

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061086.D
 Acq On : 18 Apr 2020 5:23
 Operator : JC/MD
 Sample : L2334-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:42:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	141233	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	239485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	232726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103194	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	97169	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	107.54%		
35) Dibromofluoromethane	7.56	113	72885	52.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	104.22%		
50) Toluene-d8	10.08	98	300896	56.94	ug/l	0.00
Spiked Amount 50.000			Recovery =	113.88%		
62) 4-Bromofluorobenzene	12.39	95	112751	54.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.86%		

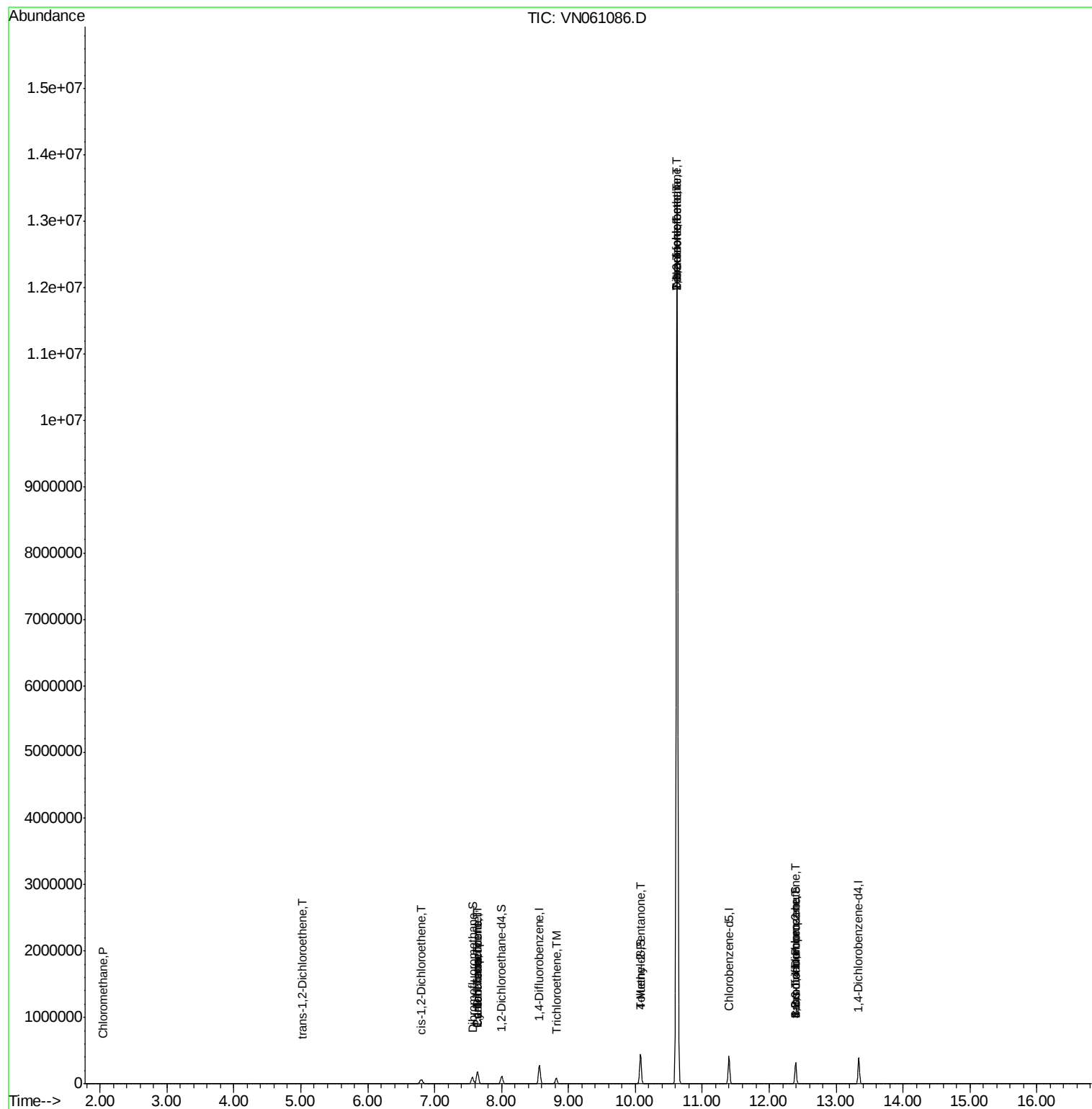
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	952	0.380	ug/l #	84
21) trans-1,2-Dichloroethene	5.01	96	978	0.592	ug/l	90
27) cis-1,2-Dichloroethene	6.80	96	40051	21.104	ug/l	88
31) Cyclohexane	7.64	56	3040	0.903	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11241	4.549	ug/l #	50
38) Carbon Tetrachloride	7.64	117	13825	6.721	ug/l #	16
44) Trichloroethene	8.82	130	30418	16.512	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	1496	0.595	ug/l #	1
55) 1,1,2-Trichloroethane	10.62	97	29663	17.822	ug/l #	1
59) 2-Hexanone	10.62	43	395	0.218	ug/l #	1
60) Dibromochloromethane	10.62	129	2891509	1691.158	ug/l #	10
64) Tetrachloroethene	10.62	164	2882981	1618.881	ug/l	93
71) Bromoform	12.40	173	401	0.313	ug/l #	1
76) 1,2,3-Trichloropropane	12.39	75	58141	25.615	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	58141	63.180	ug/l #	12

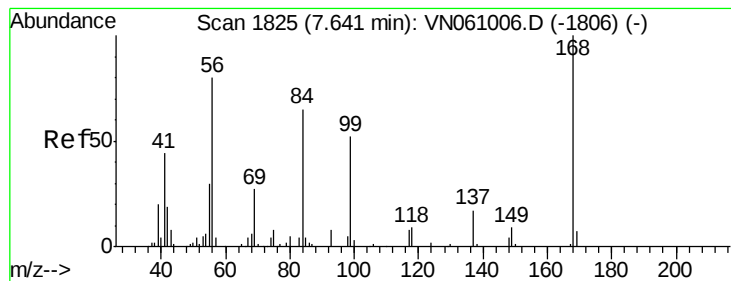
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 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: VN061086.D

Acq: 18 Apr 2020 5:23

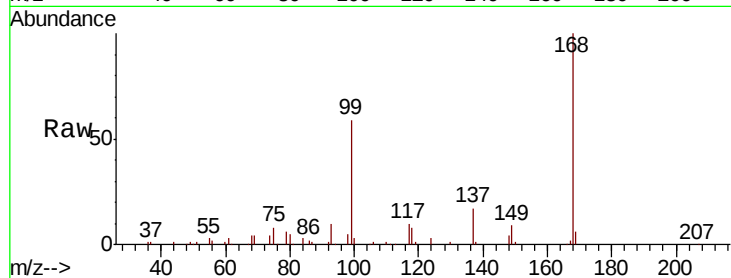
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 141233

Ion Ratio Lower Upper

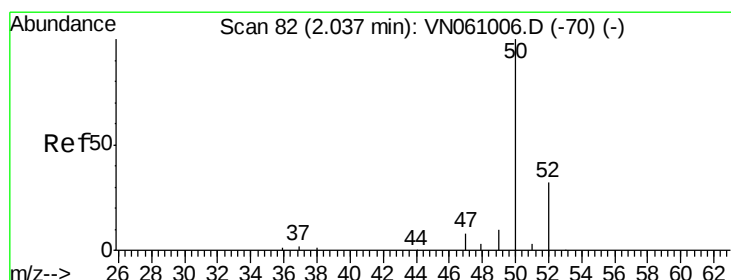
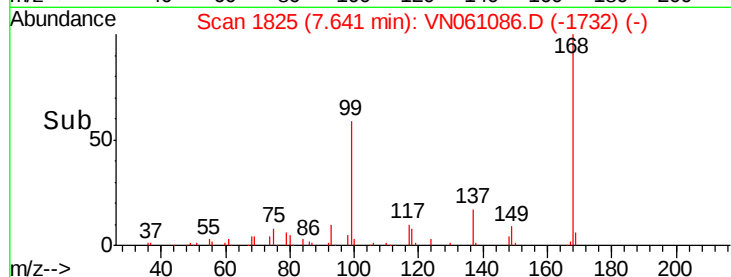
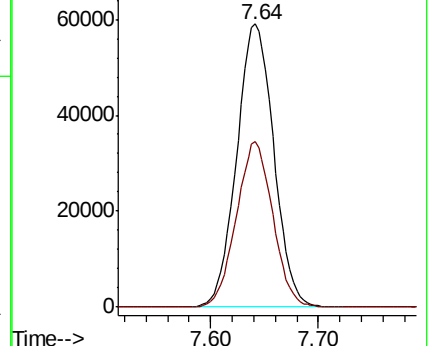
168 100

