

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050720\
 Data File : VN061324.D
 Acq On : 7 May 2020 11:11
 Operator : JC/MD
 Sample : VN0507WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 08 01:18:31 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

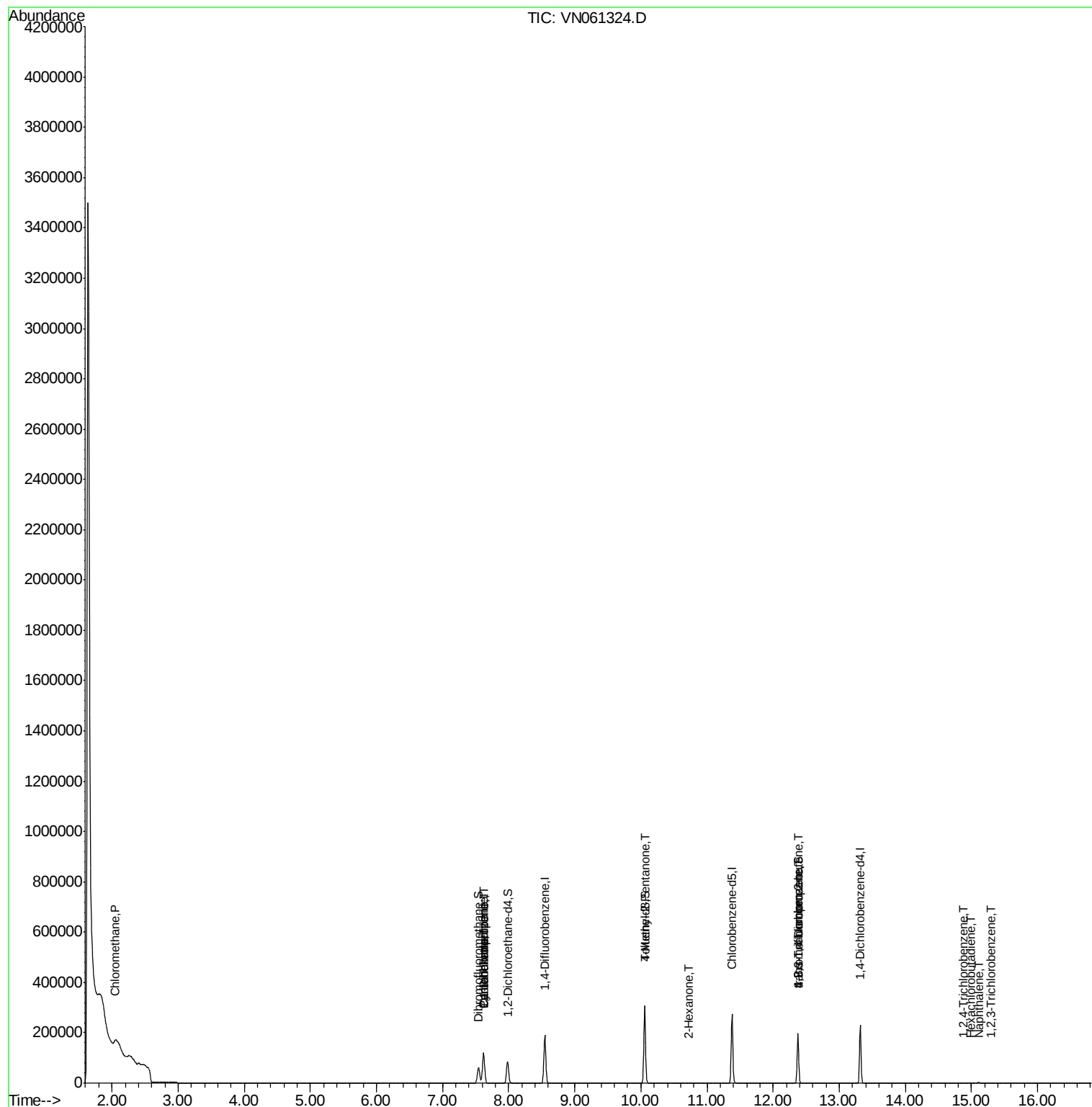
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	89767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	159968	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	147826	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	56532	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	73817	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	7.54	113	48126	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
50) Toluene-d8	10.06	98	196782	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.37	95	67416	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.03	50	475	0.412	ug/l #	85
16) Acetone	3.78	43	849	Below Cal	#	47
31) Cyclohexane	7.62	56	2534	1.226	ug/l #	19
36) 1,1-Dichloropropene	7.62	75	8222	5.134	ug/l #	49
38) Carbon Tetrachloride	7.62	117	9615	8.567	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	1022	0.557	ug/l #	1
59) 2-Hexanone	10.73	43	271	0.203	ug/l #	27
76) 1,2,3-Trichloropropane	12.37	75	37584	31.534	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	37584	80.081	ug/l #	8
93) 1,2,4-Trichlorobenzene	14.89	180	499	0.484	ug/l #	70
94) Hexachlorobutadiene	14.99	225	338	0.785	ug/l #	68
95) Naphthalene	15.11	128	2188	0.652	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.29	180	572	0.562	ug/l #	73

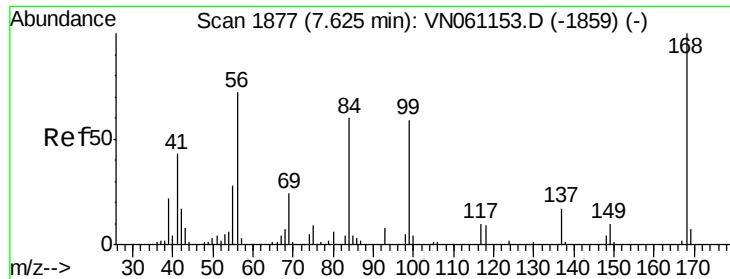
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue May 05 07:01:08 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

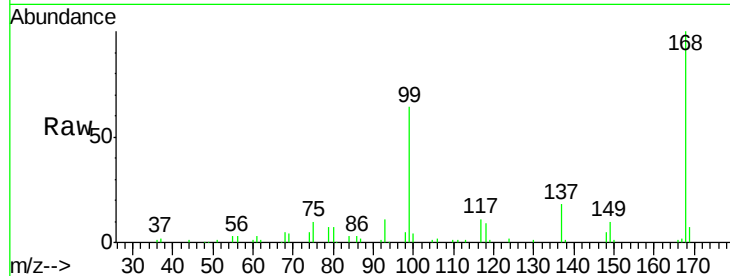
ClientSampleId :

Tot Ion:168 Resp: 89767

Ion Ratio Lower Upper

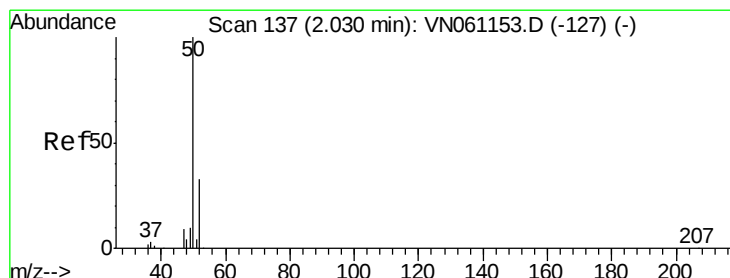
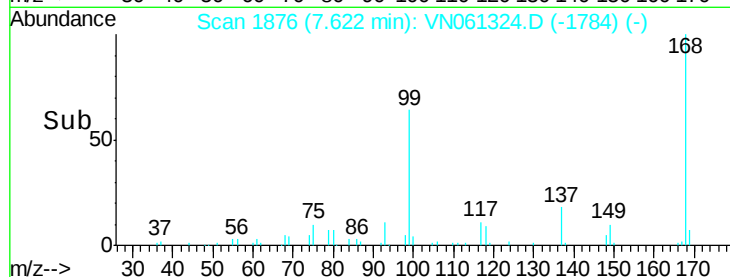
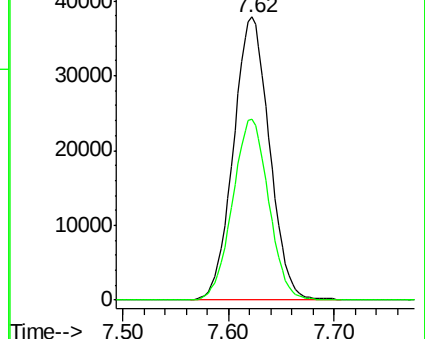
168 100

