

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022520\
 Data File : VN060221.D
 Acq On : 25 Feb 2020 9:56
 Operator : JC/MD
 Sample : VN0225WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

Quant Time: Feb 25 15:44:37 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	171785	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	268652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	246322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	101271	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	101168	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	7.57	113	81508	49.36	ug/l	0.00
Spiked Amount			Recovery	=	98.72%	
50) Toluene-d8	10.08	98	322295	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.40	95	110499	46.24	ug/l	0.00
Spiked Amount			Recovery	=	92.48%	

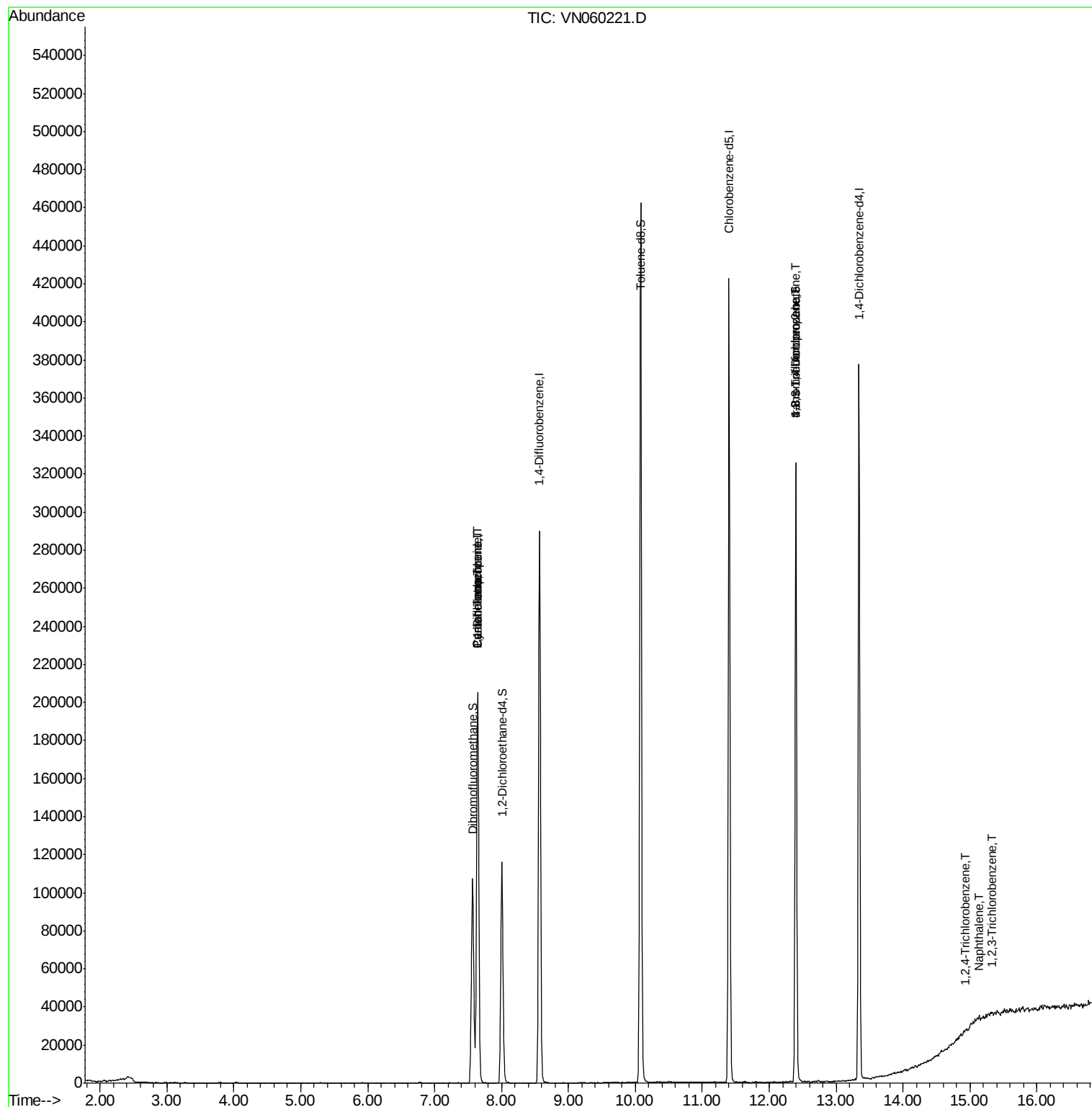
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.64	56	3390	1.15	ug/l #	14
36) 1,1-Dichloropropene	7.64	75	12571	5.05	ug/l #	49
38) Carbon Tetrachloride	7.64	117	16017	5.93	ug/l #	15
76) 1,2,3-Trichloropropane	12.40	75	56404	29.11	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	56404	71.28	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.30	75	29	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	478	0.25	ug/l #	56
95) Naphthalene	15.14	128	2024	0.39	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.32	180	757	0.40	ug/l	72

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

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Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

Quant Time: Feb 25 15:44:37 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: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

