

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060084.D
 Acq On : 13 Feb 2020 10:51
 Operator : JC/MD
 Sample : VN0213WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:53:49 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	198305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	310921	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	281567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	120892	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	115626	47.92	ug/l	0.00
Spiked Amount						
			Recovery	=	95.84%	
35) Dibromofluoromethane	7.57	113	94307	49.34	ug/l	0.00
Spiked Amount						
			Recovery	=	98.68%	
50) Toluene-d8	10.08	98	368094	48.91	ug/l	0.00
Spiked Amount						
			Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.40	95	130182	47.07	ug/l	0.00
Spiked Amount						
			Recovery	=	94.14%	

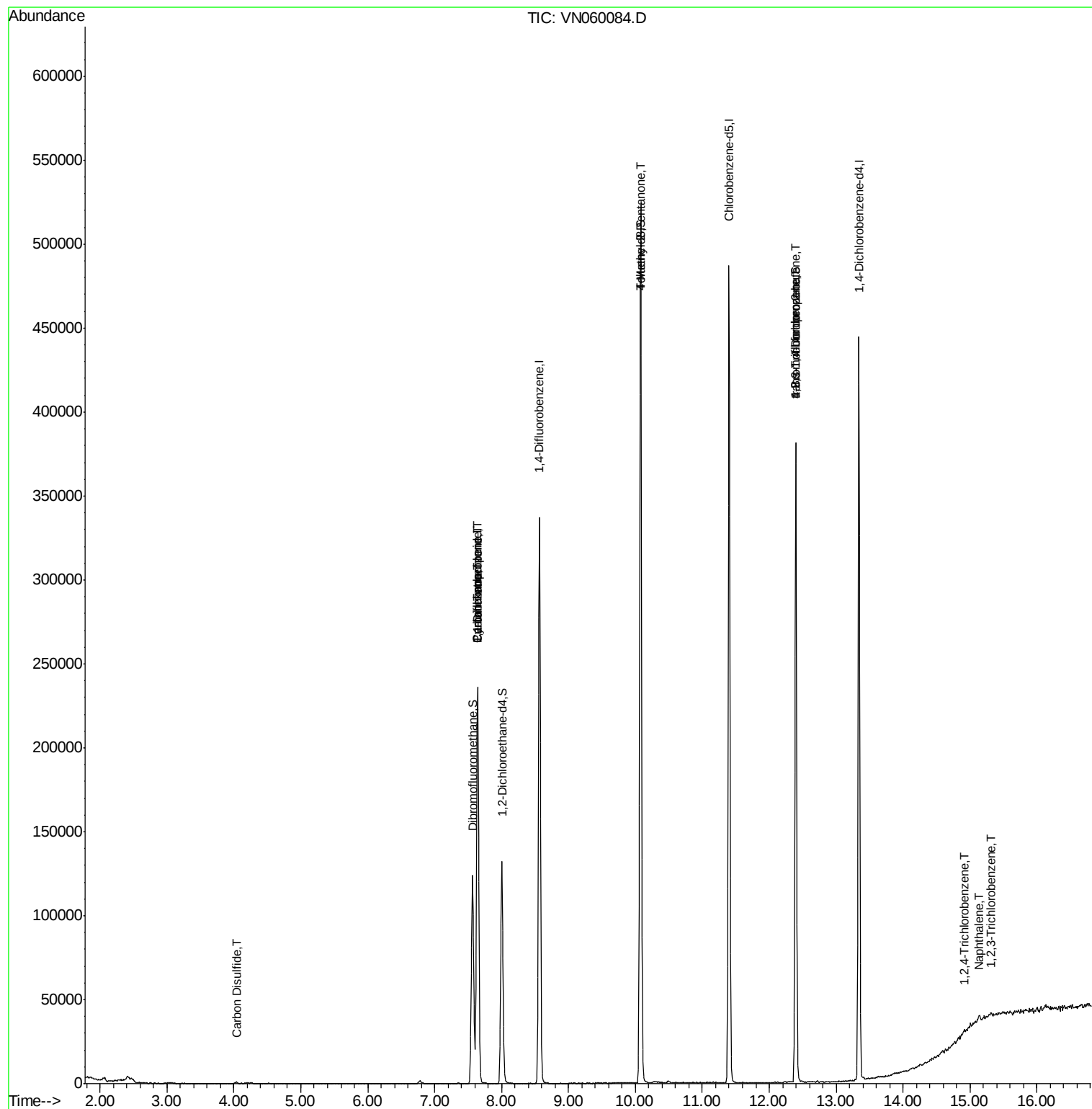
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.04	76	1561	0.276	ug/l #	76
31) Cyclohexane	7.64	56	4072	1.193	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14246	4.947	ug/l #	46
38) Carbon Tetrachloride	7.64	117	18900	6.043	ug/l #	14
51) 4-Methyl-2-Pentanone	10.08	43	1579	0.613	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	65843	28.467	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	65843	69.703	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	29	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	461	0.202	ug/l #	79
95) Naphthalene	15.13	128	2342	0.380	ug/l #	84
96) 1,2,3-Trichlorobenzene	15.31	180	785	0.346	ug/l	93

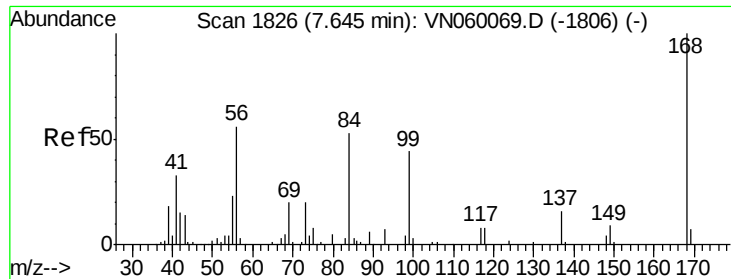
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060084.D

Acq: 13 Feb 2020 10:51

Instrument :

MSVOA_N

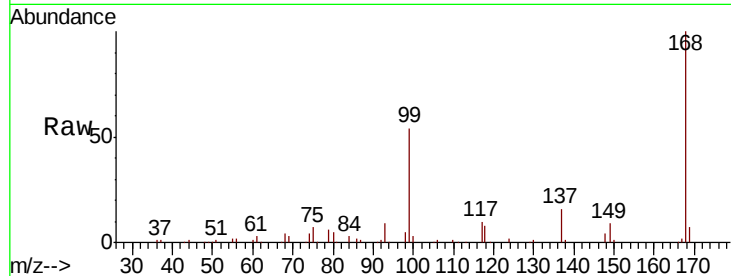
ClientSampled :