99 64.1 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: 0.412 ug/l

RT: 2.03 min Scan# 138

Delta R.T. 0.00 min

Lab File: VN061324.D

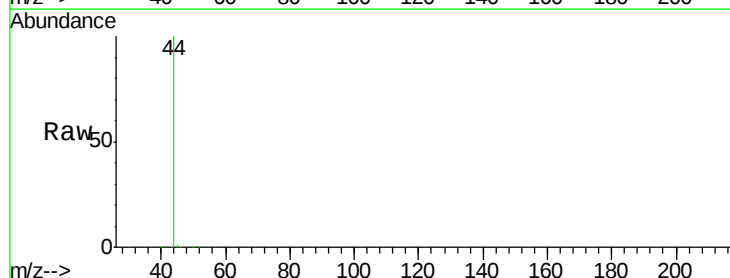
Acq: 7 May 2020 11:11

Tgt Ion: 50 Resp: 475

Ion Ratio Lower Upper

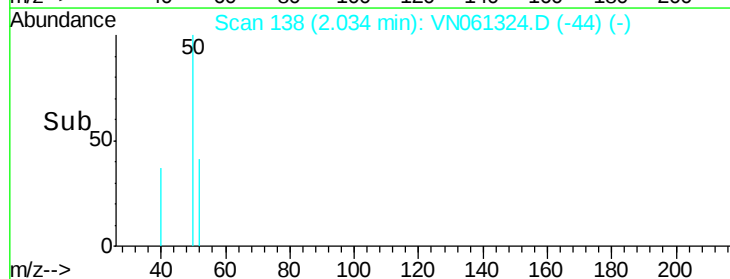
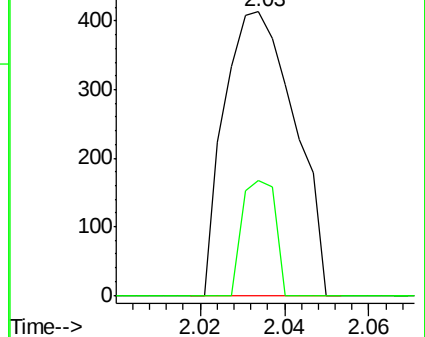
50 100

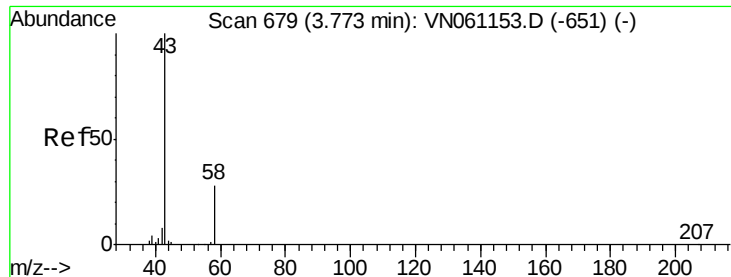
52 40.7 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

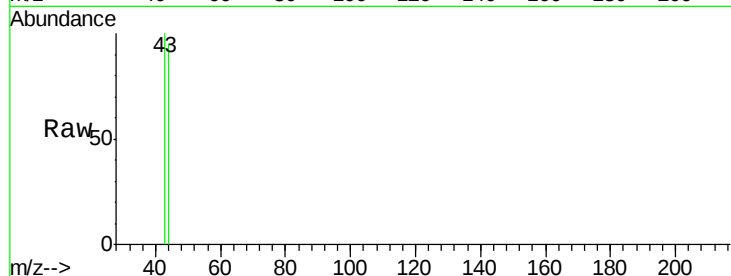
ClientSampleId :

Tot Ion: 43 Resp: 849

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

3.78

400

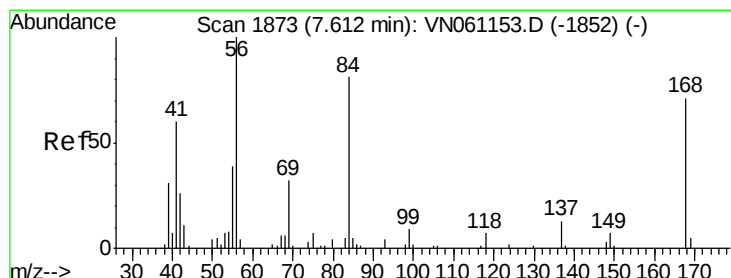
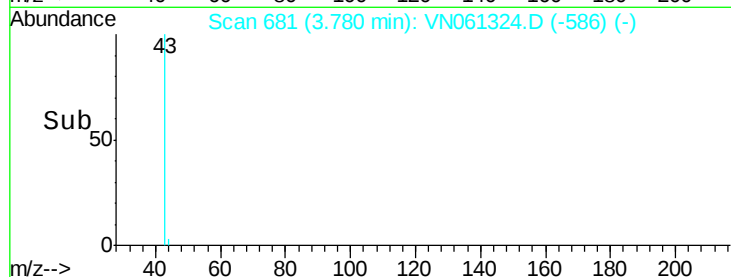
300

200

100

0

Time-->



#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. 0.01 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

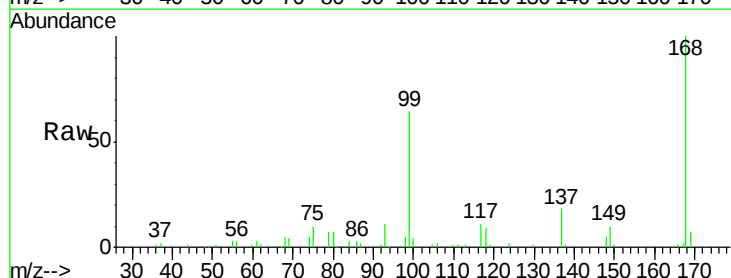
Tgt Ion: 56 Resp: 2534

Ion Ratio Lower Upper

56 100

69 137.5 25.7 38.5#

84 114.3 64.6 97.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

2000

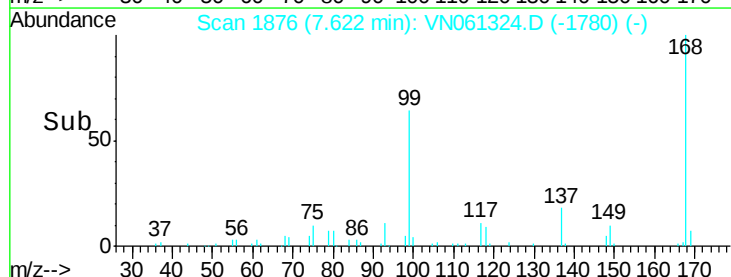
1500

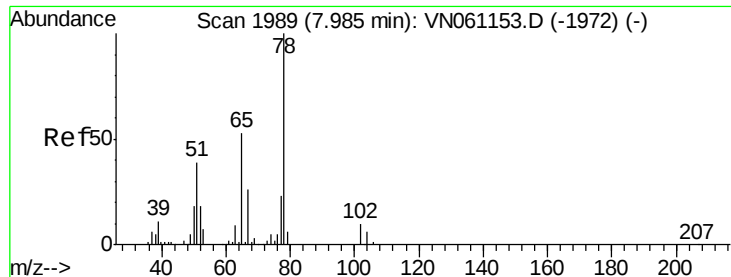
1000

500

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 51.969 ug/l

RT: 7.98 min Scan# 1988

Delta R.T. -0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

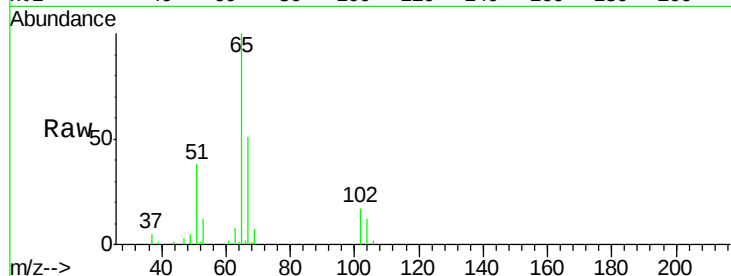
ClientSampleId :