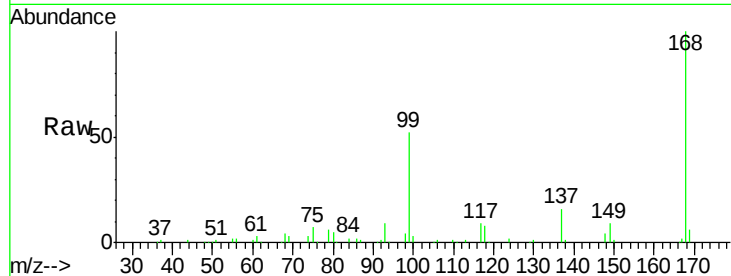
VN0225WBL01

Tgt Ion:168 Resp: 171785

Ion Ratio Lower Upper

168 100

99 51.9 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

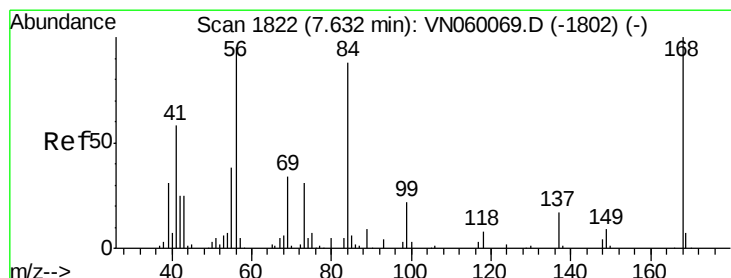
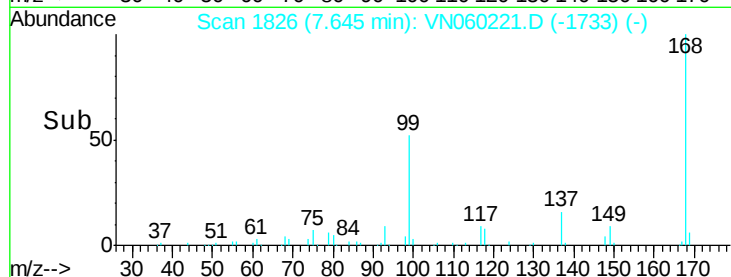
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#31

Cyclohexane

Concen: 1.15 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

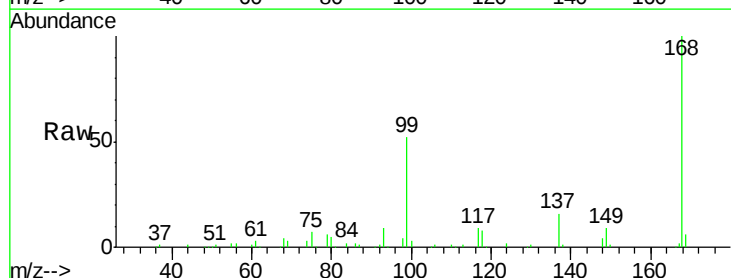
Tgt Ion: 56 Resp: 3390

Ion Ratio Lower Upper

56 100

69 165.1 28.3 42.5#

84 121.6 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

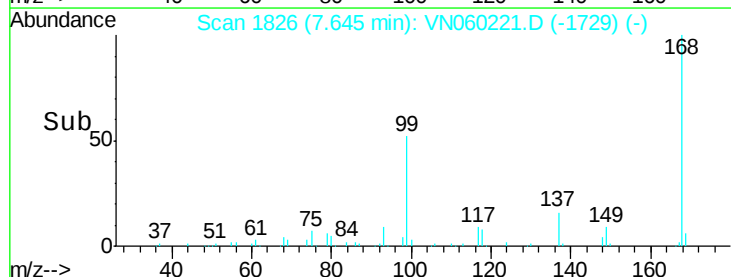
2000

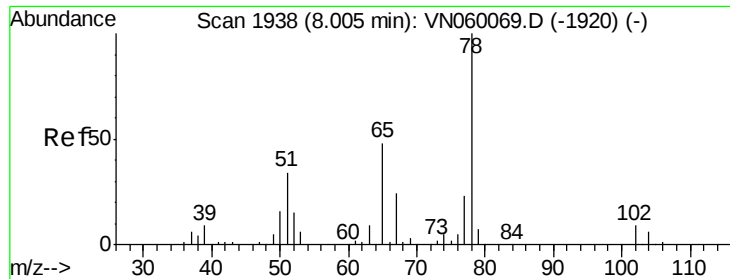
1000

0

7.60 7.65 7.70

Time-->

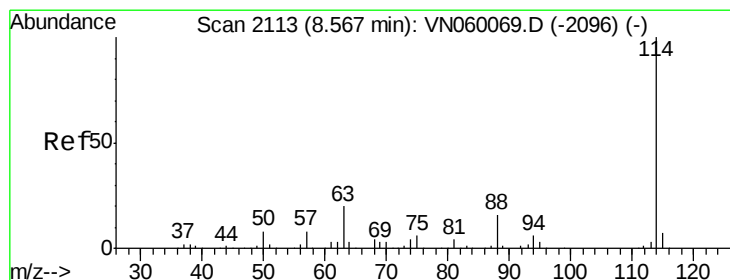
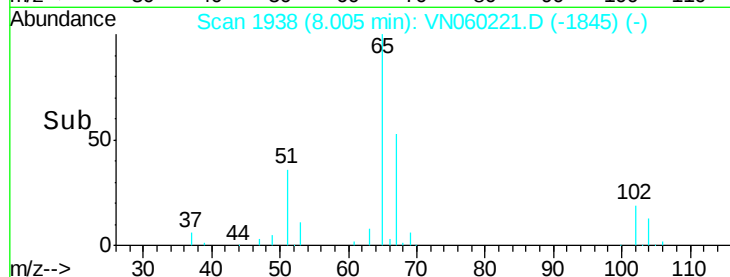
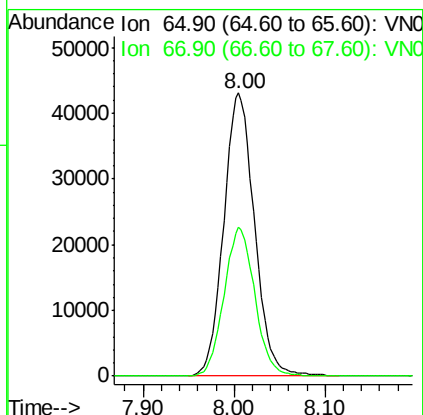
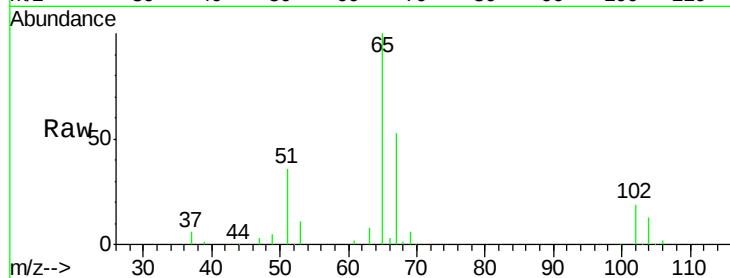




#33
 1,2-Dichloroethane-d4
 Concen: 48.40 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060221.D
 Acq: 25 Feb 2020 9:56

