

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022520\
 Data File : VN060220.D
 Acq On : 25 Feb 2020 9:34
 Operator : JC/MD
 Sample : VN0225MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Quant Time: Feb 25 15:44:29 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	191479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	298885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	109448	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	112582	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
35) Dibromofluoromethane	7.57	113	90745	49.39	ug/l	0.00
Spiked Amount			Recovery	=	98.78%	
50) Toluene-d8	10.08	98	357687	49.44	ug/l	0.00
Spiked Amount			Recovery	=	98.88%	
62) 4-Bromofluorobenzene	12.40	95	120254	45.23	ug/l	0.00
Spiked Amount			Recovery	=	90.46%	

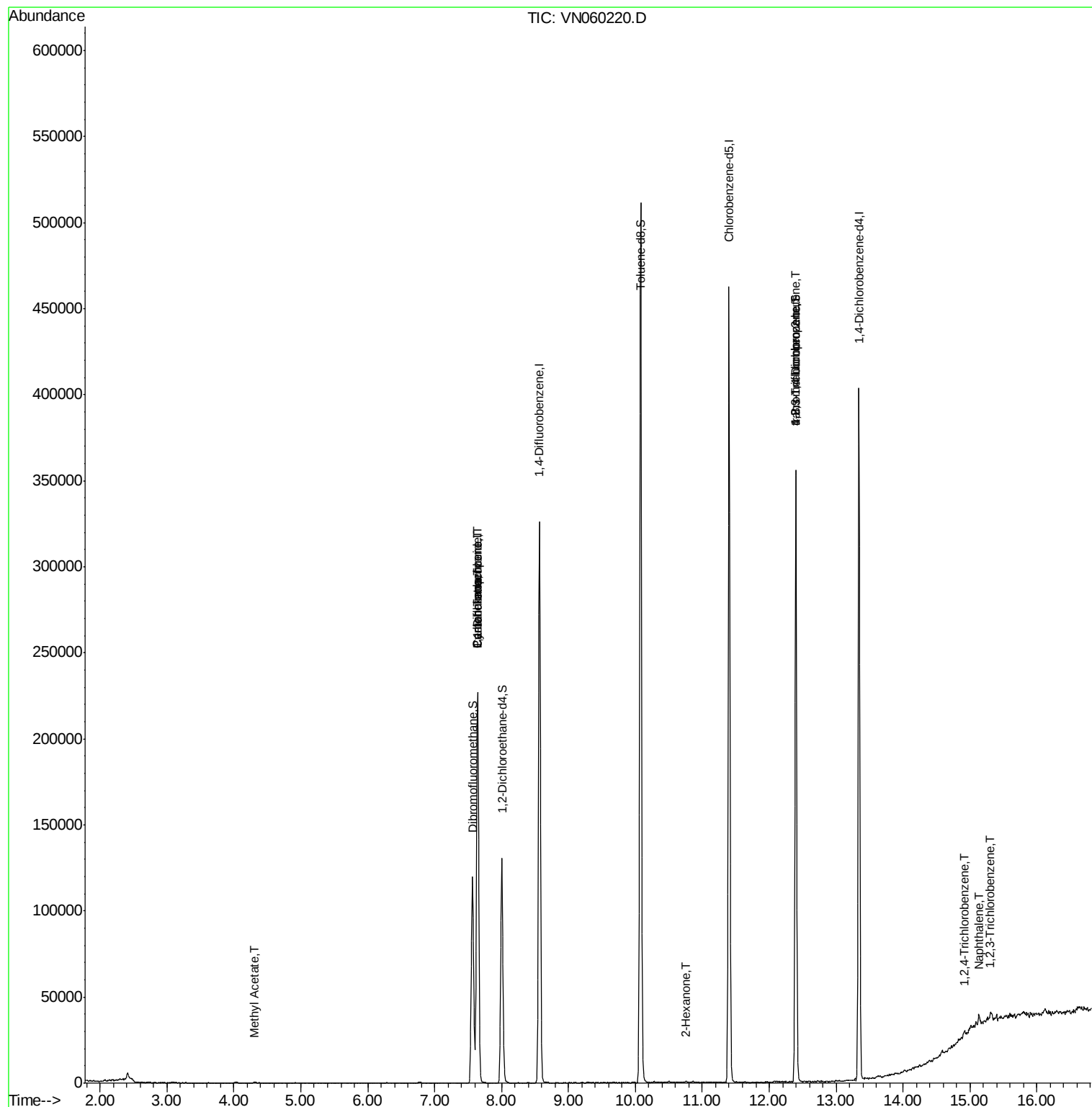
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.31	43	722	0.38	ug/l #	50
31) Cyclohexane	7.64	56	4015	1.22	ug/l #	29
36) 1,1-Dichloropropene	7.64	75	13564	4.90	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18333	6.10	ug/l #	15
59) 2-Hexanone	10.74	43	729	0.38	ug/l	71
76) 1,2,3-Trichloropropane	12.40	75	63040	30.11	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63040	73.71	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	68	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1133	0.55	ug/l	91
95) Naphthalene	15.14	128	4909	0.88	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1869	0.91	ug/l	92

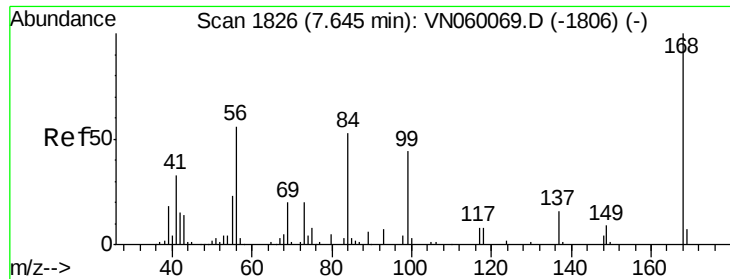
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022520\
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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: VN060220.D

Acq: 25 Feb 2020 9:34

Instrument :

MSVOA_N

ClientSampleId :