Tot Ion: 65 Resp: 73817

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN061153.D (-1972) (-)

Ion 66.90 (66.60 to 67.60): VN061153.D (-1972) (-)

7.98

30000

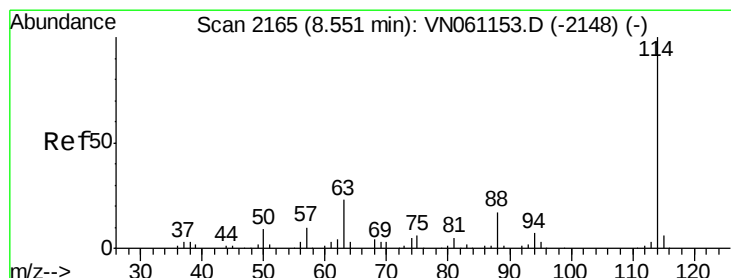
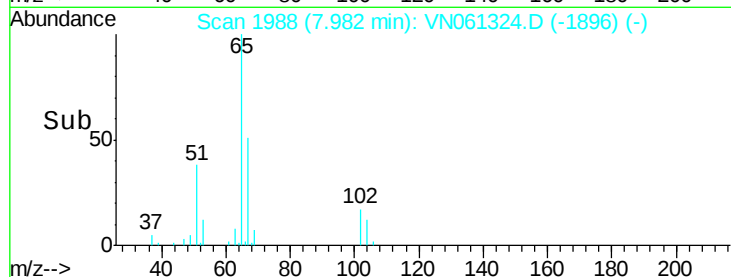
20000

10000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

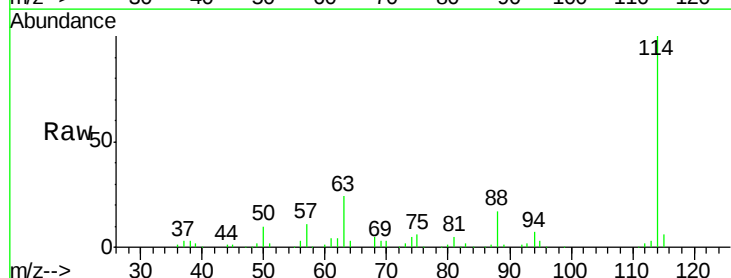
Tgt Ion: 114 Resp: 159968

Ion Ratio Lower Upper

114 100

63 24.1 0.0 46.6

88 16.7 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): VN061153.D (-2148) (-)

Ion 63.00 (62.70 to 63.70): VN061153.D (-2148) (-)

Ion 87.90 (87.60 to 88.60): VN061153.D (-2148) (-)

8.55

100000

80000

60000

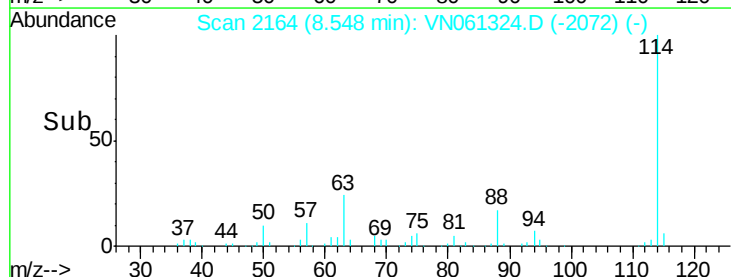
40000

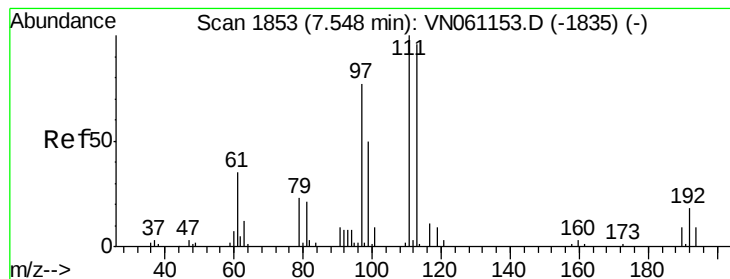
20000

0

8.50 8.60

Time-->





#35

Dibromofluoromethane

Concen: 50.877 ug/l

RT: 7.54 min Scan# 1852

Delta R.T. -0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

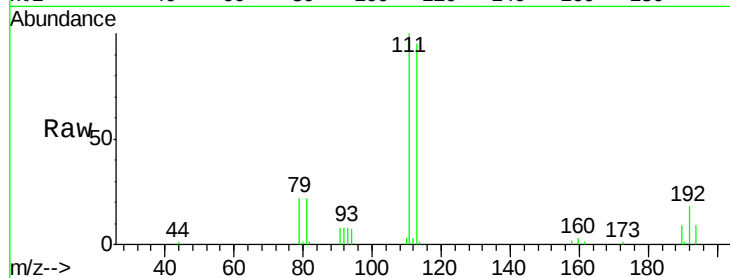
Tot Ion:113 Resp: 48126

Ion Ratio Lower Upper

113 100

111 103.0 82.9 124.3

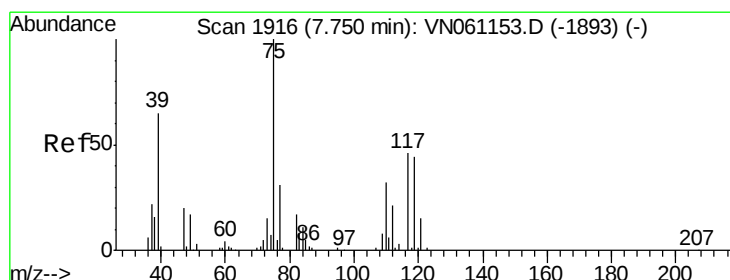
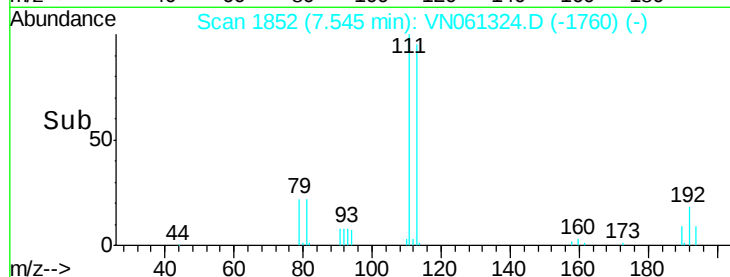
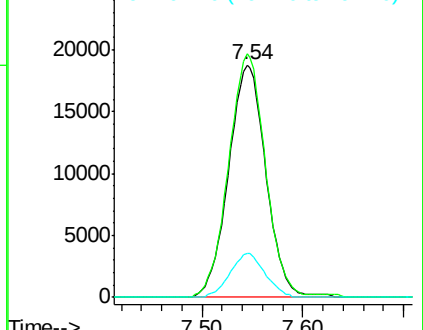
192 17.7 14.7 22.1



