

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022120\
 Data File : VN060180.D
 Acq On : 21 Feb 2020 11:01
 Operator : JC/MD
 Sample : VN0221MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 22:22:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	171820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	269717	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	241743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	95131	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	98362	47.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.10%	
35) Dibromofluoromethane	7.56	113	81095	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
50) Toluene-d8	10.08	98	323582	49.56	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	107017	44.61	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	89.22%	

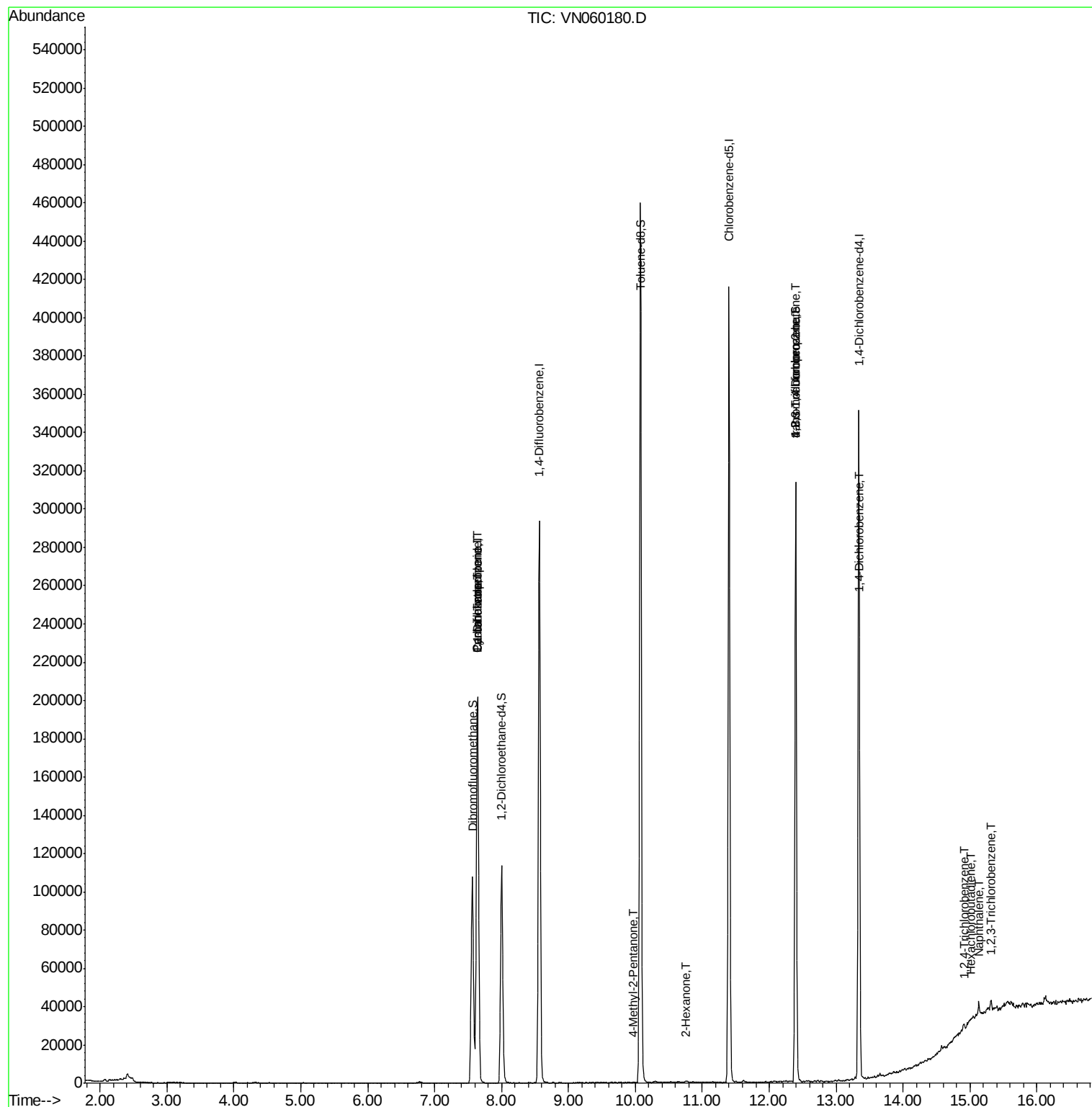
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3451	1.167	ug/l #	13
36) 1,1-Dichloropropene	7.63	75	12323	4.933	ug/l #	48
38) Carbon Tetrachloride	7.64	117	15845	5.840	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	494	0.221	ug/l #	35
59) 2-Hexanone	10.75	43	803	0.465	ug/l #	53
76) 1,2,3-Trichloropropane	12.40	75	55749	30.630	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	55749	74.998	ug/l #	12
88) 1,4-Dichlorobenzene	13.36	146	656	0.210	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.31	75	61	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	1192	0.664	ug/l #	81
94) Hexachlorobutadiene	15.01	225	289	0.275	ug/l #	63
95) Naphthalene	15.13	128	5389	1.112	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.31	180	1900	1.063	ug/l	92

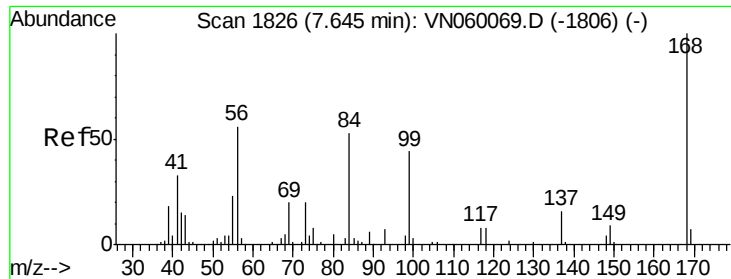
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022120\
Data File : VN060180.D
Acq On : 21 Feb 2020 11:01
Operator : JC/MD
Sample : VN0221MBL01
Misc : 5.00µ/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 21 22:22:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 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: VN060180.D

Acq: 21 Feb 2020 11:01

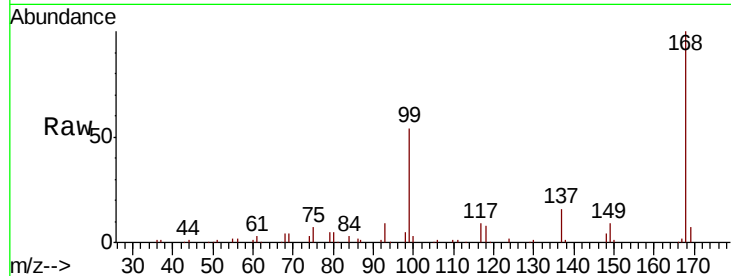
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 171820

