

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031020\
 Data File : VN060407.D
 Acq On : 10 Mar 2020 11:12
 Operator : JC/MD
 Sample : VN0310WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBL01

Quant Time: Mar 11 06:38:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

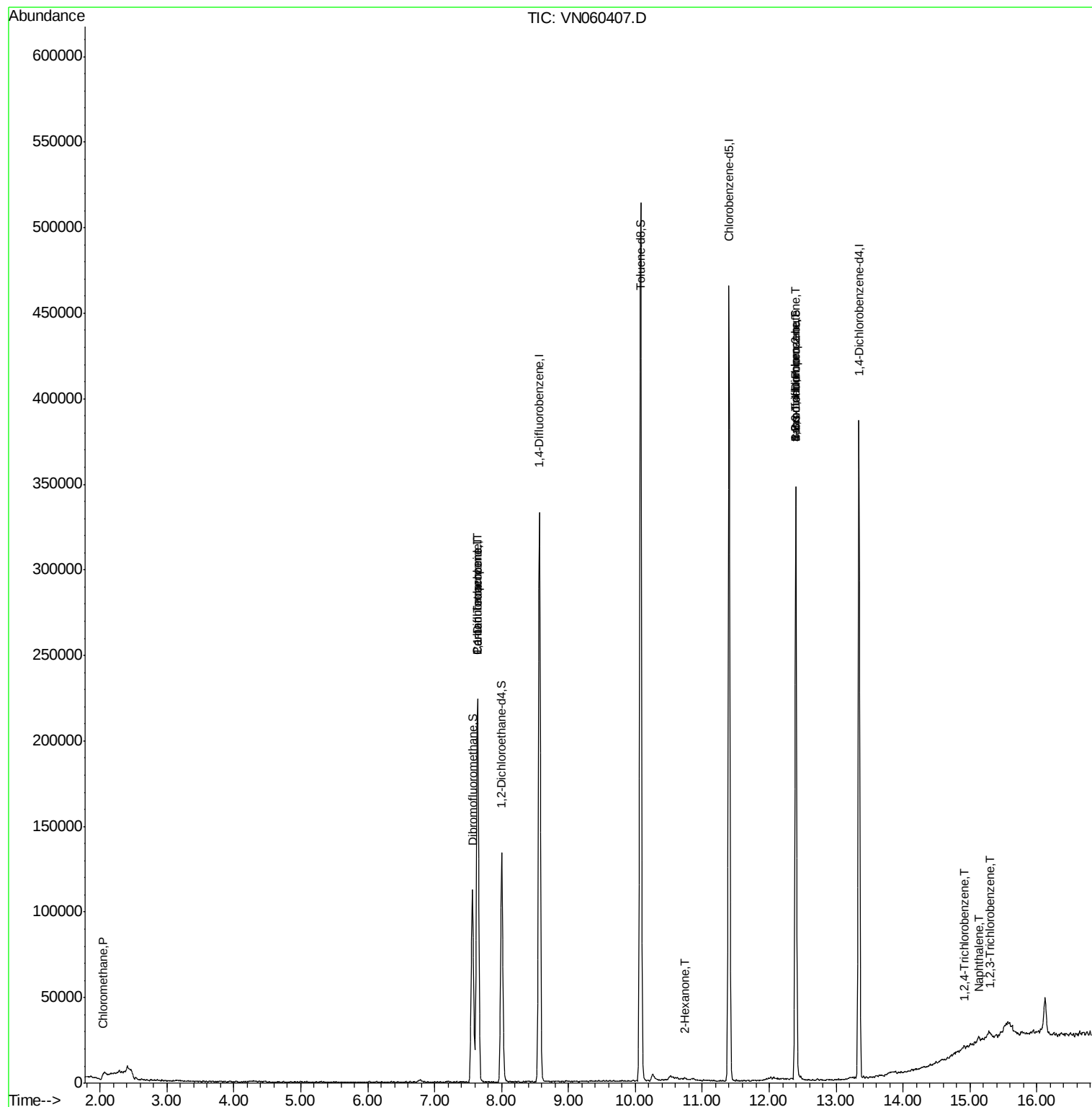
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	183995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	296127	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	263723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	102109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	114729	48.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.20%	
35) Dibromofluoromethane	7.56	113	87060	63.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	126.68%	
50) Toluene-d8	10.08	98	360643	51.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.68%	
62) 4-Bromofluorobenzene	12.40	95	120130	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	963	0.328 ug/l	#	86
17) Carbon Disulfide	4.03	76	428	Below Cal	#	75
21) trans-1,2-Dichloroethene	5.02	96	30	Below Cal	#	1
31) Cyclohexane	7.64	56	3843	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14244	5.047 ug/l	#	50
38) Carbon Tetrachloride	7.64	117	17315	6.301 ug/l	#	15
59) 2-Hexanone	10.74	43	560	0.288 ug/l	#	41
71) Bromoform	12.40	173	653	0.460 ug/l	#	1
76) 1,2,3-Trichloropropane	12.40	75	61907	27.634 ug/l	#	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61907	76.282 ug/l	#	8
87) 1,3-Dichlorobenzene	13.28	146	262	Below Cal	#	46
88) 1,4-Dichlorobenzene	13.36	146	466	Below Cal	#	25
93) 1,2,4-Trichlorobenzene	14.90	180	642	0.399 ug/l		93
94) Hexachlorobutadiene	15.00	225	214	Below Cal	#	65
95) Naphthalene	15.14	128	3027	0.227 ug/l	#	92
96) 1,2,3-Trichlorobenzene	15.31	180	896	0.280 ug/l		94