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: 5.134 ug/l

RT: 7.62 min Scan# 1876

Delta R.T. -0.13 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

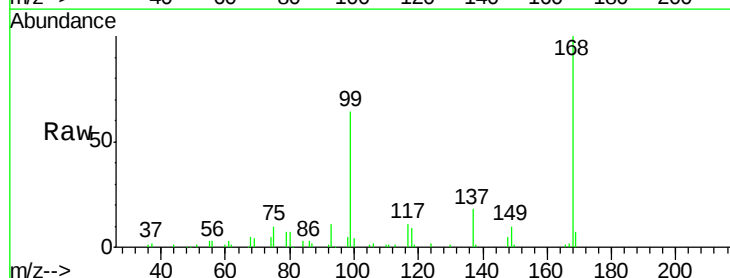
Tgt Ion: 75 Resp: 8222

Ion Ratio Lower Upper

75 100

110 6.6 16.0 48.0#

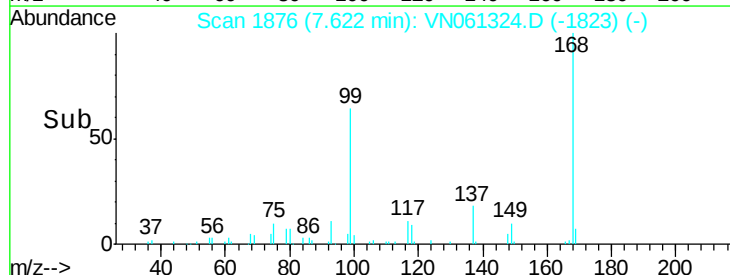
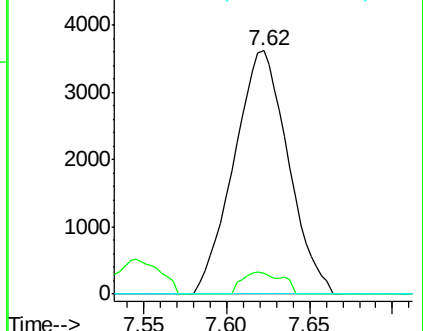
77 0.0 24.6 37.0#

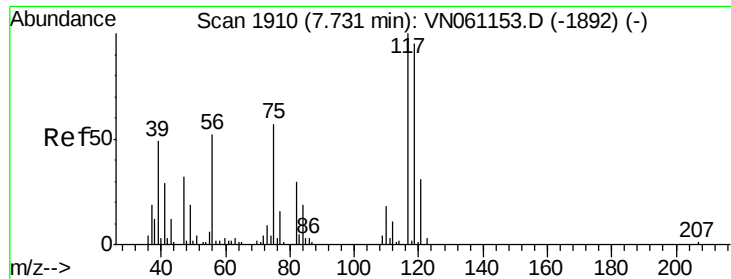


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

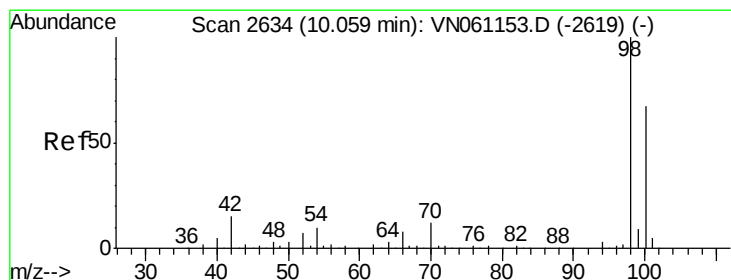
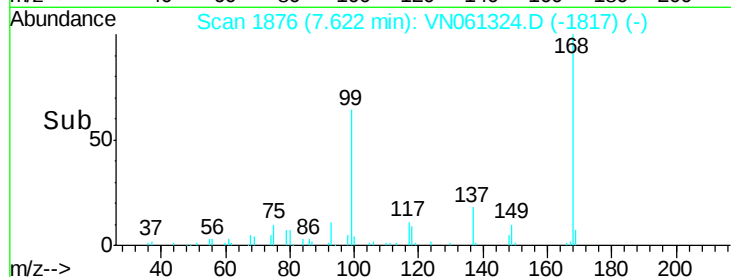
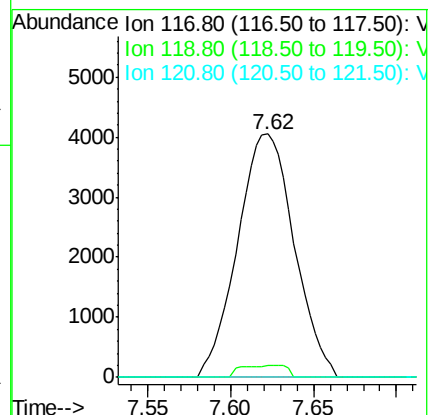
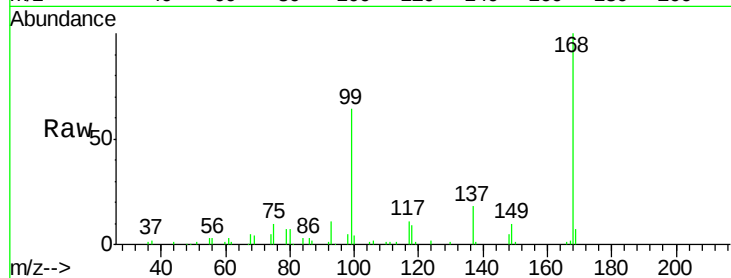




#38
Carbon Tetrachloride
Concen: 8.567 ug/l
RT: 7.62 min Scan# 1876
Delta R.T. -0.11 min
Lab File: VN061324.D
Acq: 7 May 2020 11:11

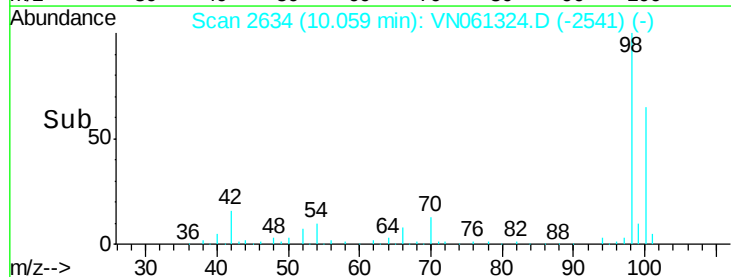
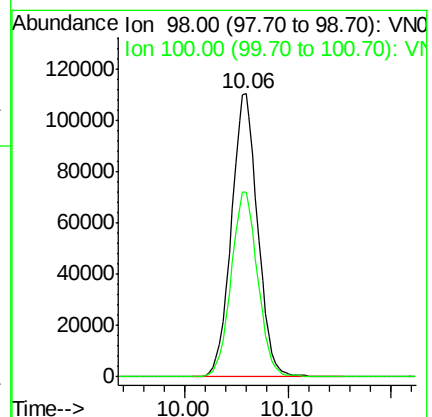
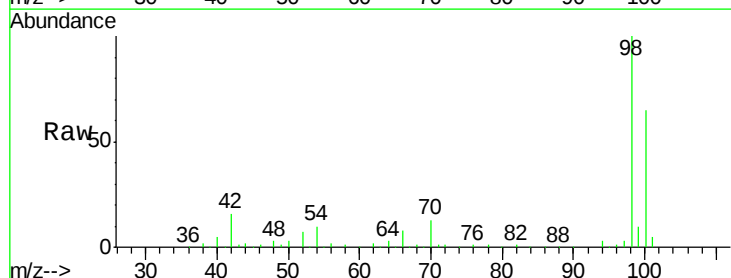
Instrument :
MSVOA_N
ClientSampled :

