

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040220\
 Data File : VN060818.D
 Acq On : 2 Apr 2020 13:08
 Operator : JC/MD
 Sample : L2015-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 03 07:41:42 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

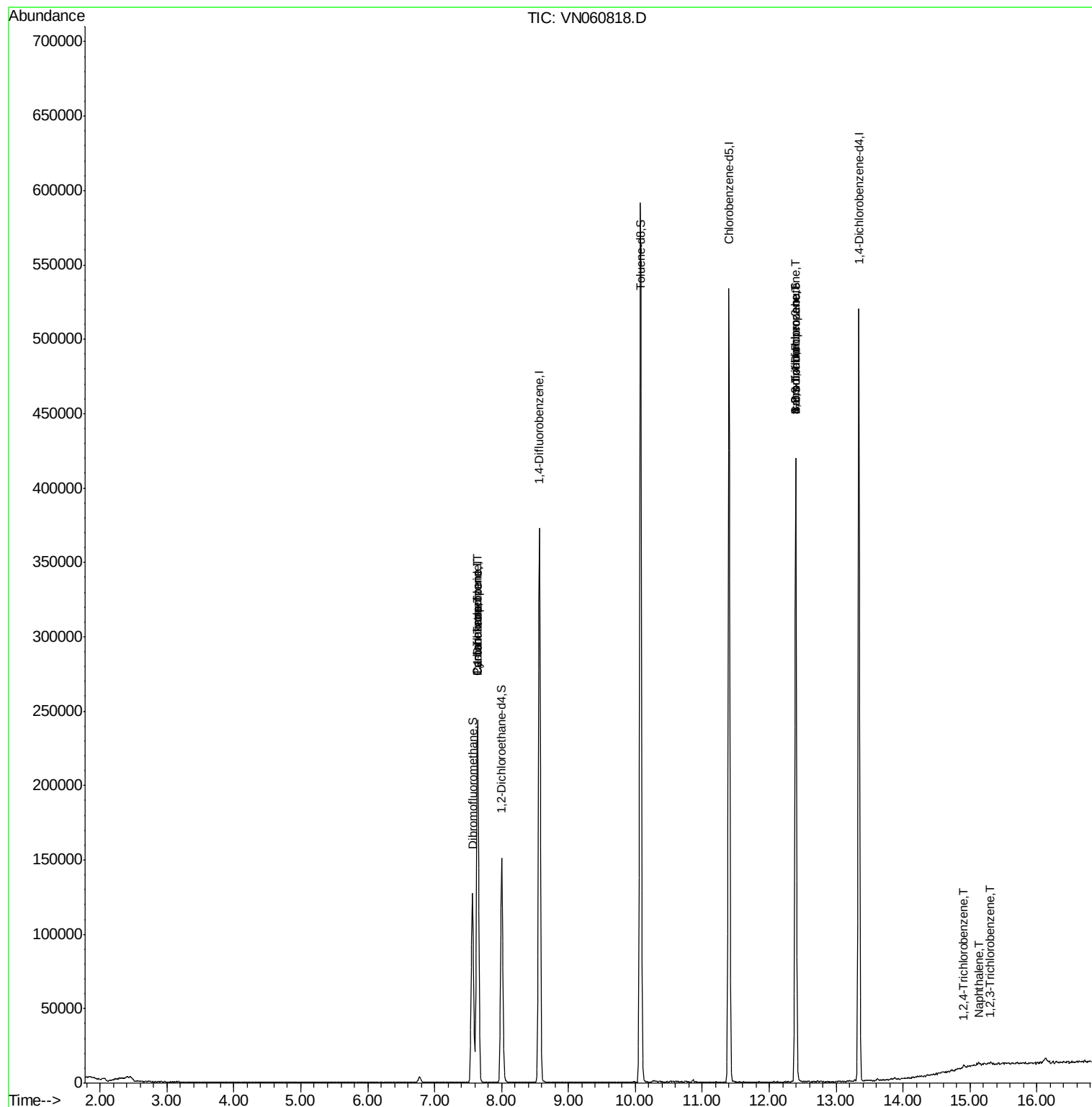
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	333344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	308396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134533	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	128411	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	7.56	113	98536	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
50) Toluene-d8	10.08	98	408876	49.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	149061	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.64	56	4011	0.906	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15793	4.893	ug/l #	49
38) Carbon Tetrachloride	7.64	117	19228	6.647	ug/l #	16
71) Bromoform	12.39	173	582	1.986	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	75390	25.970	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	75390	66.699	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.90	180	515	0.204	ug/l #	84
95) Naphthalene	15.13	128	1819	0.240	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.31	180	582	0.235	ug/l	93

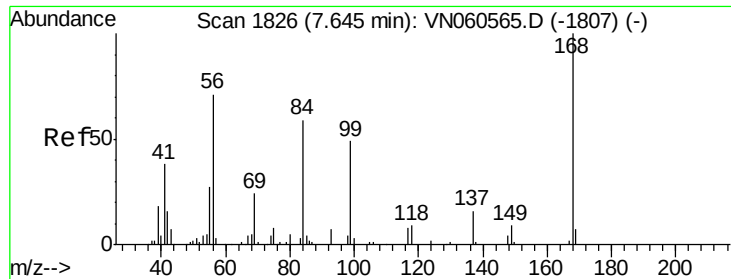
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060818.D

Acq: 2 Apr 2020 13:08

Instrument :

MSVOA_N

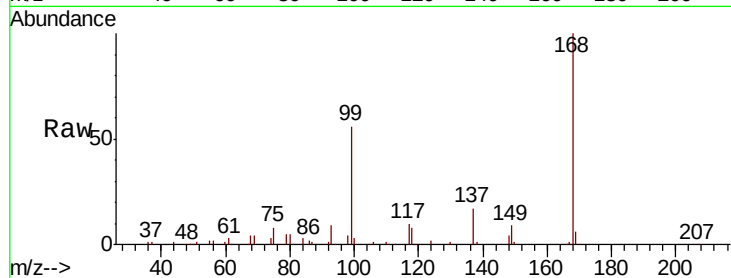
ClientSampleId :