99 58.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.380 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN061086.D

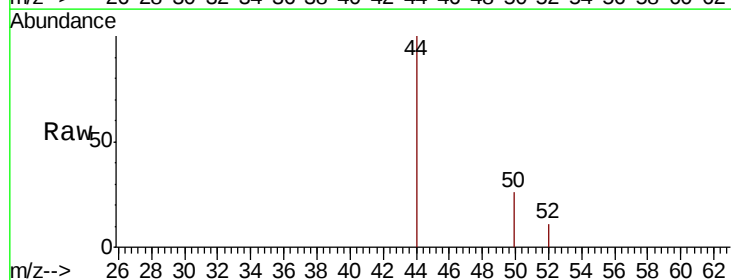
Acq: 18 Apr 2020 5:23

Tgt Ion: 50 Resp: 952

Ion Ratio Lower Upper

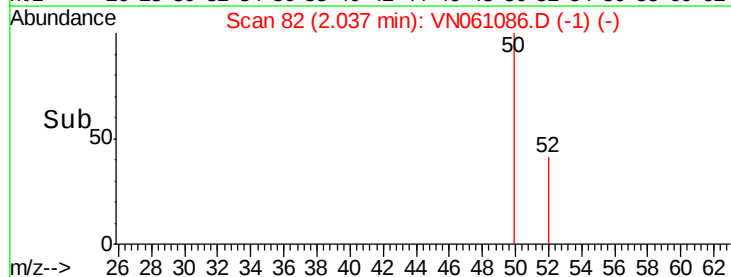
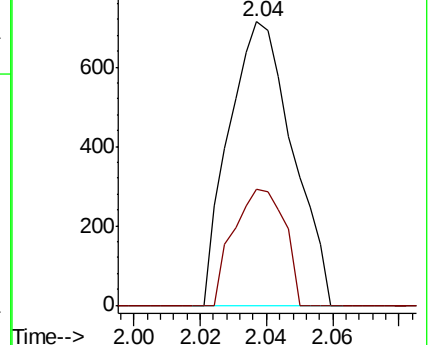
50 100

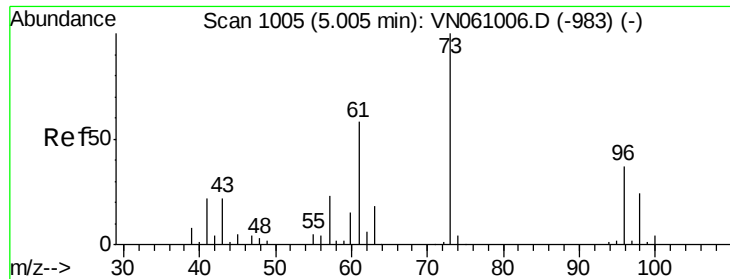
52 41.0 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

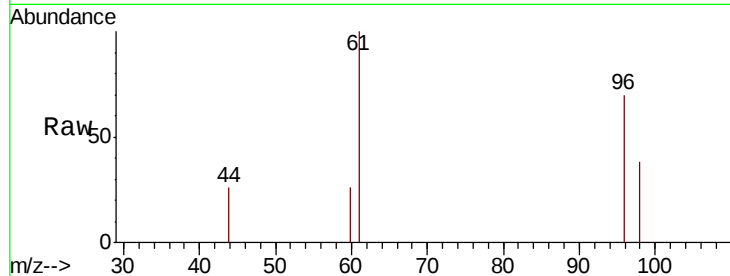




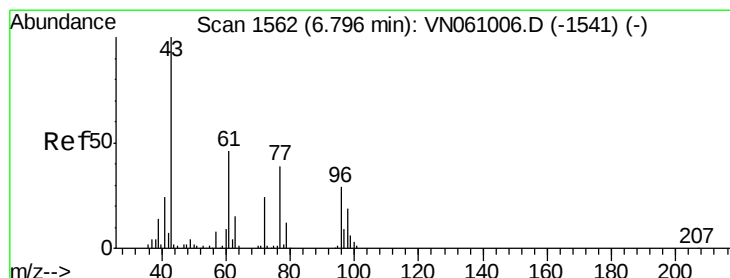
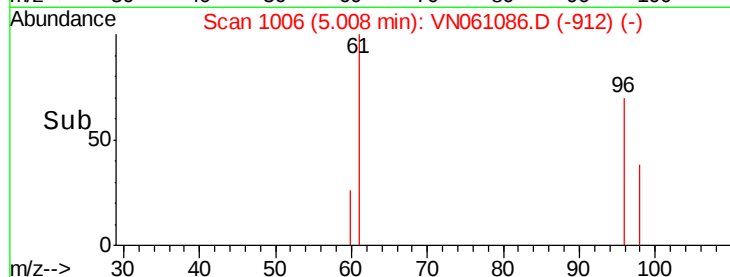
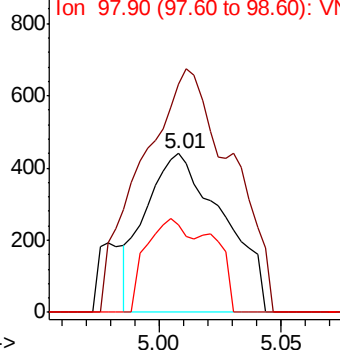
#21
trans-1,2-Dichloroethene
Concen: 0.592 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 978
Ion Ratio Lower Upper
96 100
61 143.4 124.8 187.2
98 54.8 51.3 76.9

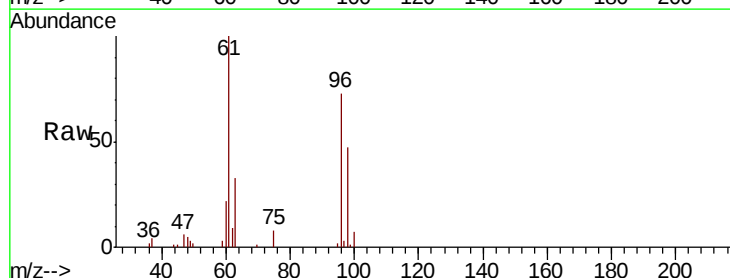


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

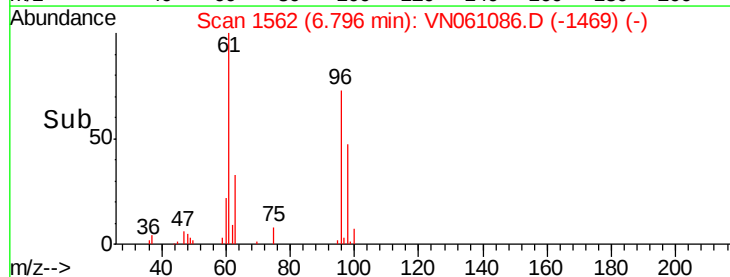
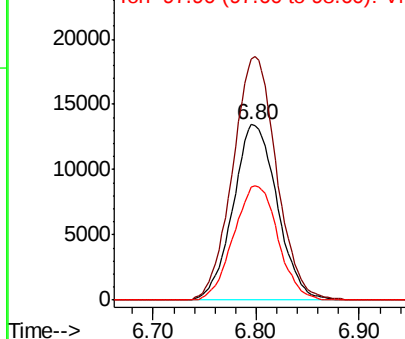


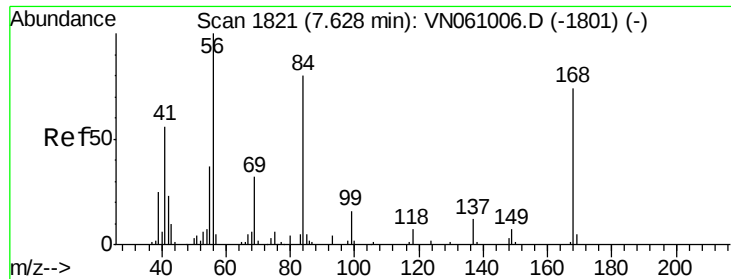
#27
cis-1,2-Dichloroethene
Concen: 21.104 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. 0.00 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

Tgt Ion: 96 Resp: 40051
Ion Ratio Lower Upper
96 100
61 137.6 0.0 317.4
98 65.3 0.0 127.8