Tot Ion:168 Resp: 198305

Ion Ratio Lower Upper

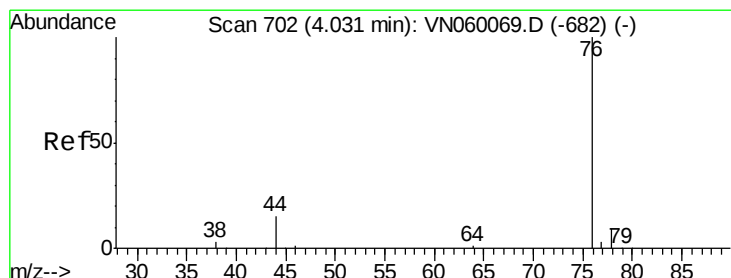
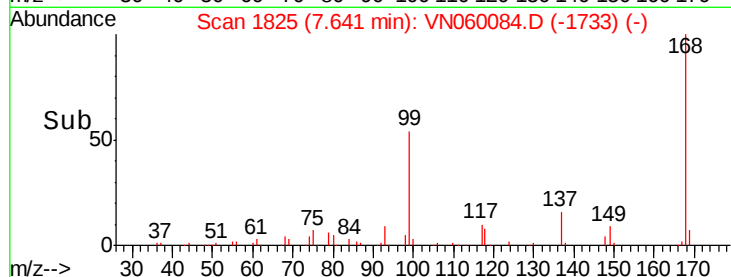
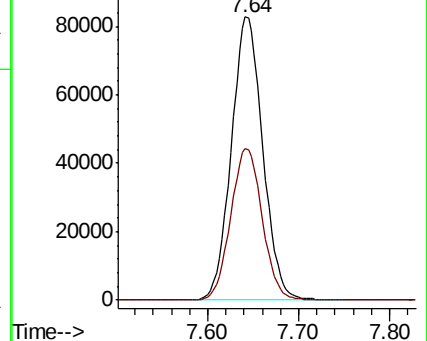
168 100

99 53.7 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)



#17

Carbon Disulfide

Concen: 0.276 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN060084.D

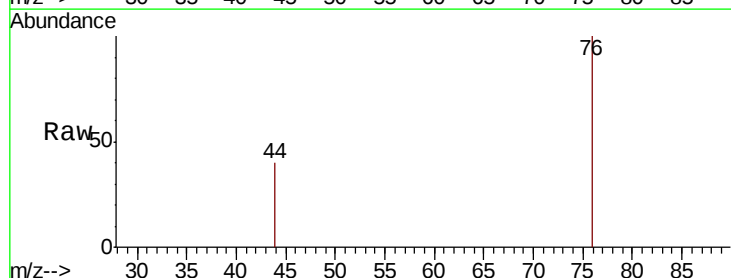
Acq: 13 Feb 2020 10:51

Tgt Ion: 76 Resp: 1561

Ion Ratio Lower Upper

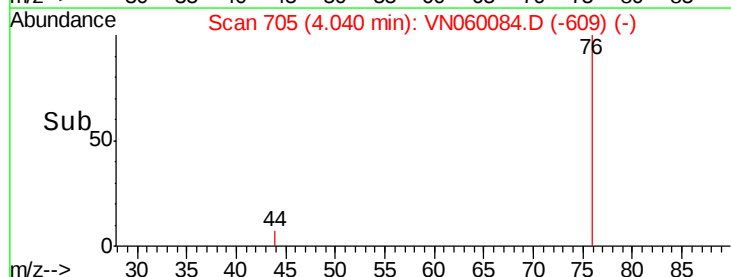
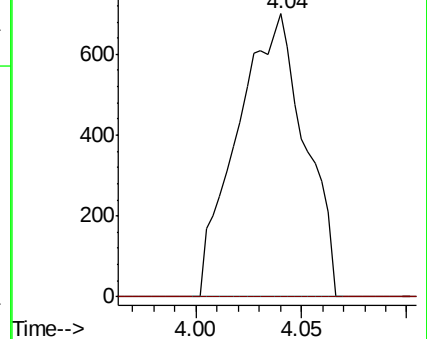
76 100

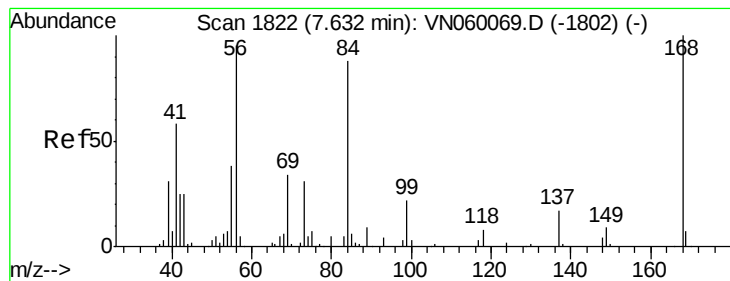
78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN060069.D (-682) (-)

Ion 77.90 (77.60 to 78.60): VN060069.D (-682) (-)





#31

Cyclohexane

Concen: 1.193 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN060084.D

Acq: 13 Feb 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

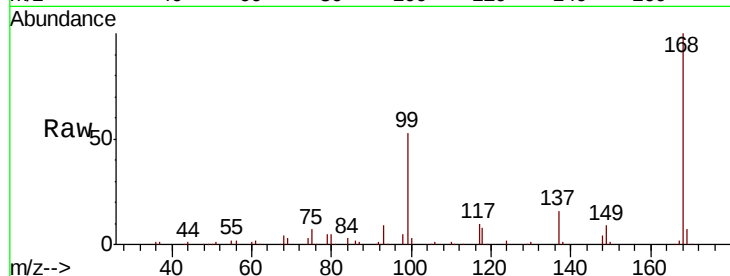
Tot Ion: 56 Resp: 4072

Ion Ratio Lower Upper

56 100

69 162.8 28.3 42.5#

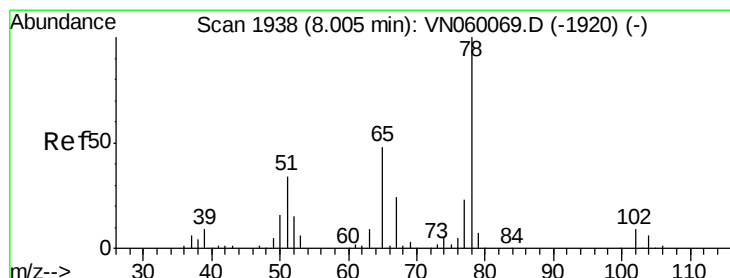
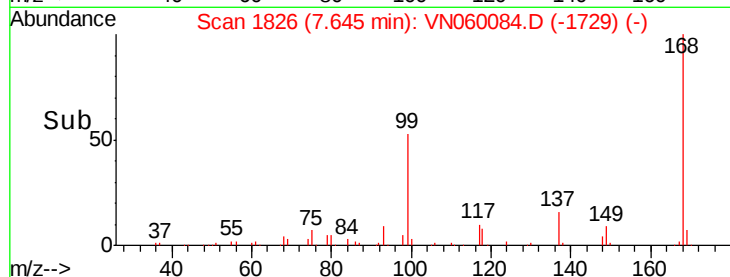
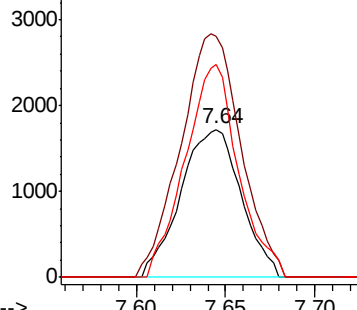
84 144.1 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN060069.D (-1802) (-)