Tot Ion:168 Resp: 200219

Ion Ratio Lower Upper

168 100

99 56.2 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

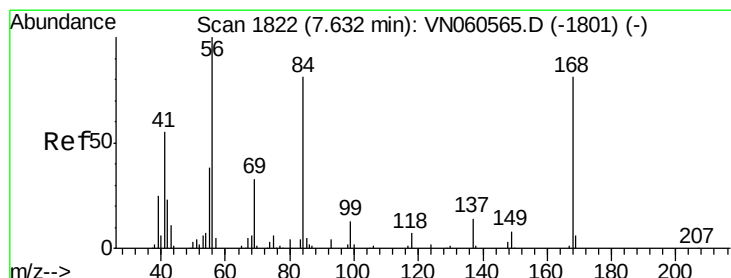
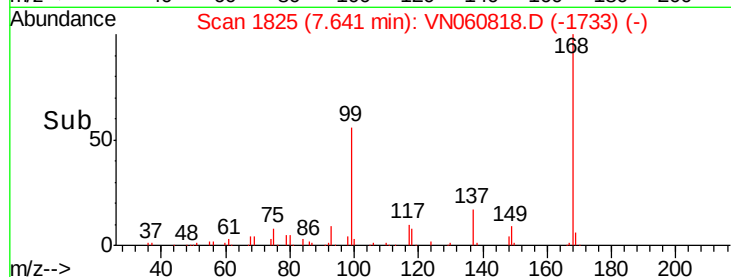
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#31

Cyclohexane

Concen: 0.906 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

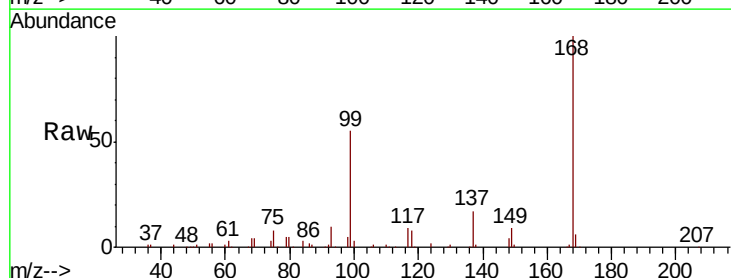
Tgt Ion: 56 Resp: 4011

Ion Ratio Lower Upper

56 100

69 179.9 26.6 40.0#

84 138.8 64.3 96.5#



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

4000

3000

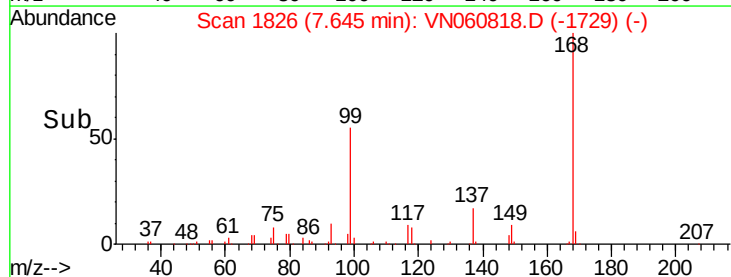
2000

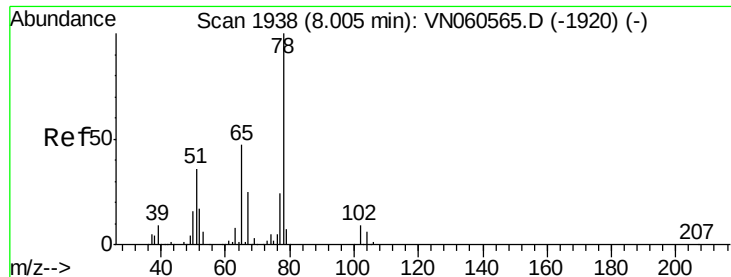
1000

0

7.60 7.65 7.70

Time-->

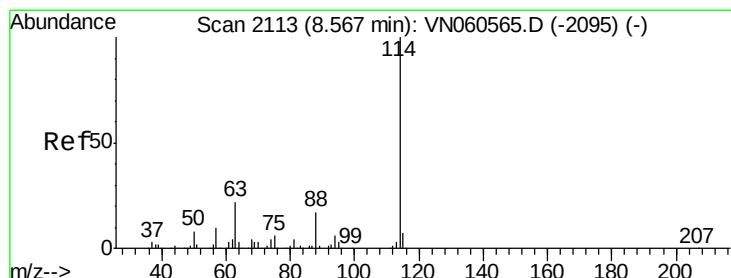
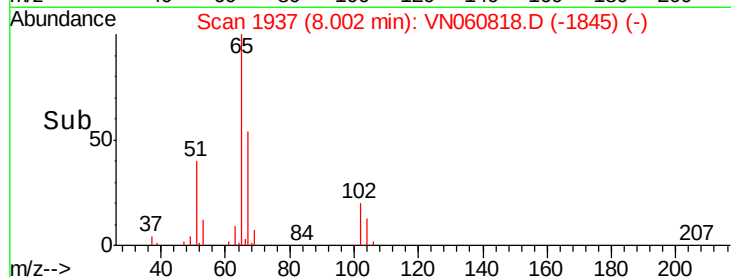
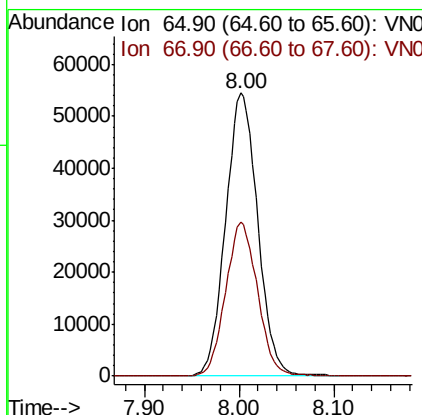
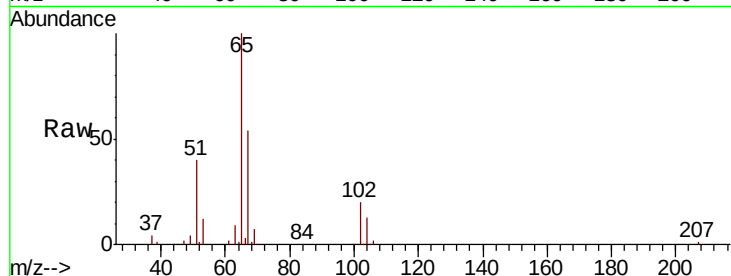