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

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 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: VN060407.D

Acq: 10 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

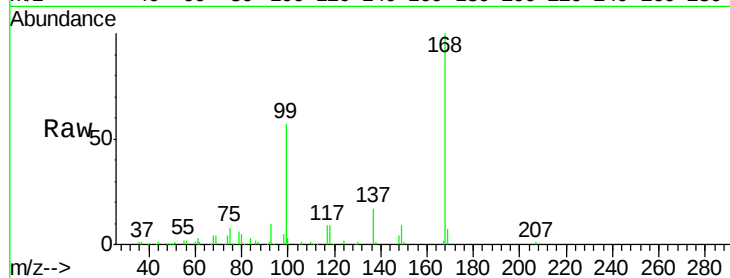
VN0310WBL01

Tgt Ion:168 Resp: 183995

Ion Ratio Lower Upper

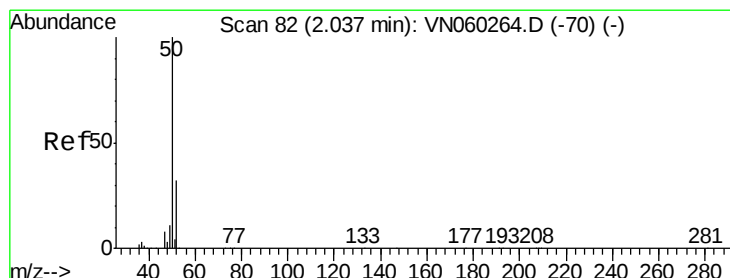
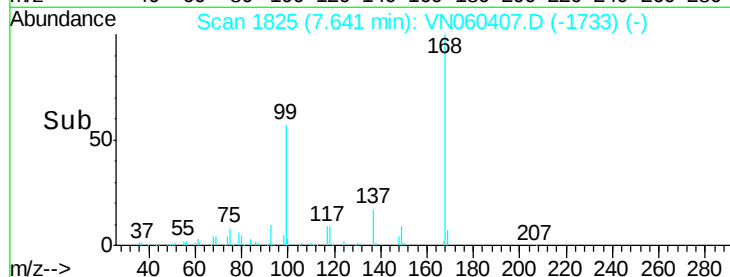
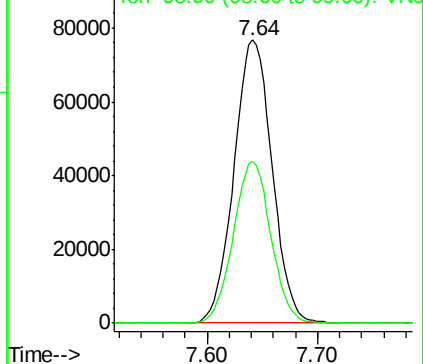
168 100

99 57.1 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.328 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN060407.D