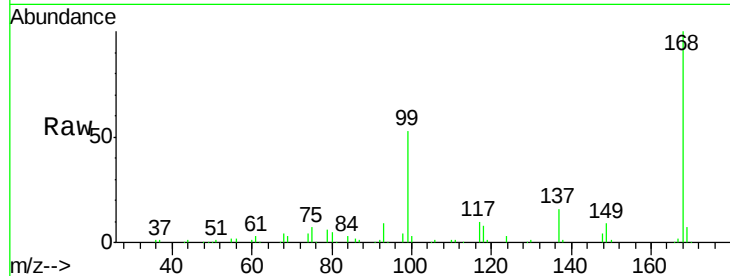
VN0225MBL01

Tgt Ion:168 Resp: 191479

Ion Ratio Lower Upper

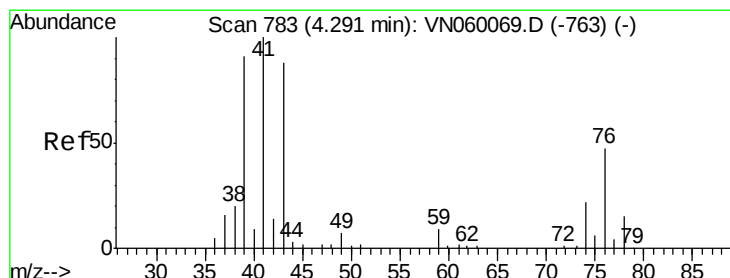
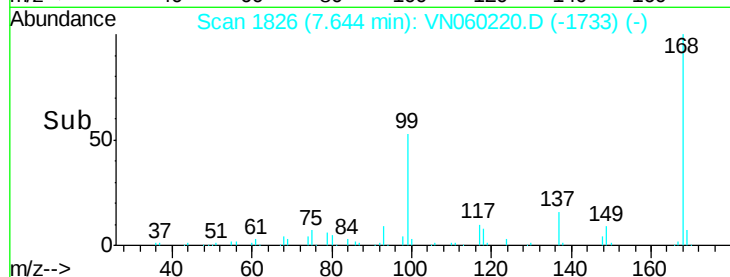
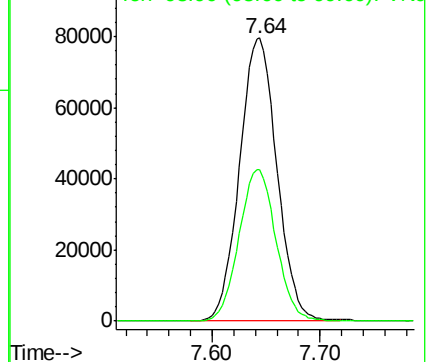
168 100

99 53.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#18

Methyl Acetate

Concen: 0.38 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.02 min

Lab File: VN060220.D

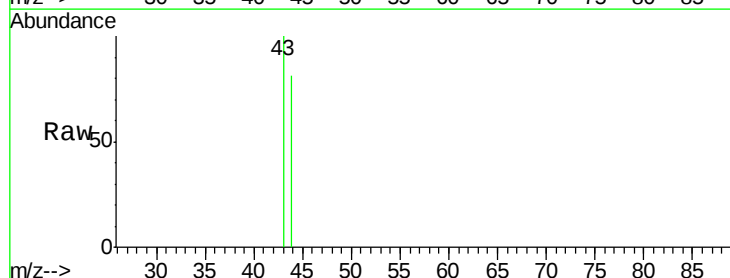
Acq: 25 Feb 2020 9:34

Tgt Ion: 43 Resp: 722

Ion Ratio Lower Upper

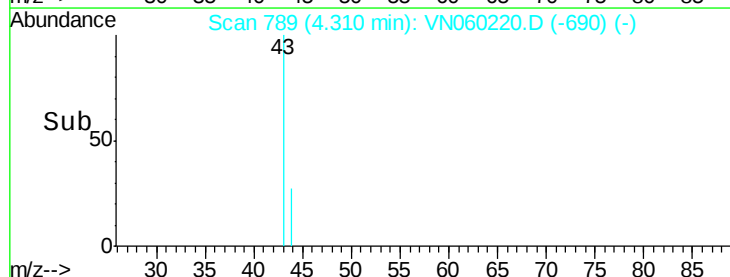
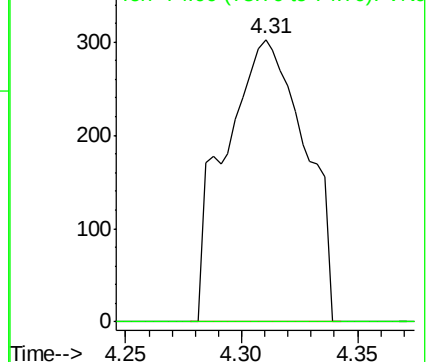
43 100

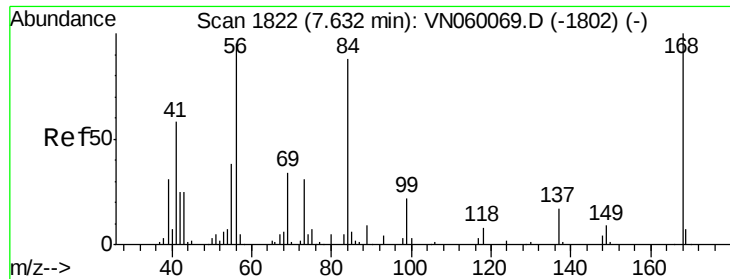
74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

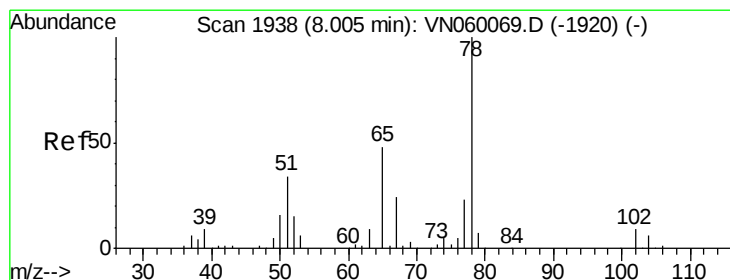
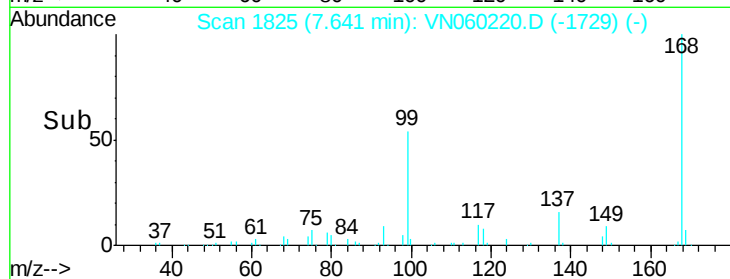
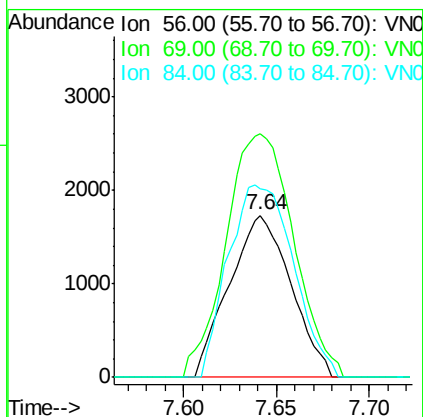
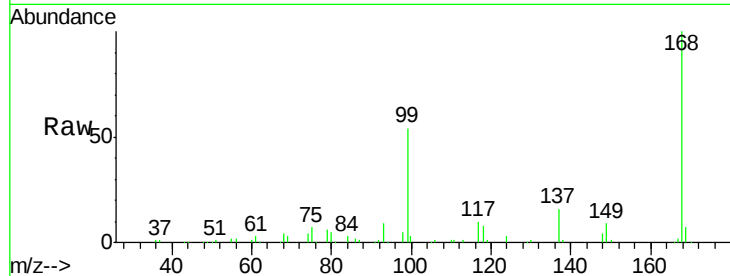




#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060220.D
Acq: 25 Feb 2020 9:34