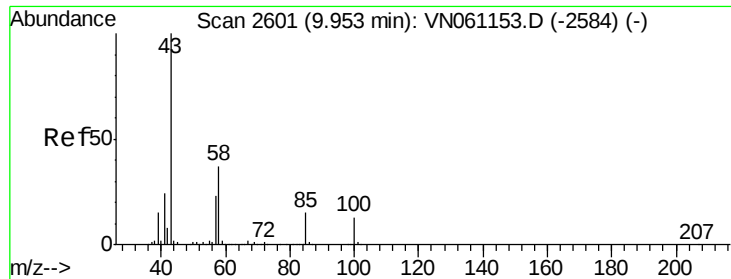
Tot Ion:117 Resp: 9615
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.6#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 51.031 ug/l
RT: 10.06 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VN061324.D
Acq: 7 May 2020 11:11

Tgt Ion: 98 Resp: 196782
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 0.557 ug/l

RT: 10.06 min Scan# 2633

Delta R.T. 0.10 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

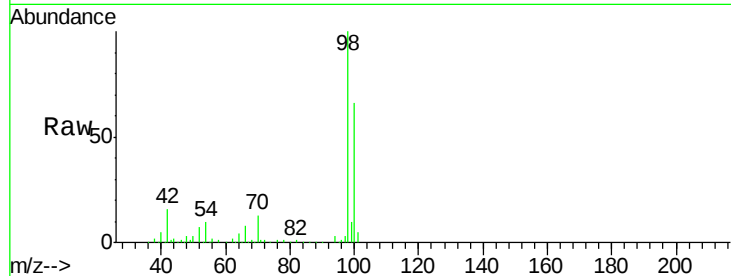
ClientSampled :

Tot Ion: 43 Resp: 1022

Ion Ratio Lower Upper

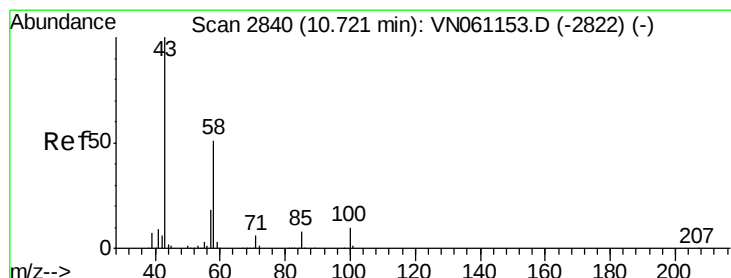
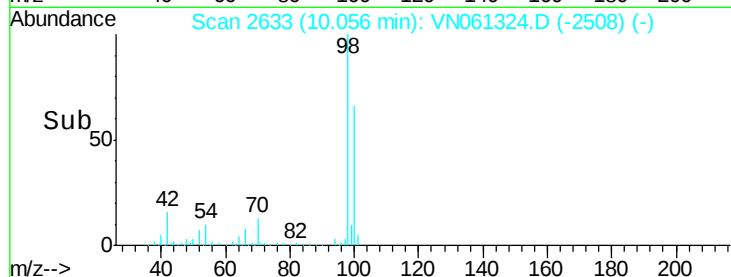
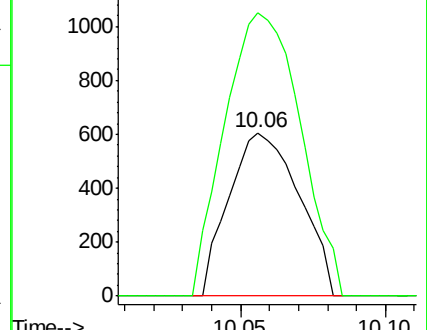
43 100

58 186.1 29.1 43.7#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2584) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2584) (-)



#59

2-Hexanone

Concen: 0.203 ug/l

RT: 10.73 min Scan# 2842

Delta R.T. 0.01 min

Lab File: VN061324.D

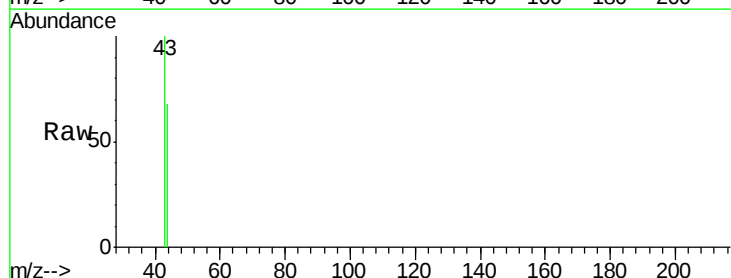
Acq: 7 May 2020 11:11

Tgt Ion: 43 Resp: 271

Ion Ratio Lower Upper

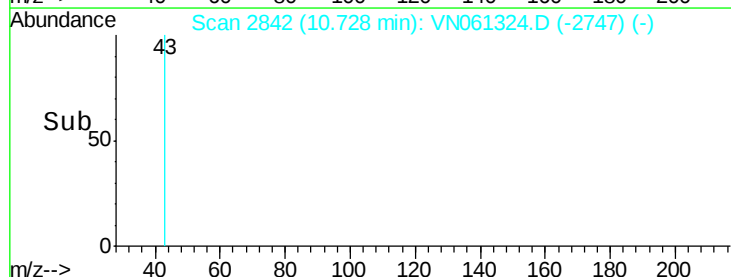
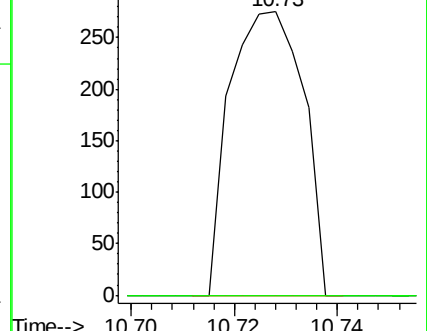
43 100

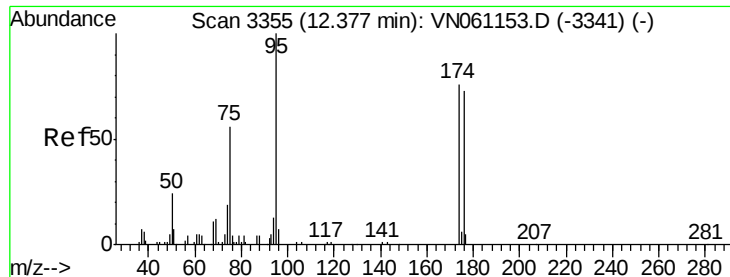
58 0.0 25.4 76.4#



Abundance Ion 43.00 (42.70 to 43.70): VN061153.D (-2822) (-)

Ion 58.00 (57.70 to 58.70): VN061153.D (-2822) (-)