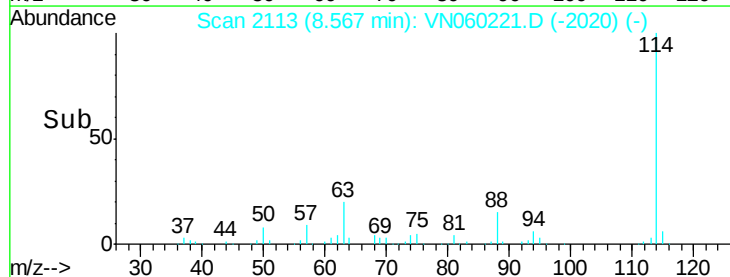
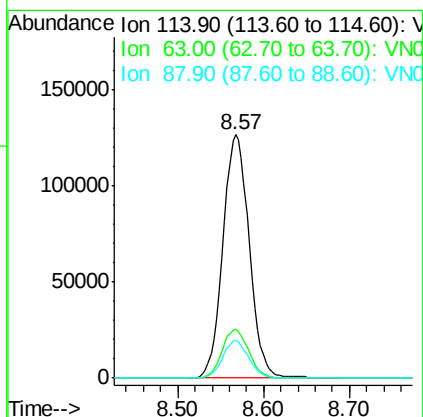
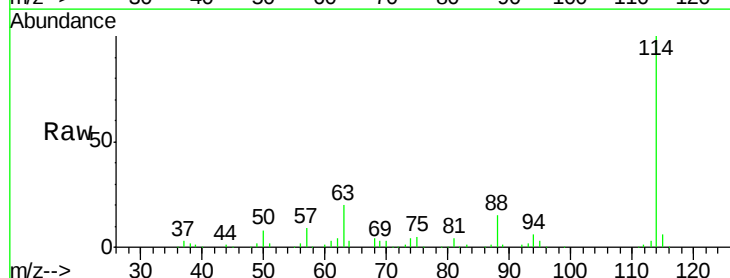
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

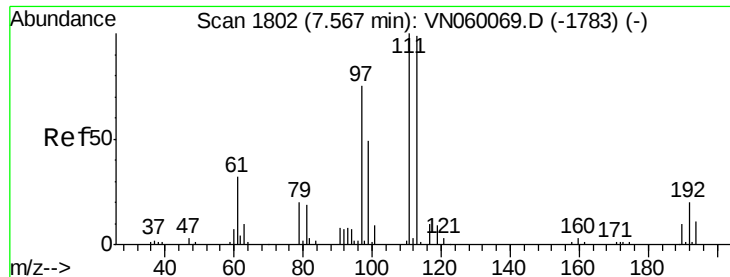
Tgt Ion: 65 Resp: 101168
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060221.D
 Acq: 25 Feb 2020 9:56

Tgt Ion: 114 Resp: 268652
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.4 0.0 31.6





#35

Dibromofluoromethane

Concen: 49.36 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

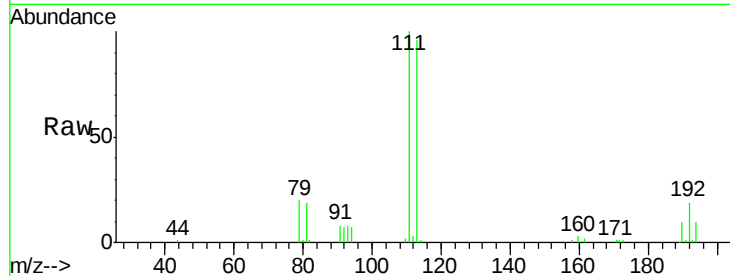
Tgt Ion:113 Resp: 81508

Ion Ratio Lower Upper

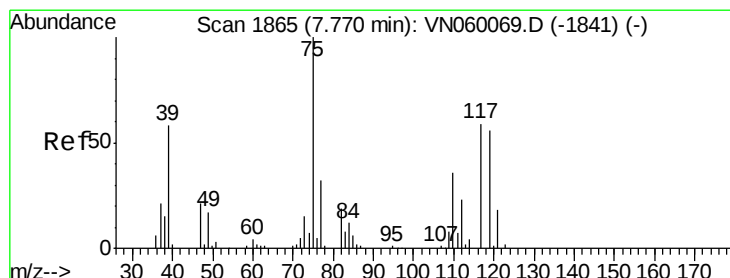
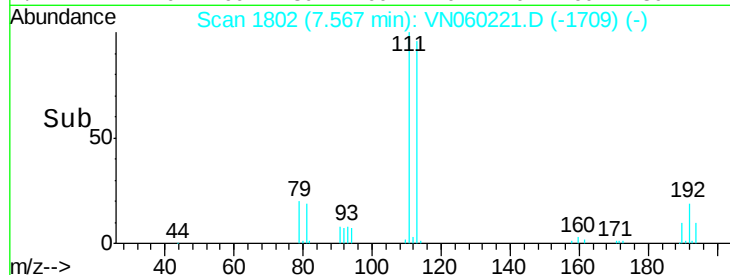
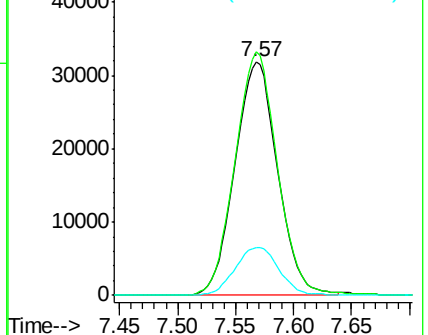
113 100

111 103.4 81.4 122.2

192 21.0 16.2 24.2



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: 5.05 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