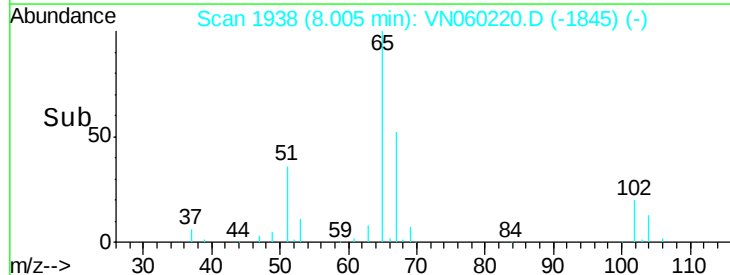
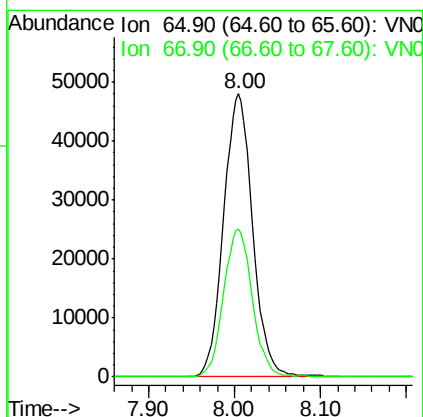
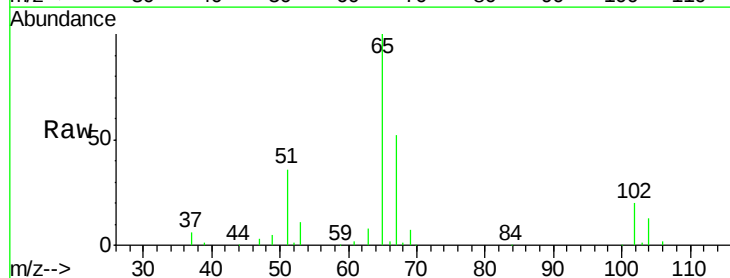
Instrument :
MSVOA_N
ClientSampled :
VN0225MBL01

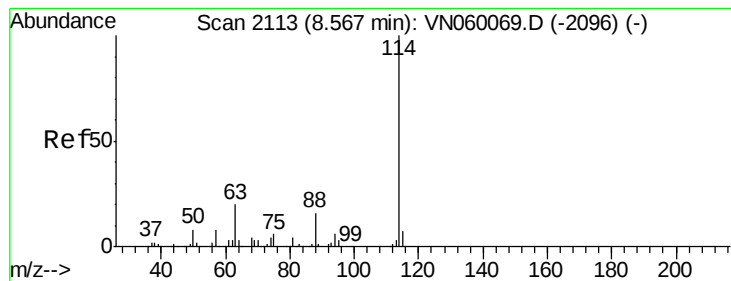
Tgt Ion: 56 Resp: 4015
Ion Ratio Lower Upper
56 100
69 141.7 28.3 42.5#
84 116.6 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 48.32 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN060220.D
Acq: 25 Feb 2020 9:34

Tgt Ion: 65 Resp: 112582
Ion Ratio Lower Upper
65 100
67 51.5 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: VN060220.D

Acq: 25 Feb 2020 9:34

Instrument :

MSVOA_N

ClientSampleId :

VN0225MBL01

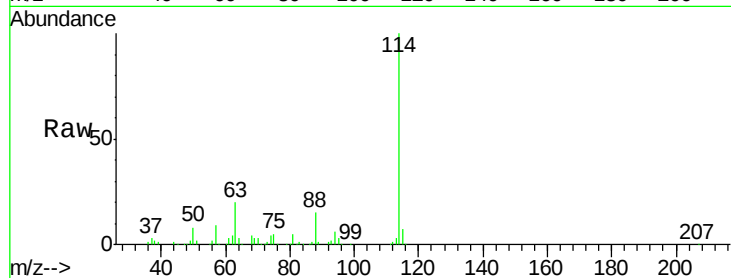
Tgt Ion:114 Resp: 298885

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

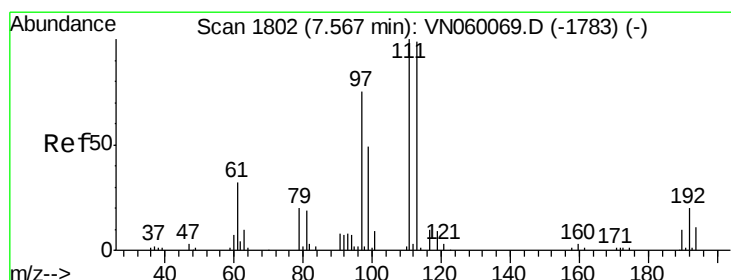
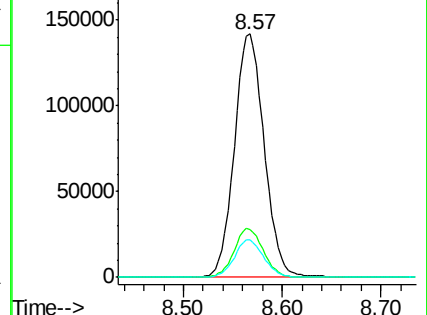
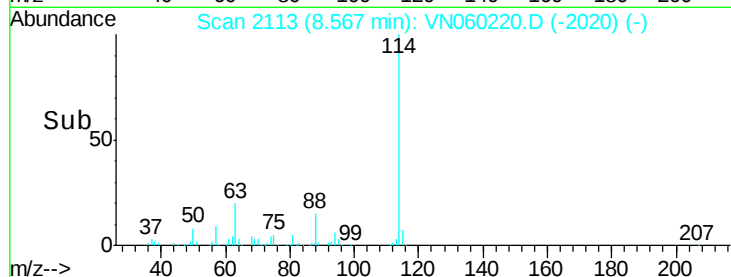
88 15.3 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.39 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN060220.D

Acq: 25 Feb 2020 9:34

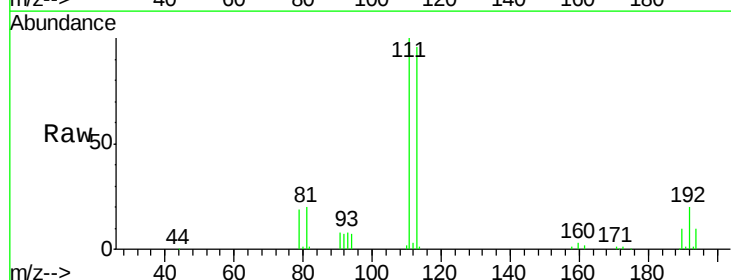
Tgt Ion:113 Resp: 90745

Ion Ratio Lower Upper

113 100

111 104.5 81.4 122.2

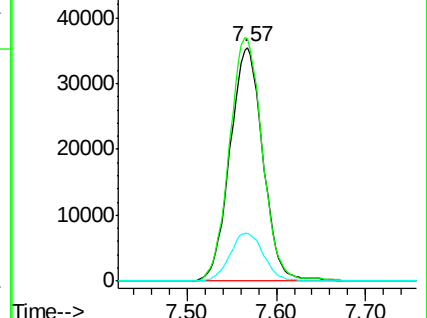
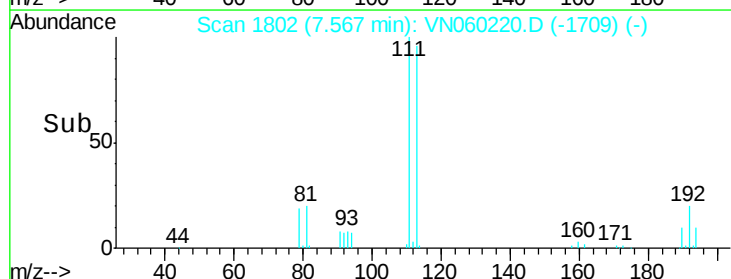
192 20.7 16.2 24.2