Ion Ratio Lower Upper

168 100

99 54.1 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

20000

0

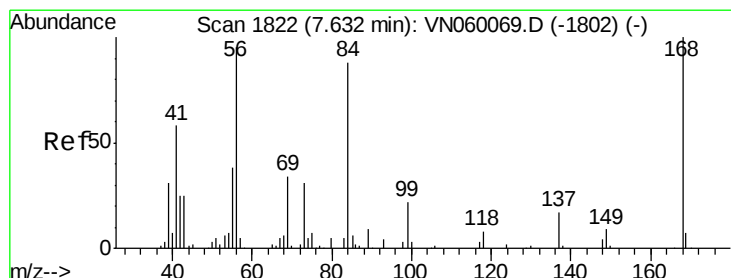
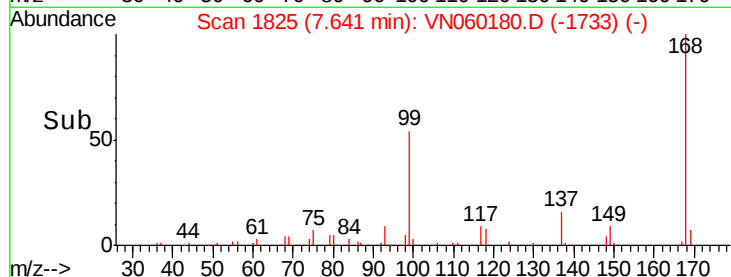
Time-->

7.50

7.60

7.70

7.80



#31

Cyclohexane

Concen: 1.167 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

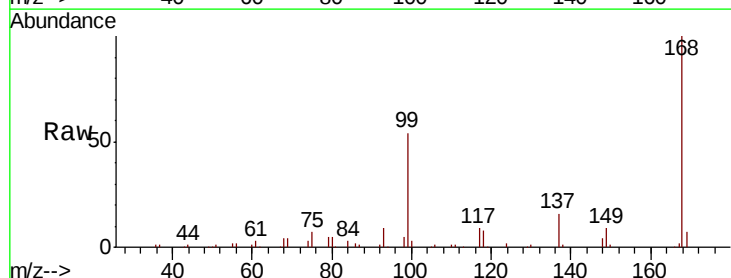
Tgt Ion: 56 Resp: 3451

Ion Ratio Lower Upper

56 100

69 167.9 28.3 42.5#

84 121.8 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

2000

1000

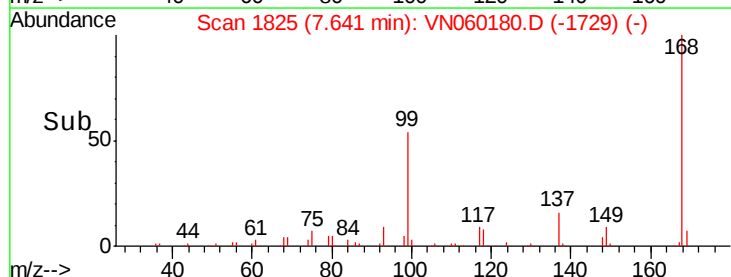
0

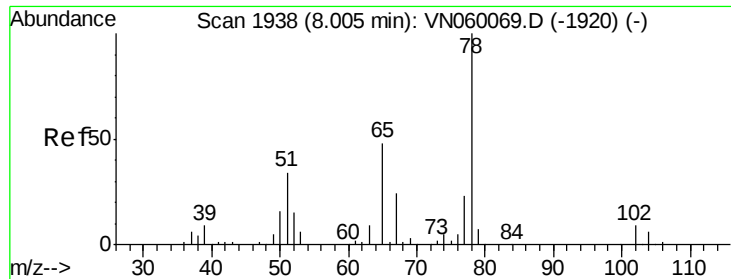
Time-->

7.60

7.65

7.70





#33

1,2-Dichloroethane-d4

Concen: 47.046 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

Instrument :

MSVOA_N

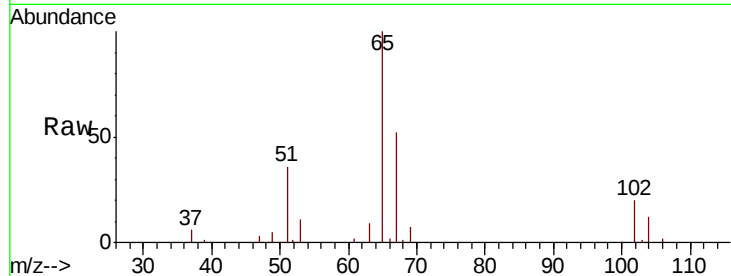
ClientSampleId :

Tot Ion: 65 Resp: 98362

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.0

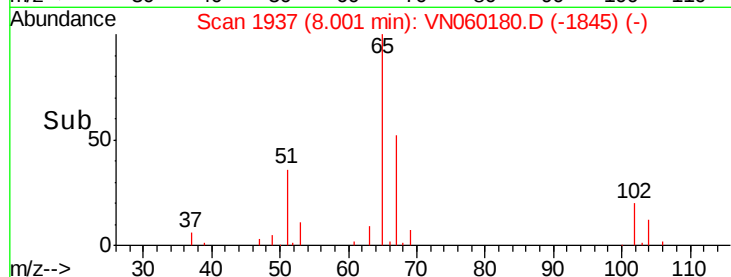


Abundance Ion 64.90 (64.60 to 65.60): VN060069.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060069.D (-1920) (-)

8.00

Time-->



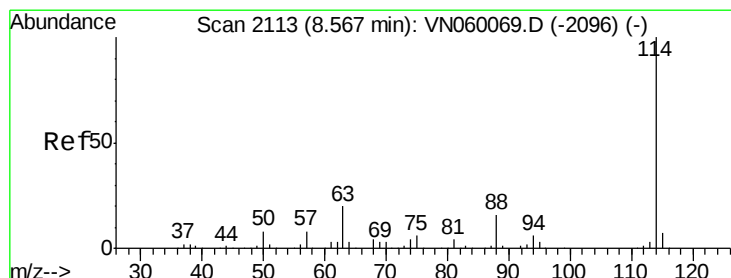
Abundance

Ion 64.90 (64.60 to 65.60): VN060180.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN060180.D (-1845) (-)

8.00

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

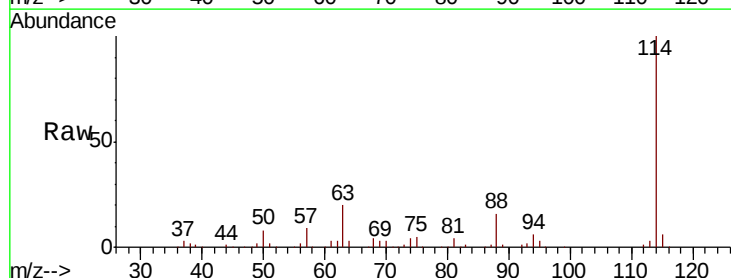
Tgt Ion: 114 Resp: 269717

Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.0

88 15.8 0.0 31.6



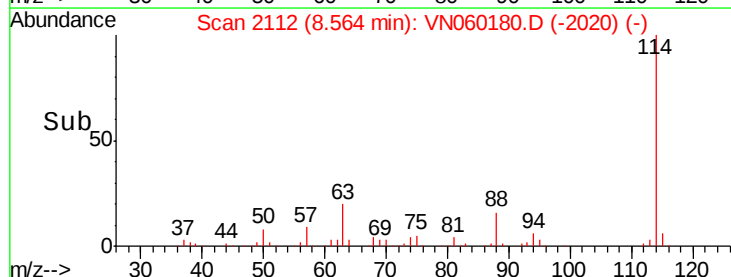
Abundance Ion 113.90 (113.60 to 114.60): VN060069.D (-2096) (-)

Ion 63.00 (62.70 to 63.70): VN060069.D (-2096) (-)

Ion 87.90 (87.60 to 88.60): VN060069.D (-2096) (-)