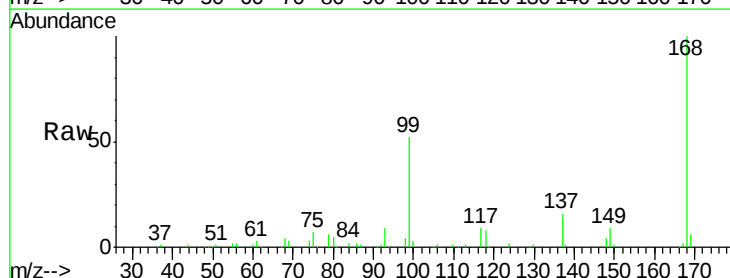
Tgt Ion: 75 Resp: 12571

Ion Ratio Lower Upper

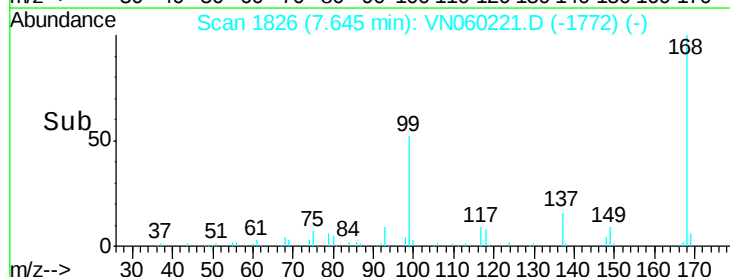
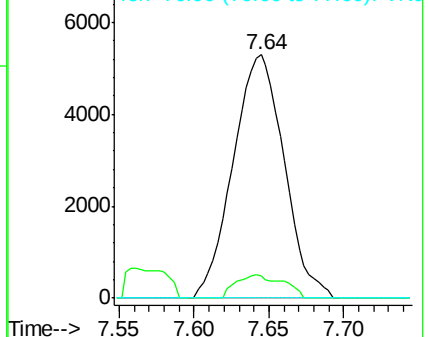
75 100

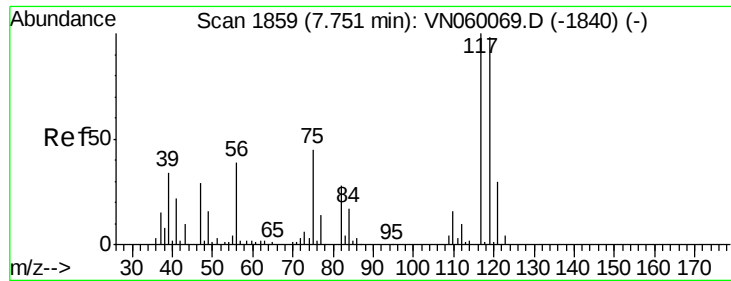
110 8.9 18.1 54.3#

77 0.0 25.1 37.7#



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

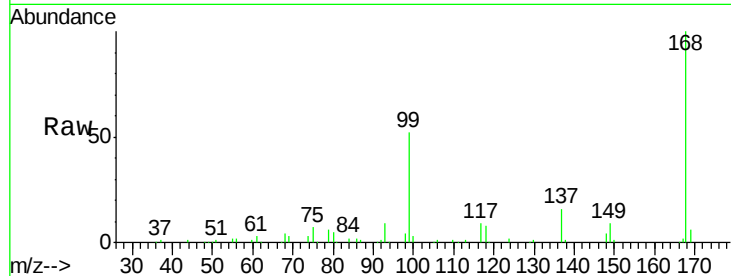




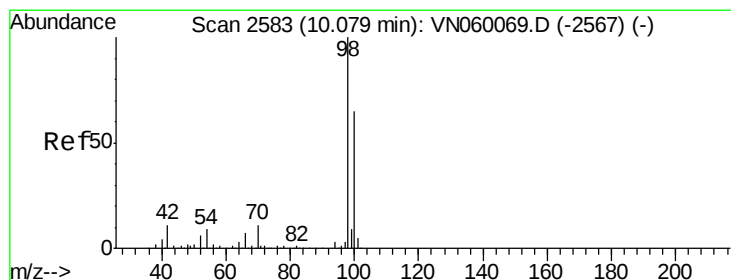
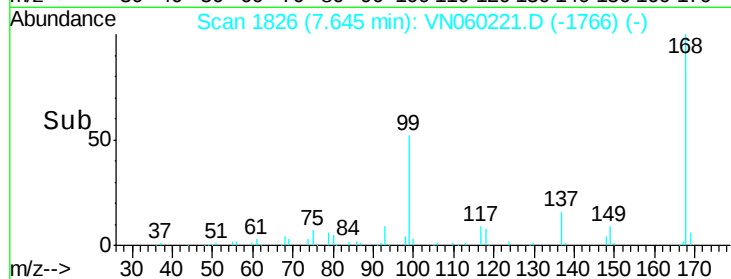
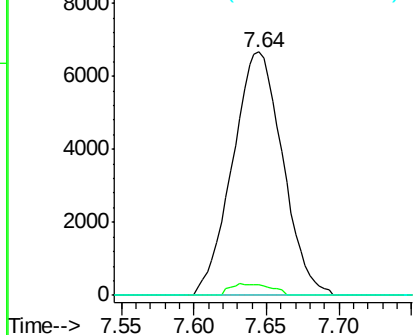
#38
Carbon Tetrachloride
Concen: 5.93 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060221.D
Acq: 25 Feb 2020 9:56

Instrument :
MSVOA_N
ClientSampleId :
VN0225WBL01

Tgt Ion:117 Resp: 16017
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.4#
121 0.0 24.2 36.2#