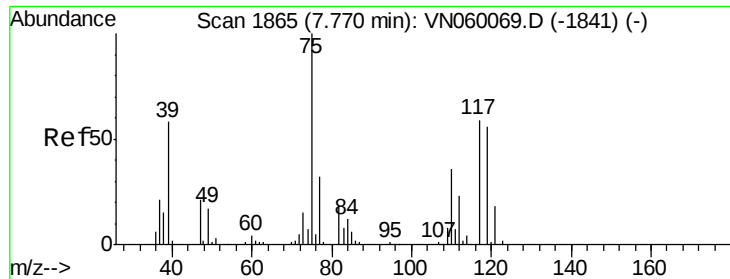


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

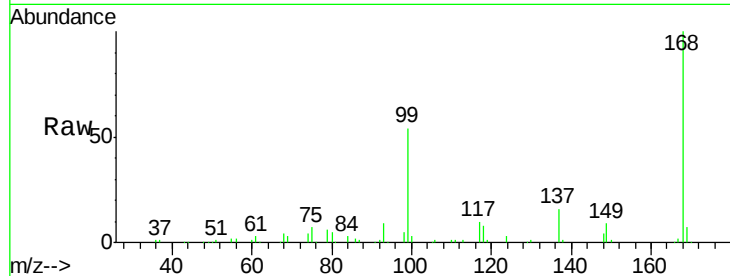




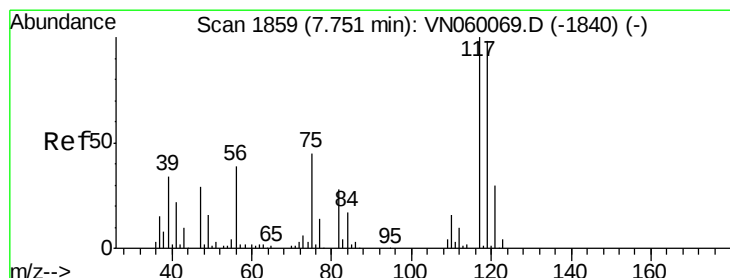
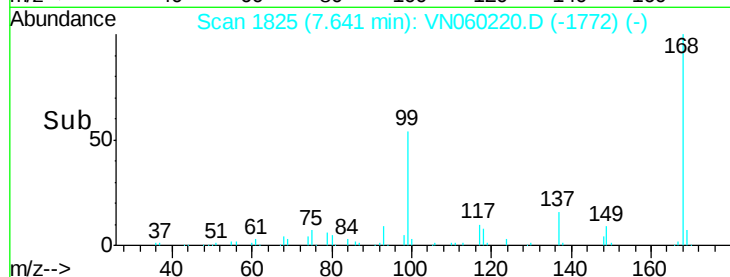
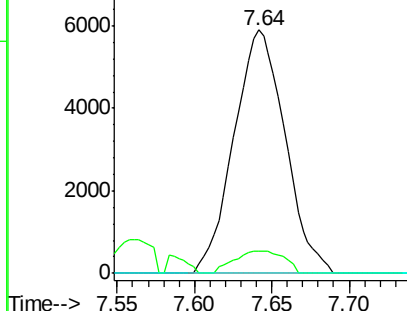
#36
 1,1-Dichloropropene
 Concen: 4.90 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060220.D
 Acq: 25 Feb 2020 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.3#
77	0.0	25.1	37.7#

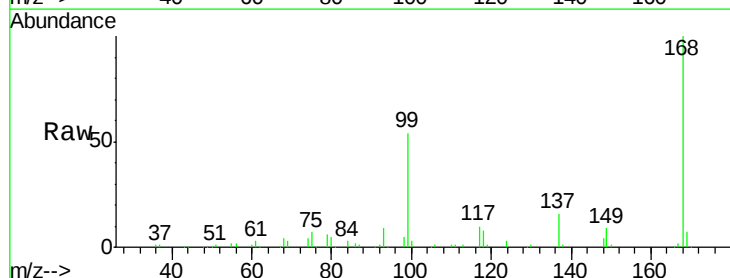


Abundance Ion 74.90 (74.60 to 75.60): VN060069.D (-1841) (-)
 Ion 109.90 (109.60 to 110.60): VN060069.D (-1841) (-)
 Ion 76.90 (76.60 to 77.60): VN060069.D (-1841) (-)

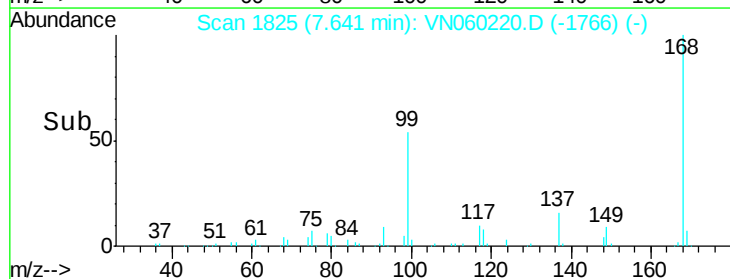
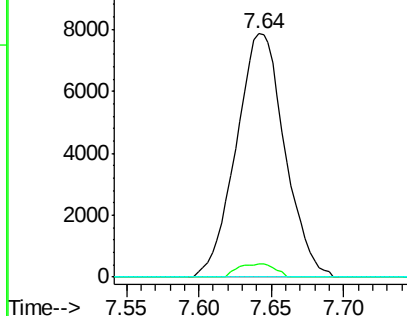


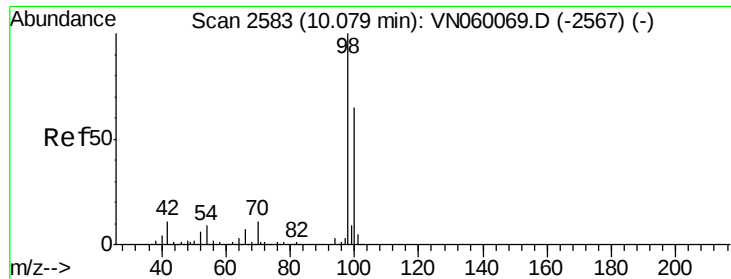
#38
 Carbon Tetrachloride
 Concen: 6.10 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060220.D
 Acq: 25 Feb 2020 9:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.5	78.2	117.4#
121	0.0	24.2	36.2#



Abundance Ion 116.80 (116.50 to 117.50): VN060069.D (-1840) (-)
 Ion 118.80 (118.50 to 119.50): VN060069.D (-1840) (-)
 Ion 120.80 (120.50 to 121.50): VN060069.D (-1840) (-)