8.56

Time-->



Abundance

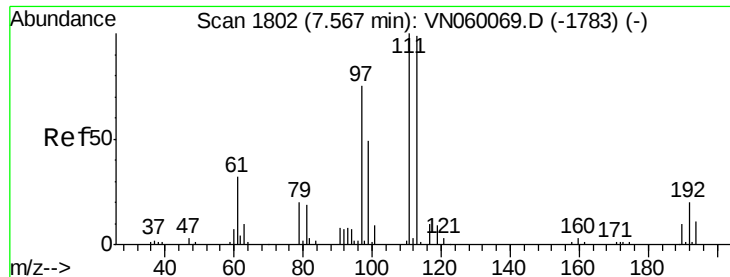
Ion 113.90 (113.60 to 114.60): VN060180.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN060180.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN060180.D (-2020) (-)

8.56

Time-->



#35

Dibromofluoromethane

Concen: 48.913 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :

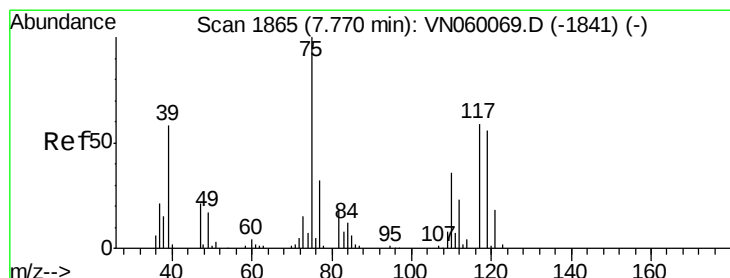
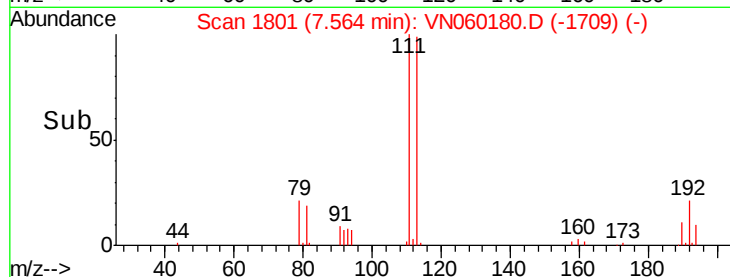
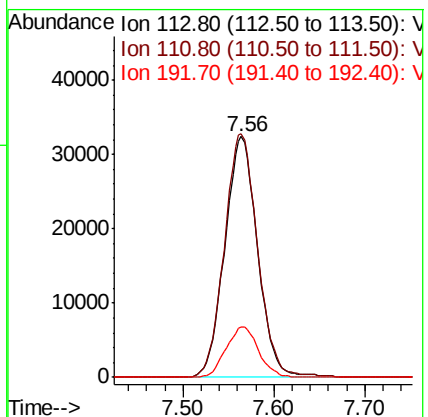
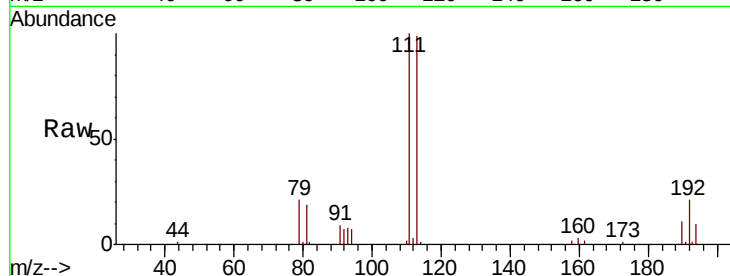
Tot Ion:113 Resp: 81095

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.2

192 20.7 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.933 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.14 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

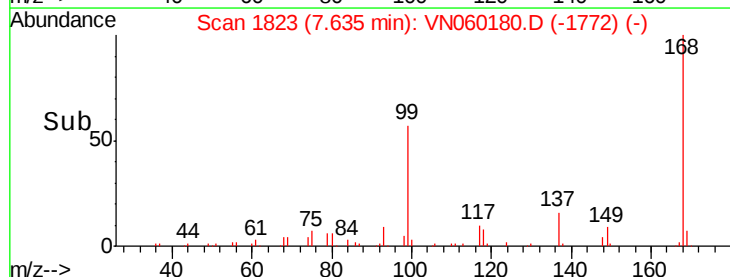
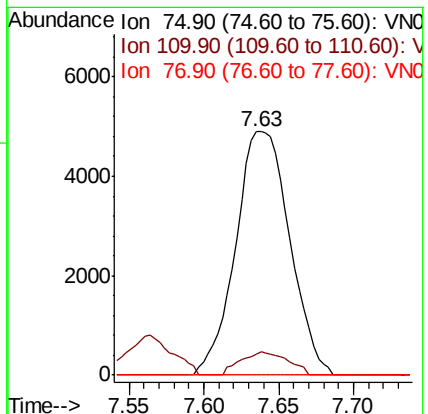
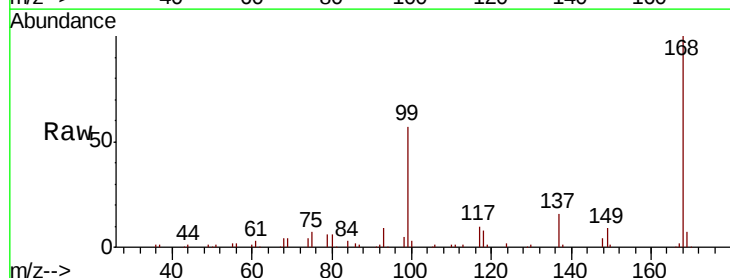
Tgt Ion: 75 Resp: 12323

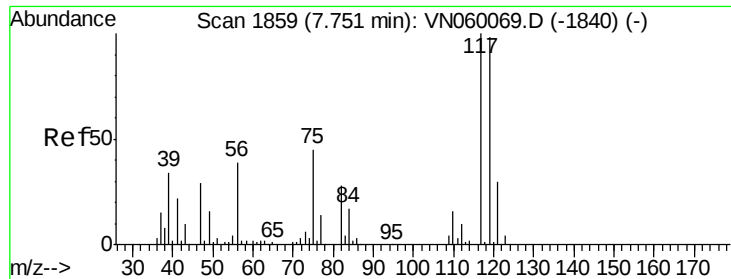
Ion Ratio Lower Upper

75 100

110 8.3 18.1 54.3#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 5.840 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

