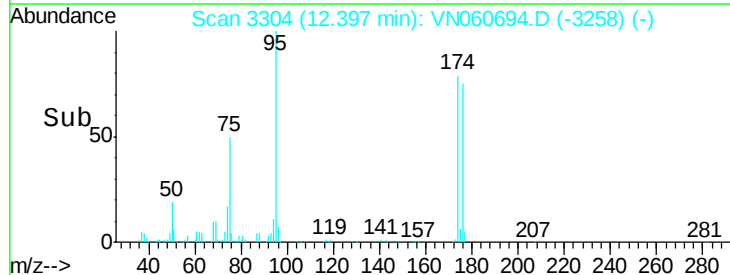
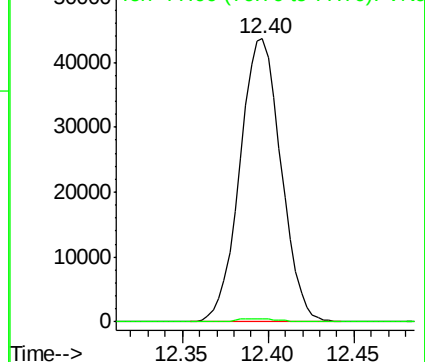
75 100

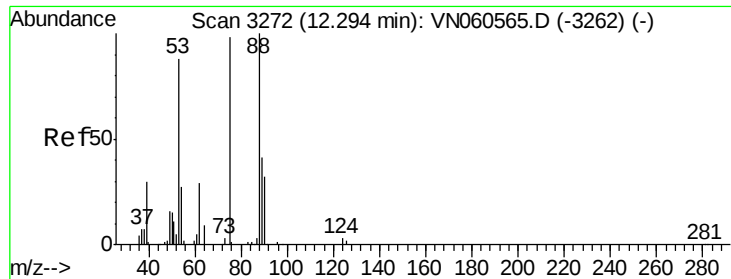
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 65.124 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060694.D

Acq: 25 Mar 2020 14:05

Instrument :

MSVOA_N

ClientSampleId :

TB-20200315

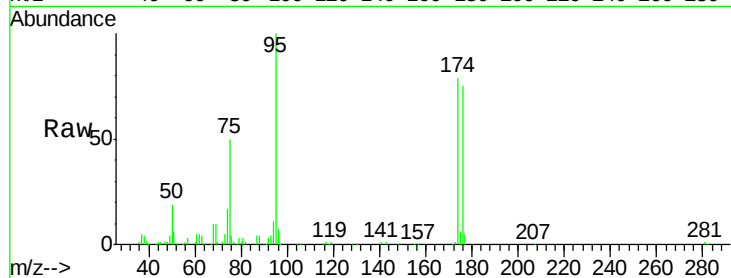
Tgt Ion: 75 Resp: 72711

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060694.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060694.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060694.D (-3179) (-)