#50

Toluene-d8

Concen: 49.44 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060220.D

Acq: 25 Feb 2020 9:34

Instrument :

MSVOA_N

ClientSampleId :

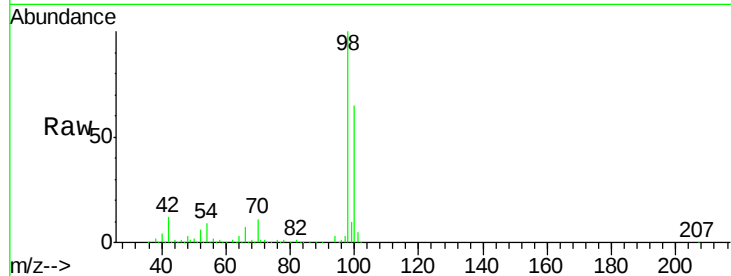
VN0225MBL01

Tgt Ion: 98 Resp: 357687

Ion Ratio Lower Upper

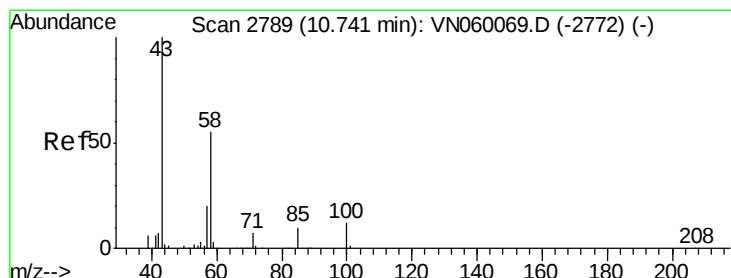
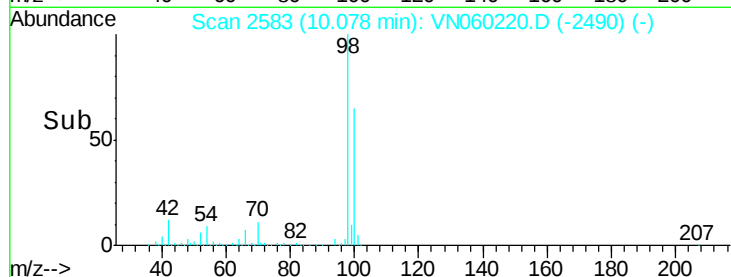
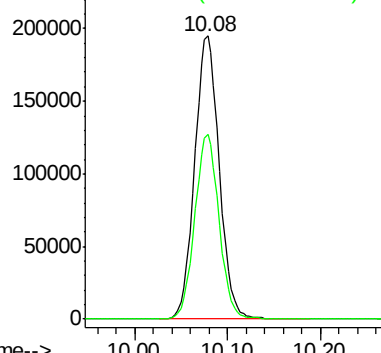
98 100

100 64.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#59

2-Hexanone

Concen: 0.38 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN060220.D

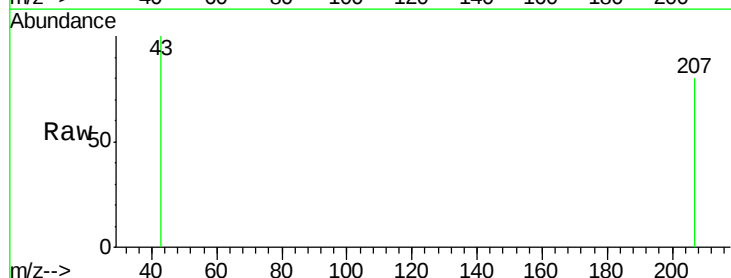
Acq: 25 Feb 2020 9:34

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

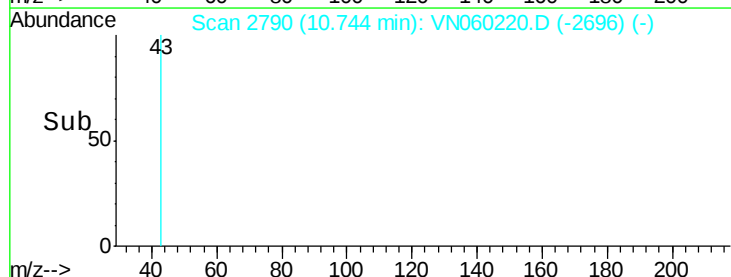
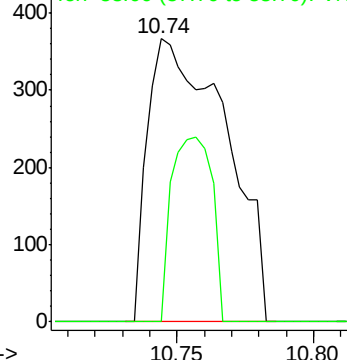
43 100

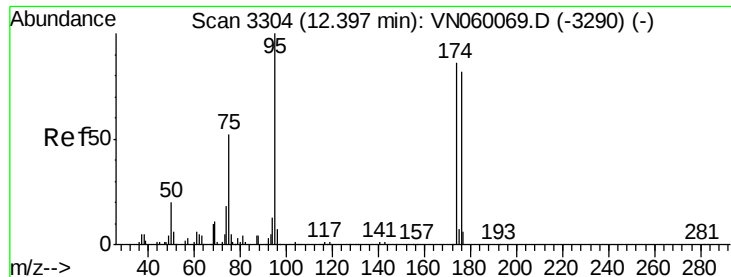
58 33.9 27.5 82.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 45.23 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060220.D

Acq: 25 Feb 2020 9:34

Instrument :

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ClientSampleId :