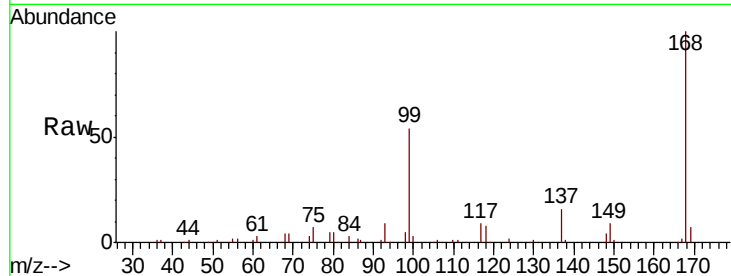
Tot Ion:117 Resp: 15845

Ion Ratio Lower Upper

117 100

119 5.1 78.2 117.4#

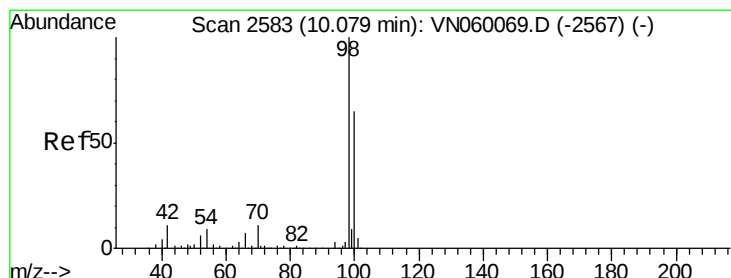
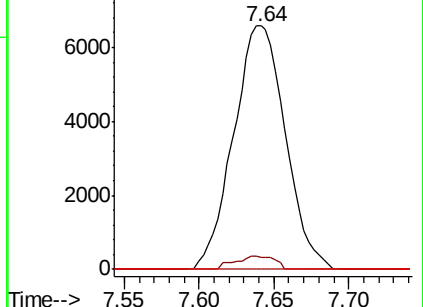
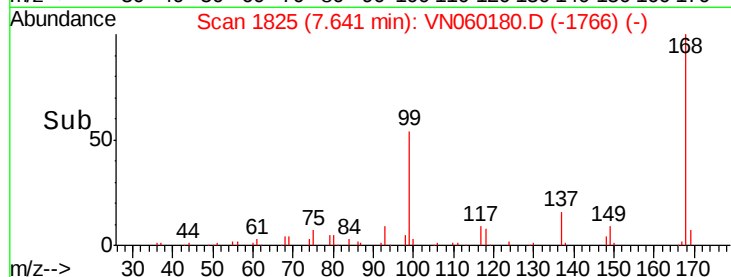
121 0.0 24.2 36.2#



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: 49.561 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060180.D

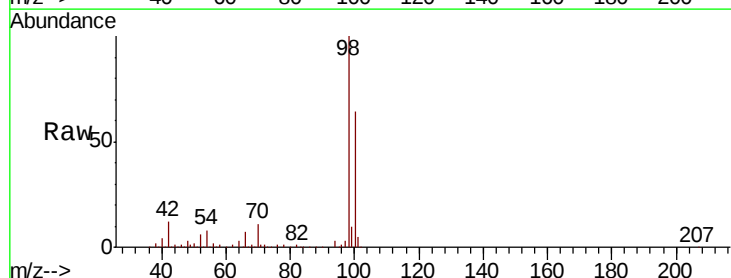
Acq: 21 Feb 2020 11:01

Tgt Ion: 98 Resp: 323582

Ion Ratio Lower Upper

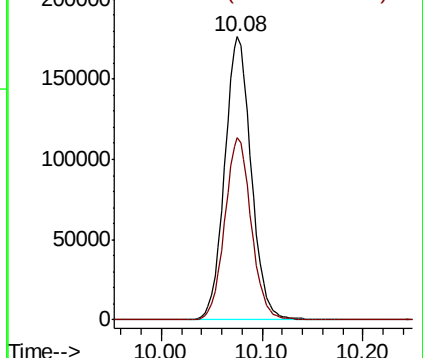
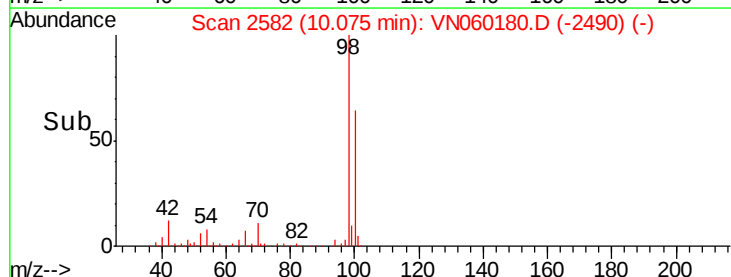
98 100

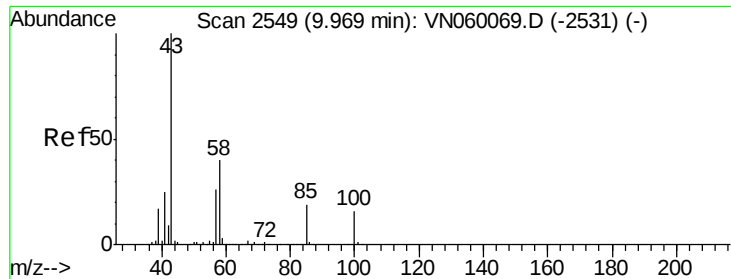
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.221 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

Instrument :

MSVOA_N

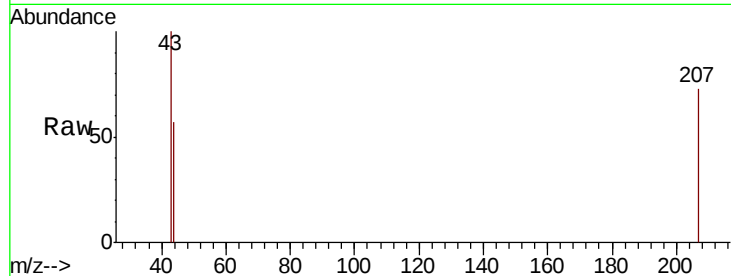
ClientSampleId :

Tot Ion: 43 Resp: 494

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

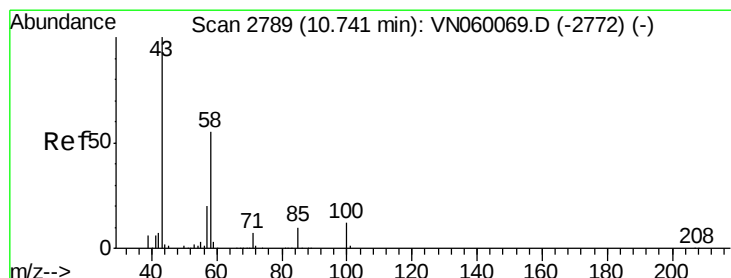
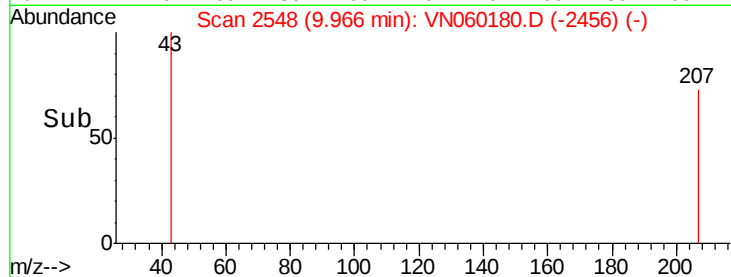
300