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

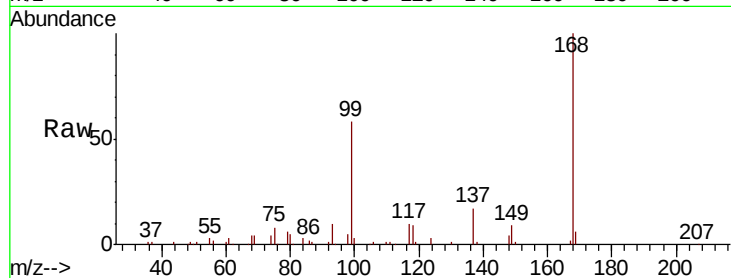




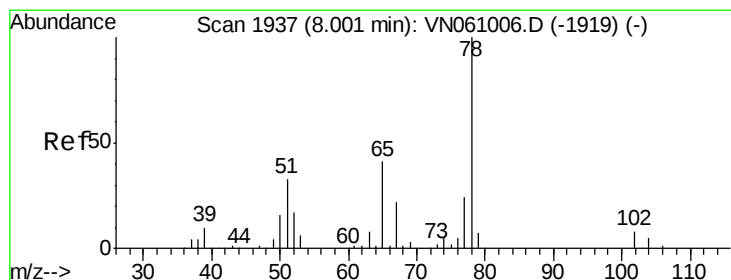
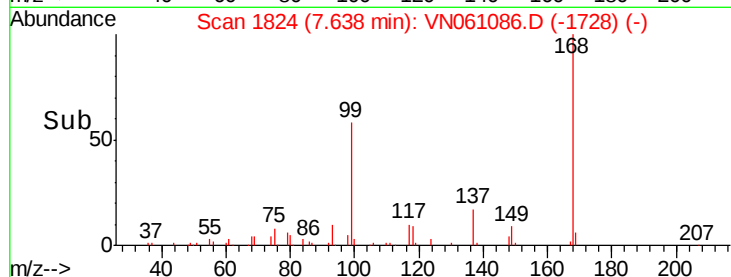
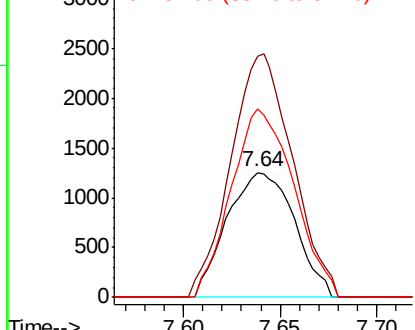
#31
Cyclohexane
Concen: 0.903 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3040
Ion Ratio Lower Upper
56 100
69 193.8 25.6 38.4#
84 151.3 63.4 95.2#

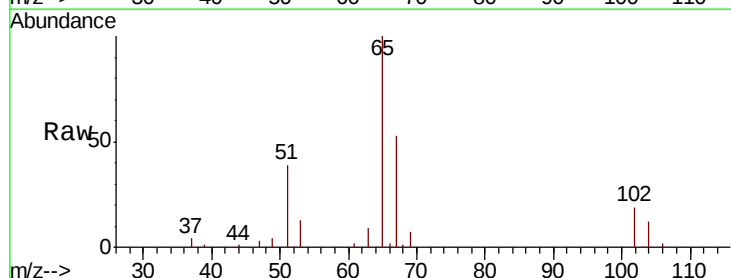


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

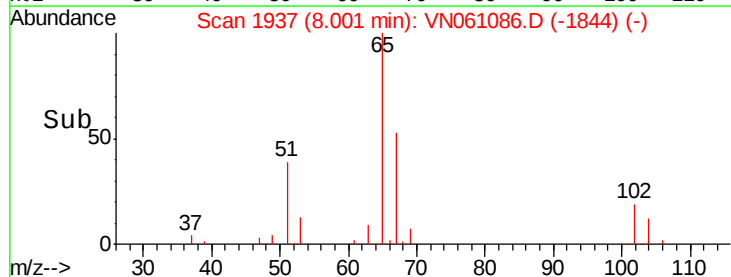
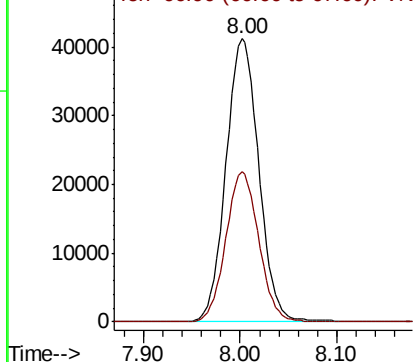


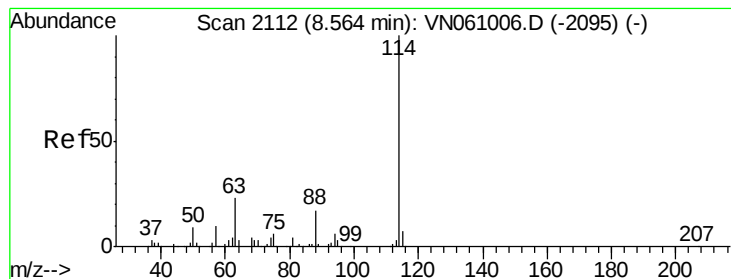
#33
1,2-Dichloroethane-d4
Concen: 53.774 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

Tgt Ion: 65 Resp: 97169
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.0



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: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061086.D

Acq: 18 Apr 2020 5:23

Instrument :

MSVOA_N

ClientSampleId :

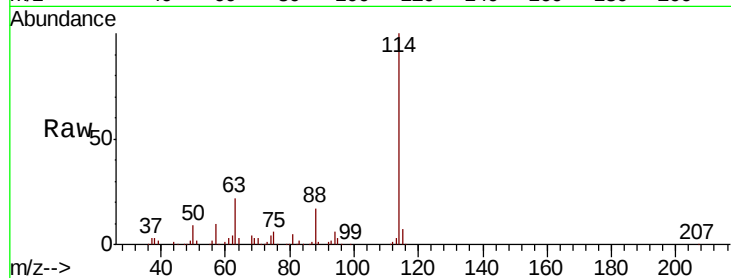
Tot Ion:114 Resp: 239485

Ion Ratio Lower Upper

114 100

63 22.0 0.0 46.2

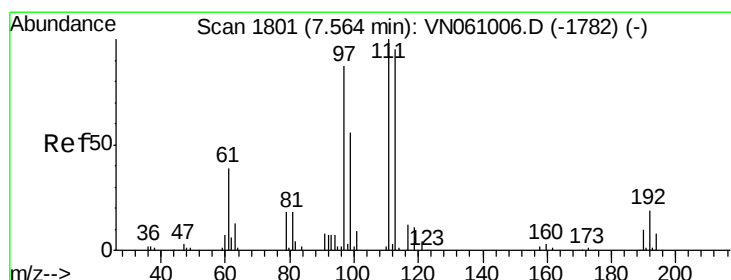
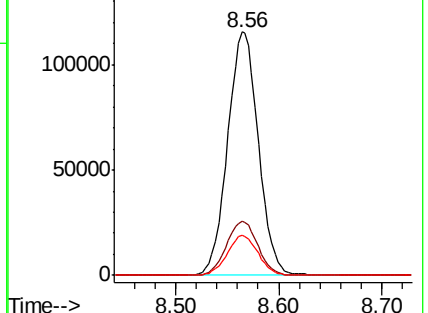
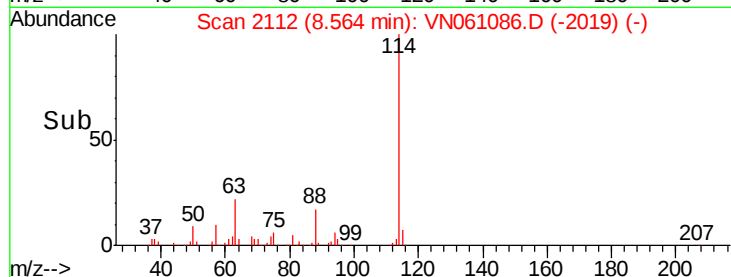
88 16.5 0.0 33.4



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: 52.114 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061086.D