#33
 1,2-Dichloroethane-d4
 Concen: 46.720 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060818.D
 Acq: 2 Apr 2020 13:08

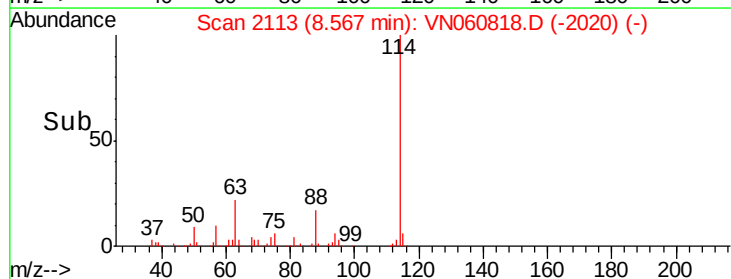
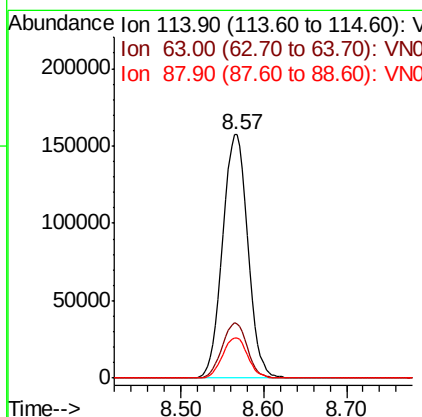
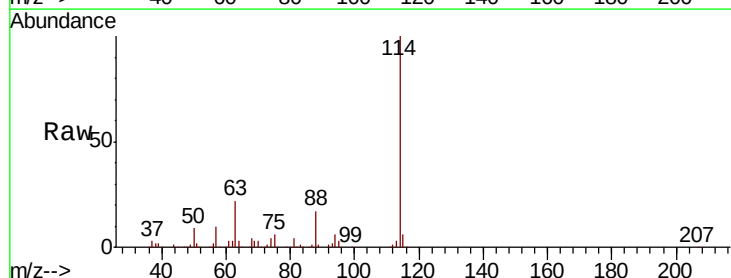
Instrument :
 MSVOA_N
 ClientSampleId :

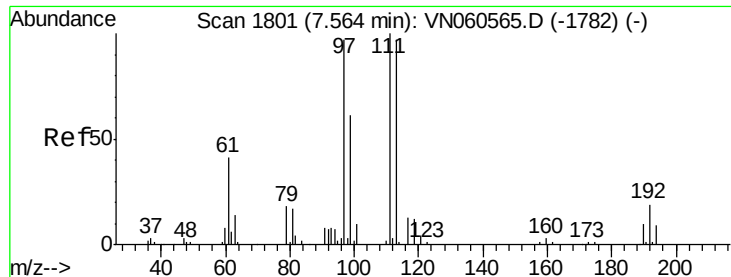
Tot Ion: 65 Resp: 128411
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060818.D
 Acq: 2 Apr 2020 13:08

Tgt Ion: 114 Resp: 333344
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.886 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

Instrument :
MSVOA_N
ClientSampled :

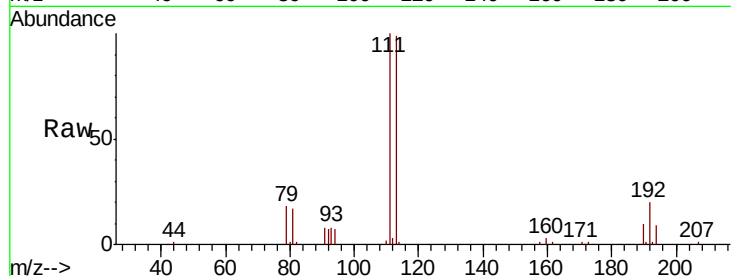
Tot Ion:113 Resp: 98536

Ion Ratio Lower Upper

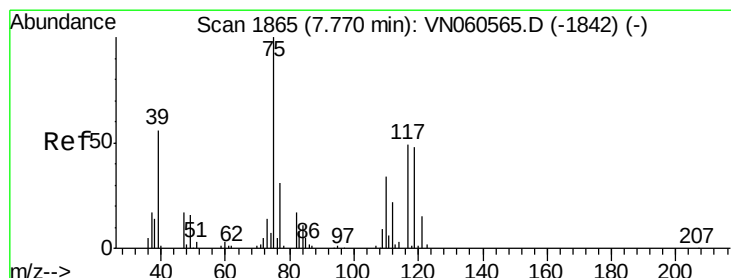
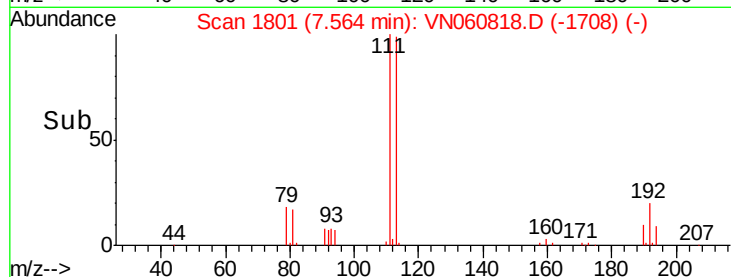
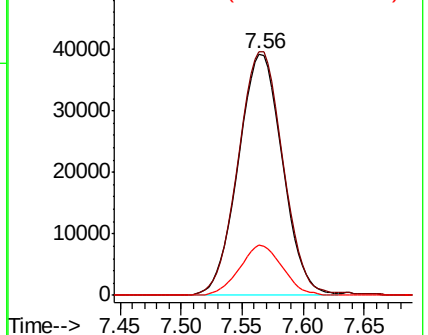
113 100

111 102.1 82.9 124.3

192 20.2 15.8 23.8



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: 4.893 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