200

100

0

Time-->



#59

2-Hexanone

Concen: 0.465 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060180.D

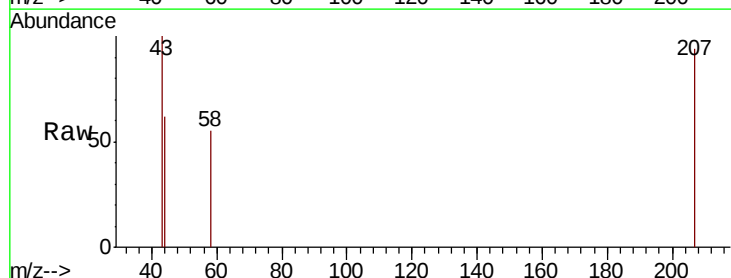
Acq: 21 Feb 2020 11:01

Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

58 21.2 27.5 82.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.75

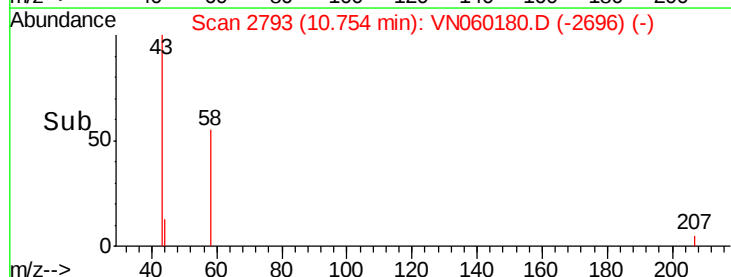
300

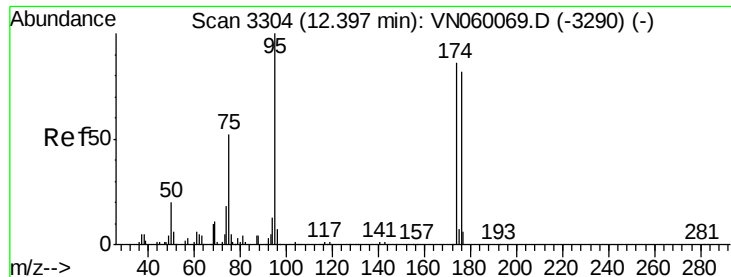
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 44.608 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

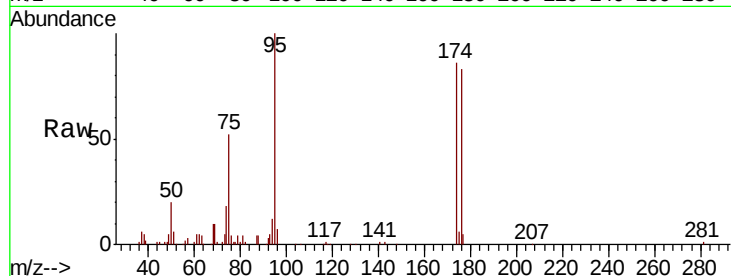
Tot Ion: 95 Resp: 107017

Ion Ratio Lower Upper

95 100

174 84.7 0.0 169.8

176 82.3 0.0 164.8

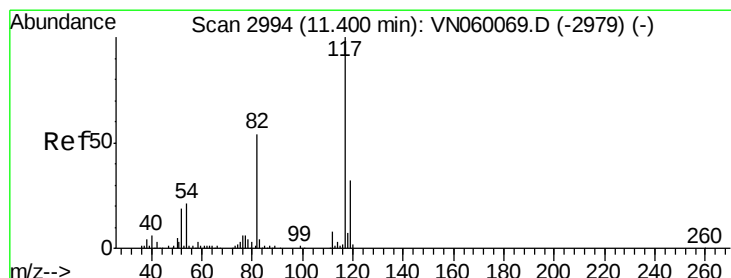
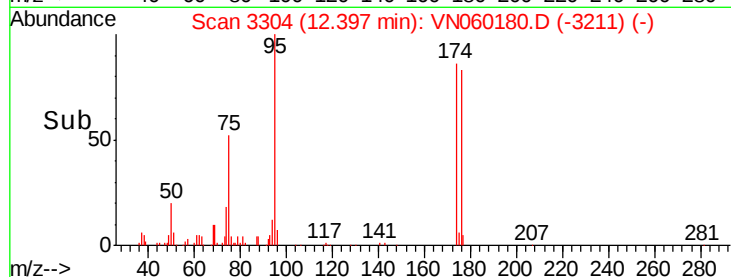


Abundance Ion 94.90 (94.60 to 95.60): VN060180.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060180.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060180.D (-3290) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

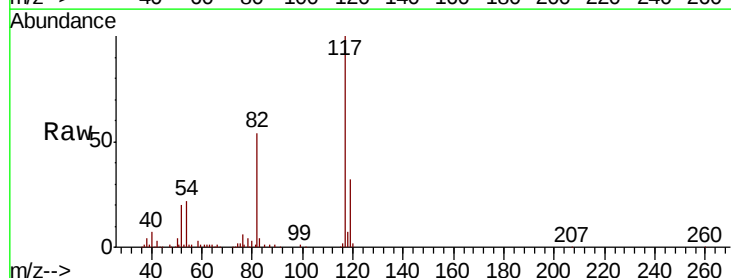
Tgt Ion: 117 Resp: 241743

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

119 32.4 25.8 38.6

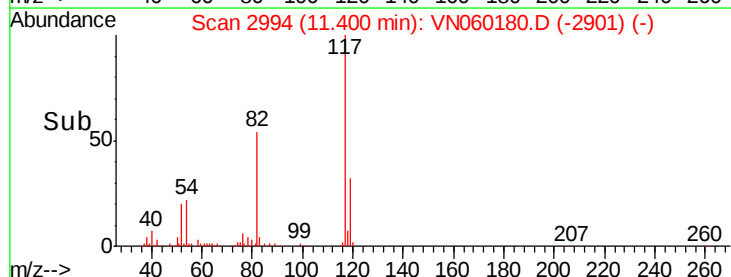


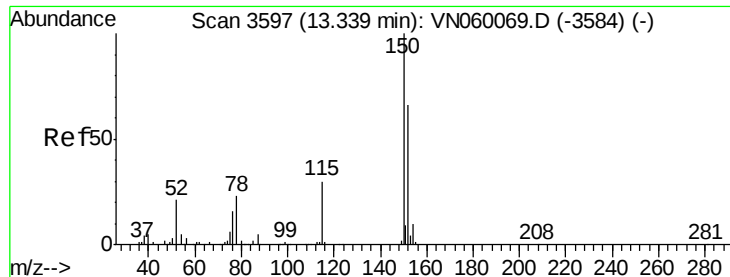
Abundance Ion 116.90 (116.60 to 117.60): VN060180.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060180.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060180.D (-2979) (-)