Acq: 18 Apr 2020 5:23

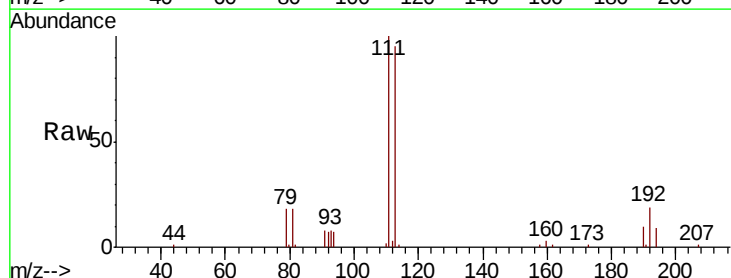
Tgt Ion:113 Resp: 72885

Ion Ratio Lower Upper

113 100

111 103.3 83.4 125.2

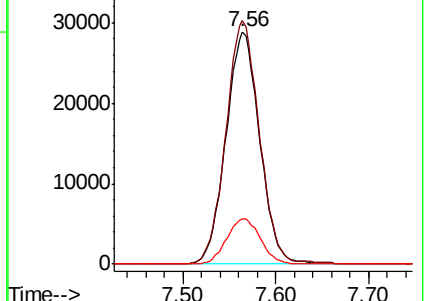
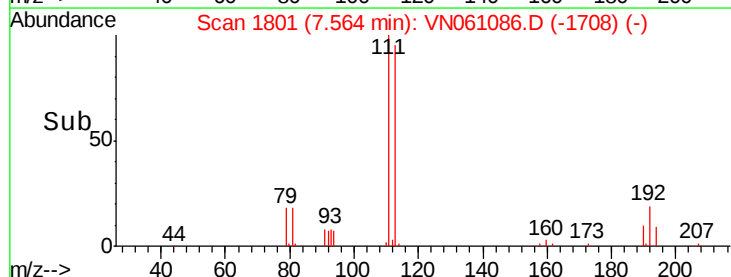
192 19.4 15.5 23.3

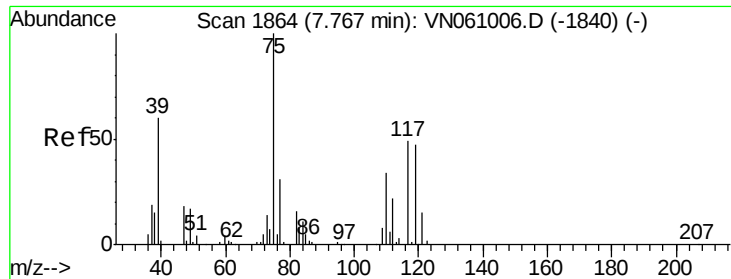


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

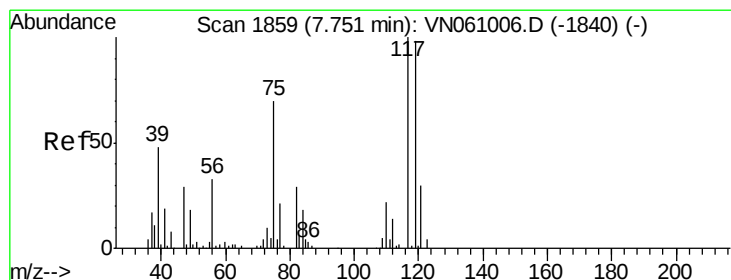
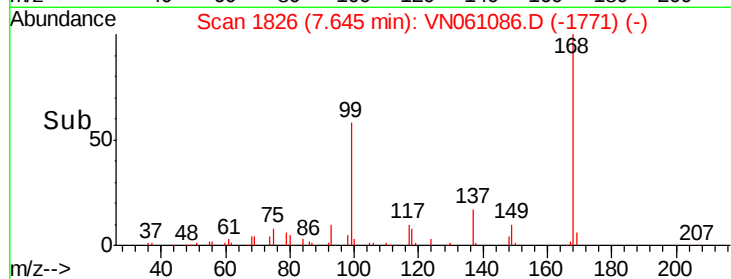
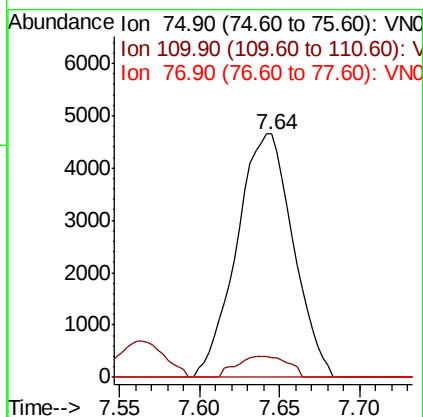
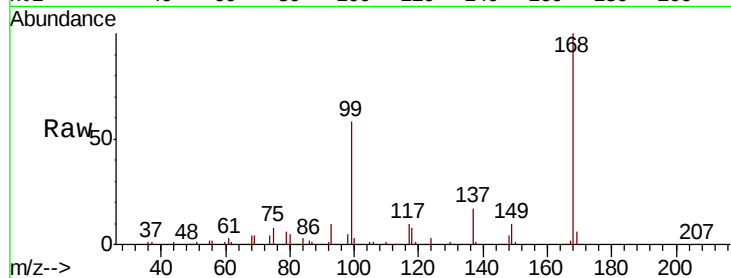




#36
 1,1-Dichloropropene
 Concen: 4.549 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.12 min
 Lab File: VN061086.D
 Acq: 18 Apr 2020 5:23

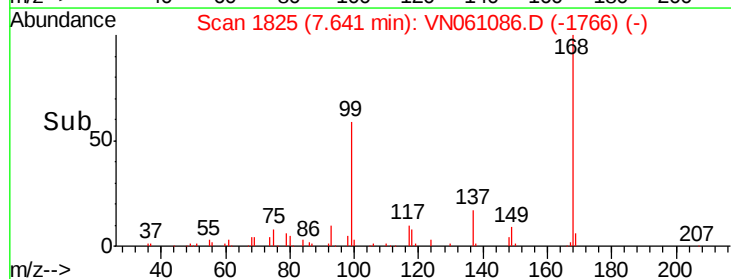
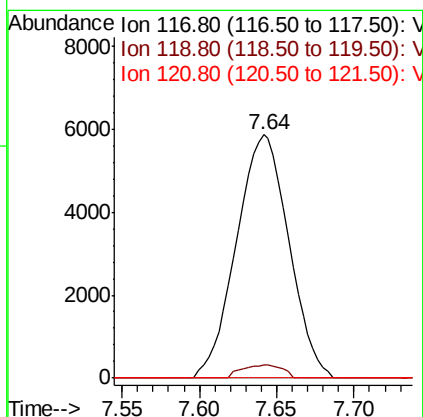
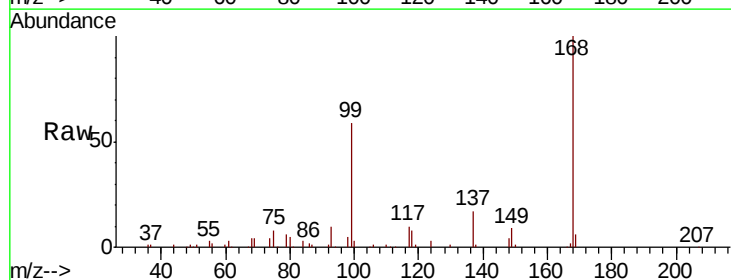
Instrument :
 MSVOA_N
 ClientSampled :

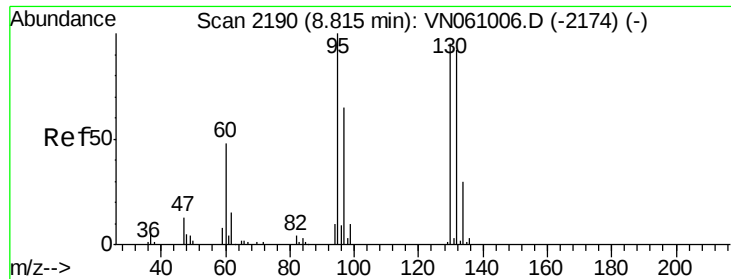
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.8	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.721 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061086.D
 Acq: 18 Apr 2020 5:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.1	117.1#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 16.512 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN061086.D

Acq: 18 Apr 2020 5:23

Instrument :

MSVOA_N

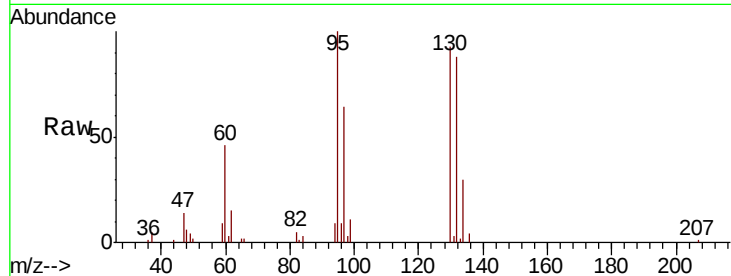
ClientSampleId :