#62

4-Bromofluorobenzene

Concen: 46.458 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

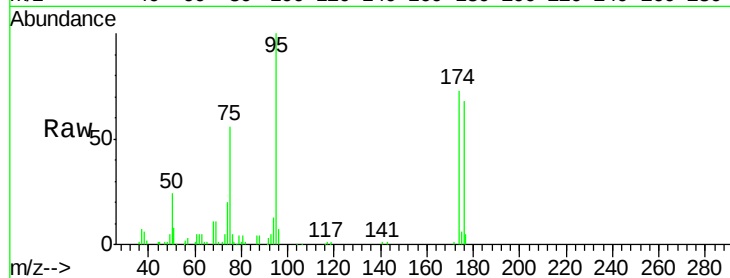
Tot Ion: 95 Resp: 67416

Ion Ratio Lower Upper

95 100

174 74.0 0.0 149.4

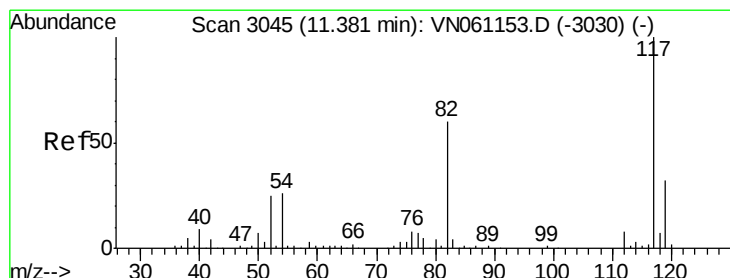
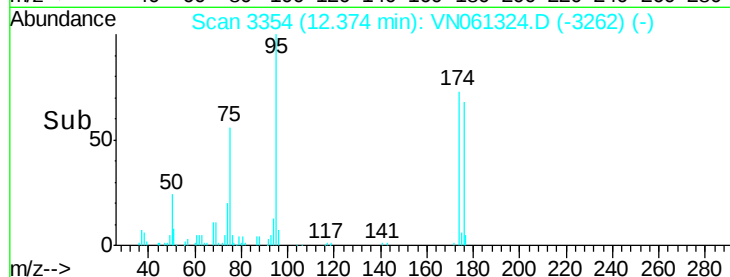
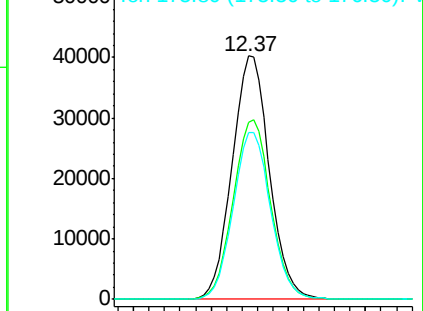
176 68.8 0.0 144.8



Abundance Ion 94.90 (94.60 to 95.60): VN061153.D (-3341) (-)

Ion 173.80 (173.50 to 174.50): VN061153.D (-3341) (-)

Ion 175.80 (175.50 to 176.50): VN061153.D (-3341) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 3045

Delta R.T. 0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

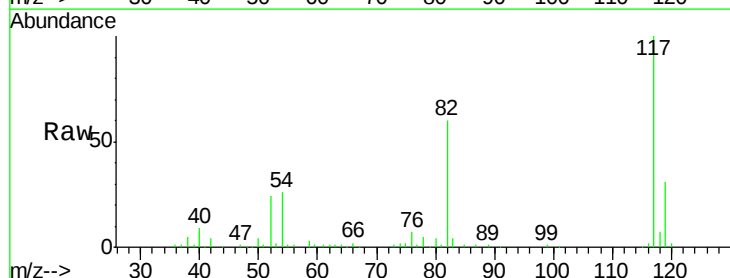
Tgt Ion: 117 Resp: 147826

Ion Ratio Lower Upper

117 100

82 59.9 47.8 71.8

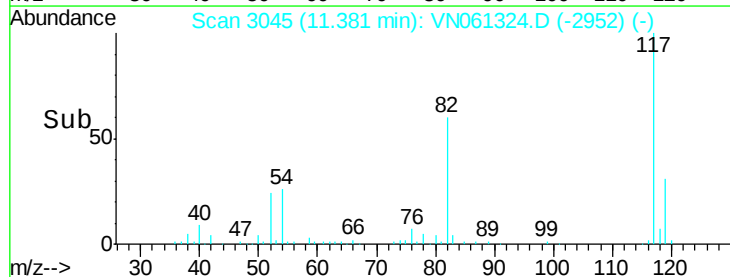
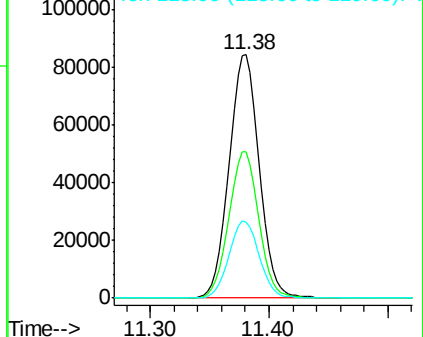
119 31.3 25.8 38.6

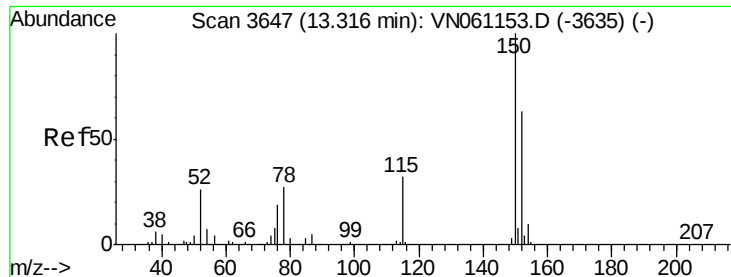


Abundance Ion 116.90 (116.60 to 117.60): VN061153.D (-3030) (-)

Ion 82.00 (81.70 to 82.70): VN061153.D (-3030) (-)

Ion 118.90 (118.60 to 119.60): VN061153.D (-3030) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3648

Delta R.T. 0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

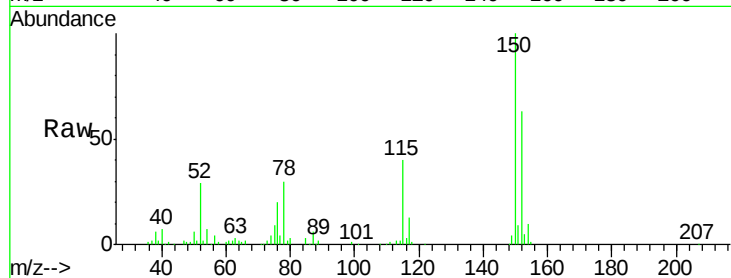
Tot Ion:152 Resp: 56532

Ion Ratio Lower Upper

152 100

115 62.9 31.0 93.0

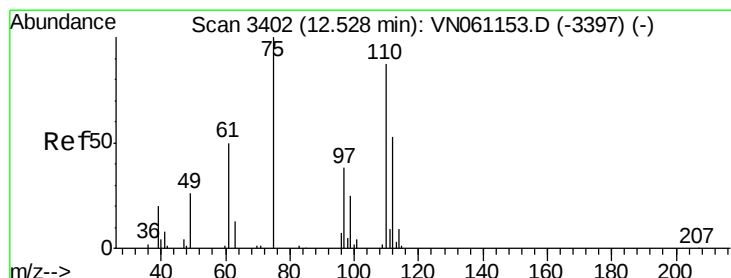
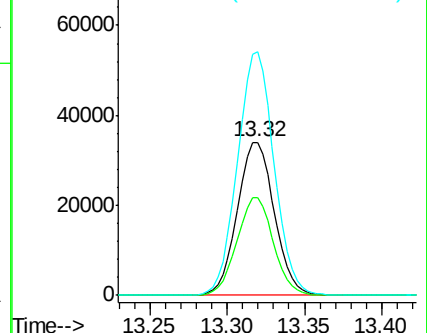
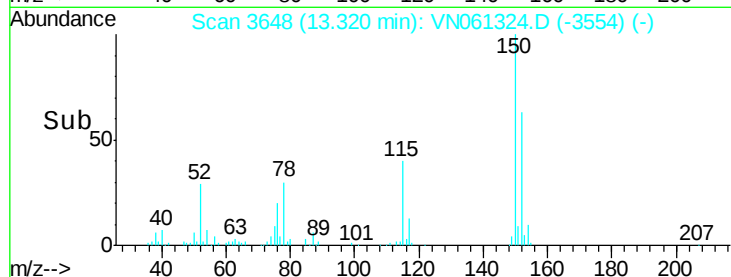
150 157.2 0.0 351.8