Time-->



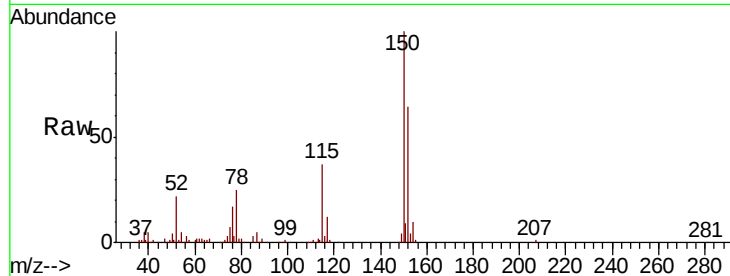


#72

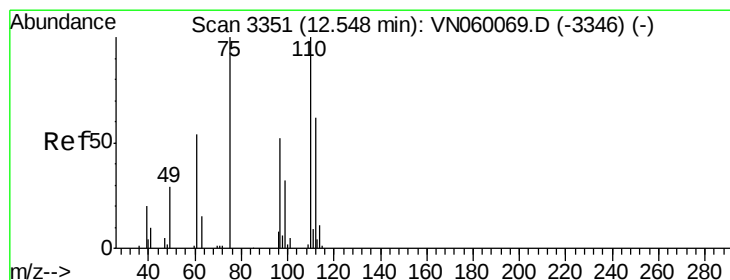
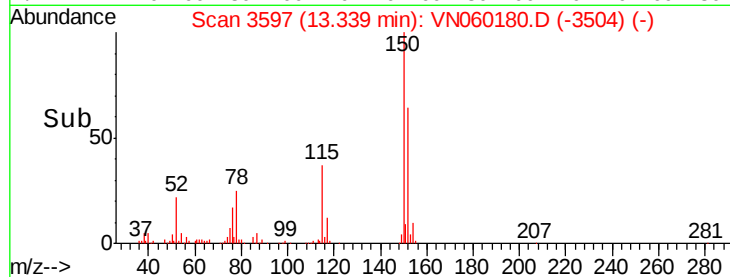
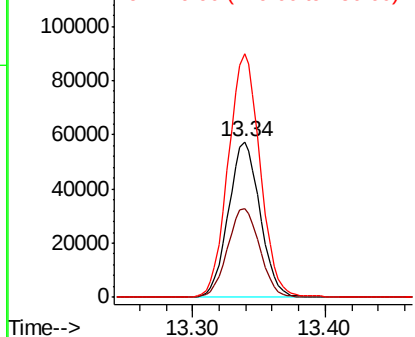
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060180.D
Acq: 21 Feb 2020 11:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.2	28.9	86.8
150	157.8	0.0	342.4



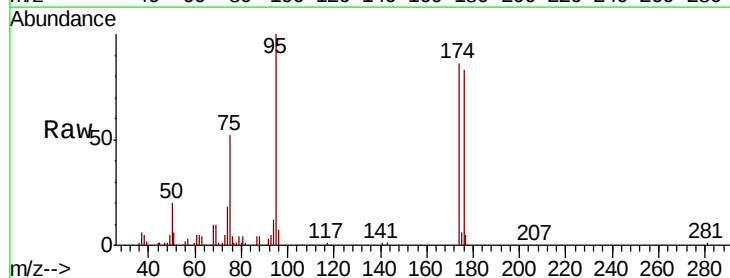
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



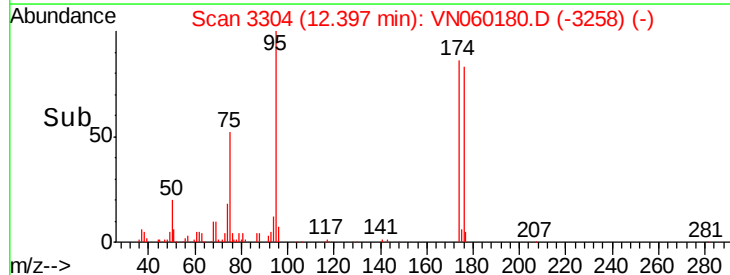
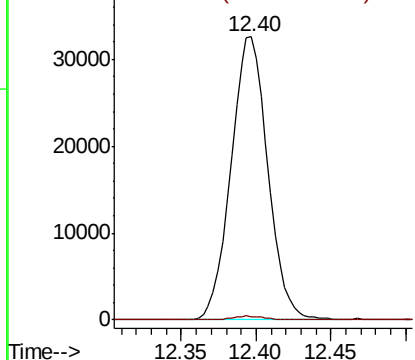
#76

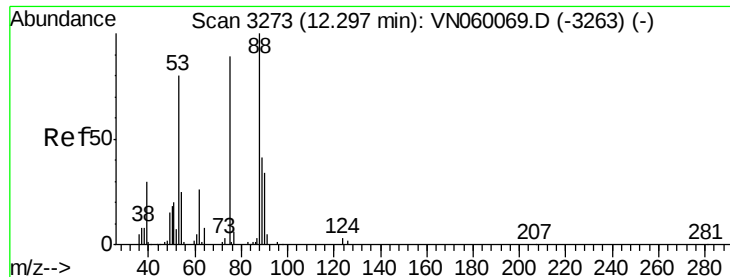
1,2,3-Trichloropropane
Concen: 30.630 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060180.D
Acq: 21 Feb 2020 11:01

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

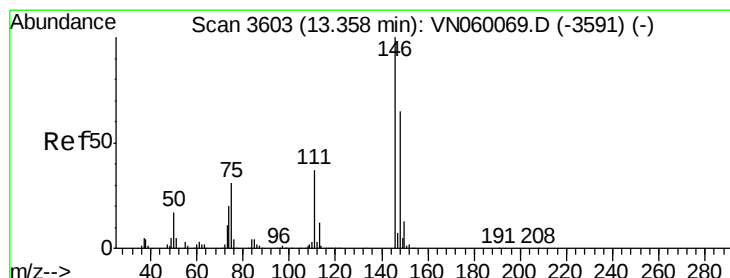
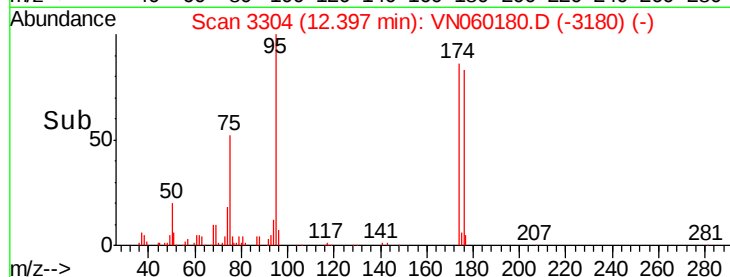
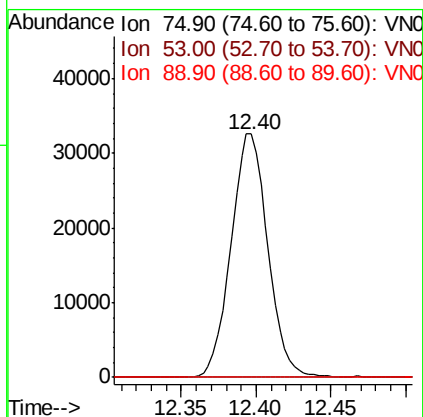
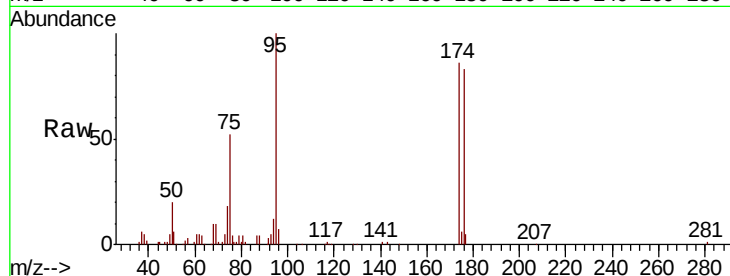




#81
trans-1,4-Dichloro-2-butene
Concen: 74.998 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060180.D
Acq: 21 Feb 2020 11:01