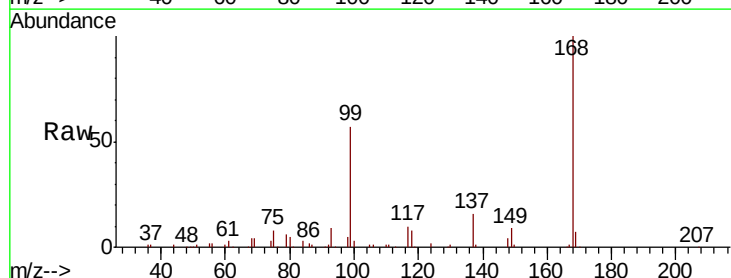
Tgt Ion: 75 Resp: 15793

Ion Ratio Lower Upper

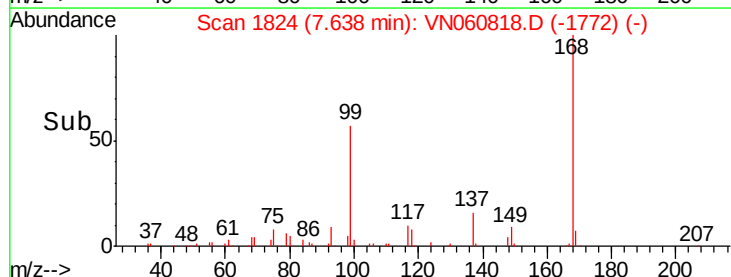
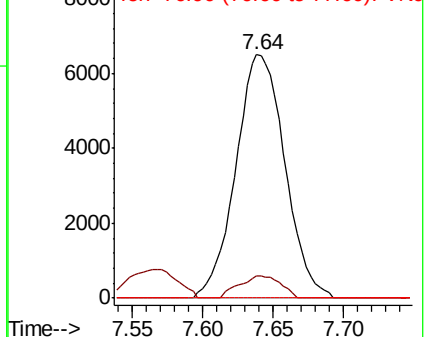
75 100

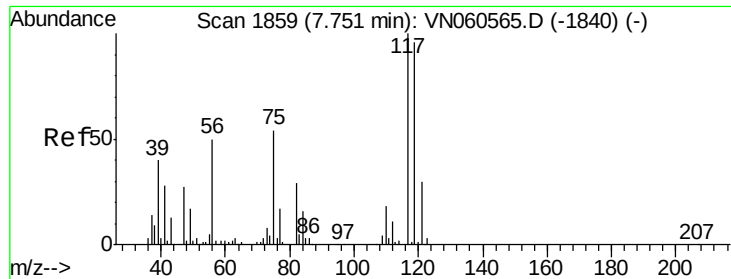
110 7.8 16.9 50.6#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

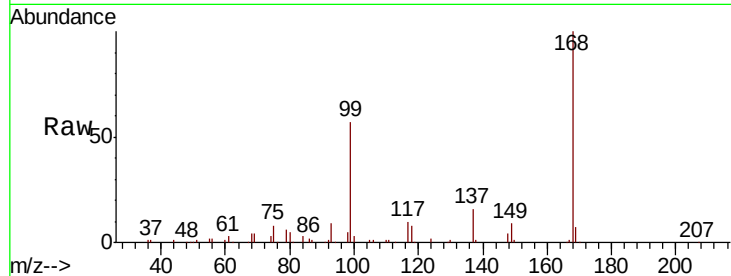




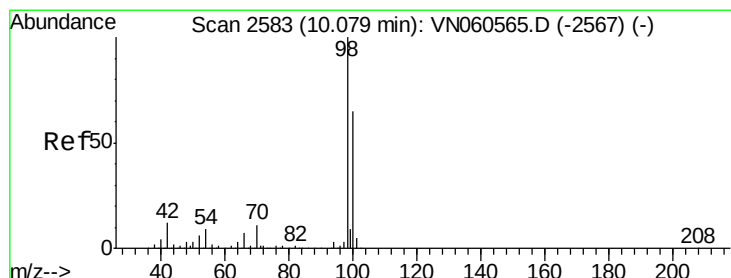
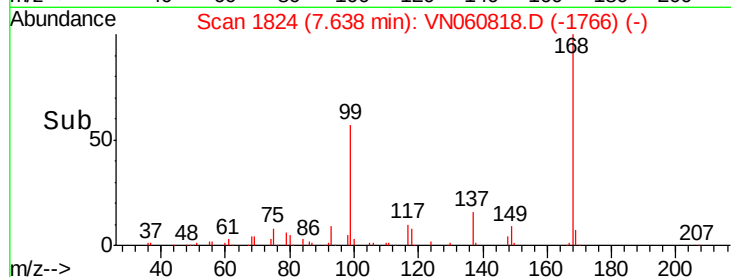
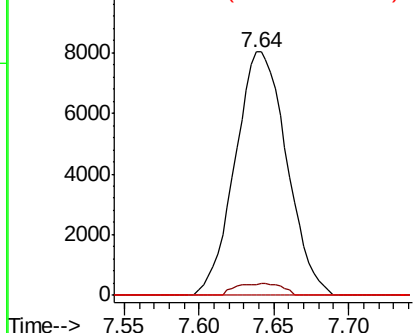
#38
Carbon Tetrachloride
Concen: 6.647 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.11 min
Lab File: VN060818.D
Acq: 2 Apr 2020 13:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 19228
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.2#
121 0.0 23.7 35.5#

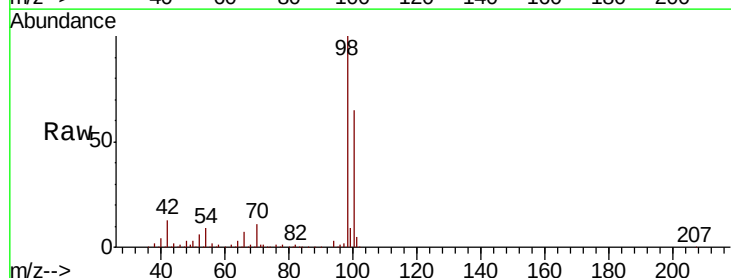


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

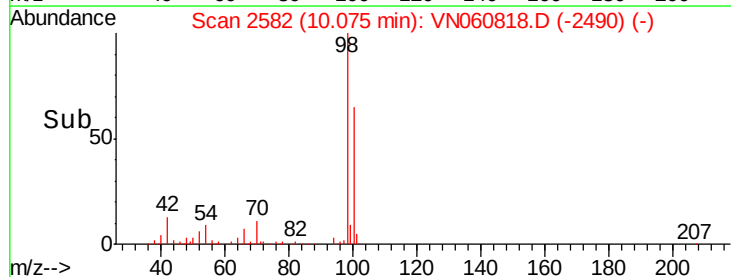
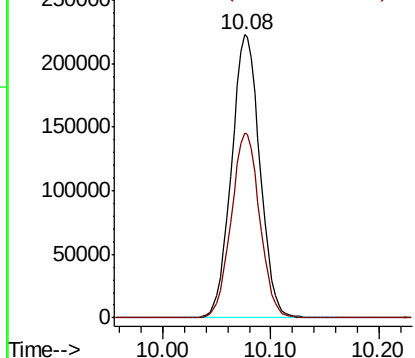