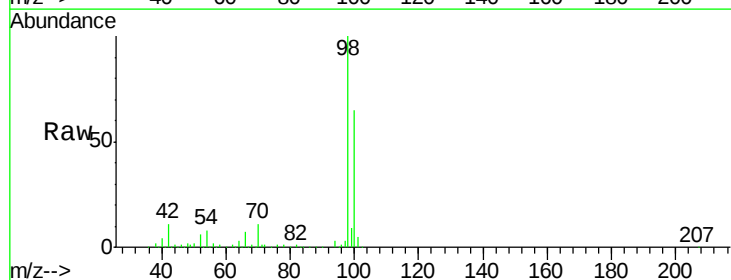


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

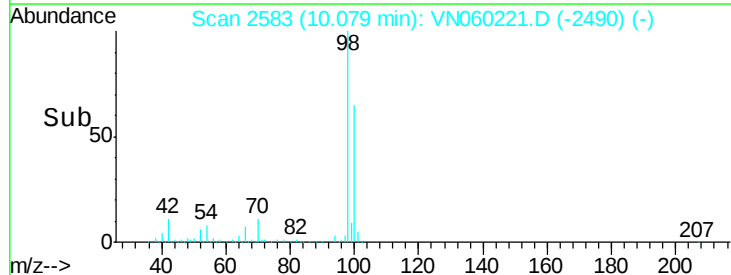
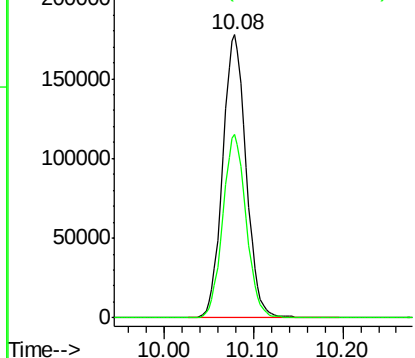


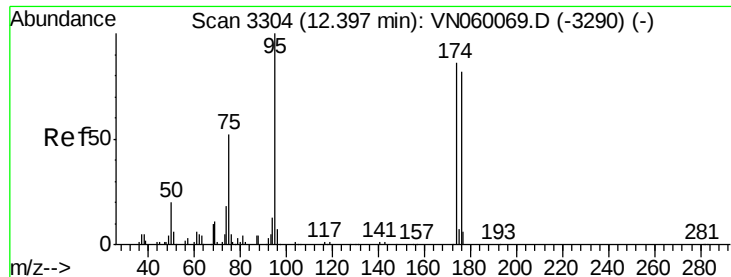
#50
Toluene-d8
Concen: 49.56 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060221.D
Acq: 25 Feb 2020 9:56

Tgt Ion: 98 Resp: 322295
Ion Ratio Lower Upper
98 100
100 64.8 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 46.24 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

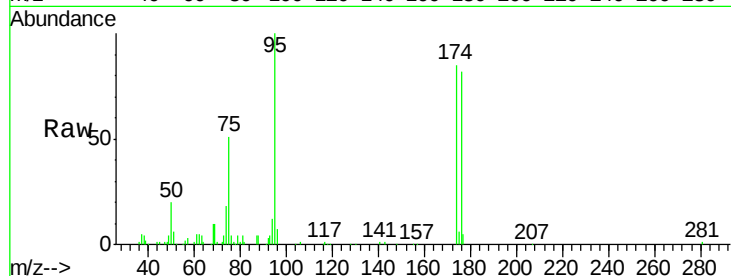
Tgt Ion: 95 Resp: 110499

Ion Ratio Lower Upper

95 100

174 86.8 0.0 169.8

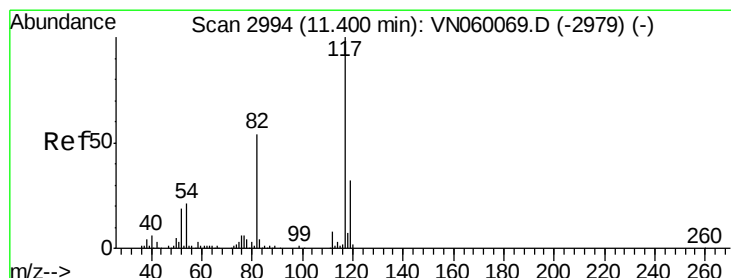
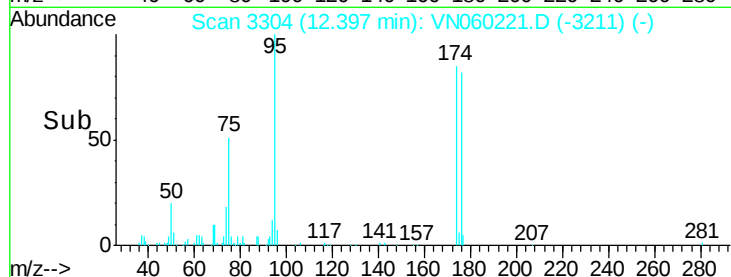
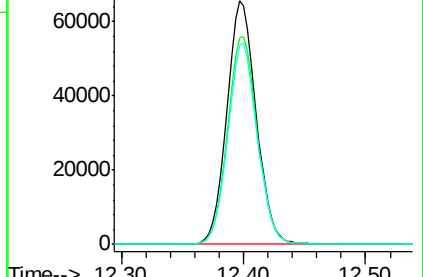
176 83.1 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060069.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060069.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

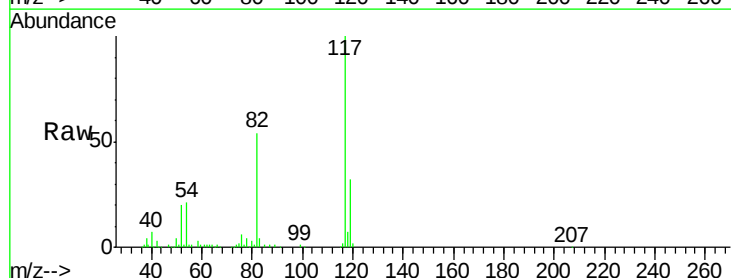
Tgt Ion: 117 Resp: 246322

Ion Ratio Lower Upper

117 100

82 54.0 43.4 65.0

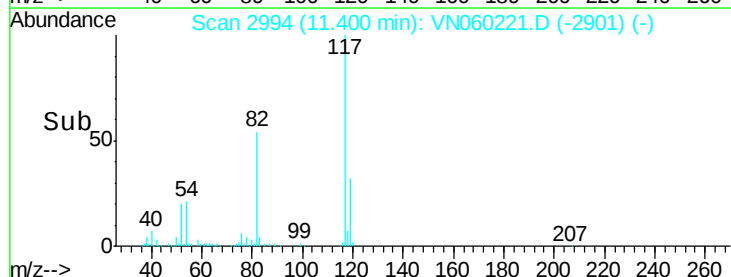
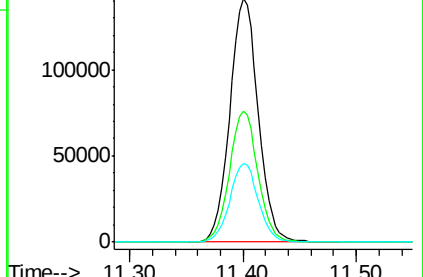
119 32.4 25.8 38.6