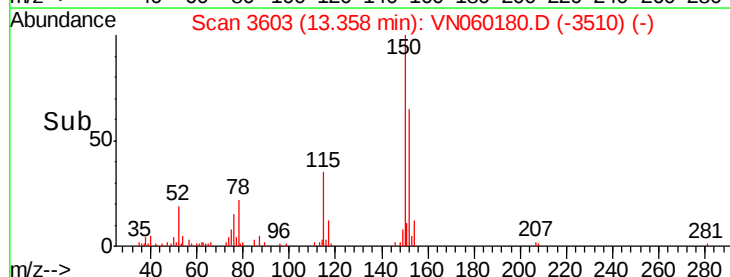
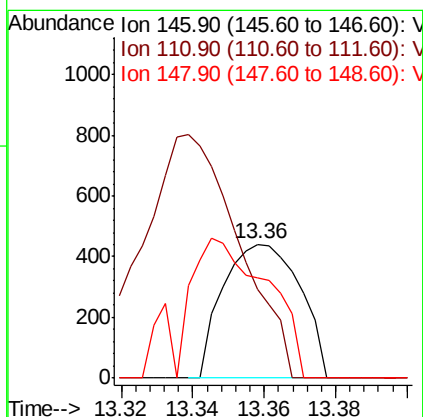
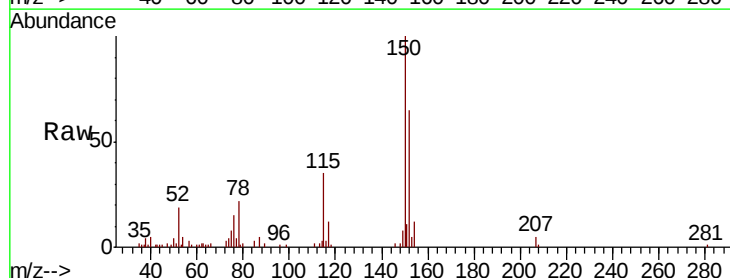
Instrument :
MSVOA_N
ClientSampled :

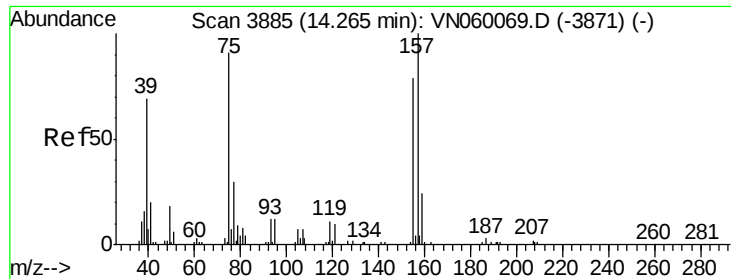
Tot Ion: 75 Resp: 55749
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#88
1,4-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.36 min Scan# 3603
Delta R.T. -0.00 min
Lab File: VN060180.D
Acq: 21 Feb 2020 11:01

Tgt Ion: 146 Resp: 656
Ion Ratio Lower Upper
146 100
111 221.3 18.9 56.5#
148 101.8 32.0 96.0#

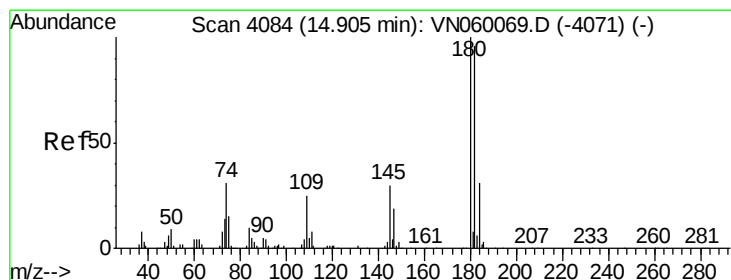
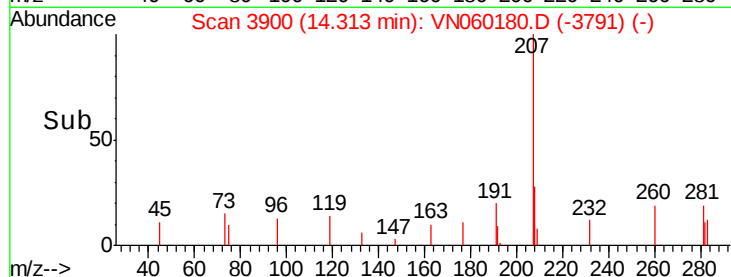
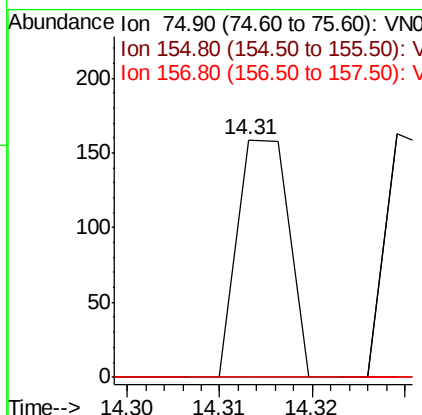
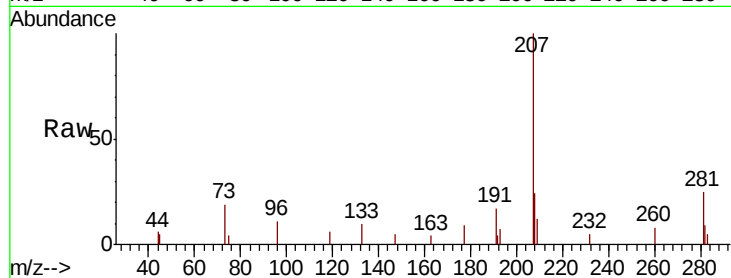




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.31 min Scan# 3900
 Delta R.T. 0.05 min
 Lab File: VN060180.D
 Acq: 21 Feb 2020 11:01

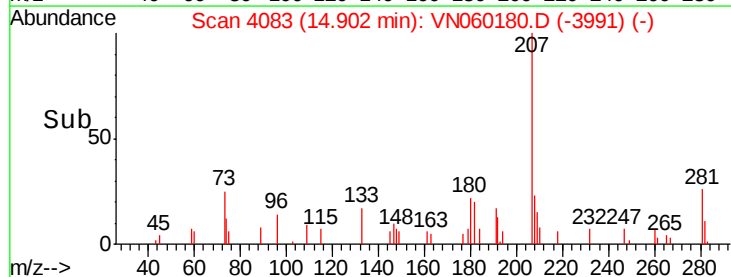
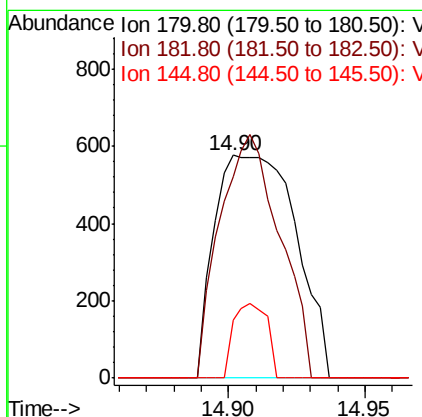
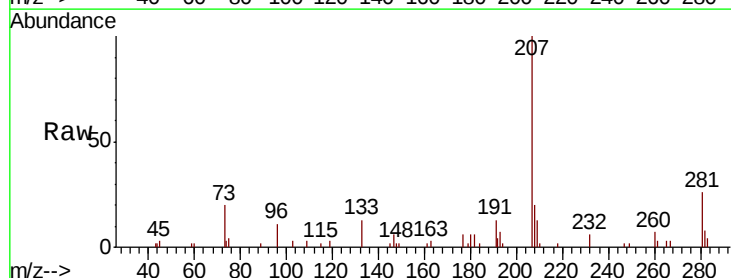
Instrument :
 MSVOA_N
 ClientSampleId :