Ion 69.00 (68.70 to 69.70): VN060069.D (-1802) (-)

Ion 84.00 (83.70 to 84.70): VN060069.D (-1802) (-)



#33

1,2-Dichloroethane-d4

Concen: 47.917 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060084.D

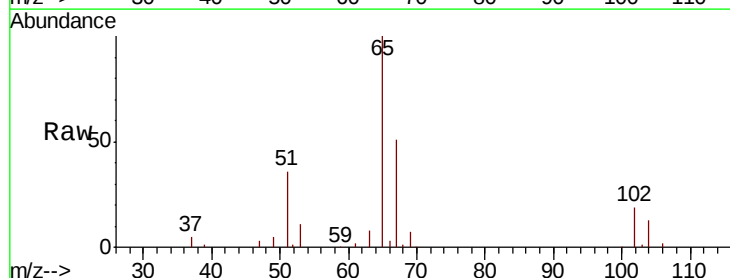
Acq: 13 Feb 2020 10:51

Tgt Ion: 65 Resp: 115626

Ion Ratio Lower Upper

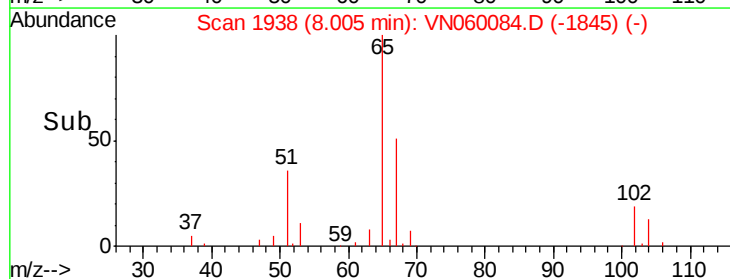
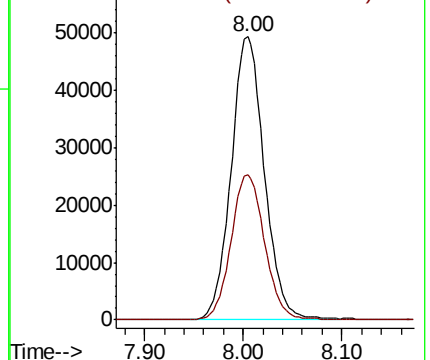
65 100

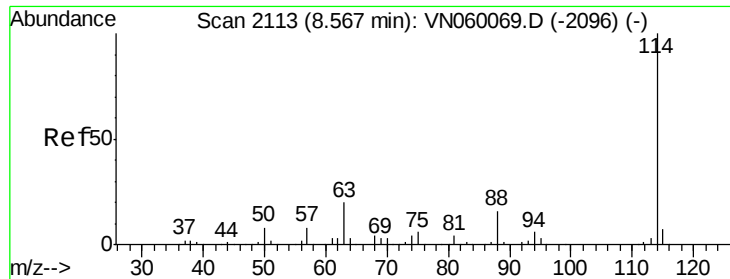
67 51.8 0.0 104.0



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

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

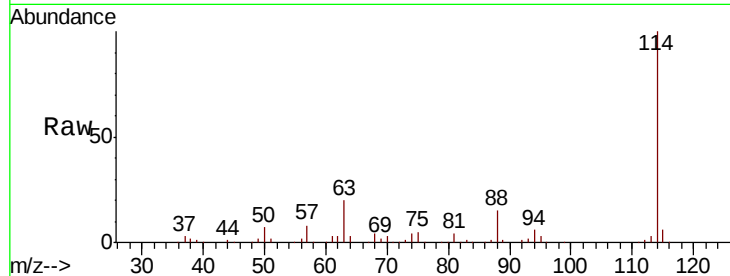




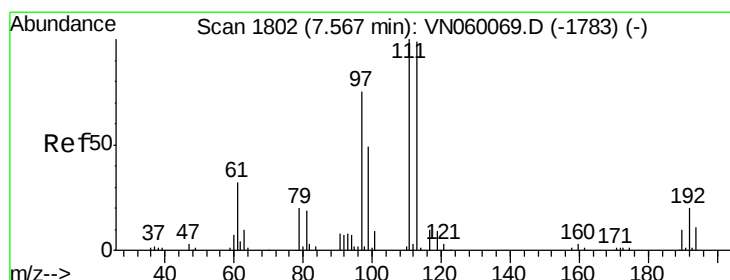
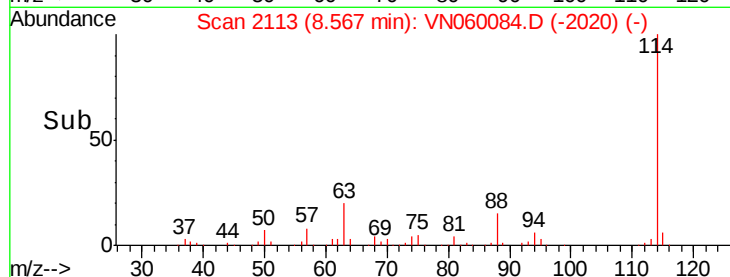
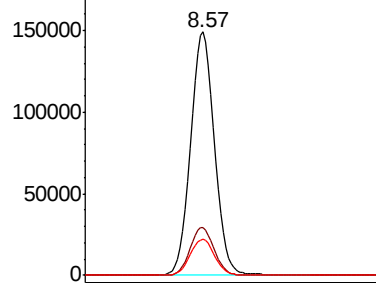
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060084.D
 Acq: 13 Feb 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.0
88	14.9	0.0	31.6

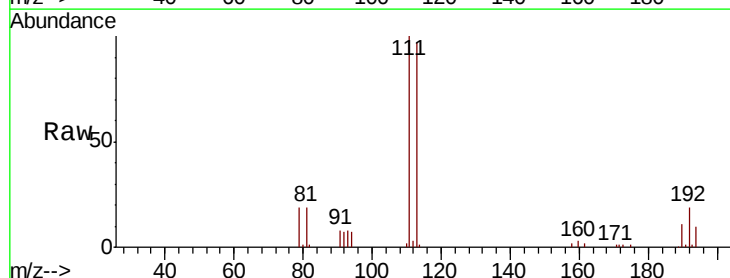


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

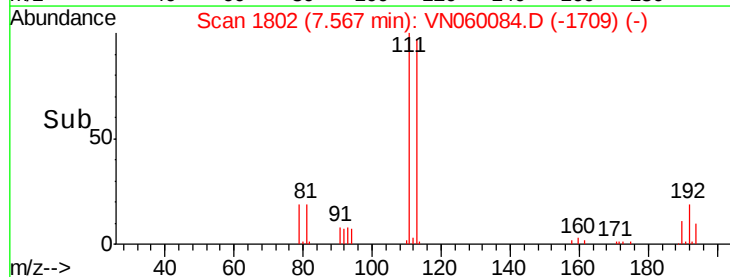
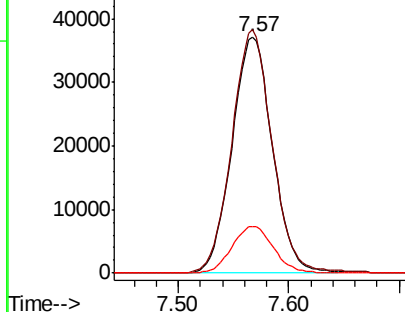