VN0225MBL01

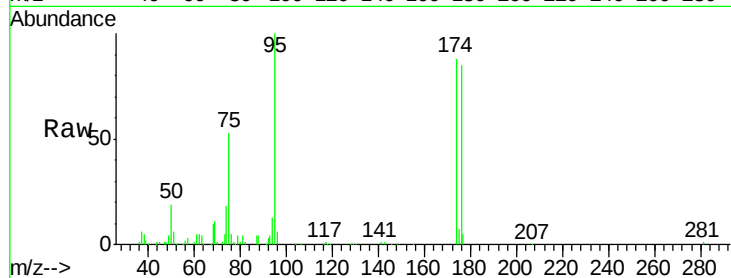
Tgt Ion: 95 Resp: 120254

Ion Ratio Lower Upper

95 100

174 87.0 0.0 169.8

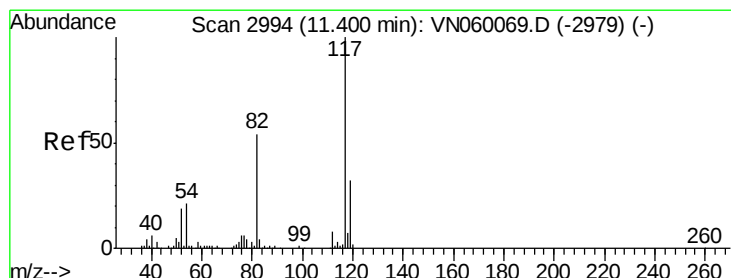
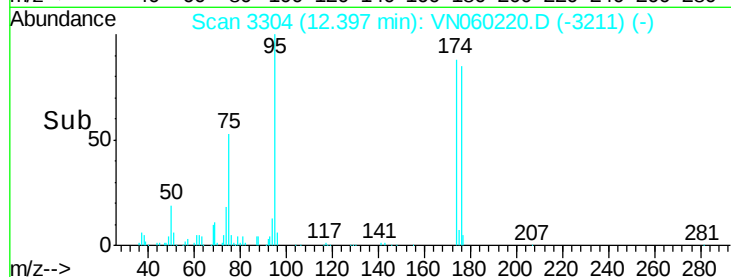
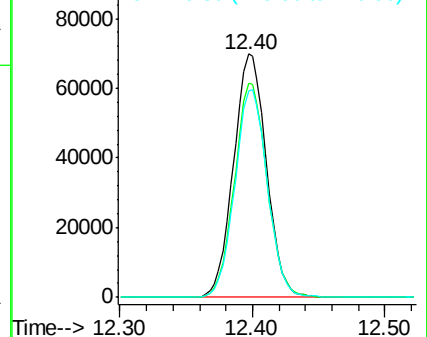
176 84.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060220.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060220.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060220.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060220.D

Acq: 25 Feb 2020 9:34

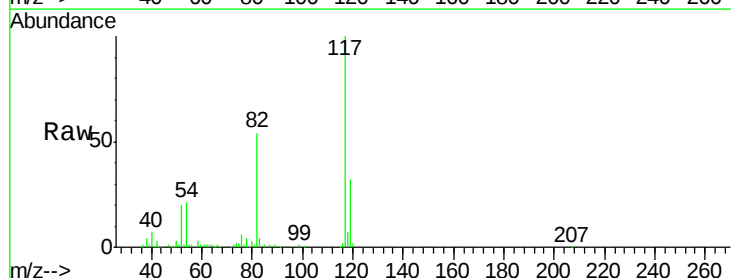
Tgt Ion: 117 Resp: 272058

Ion Ratio Lower Upper

117 100

82 53.7 43.4 65.0

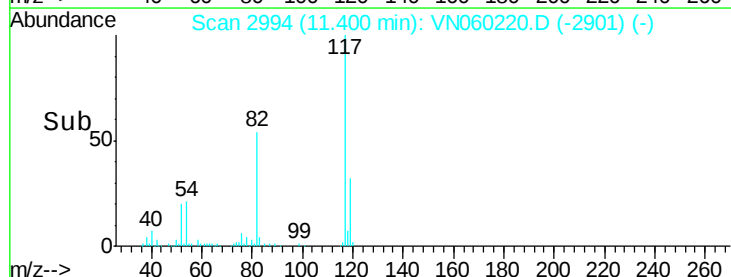
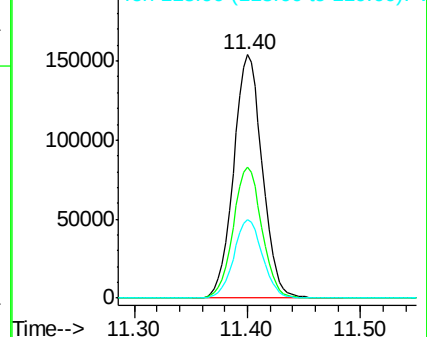
119 32.1 25.8 38.6

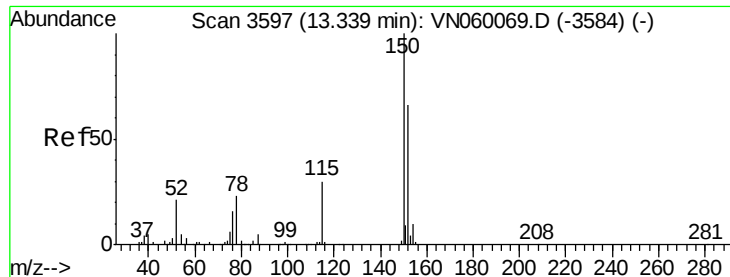


Abundance Ion 116.90 (116.60 to 117.60): VN060220.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060220.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060220.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN060220.D

Acq: 25 Feb 2020 9:34

Instrument :

MSVOA_N

ClientSampled :

VN0225MBL01

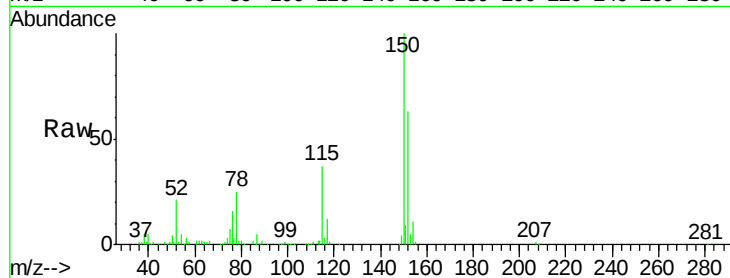
Tgt Ion:152 Resp: 109448

Ion Ratio Lower Upper

152 100

115 58.5 28.9 86.8

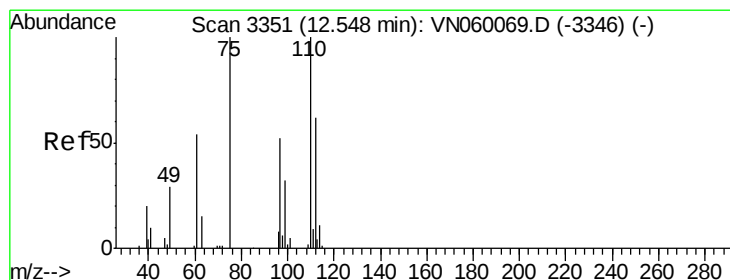
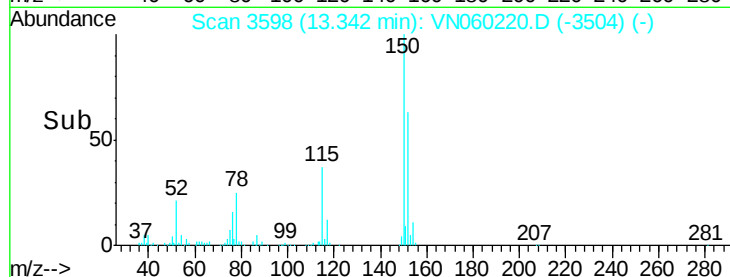
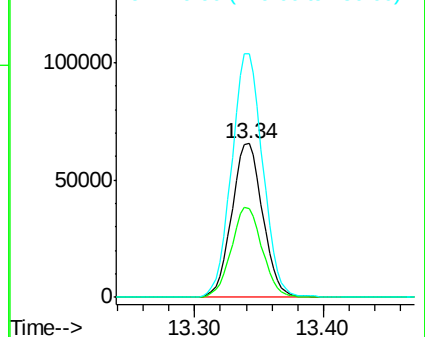
150 159.0 0.0 342.4



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: 30.11 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060220.D