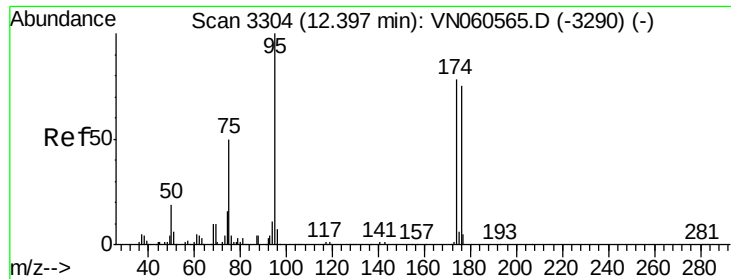
#50
Toluene-d8
Concen: 49.663 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060818.D
Acq: 2 Apr 2020 13:08

Tgt Ion: 98 Resp: 408876
Ion Ratio Lower Upper
98 100
100 65.4 51.8 77.8



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





#62

4-Bromofluorobenzene

Concen: 49.402 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

Instrument :

MSVOA_N

ClientSampled :

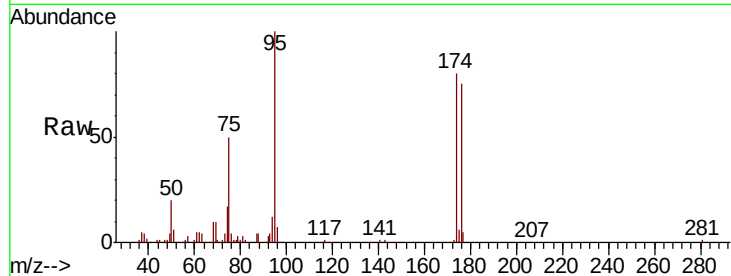
Tot Ion: 95 Resp: 149061

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.6

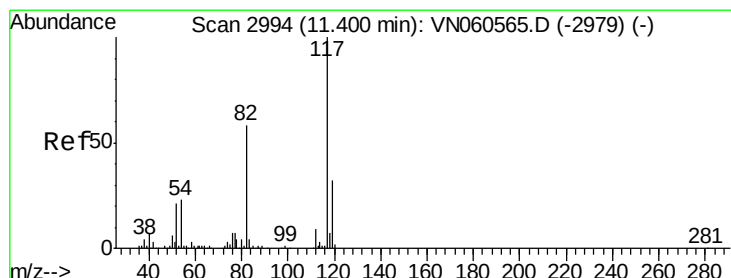
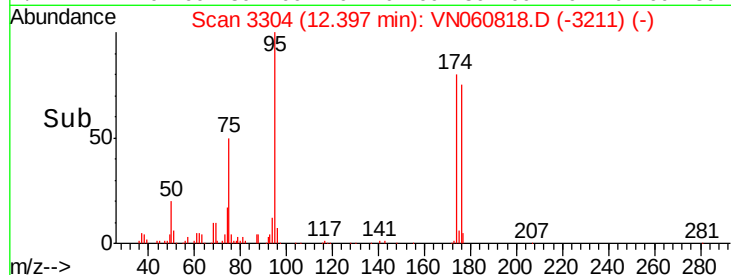
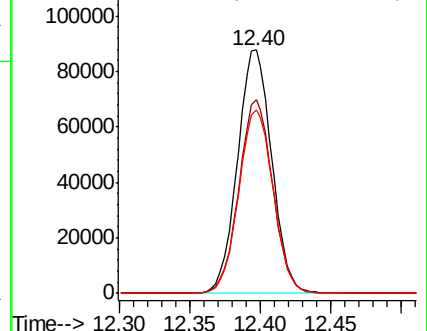
176 76.2 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060818.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060818.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060818.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

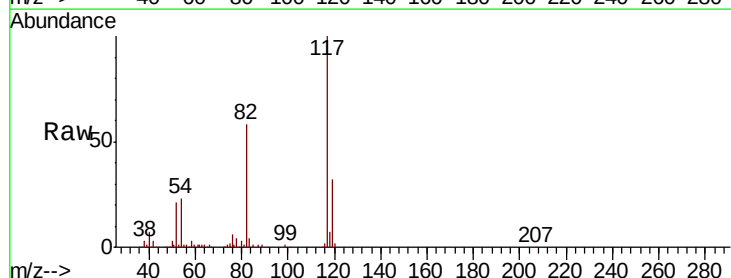
Tgt Ion: 117 Resp: 308396

Ion Ratio Lower Upper

117 100

82 58.0 46.7 70.1

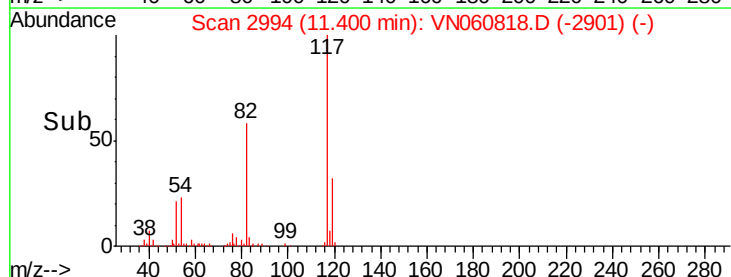
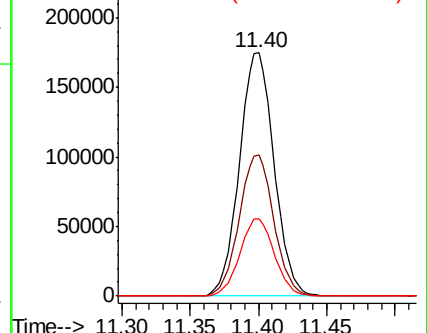
119 31.9 25.5 38.3