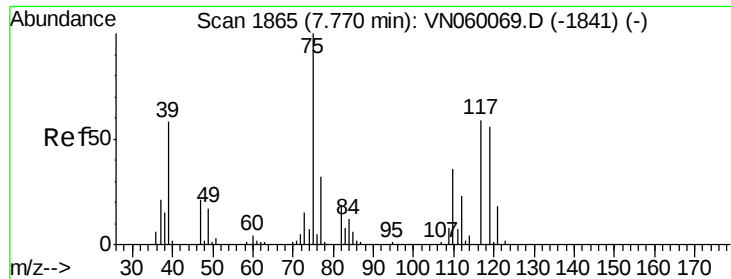
#35
 Dibromofluoromethane
 Concen: 49.344 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060084.D
 Acq: 13 Feb 2020 10:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	20.2	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

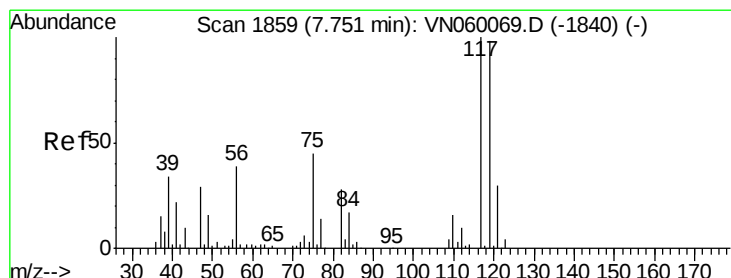
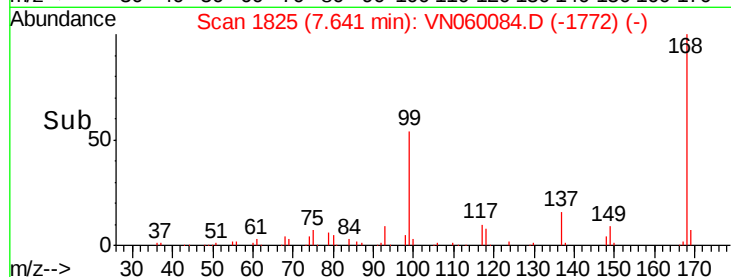
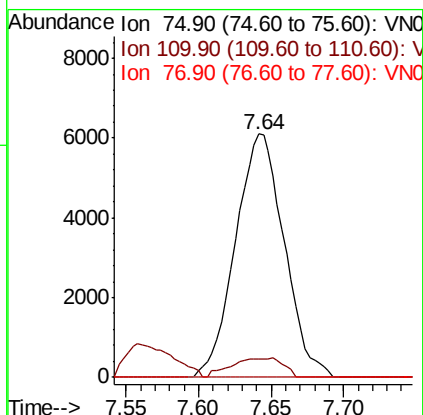
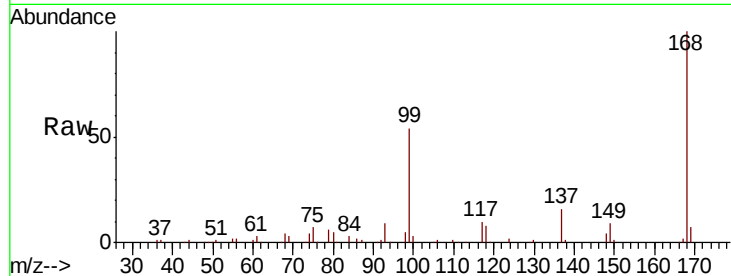




#36
 1,1-Dichloropropene
 Concen: 4.947 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060084.D
 Acq: 13 Feb 2020 10:51

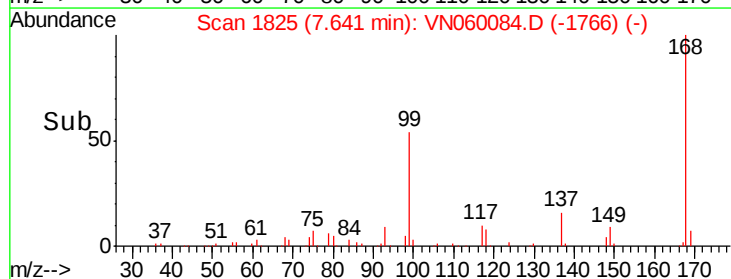
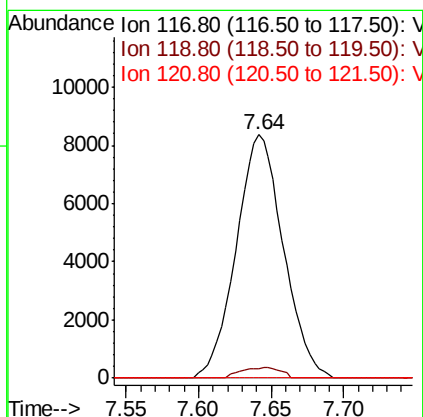
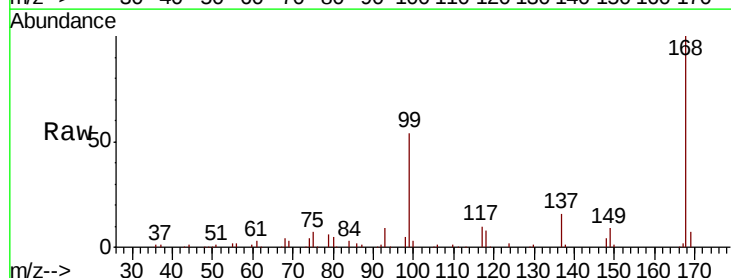
Instrument :
 MSVOA_N
 ClientSampleId :

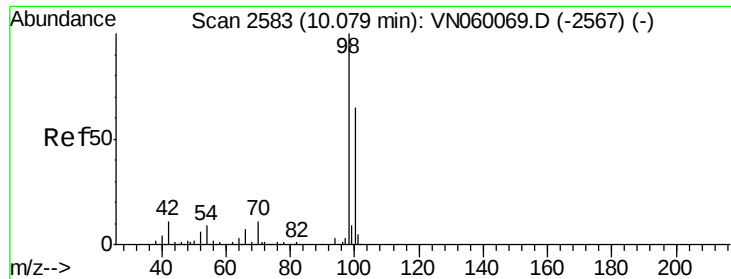
Tot Ion	75	Resp	14246
Ion Ratio	Lower	Upper	
75	100		
110	5.5	18.1	54.3#
77	0.0	25.1	37.7#