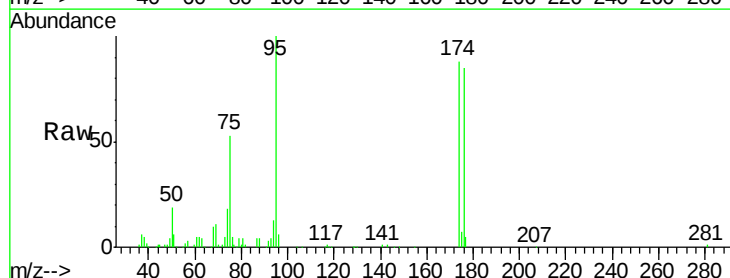
Acq: 25 Feb 2020 9:34

Tgt Ion: 75 Resp: 63040

Ion Ratio Lower Upper

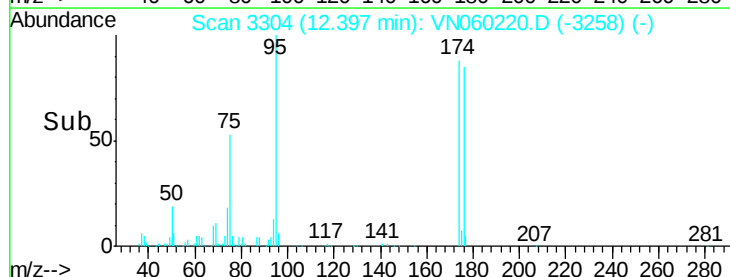
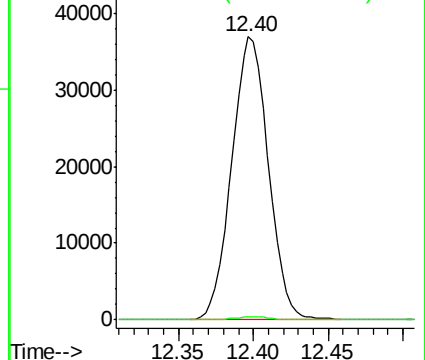
75 100

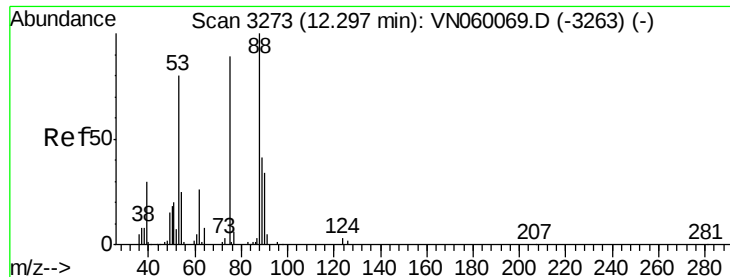
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

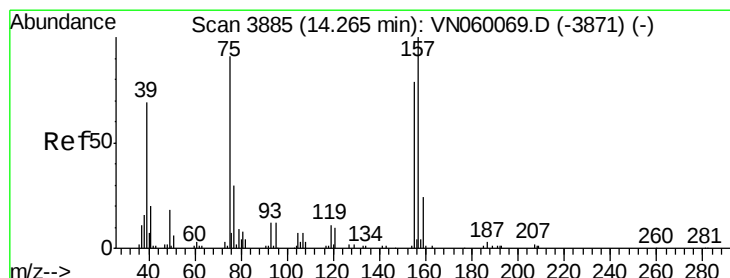
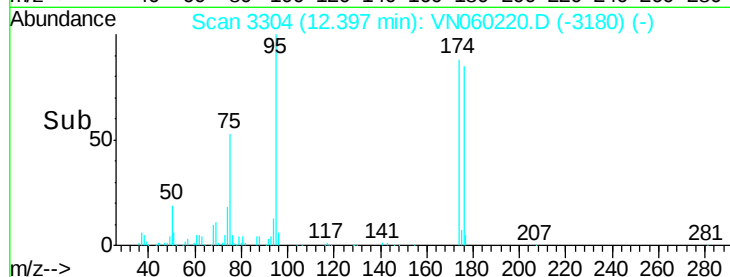
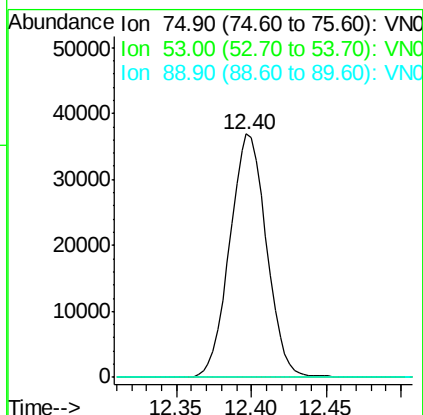
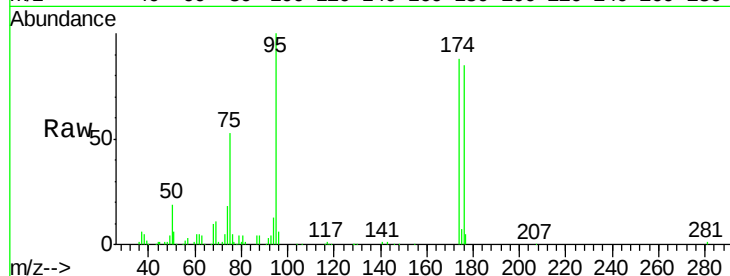




#81
trans-1,4-Dichloro-2-butene
Concen: 73.71 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060220.D
Acq: 25 Feb 2020 9:34

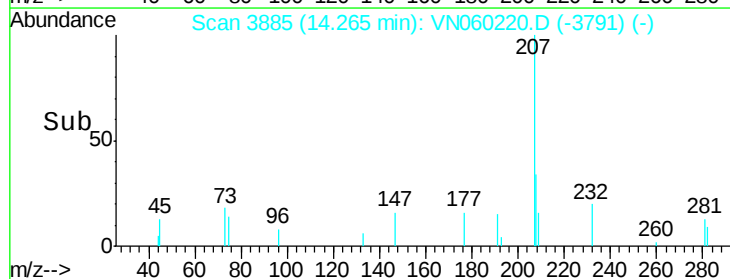
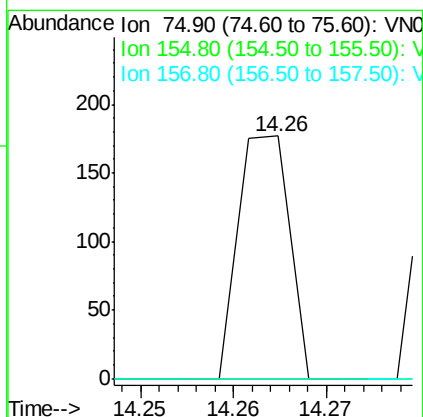
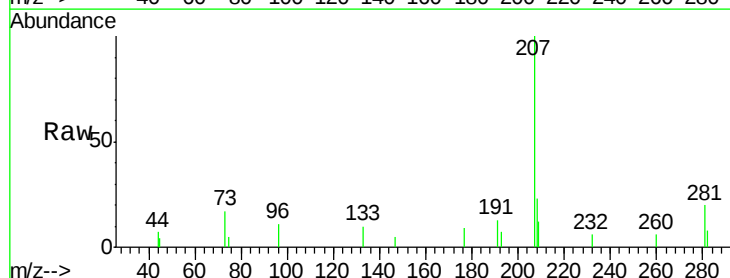
Instrument :
MSVOA_N
ClientSampleId :
VN0225MBL01