Tot Ion:130 Resp: 30418

Ion Ratio Lower Upper

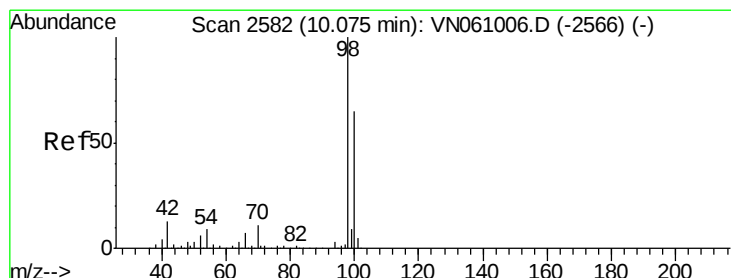
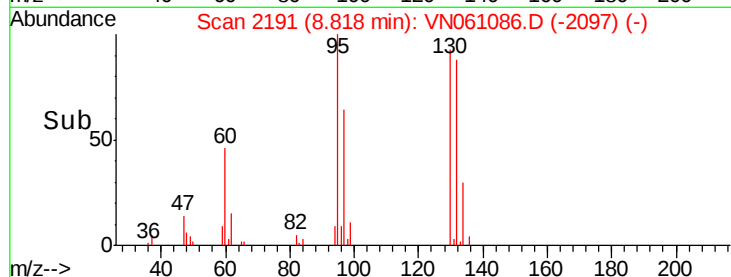
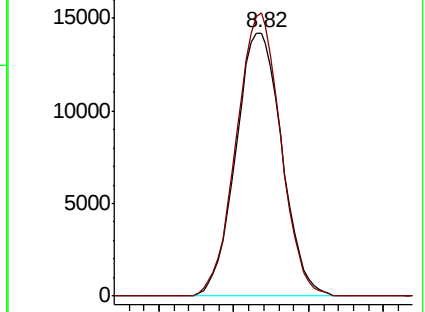
130 100

95 107.5 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): VN061006.D (-2174) (-)

Ion 94.90 (94.60 to 95.60): VN061006.D (-2174) (-)



#50

Toluene-d8

Concen: 56.935 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061086.D

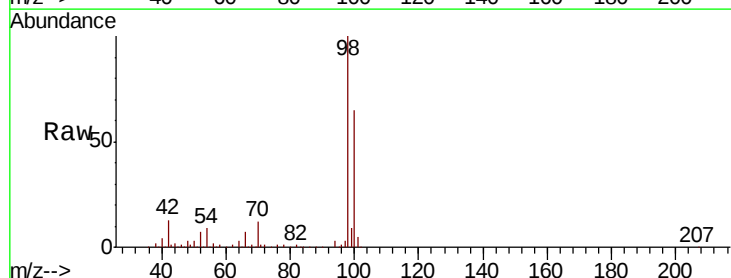
Acq: 18 Apr 2020 5:23

Tgt Ion: 98 Resp: 300896

Ion Ratio Lower Upper

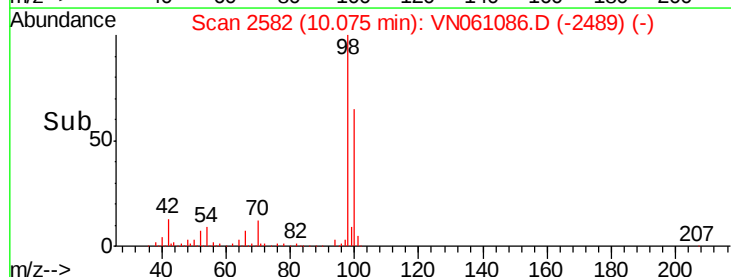
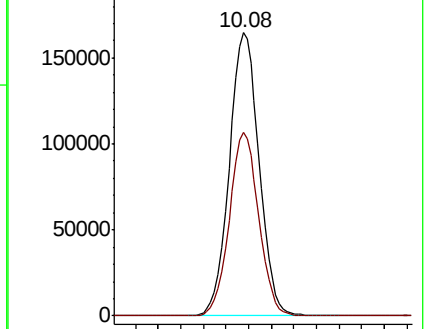
98 100

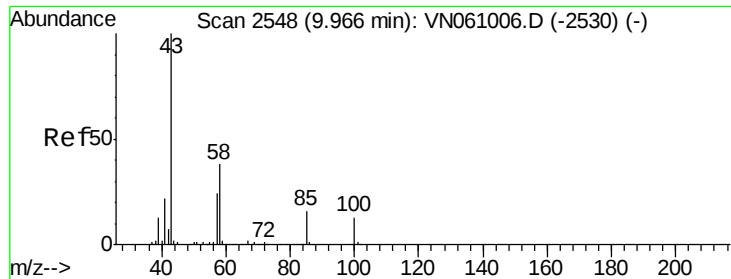
100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN061006.D (-2566) (-)

Ion 100.00 (99.70 to 100.70): VN061006.D (-2566) (-)

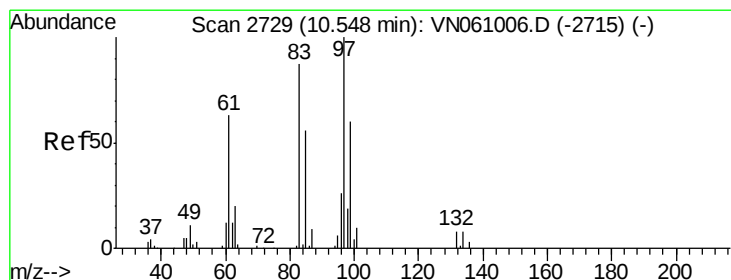
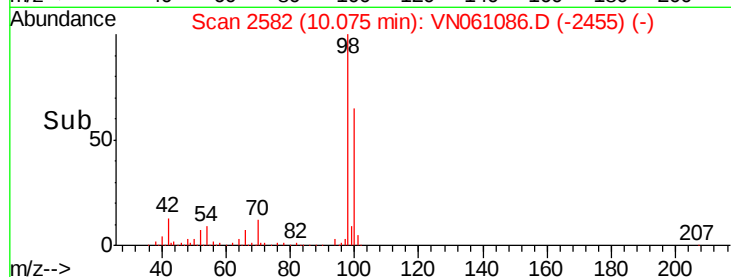
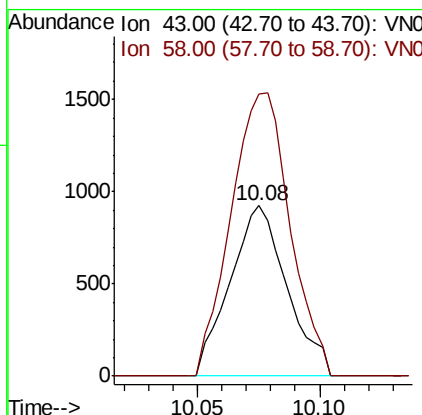
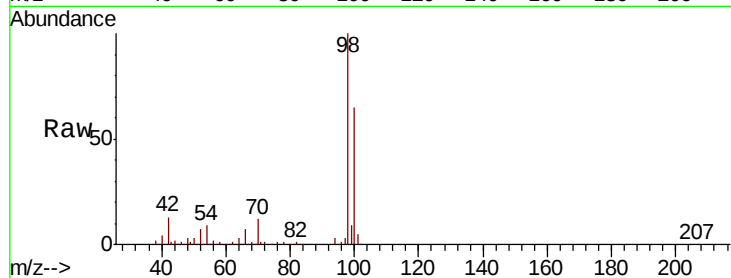




#51
 4-Methyl-2-Pentanone
 Concen: 0.595 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. 0.11 min
 Lab File: VN061086.D
 Acq: 18 Apr 2020 5:23