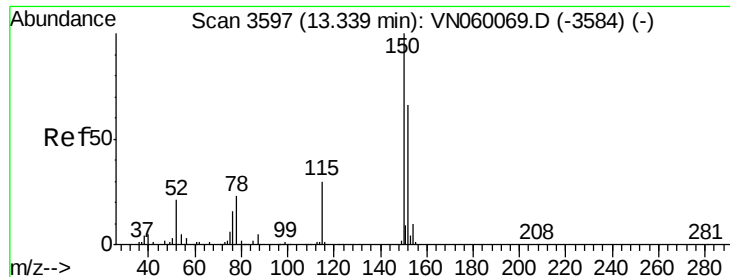


Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060069.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060069.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

Instrument :

MSVOA_N

ClientSampleId :

VN0225WBL01

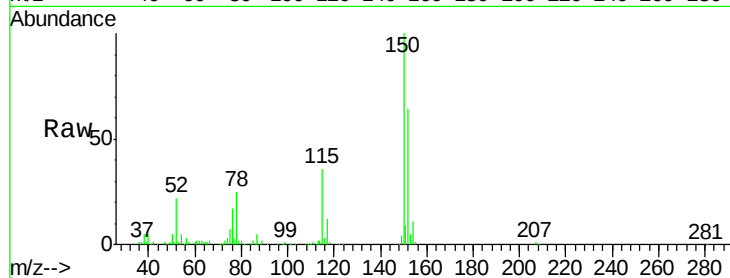
Tgt Ion:152 Resp: 101271

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.8

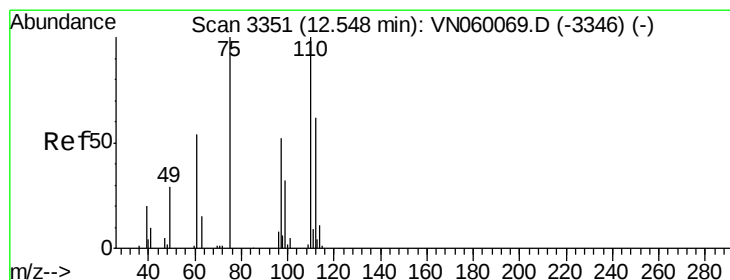
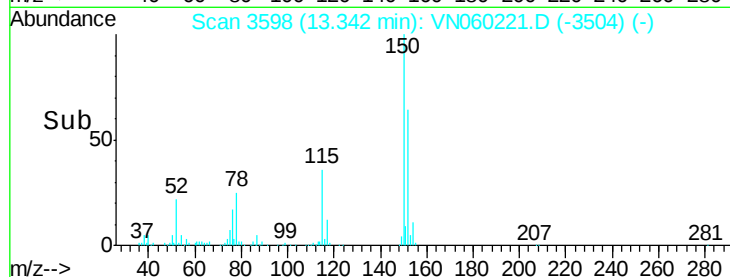
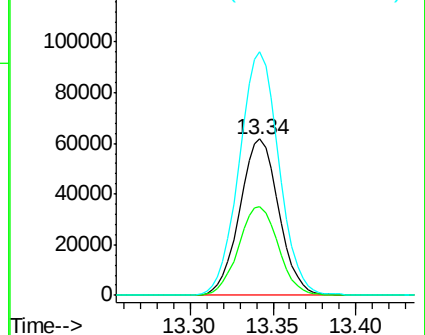
150 158.7 0.0 342.4



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: 29.11 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060221.D

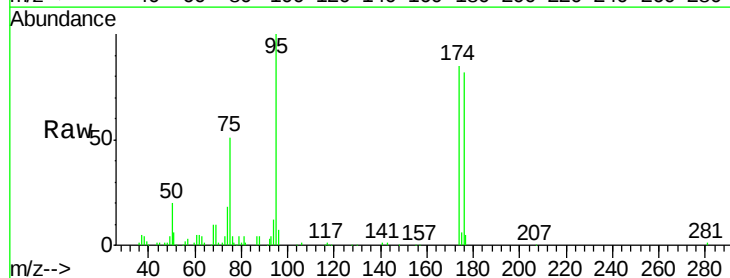
Acq: 25 Feb 2020 9:56

Tgt Ion: 75 Resp: 56404

Ion Ratio Lower Upper

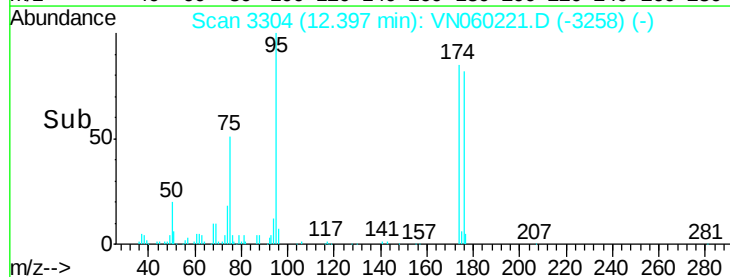
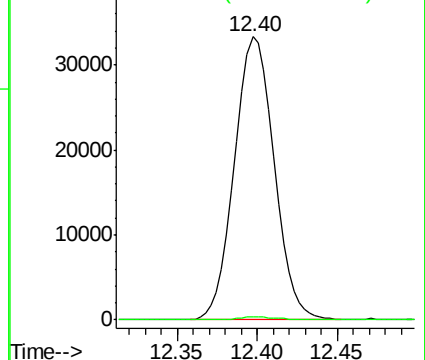
75 100