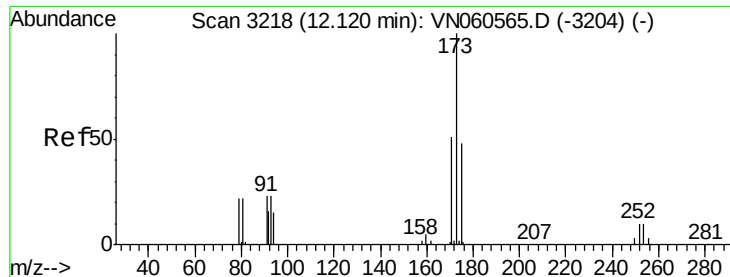


Abundance Ion 116.90 (116.60 to 117.60): VN060818.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060818.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060818.D (-2979) (-)





#71

Bromoform

Concen: 1.986 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

Instrument :

MSVOA_N

ClientSampleId :

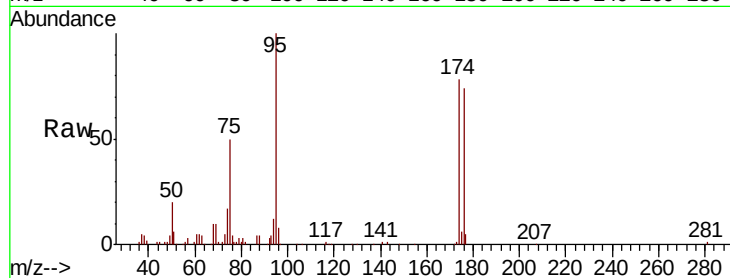
Tot Ion:173 Resp: 582

Ion Ratio Lower Upper

173 100

175 1281.8 24.1 72.4#

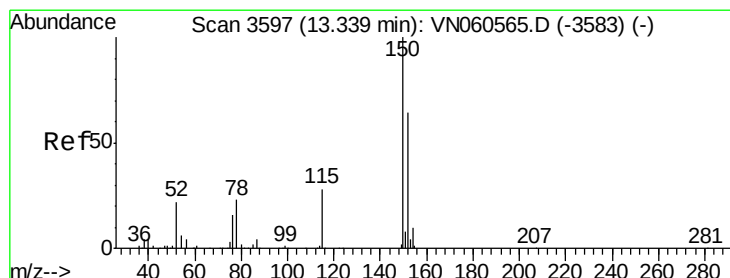
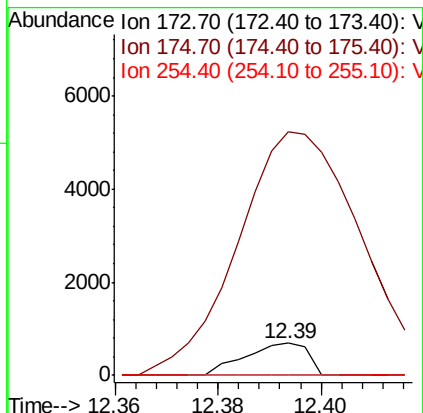
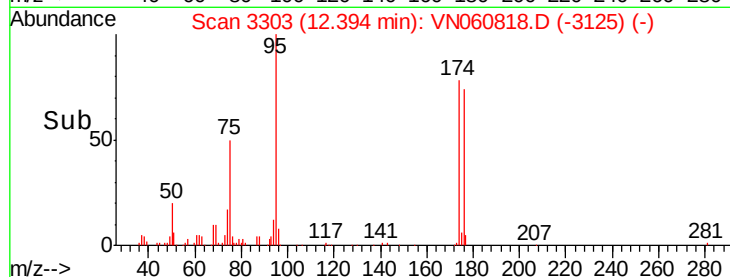
254 0.0 0.0 0.0



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: VN060818.D

Acq: 2 Apr 2020 13:08

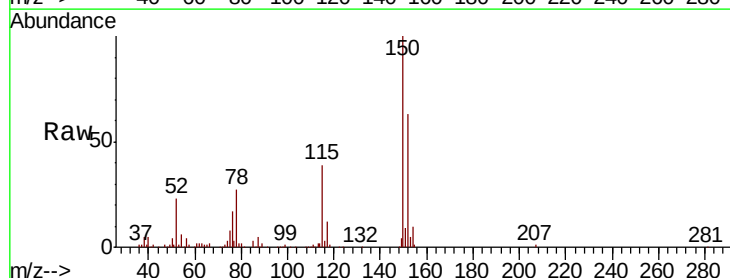
Tgt Ion:152 Resp: 134533

Ion Ratio Lower Upper

152 100

115 60.3 30.2 90.6

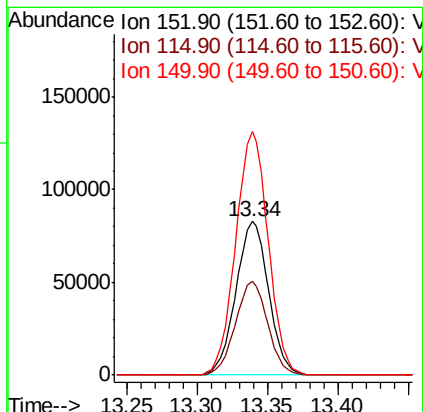
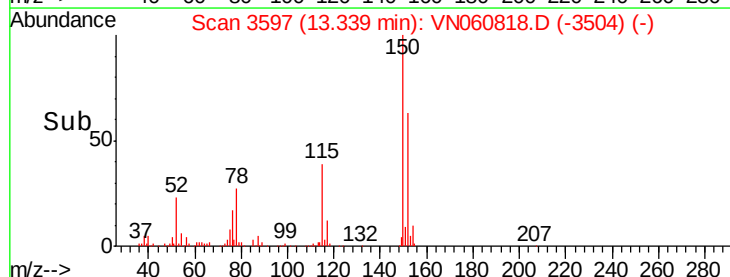
150 157.7 0.0 350.2