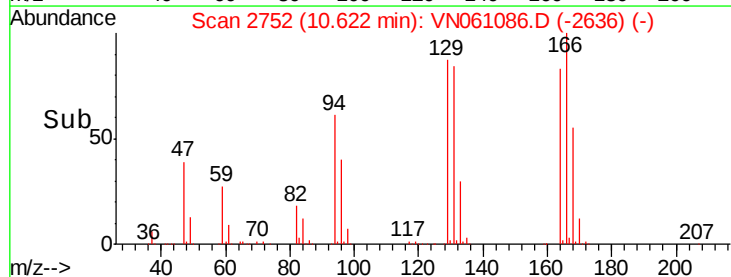
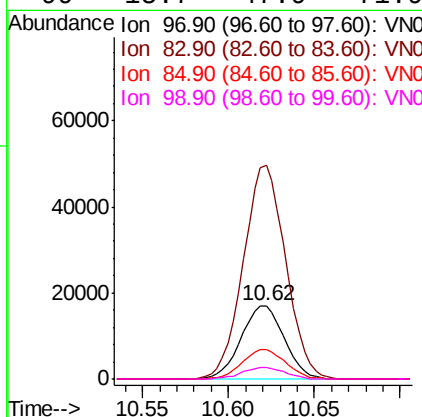
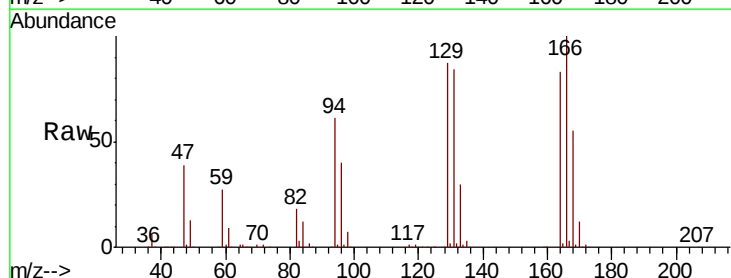
Instrument :
 MSVOA_N
 ClientSampleId :

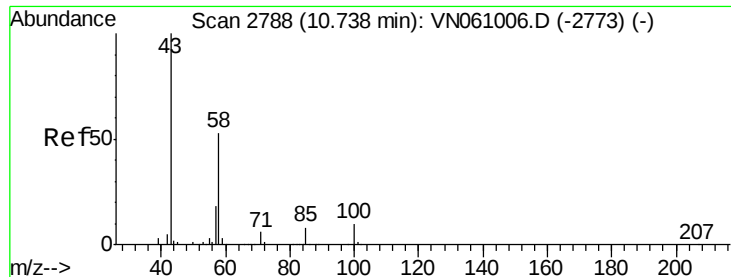
Tot Ion: 43 Resp: 1496
 Ion Ratio Lower Upper
 43 100
 58 172.4 30.3 45.5#



#55
 1,1,2-Trichloroethane
 Concen: 17.822 ug/l
 RT: 10.62 min Scan# 2752
 Delta R.T. 0.07 min
 Lab File: VN061086.D
 Acq: 18 Apr 2020 5:23

Tgt Ion: 97 Resp: 29663
 Ion Ratio Lower Upper
 97 100
 83 292.4 69.5 104.3#
 85 39.6 45.0 67.4#
 99 15.7 47.9 71.9#

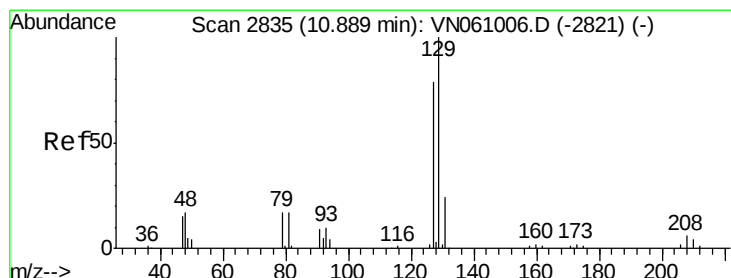
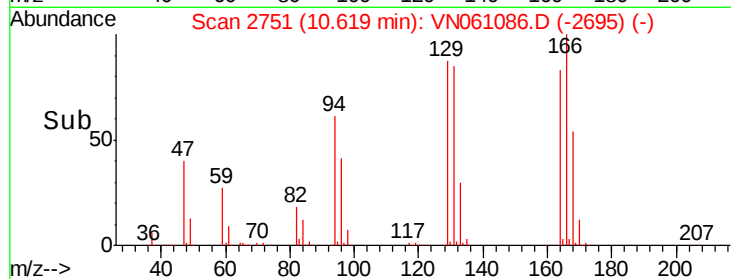
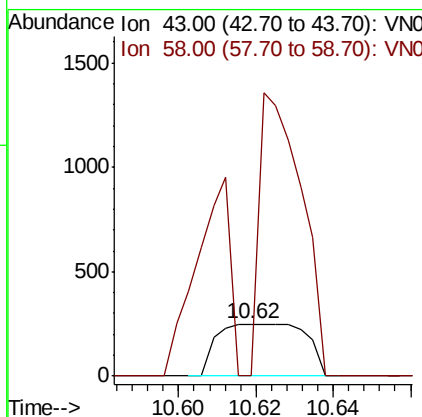
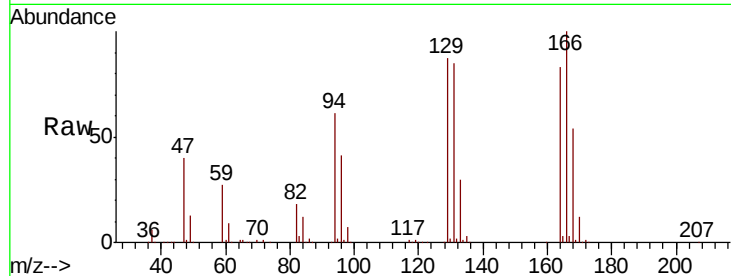




#59
2-Hexanone
Concen: 0.218 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.12 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

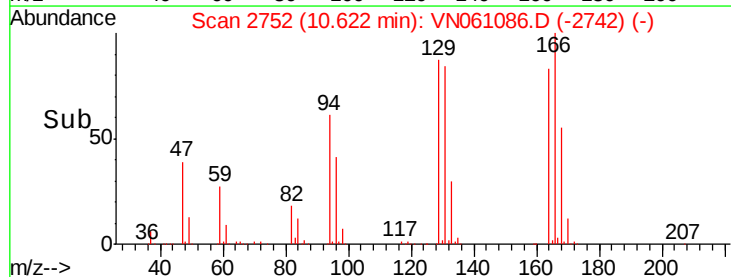
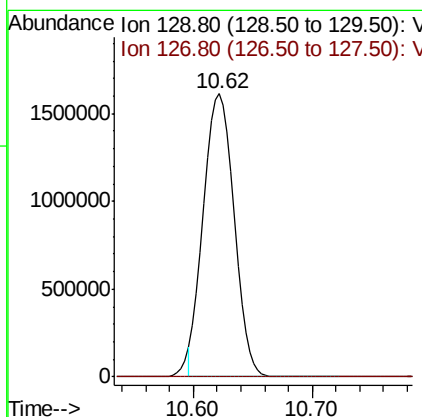
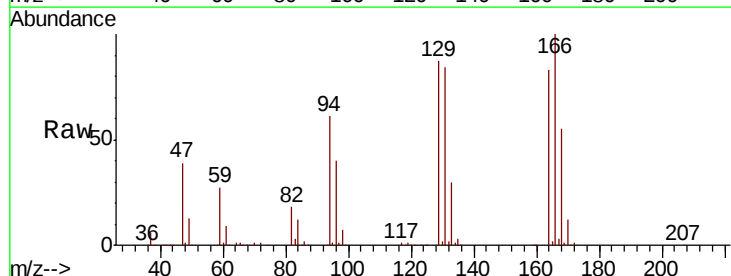
Instrument :
MSVOA_N
ClientSampled :

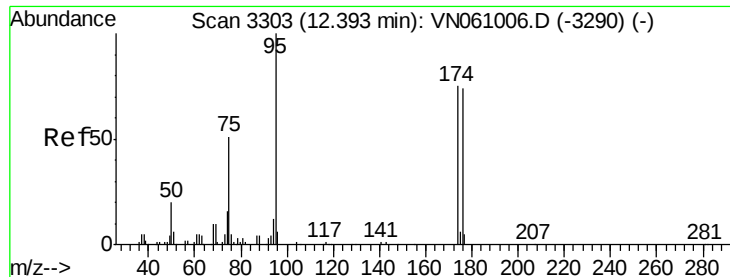
Tot Ion: 43 Resp: 395
Ion Ratio Lower Upper
43 100
58 261.5 26.4 79.0#



#60
Dibromochloromethane
Concen: 1691.158 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.27 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