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: 31.534 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. -0.15 min

Lab File: VN061324.D

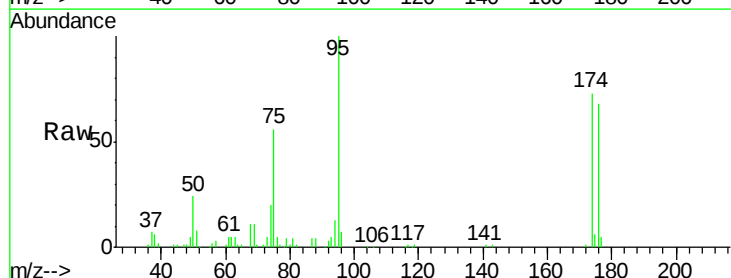
Acq: 7 May 2020 11:11

Tgt Ion: 75 Resp: 37584

Ion Ratio Lower Upper

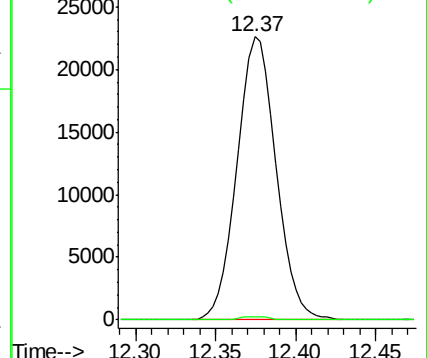
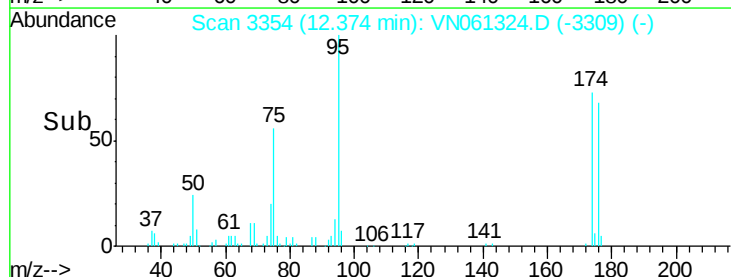
75 100

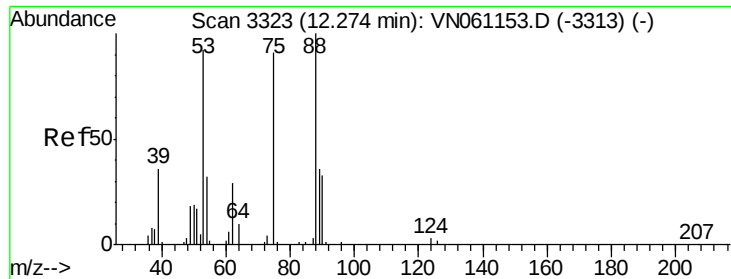
77 0.8 0.0 0.0#



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: 80.081 ug/l

RT: 12.37 min Scan# 3354

Delta R.T. 0.10 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

ClientSampleId :

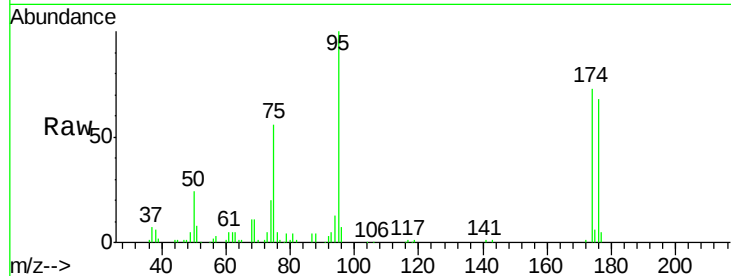
Tot Ion: 75 Resp: 37584

Ion Ratio Lower Upper

75 100

53 0.0 84.1 126.1#

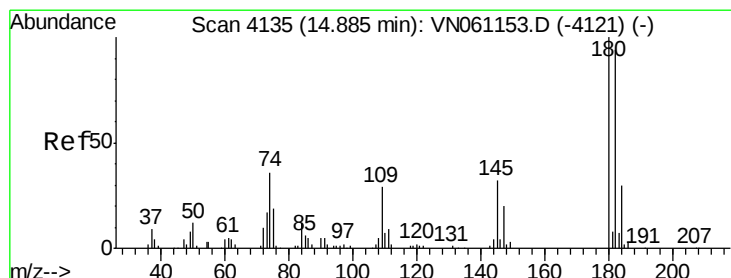
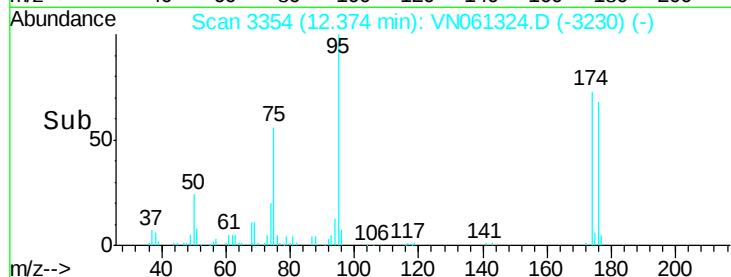
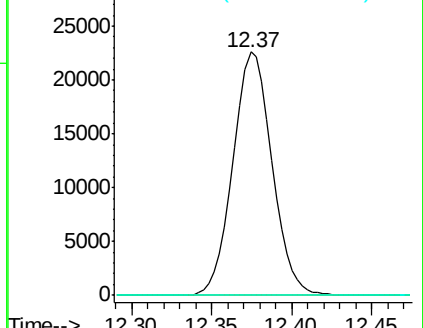
89 0.0 35.2 52.8#



Abundance Ion 74.90 (74.60 to 75.60): VN061153.D (-3313) (-)

Ion 53.00 (52.70 to 53.70): VN061153.D (-3313) (-)

Ion 88.90 (88.60 to 89.60): VN061153.D (-3313) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.484 ug/l

RT: 14.89 min Scan# 4135

Delta R.T. 0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

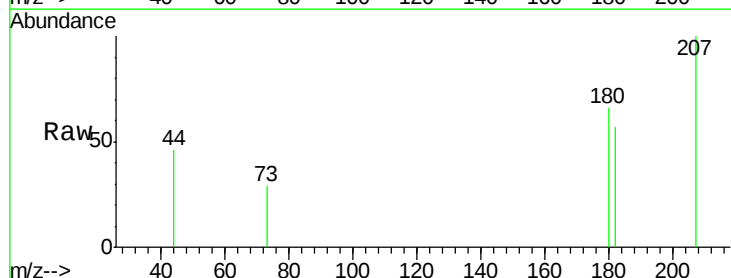
Tgt Ion: 180 Resp: 499

Ion Ratio Lower Upper

180 100

182 74.3 47.3 141.9

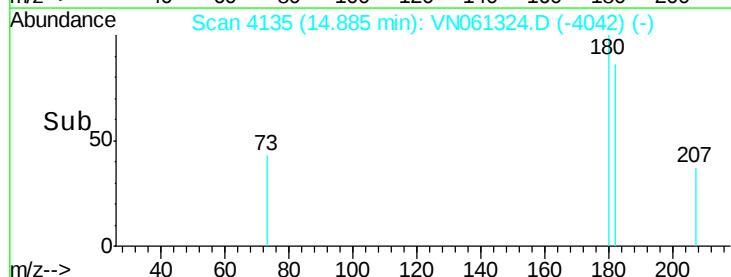
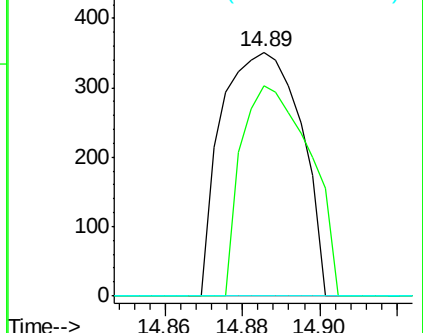
145 0.0 16.0 47.9#