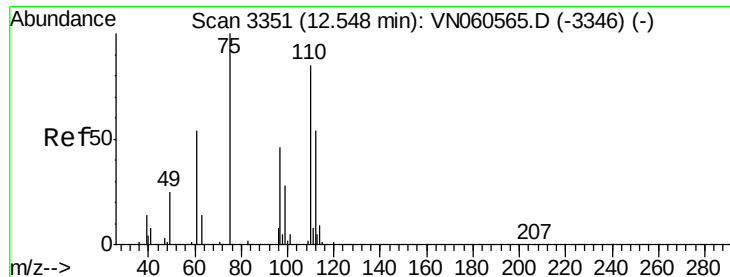


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.970 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

Instrument :

MSVOA_N

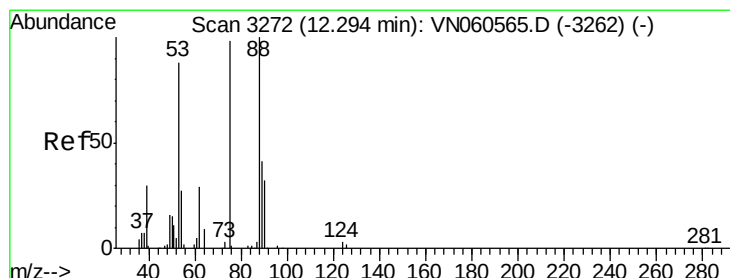
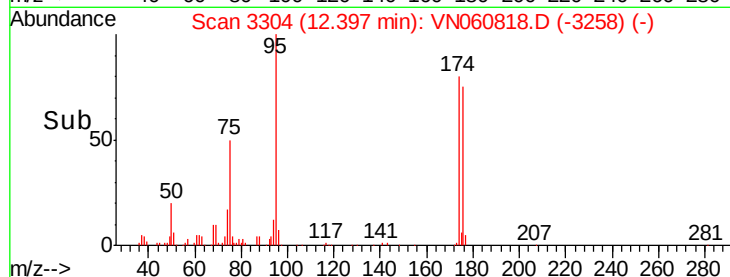
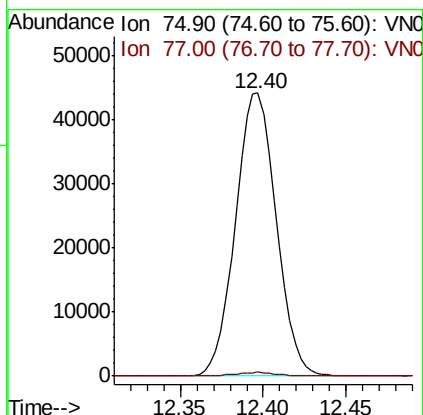
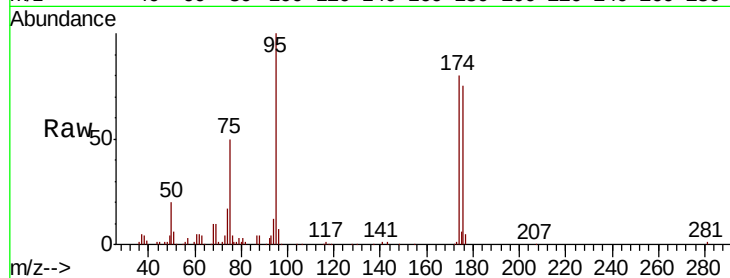
ClientSampled :

Tot Ion: 75 Resp: 75390

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.699 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060818.D

Acq: 2 Apr 2020 13:08

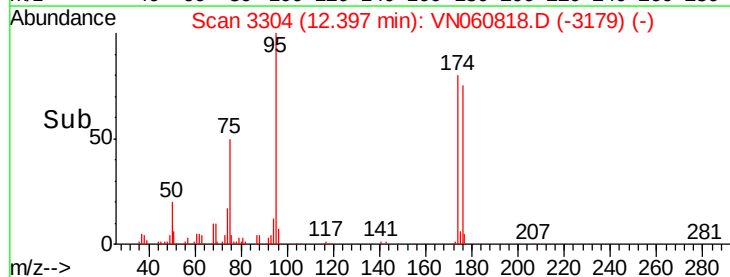
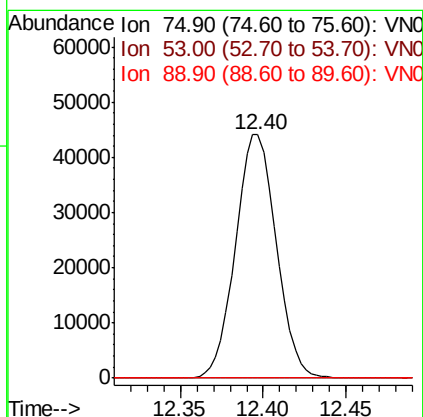
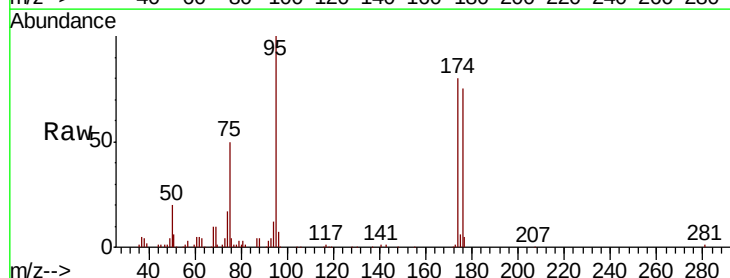
Tgt Ion: 75 Resp: 75390

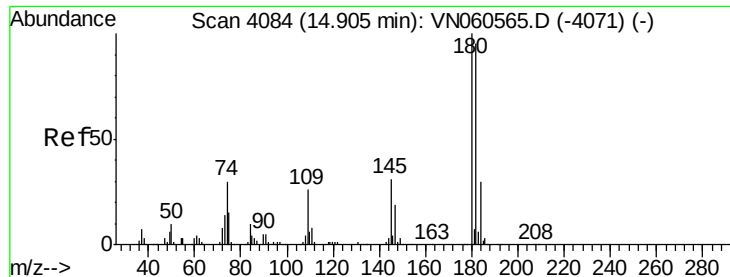
Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