Tgt Ion: 129 Resp: 2891509
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

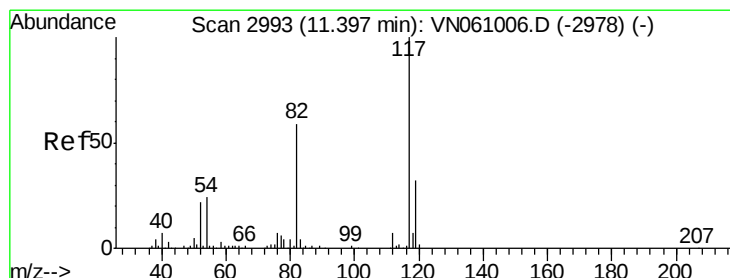
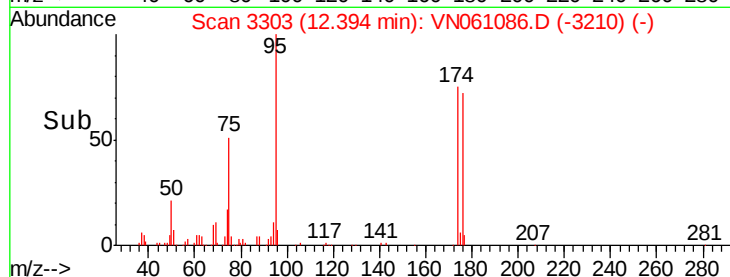
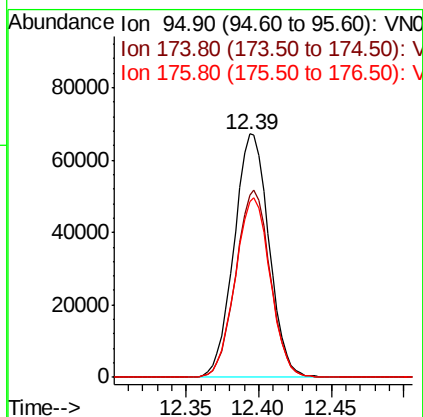
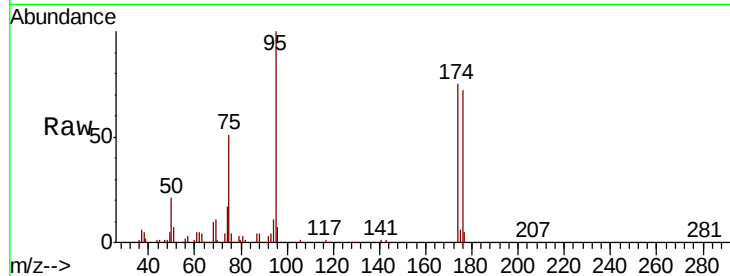




#62
4-Bromofluorobenzene
Concen: 54.435 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.00 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

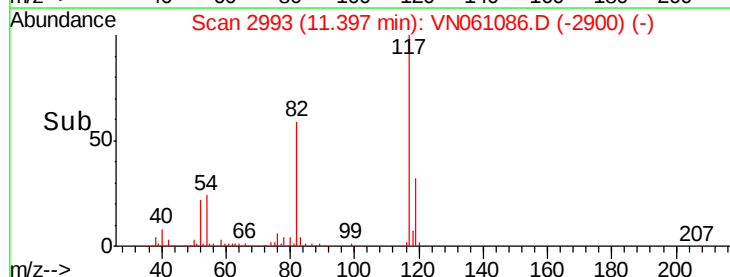
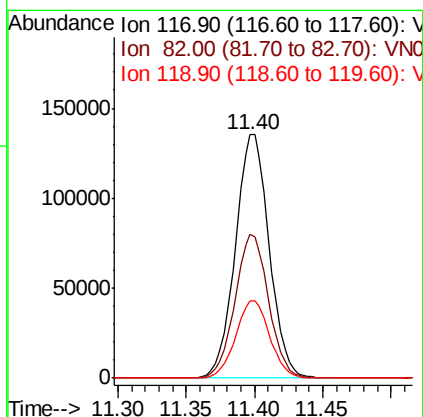
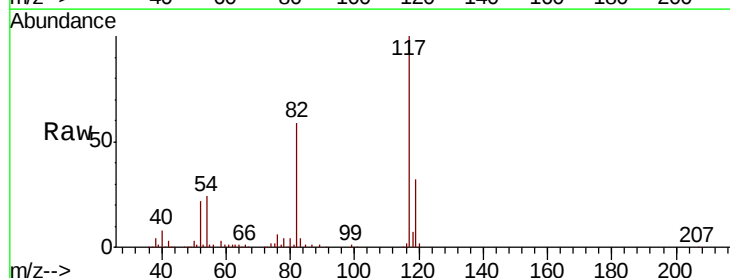
Instrument :
MSVOA_N
ClientSampled :

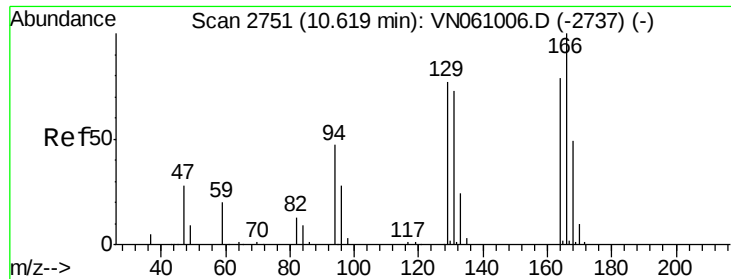
Tot Ion: 95 Resp: 112751
Ion Ratio Lower Upper
95 100
174 76.0 0.0 151.2
176 74.1 0.0 148.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061086.D
Acq: 18 Apr 2020 5:23

Tgt Ion: 117 Resp: 232726
Ion Ratio Lower Upper
117 100
82 59.0 47.1 70.7
119 31.9 25.7 38.5





#64

Tetrachloroethene

Concen: 1618.881 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN061086.D

Acq: 18 Apr 2020 5:23

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 2882981

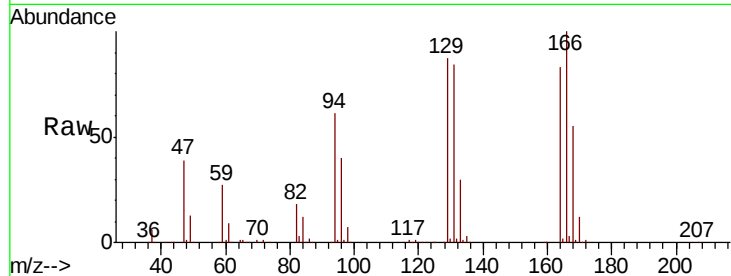
Ion Ratio Lower Upper

164 100

166 120.6 101.6 152.4

129 104.5 78.5 117.7

131 101.7 74.3 111.5

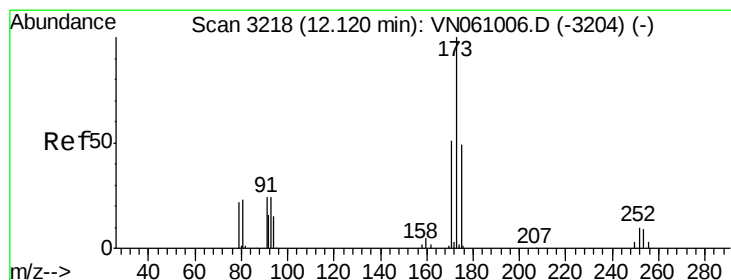
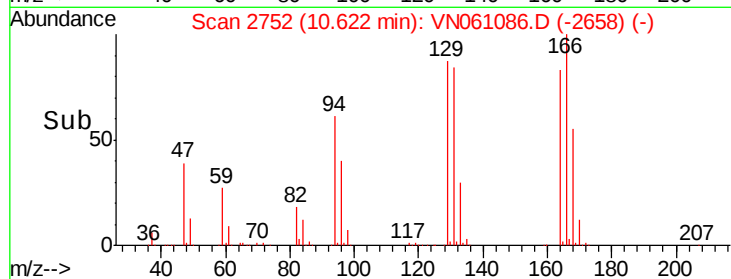
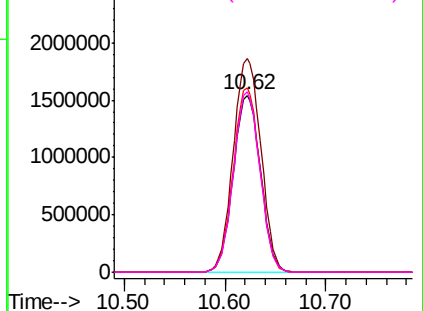