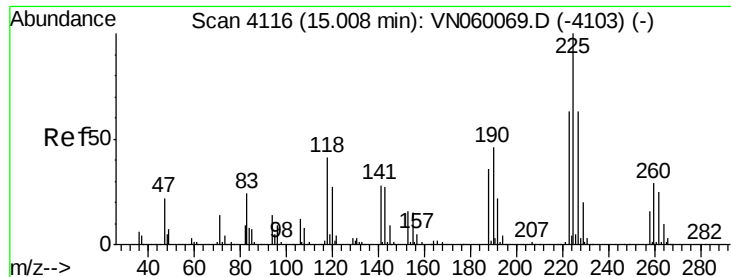
Tot Ion: 75 Resp: 61
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.0 129.0#
 157 0.0 54.9 164.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.664 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN060180.D
 Acq: 21 Feb 2020 11:01

Tgt Ion: 180 Resp: 1192
 Ion Ratio Lower Upper
 180 100
 182 80.9 47.9 143.8
 145 13.9 15.2 45.5#





#94

Hexachlorobutadiene

Concen: 0.275 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN060180.D

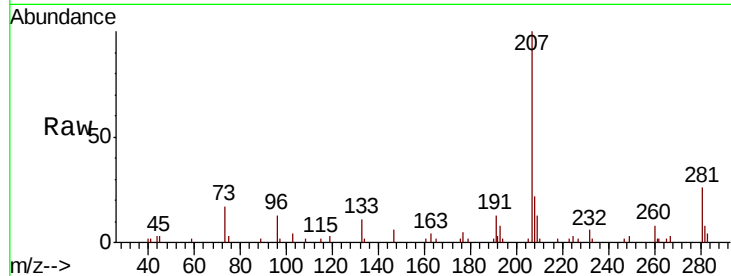
Acq: 21 Feb 2020 11:01

Instrument :

MSVOA_N

ClientSampleId :

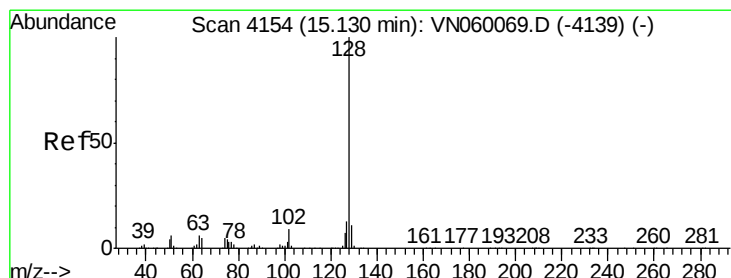
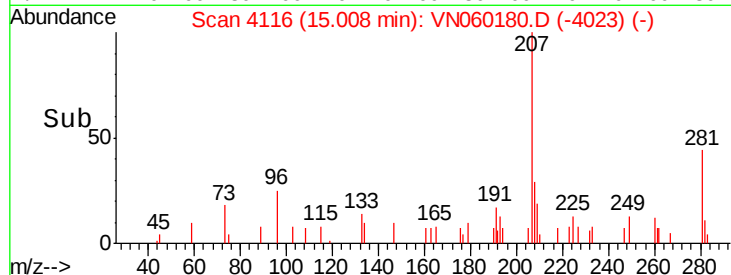
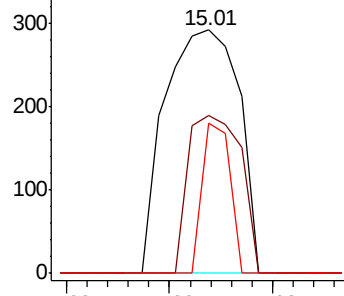
Tot Ion:	225	Resp:	289
Ion	Ratio	Lower	Upper
225	100		
223	46.4	31.5	94.5
227	23.2	31.8	95.4



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



#95

Naphthalene

Concen: 1.112 ug/l

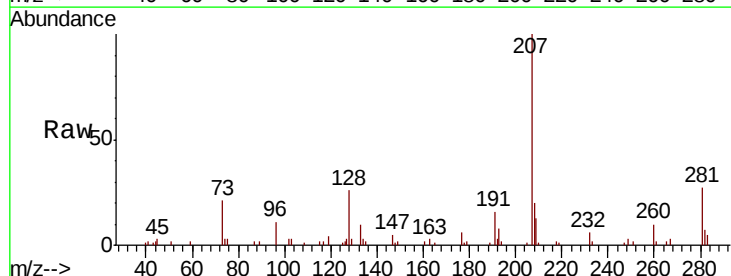
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN060180.D

Acq: 21 Feb 2020 11:01

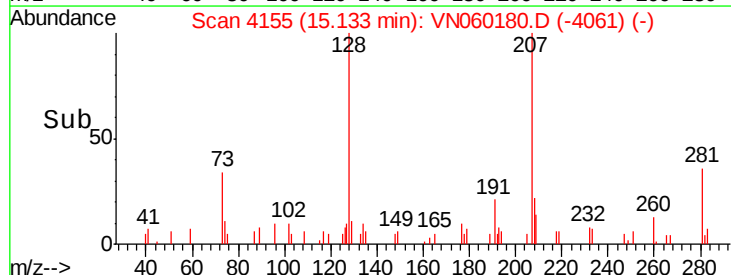
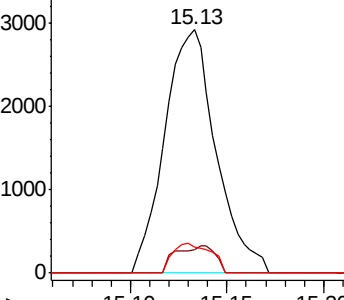
Tgt Ion:	128	Resp:	5389
Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.3	15.5
129	9.0	8.6	13.0

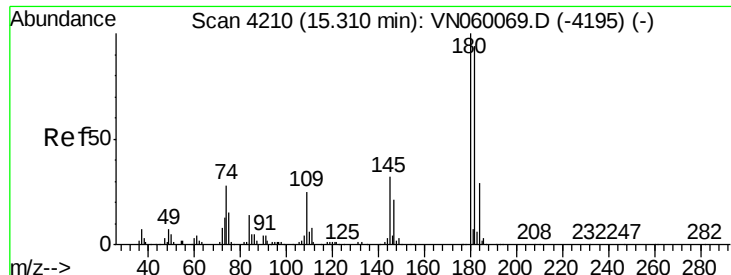


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

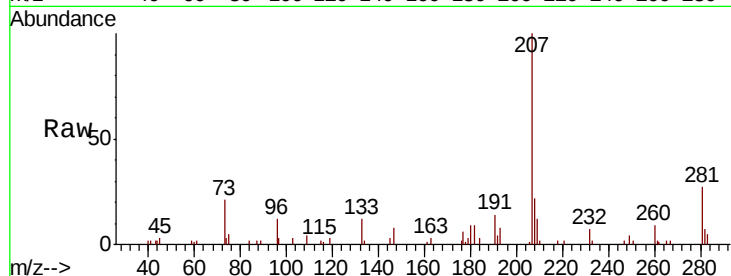




#96
 1,2,3-Trichlorobenzene
 Concen: 1.063 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060180.D
 Acq: 21 Feb 2020 11:01

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.5	142.5
145	17.3	16.1	48.3



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