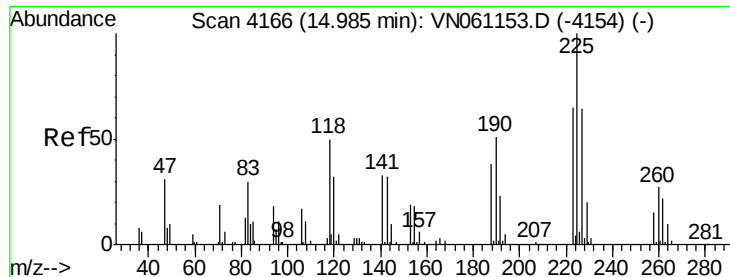


Abundance Ion 179.80 (179.50 to 180.50): VN061153.D (-4121) (-)

Ion 181.80 (181.50 to 182.50): VN061153.D (-4121) (-)

Ion 144.80 (144.50 to 145.50): VN061153.D (-4121) (-)





#94

Hexachlorobutadiene

Concen: 0.785 ug/l

RT: 14.99 min Scan# 4167

Delta R.T. 0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

Instrument :

MSVOA_N

ClientSampled :

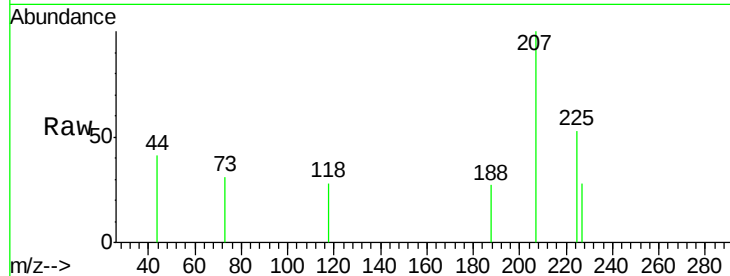
Tot Ion:225 Resp: 338

Ion Ratio Lower Upper

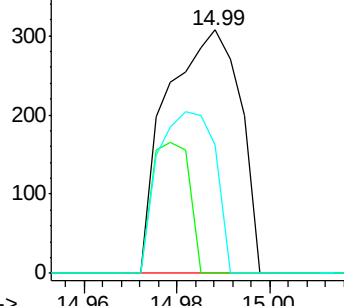
225 100

223 27.2 32.4 97.0#

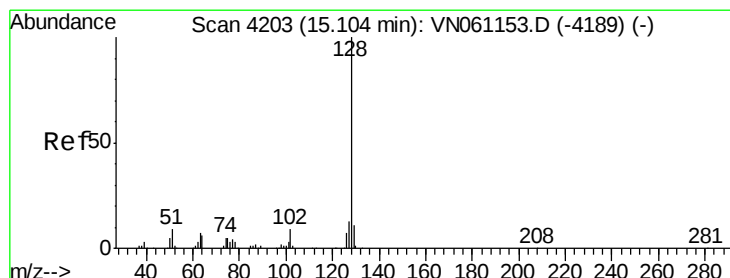
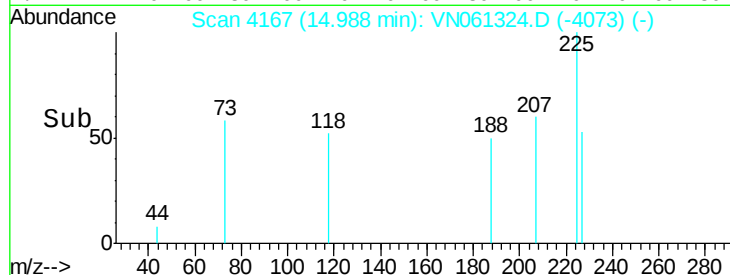
227 51.2 32.4 97.0



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 0.652 ug/l

RT: 15.11 min Scan# 4204

Delta R.T. 0.00 min

Lab File: VN061324.D

Acq: 7 May 2020 11:11

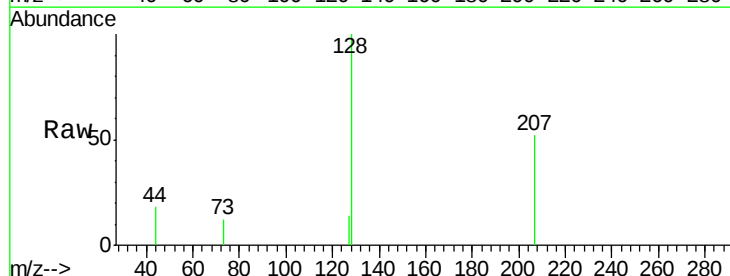
Tgt Ion:128 Resp: 2188

Ion Ratio Lower Upper

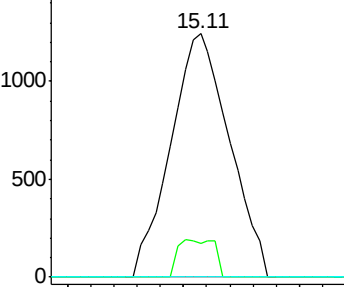
128 100

127 9.6 10.4 15.6#

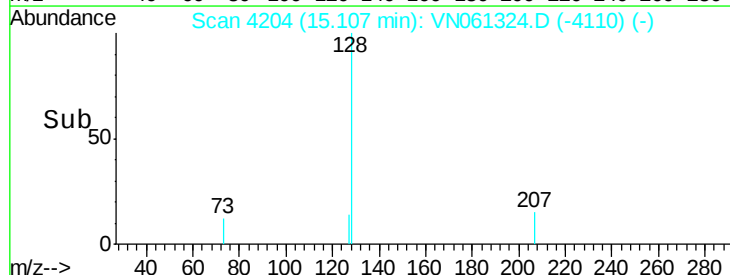
129 0.0 8.7 13.1#

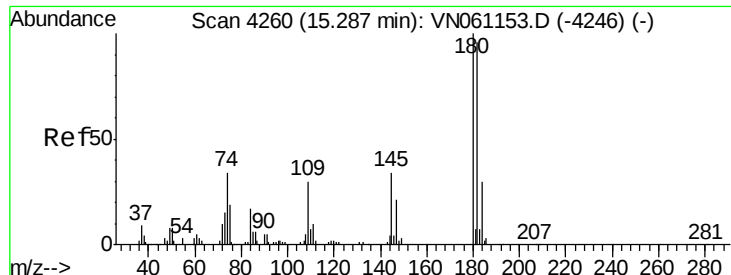


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->

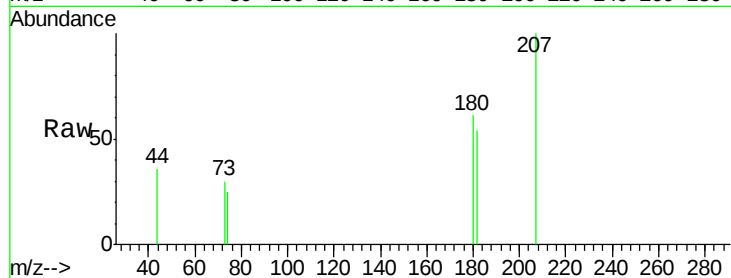




#96
 1,2,3-Trichlorobenzene
 Concen: 0.562 ug/l
 RT: 15.29 min Scan# 4261
 Delta R.T. 0.00 min
 Lab File: VN061324.D
 Acq: 7 May 2020 11:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.1	47.5	142.5
145	0.0	16.9	50.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