#38
 Carbon Tetrachloride
 Concen: 6.043 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060084.D
 Acq: 13 Feb 2020 10:51

Tgt Ion	117	Resp	18900
Ion Ratio	Lower	Upper	
117	100		
119	4.0	78.2	117.4#
121	0.0	24.2	36.2#

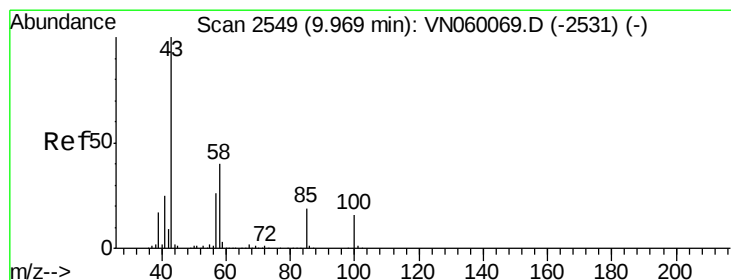
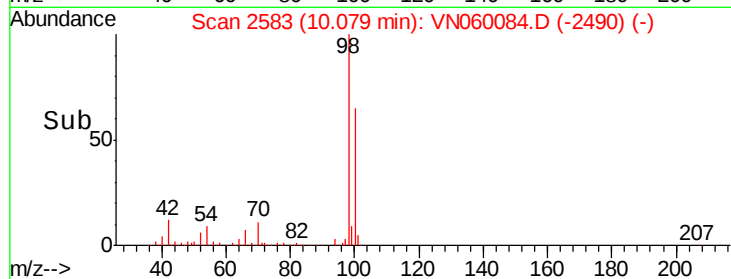
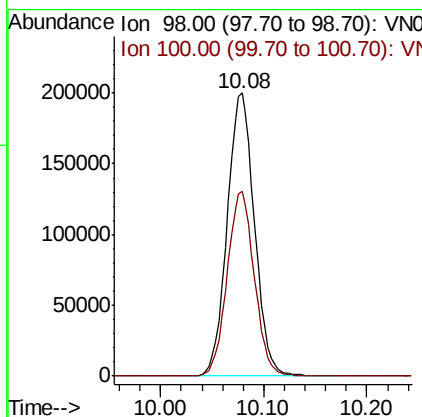
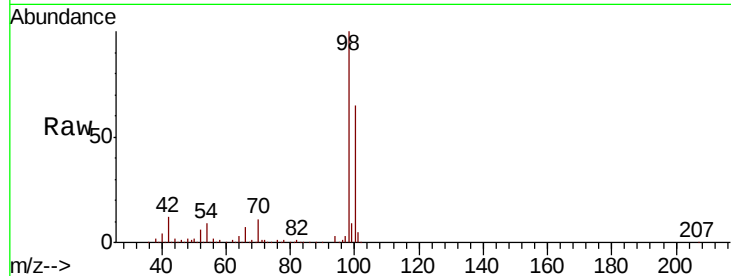




#50
Toluene-d8
Concen: 48.907 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060084.D
Acq: 13 Feb 2020 10:51

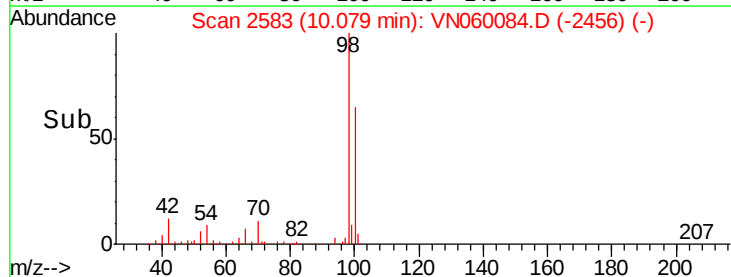
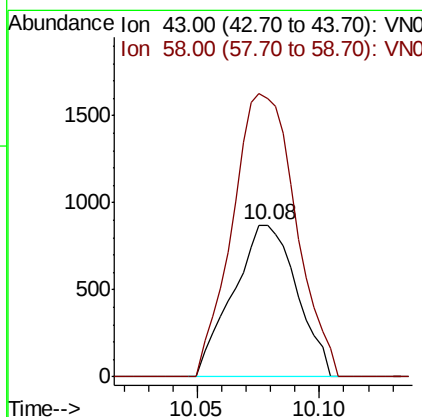
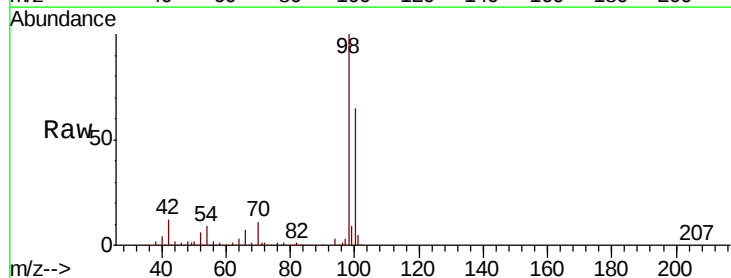
Instrument :
MSVOA_N
ClientSampled :

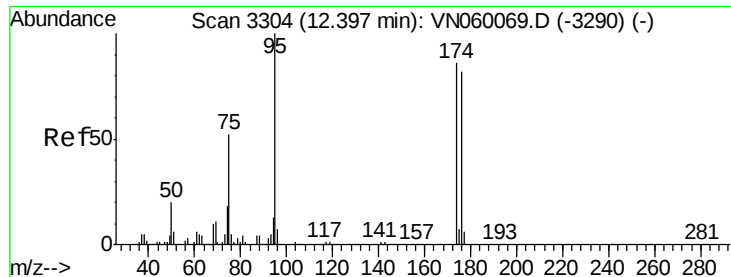
Tot Ion: 98 Resp: 368094
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.613 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.11 min
Lab File: VN060084.D
Acq: 13 Feb 2020 10:51

Tgt Ion: 43 Resp: 1579
Ion Ratio Lower Upper
43 100
58 185.6 31.8 47.8#





#62

4-Bromofluorobenzene

Concen: 47.072 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060084.D

Acq: 13 Feb 2020 10:51

Instrument :

MSVOA_N

ClientSampled :