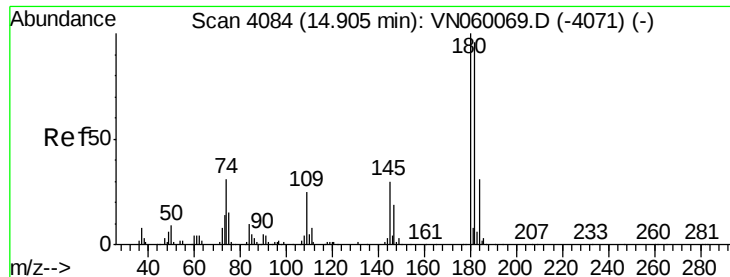
Tgt Ion: 75 Resp: 63040
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3885
Delta R.T. 0.00 min
Lab File: VN060220.D
Acq: 25 Feb 2020 9:34

Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

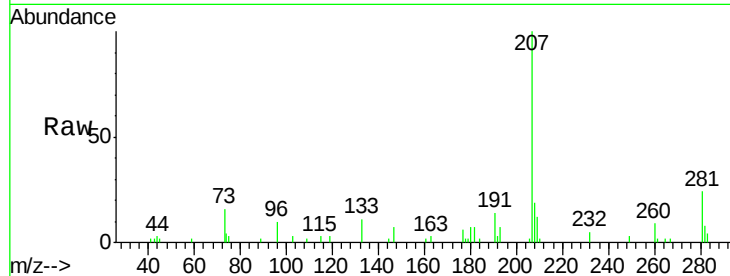




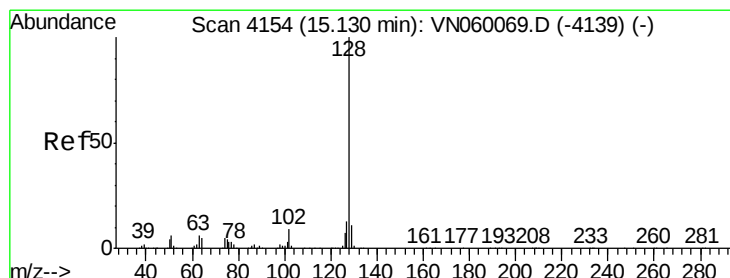
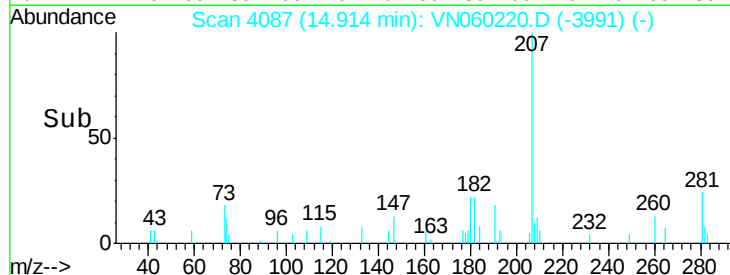
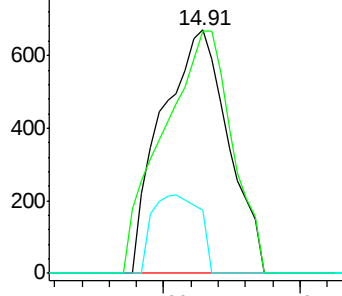
#93
 1,2,4-Trichlorobenzene
 Concen: 0.55 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN060220.D
 Acq: 25 Feb 2020 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Tgt Ion:180 Resp: 1133
 Ion Ratio Lower Upper
 180 100
 182 102.8 47.9 143.8
 145 23.0 15.2 45.5

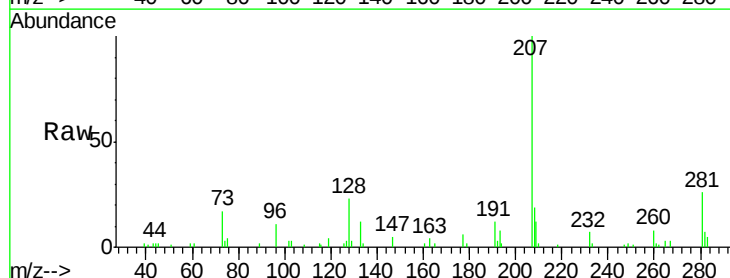


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

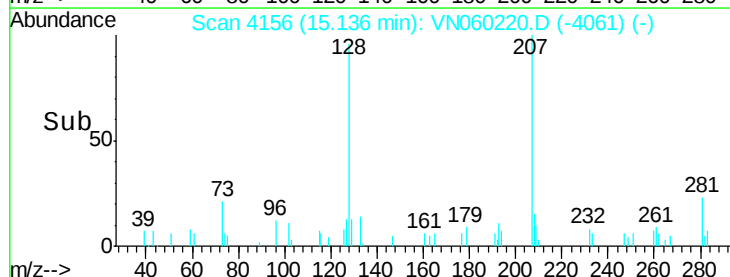
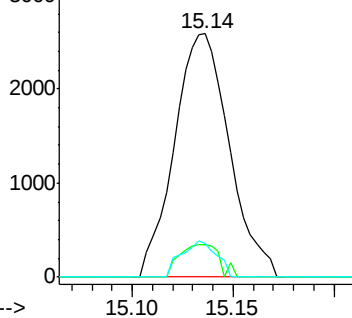


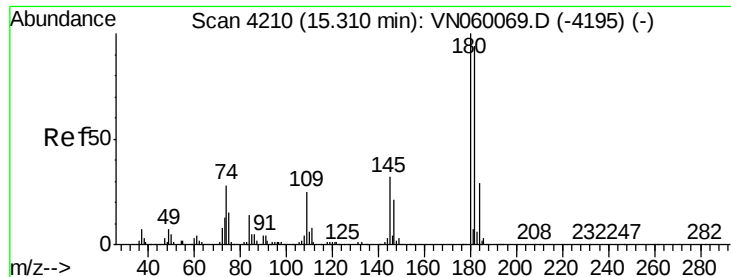
#95
 Naphthalene
 Concen: 0.88 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN060220.D
 Acq: 25 Feb 2020 9:34

Tgt Ion:128 Resp: 4909
 Ion Ratio Lower Upper
 128 100
 127 9.8 10.3 15.5#
 129 9.6 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

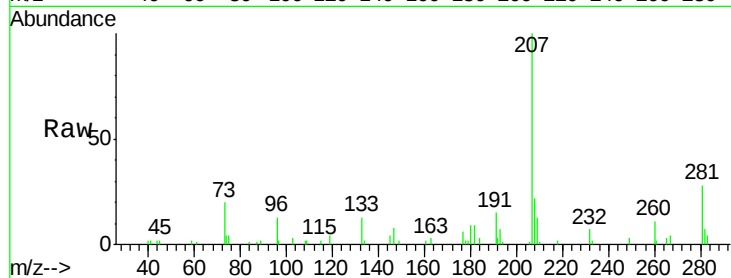




#96
 1,2,3-Trichlorobenzene
 Concen: 0.91 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060220.D
 Acq: 25 Feb 2020 9:34

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0225MBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.6	47.5	142.5
145	33.4	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