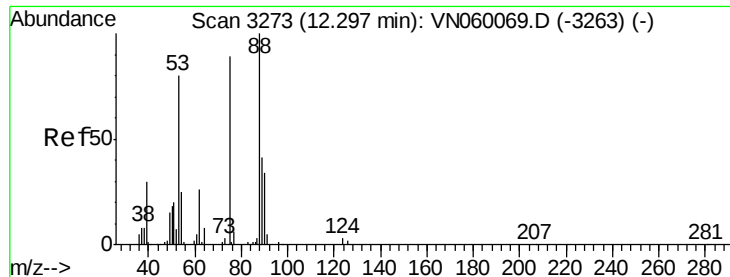
77 0.9 0.0 0.0#



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: 71.28 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

Instrument :

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VN0225WBL01

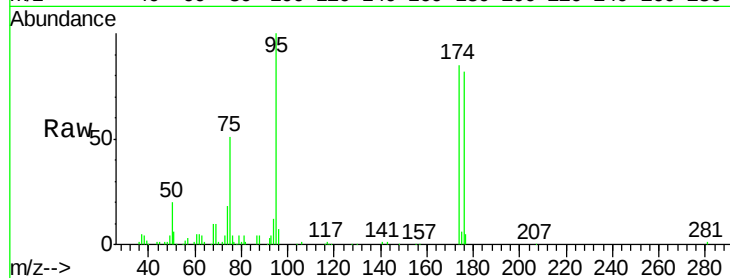
Tgt Ion: 75 Resp: 56404

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

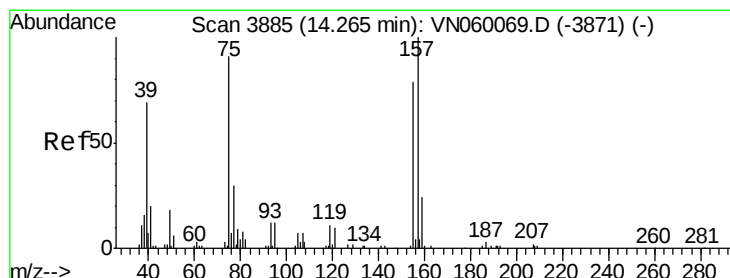
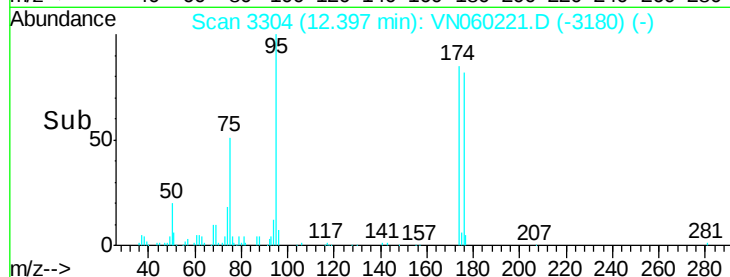
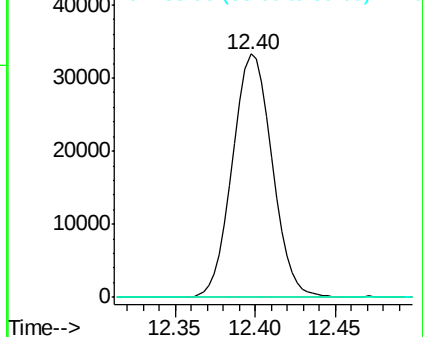
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.30 min Scan# 3896

Delta R.T. 0.04 min

Lab File: VN060221.D

Acq: 25 Feb 2020 9:56

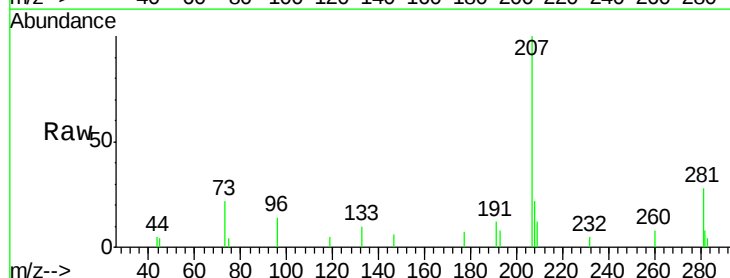
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

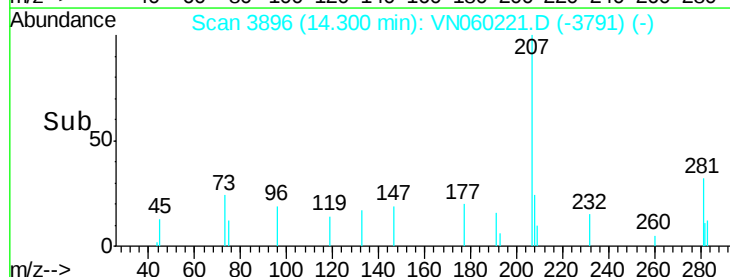
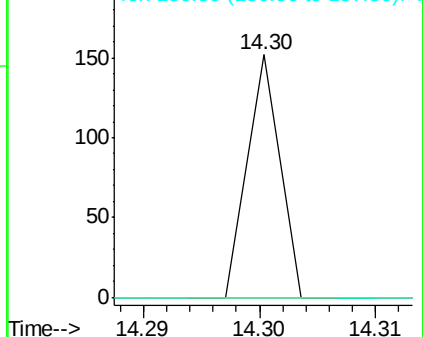
157 0.0 54.9 164.5#