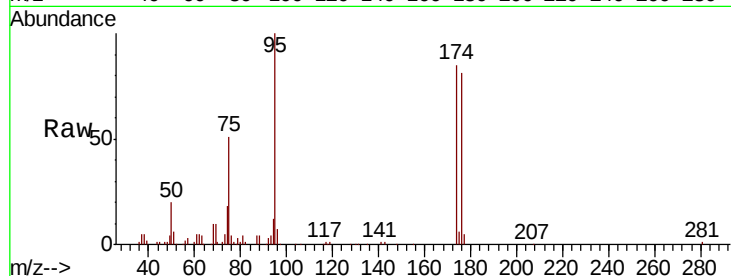
Tot Ion: 95 Resp: 130182

Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.8

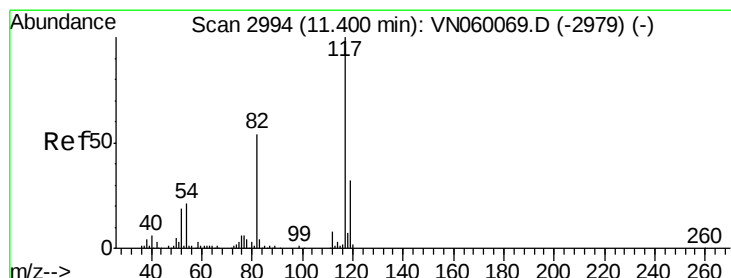
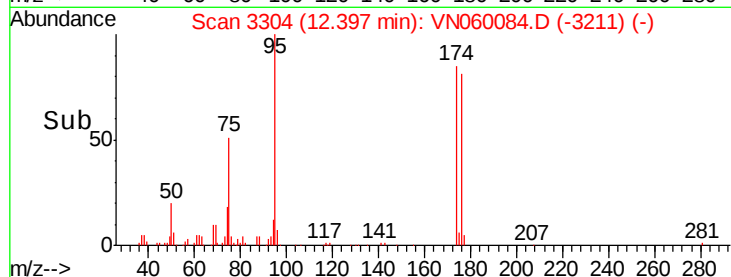
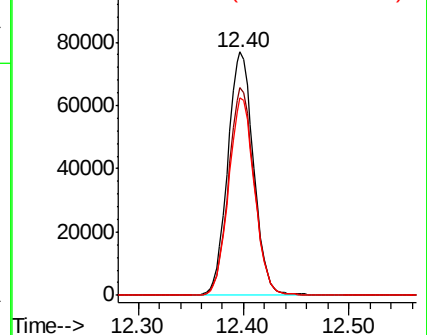
176 81.2 0.0 164.8



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: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060084.D

Acq: 13 Feb 2020 10:51

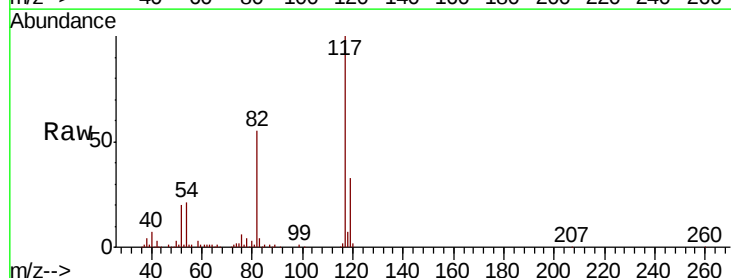
Tgt Ion: 117 Resp: 281567

Ion Ratio Lower Upper

117 100

82 54.8 43.4 65.0

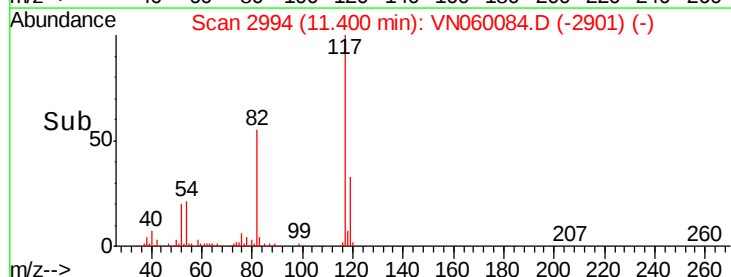
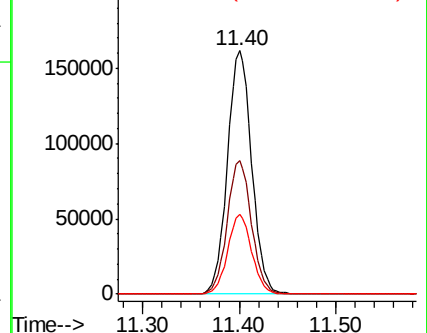
119 32.6 25.8 38.6

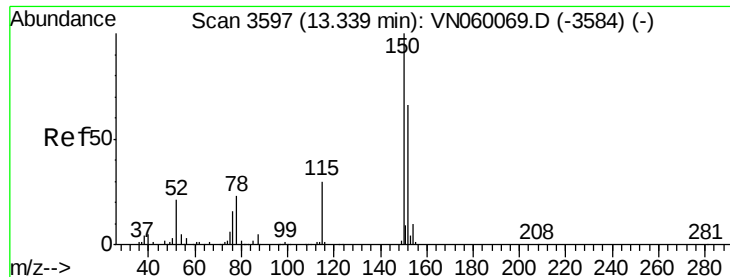


Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

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: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060084.D

Acq: 13 Feb 2020 10:51

Instrument :

MSVOA_N

ClientSampleId :

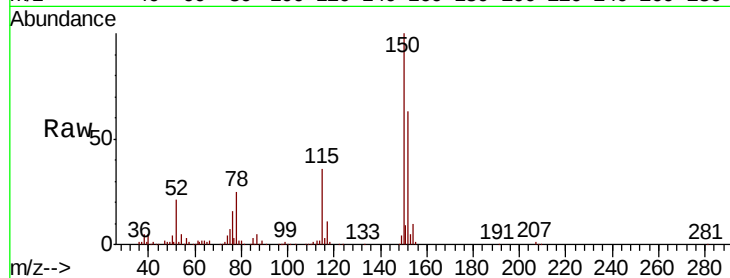
Tot Ion:152 Resp: 120892

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.8

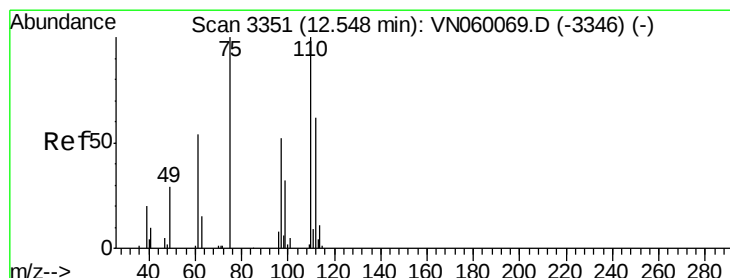
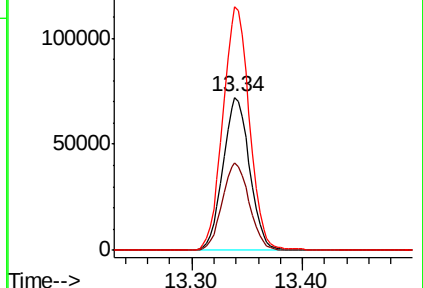
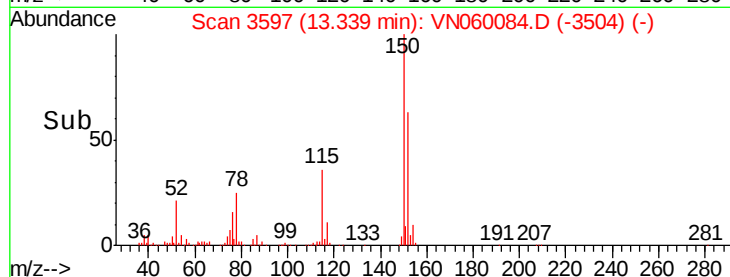
150 158.9 0.0 342.4