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 0.313 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN061086.D

Acq: 18 Apr 2020 5:23

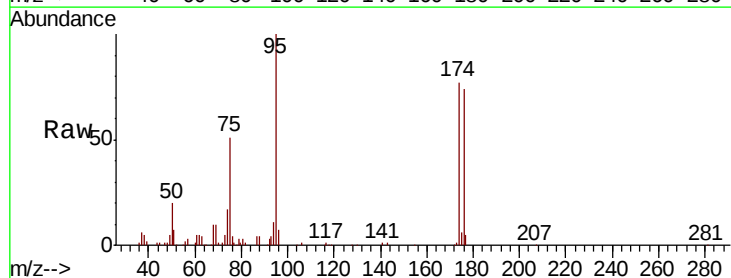
Tgt Ion:173 Resp: 401

Ion Ratio Lower Upper

173 100

175 1420.2 24.5 73.5#

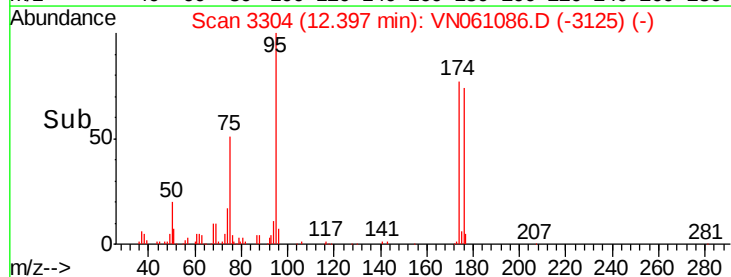
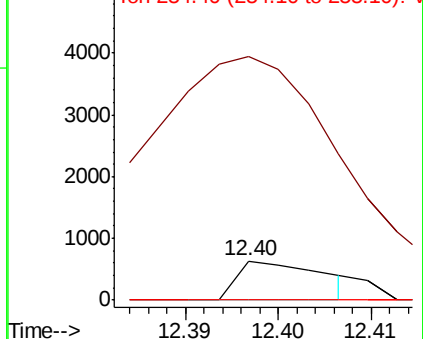
254 0.0 0.0 0.0

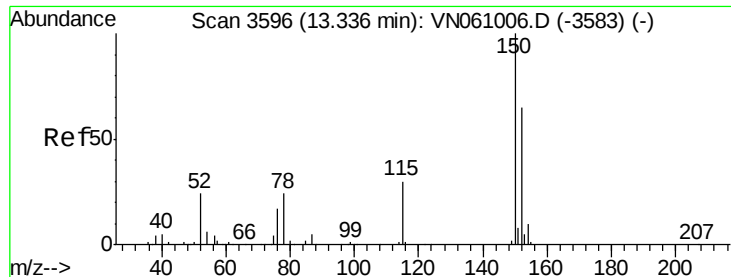


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN061086.D

Acq: 18 Apr 2020 5:23

Instrument :

MSVOA_N

ClientSampled :

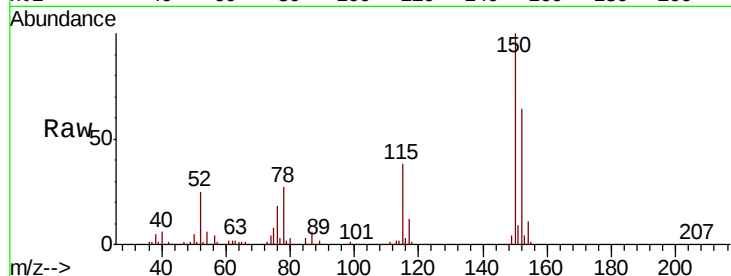
Tot Ion:152 Resp: 103194

Ion Ratio Lower Upper

152 100

115 60.8 30.8 92.4

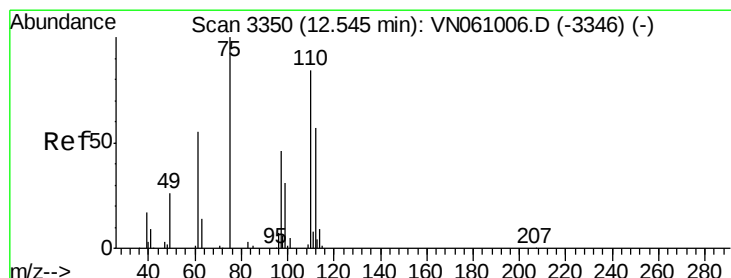
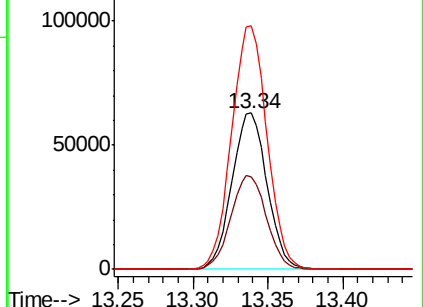
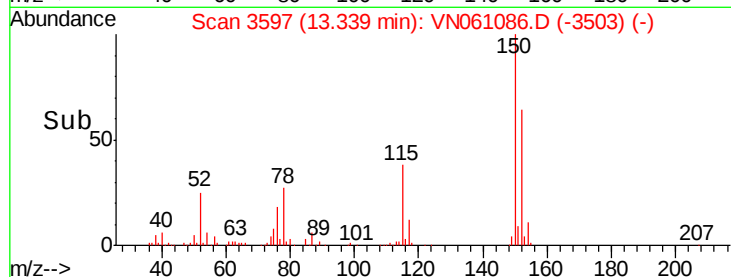
150 157.1 0.0 349.0



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: 25.615 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061086.D

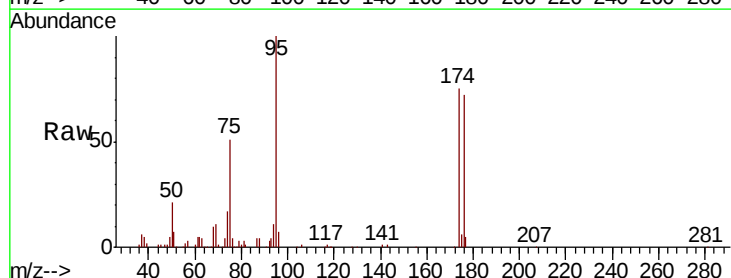
Acq: 18 Apr 2020 5:23

Tgt Ion: 75 Resp: 58141

Ion Ratio Lower Upper

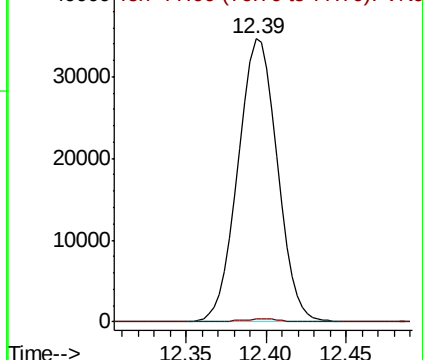
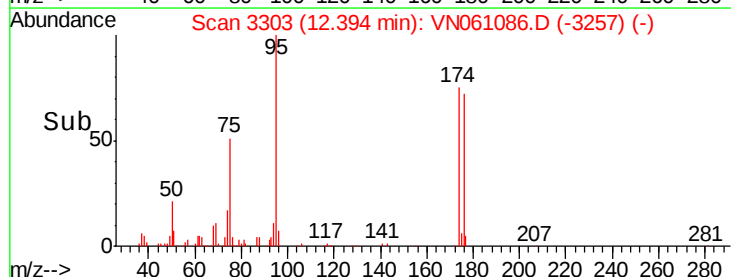
75 100

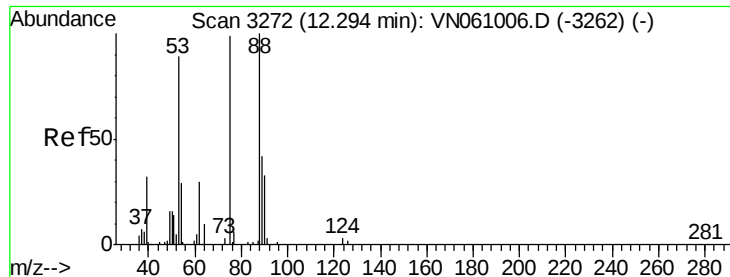
77 0.9 0.0 0.0#



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: 63.180 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061086.D

Acq: 18 Apr 2020 5:23

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 58141

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