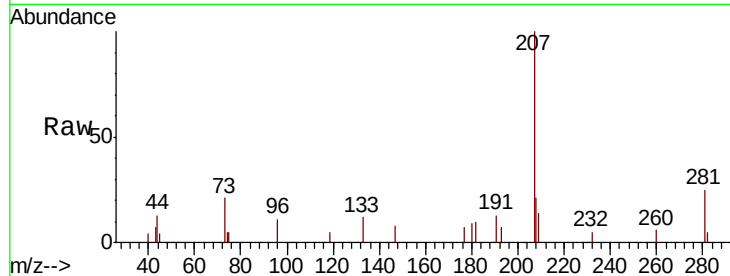




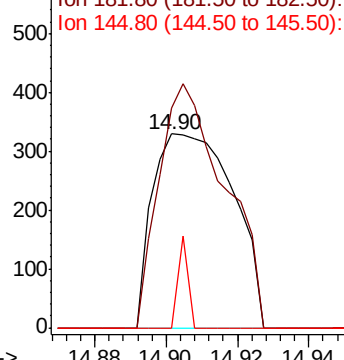
#93
 1,2,4-Trichlorobenzene
 Concen: 0.204 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN060818.D
 Acq: 2 Apr 2020 13:08

Instrument :
 MSVOA_N
 ClientSampled :

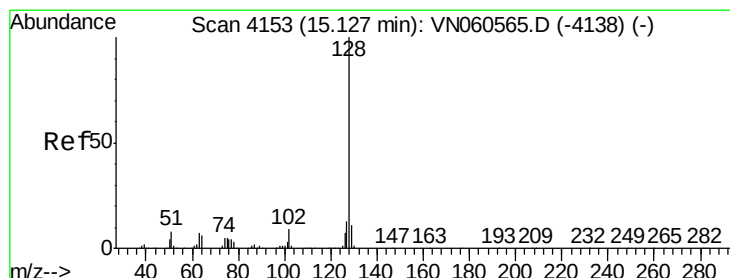
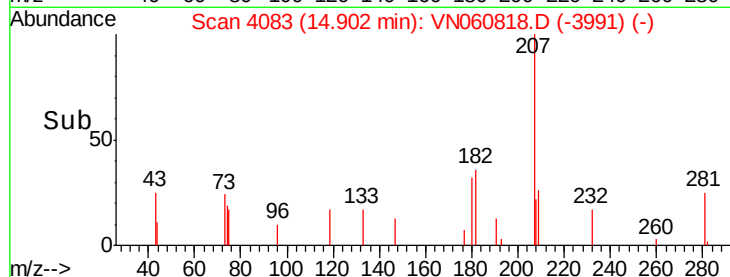
Tot Ion:180 Resp: 515
 Ion Ratio Lower Upper
 180 100
 182 102.5 47.9 143.8
 145 5.8 15.4 46.2#



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

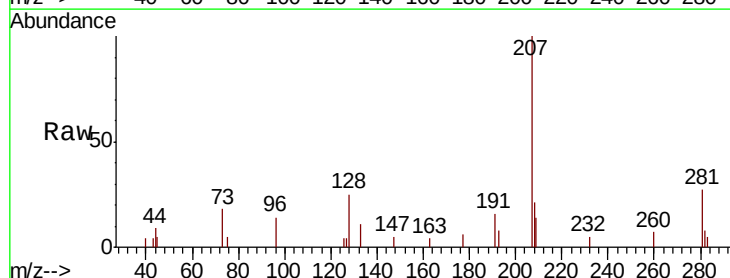


Time-->

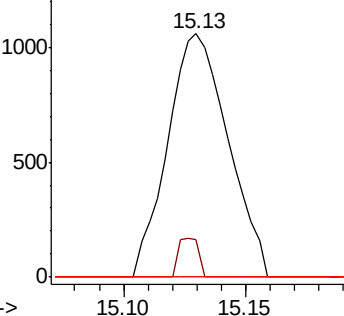


#95
 Naphthalene
 Concen: 0.240 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN060818.D
 Acq: 2 Apr 2020 13:08

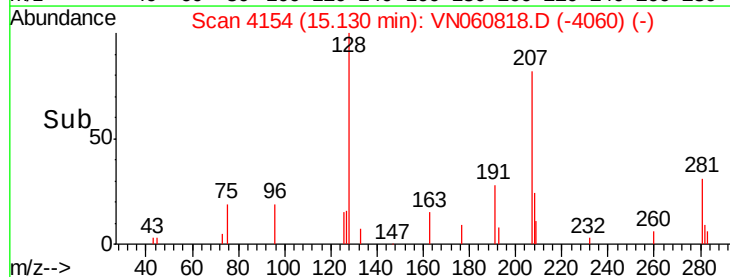
Tgt Ion:128 Resp: 1819
 Ion Ratio Lower Upper
 128 100
 127 5.3 10.2 15.2#
 129 0.0 8.8 13.2#

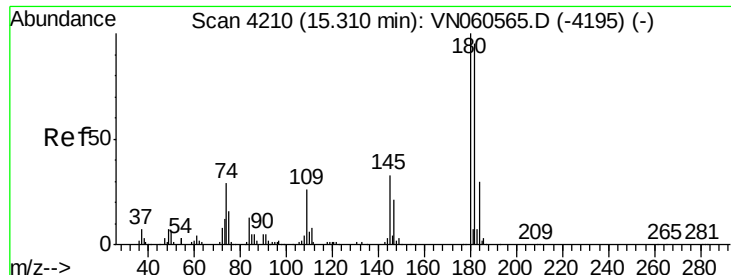


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V



Time-->

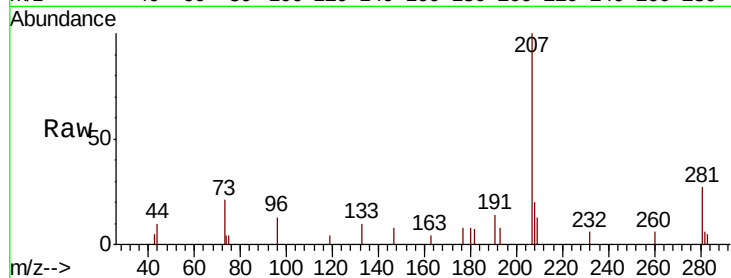




#96
 1,2,3-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 15.31 min Scan# 4209
 Delta R.T. -0.00 min
 Lab File: VN060818.D
 Acq: 2 Apr 2020 13:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.9	47.5	142.6
145	23.9	16.3	48.8



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