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: 28.467 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060084.D

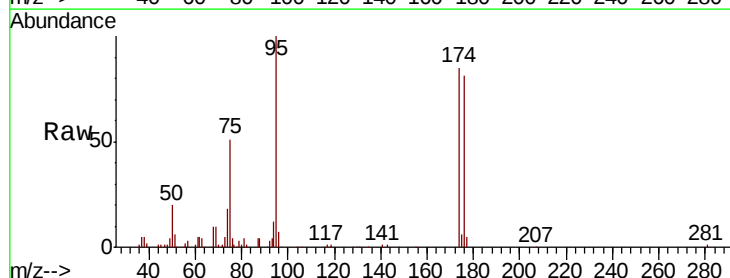
Acq: 13 Feb 2020 10:51

Tgt Ion: 75 Resp: 65843

Ion Ratio Lower Upper

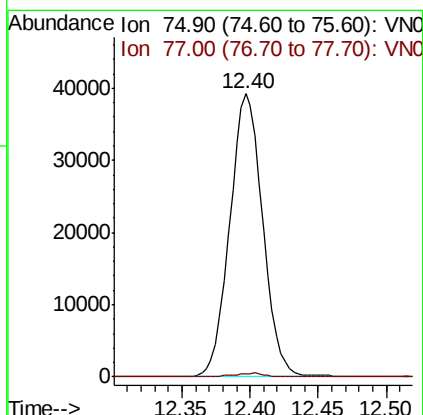
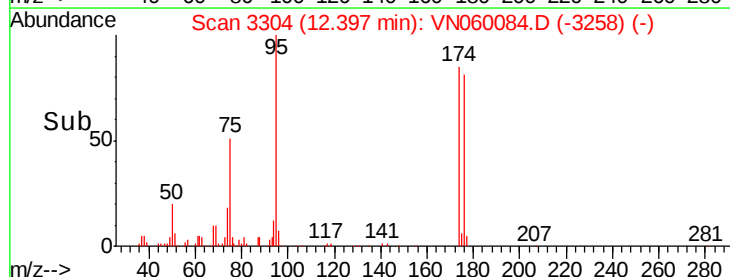
75 100

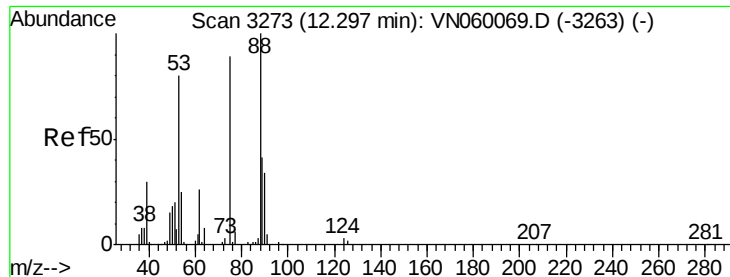
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

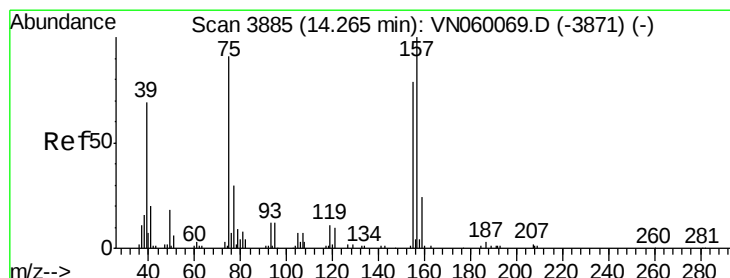
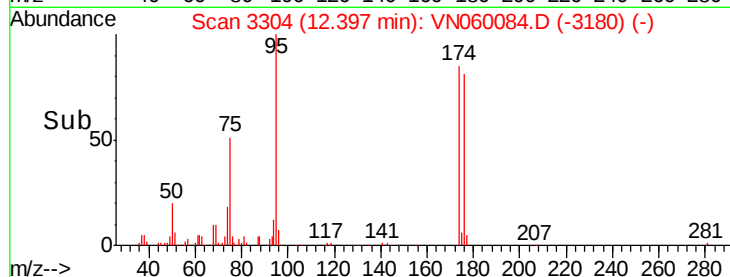
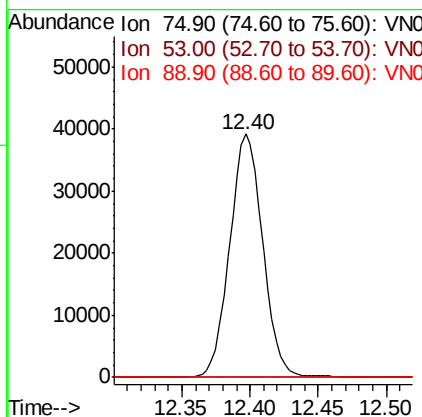
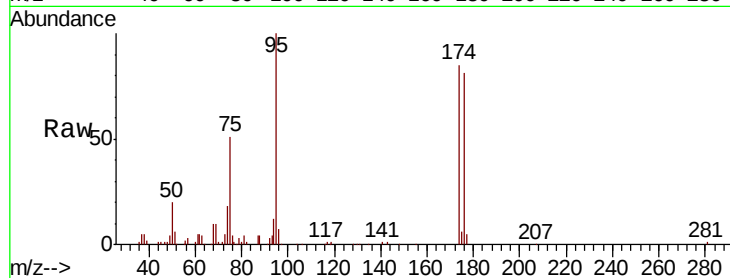




#81
trans-1,4-Dichloro-2-butene
Concen: 69.703 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060084.D
Acq: 13 Feb 2020 10:51

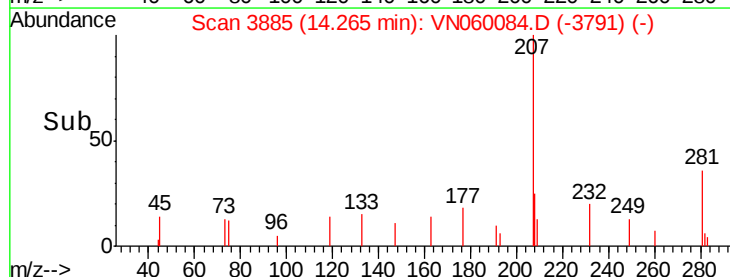
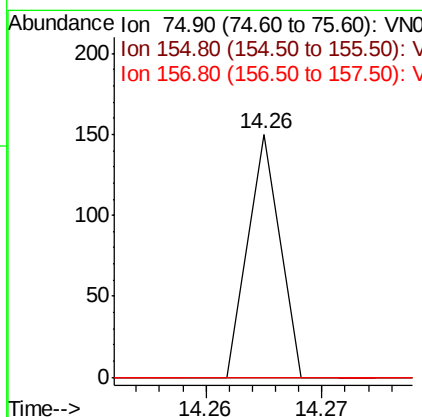
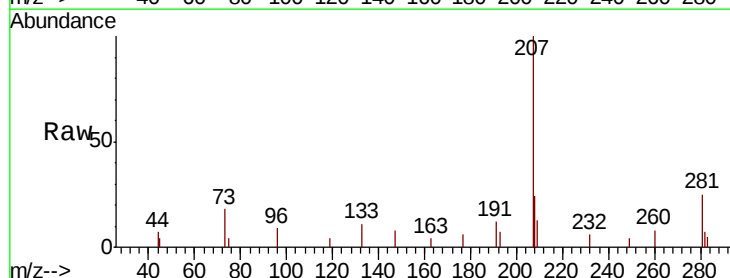
Instrument :
MSVOA_N
ClientSampled :