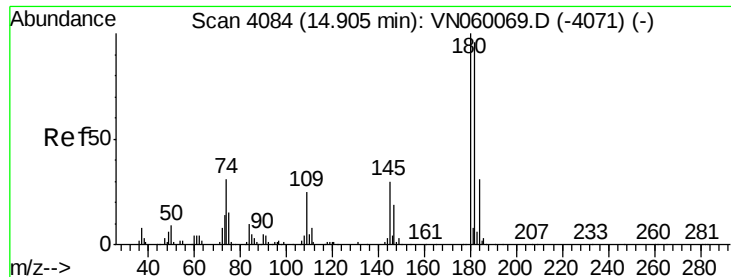


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

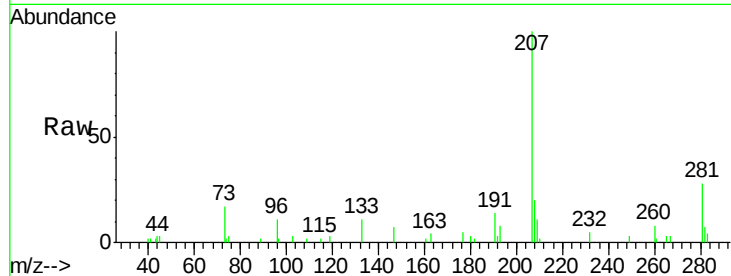




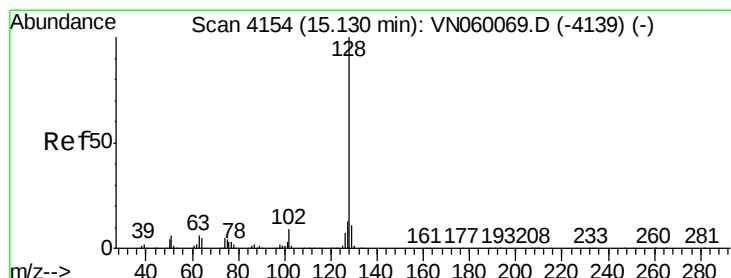
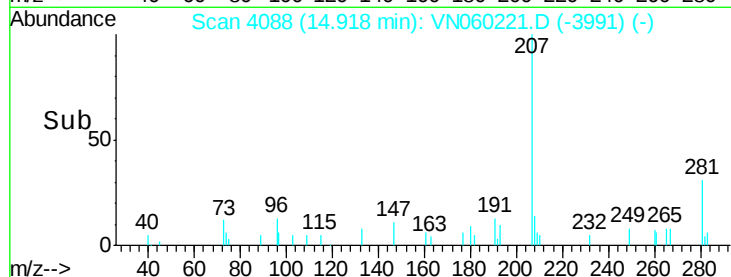
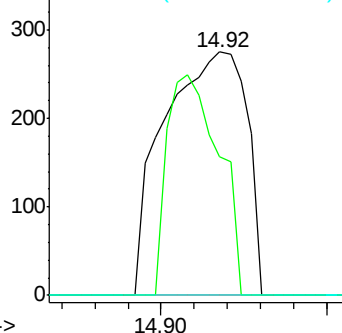
#93
 1,2,4-Trichlorobenzene
 Concen: 0.25 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN060221.D
 Acq: 25 Feb 2020 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

Tgt Ion:180 Resp: 478
 Ion Ratio Lower Upper
 180 100
 182 56.3 47.9 143.8
 145 0.0 15.2 45.5#

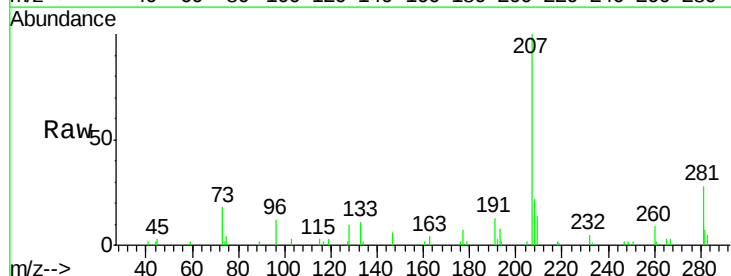


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

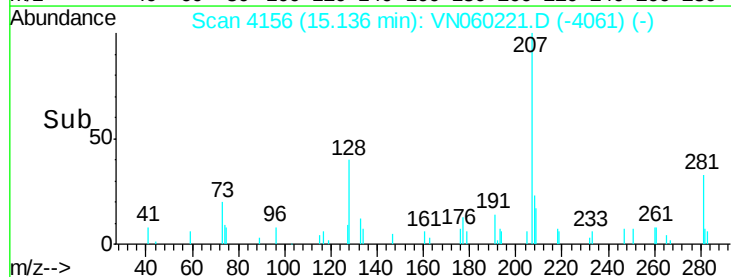
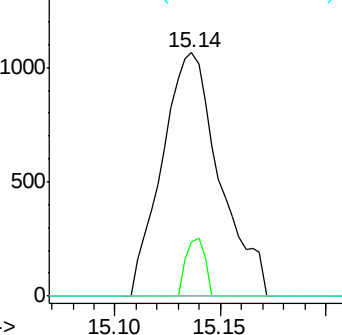


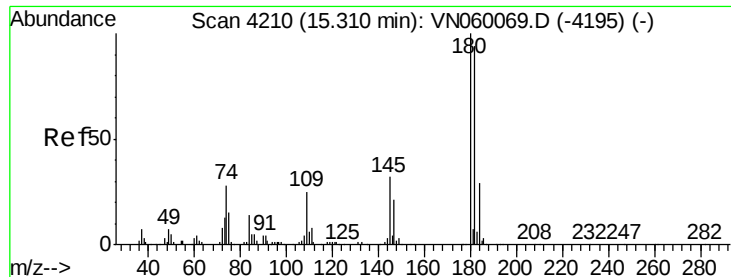
#95
 Naphthalene
 Concen: 0.39 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN060221.D
 Acq: 25 Feb 2020 9:56

Tgt Ion:128 Resp: 2024
 Ion Ratio Lower Upper
 128 100
 127 7.8 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

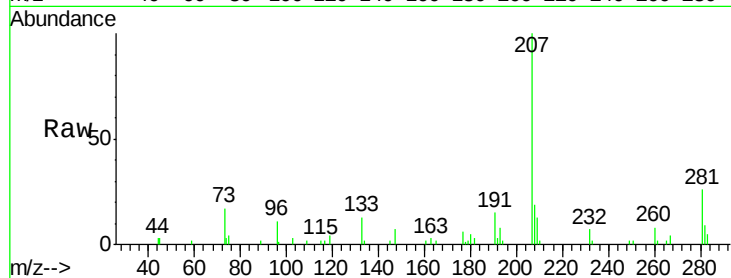




#96
 1,2,3-Trichlorobenzene
 Concen: 0.40 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.01 min
 Lab File: VN060221.D
 Acq: 25 Feb 2020 9:56

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	65.8	47.5	142.5
145	20.6	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