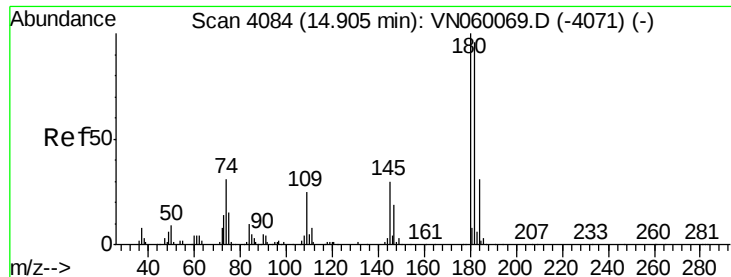
Tot Ion: 75 Resp: 65843
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3885
Delta R.T. 0.00 min
Lab File: VN060084.D
Acq: 13 Feb 2020 10:51

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#

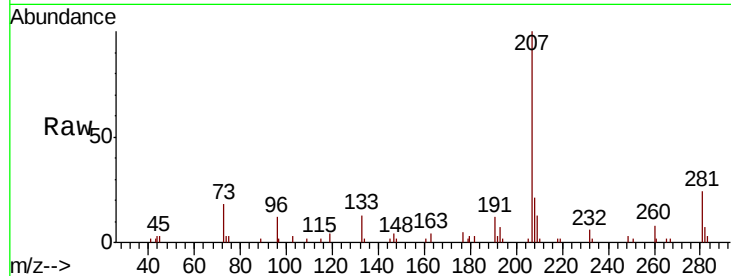




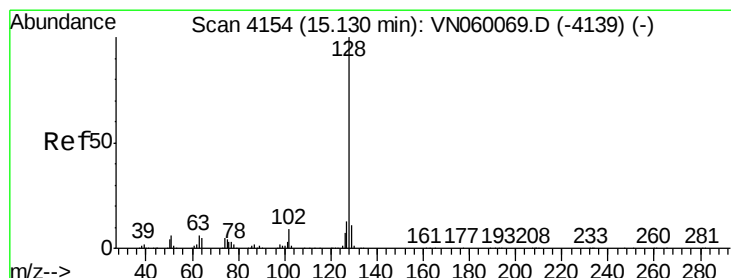
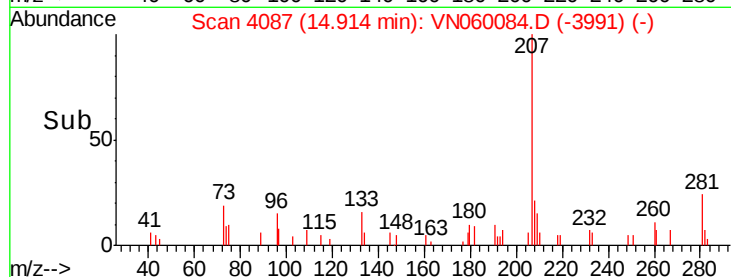
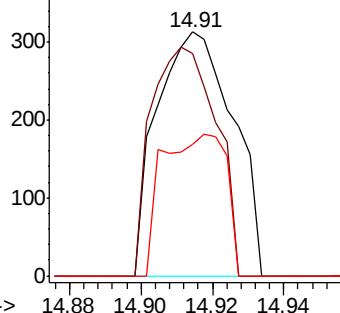
#93
 1,2,4-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN060084.D
 Acq: 13 Feb 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	79.8	47.9	143.8
145	48.6	15.2	45.5#

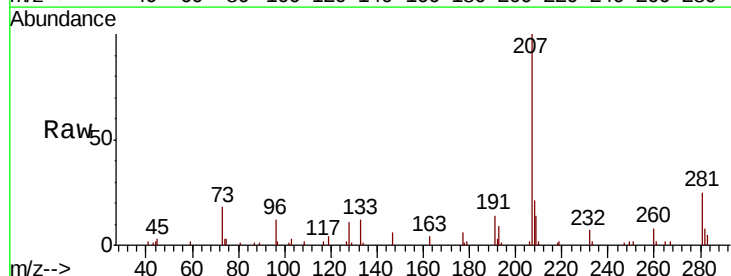


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

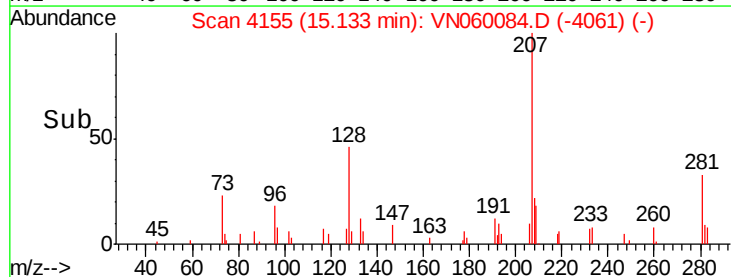
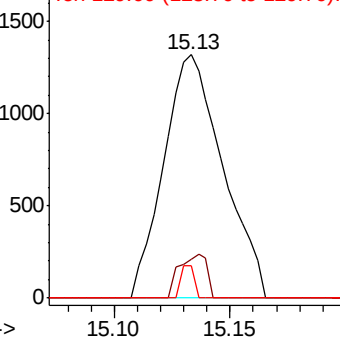


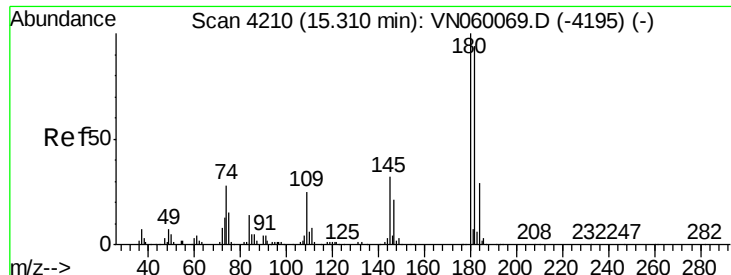
#95
 Naphthalene
 Concen: 0.380 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN060084.D
 Acq: 13 Feb 2020 10:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	8.4	10.3	15.5#
129	2.9	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: 0.346 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060084.D
 Acq: 13 Feb 2020 10:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.6	47.5	142.5
145	22.7	16.1	48.3