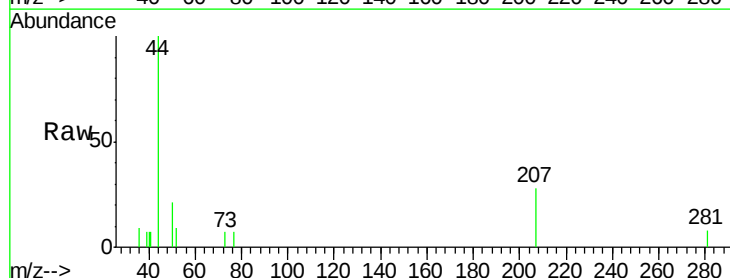
Acq: 10 Mar 2020 11:12

Tgt Ion: 50 Resp: 963

Ion Ratio Lower Upper

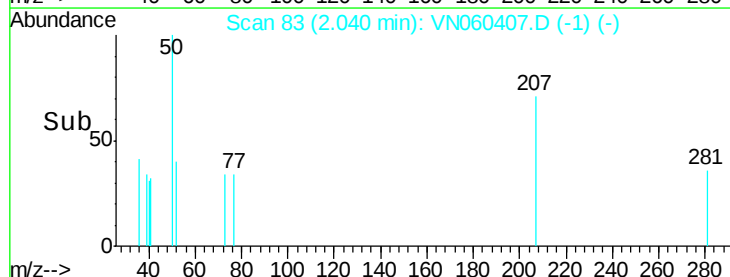
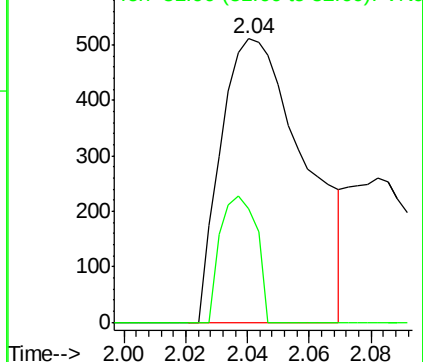
50 100

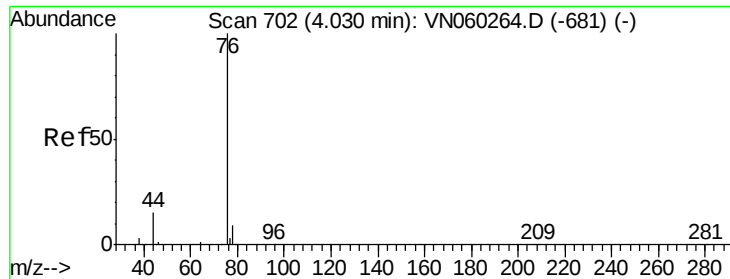
52 39.9 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060407.D

Acq: 10 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

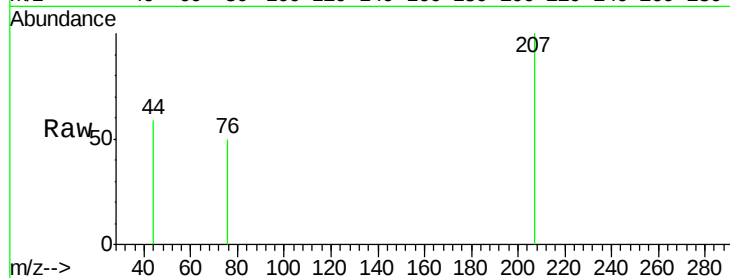
VN0310WBL01

Tgt Ion: 76 Resp: 428

Ion Ratio Lower Upper

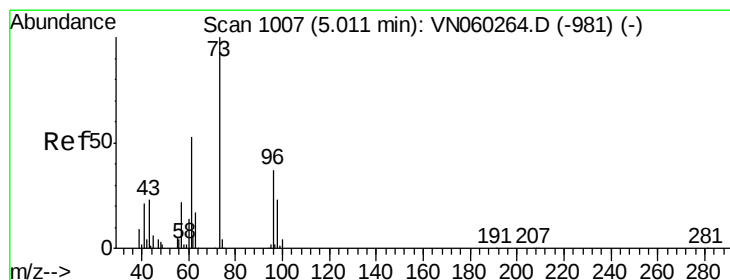
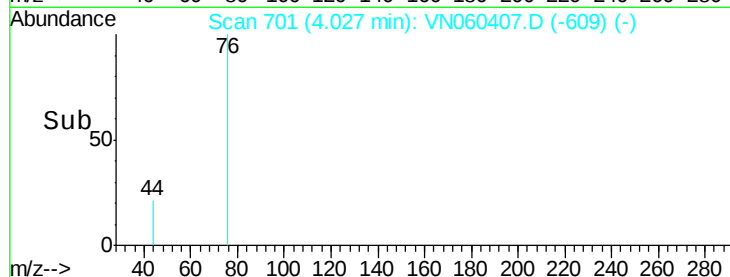
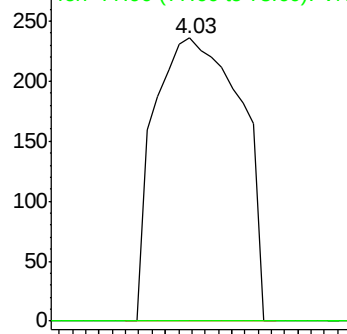
76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.02 min Scan# 1010

Delta R.T. 0.01 min

Lab File: VN060407.D

Acq: 10 Mar 2020 11:12

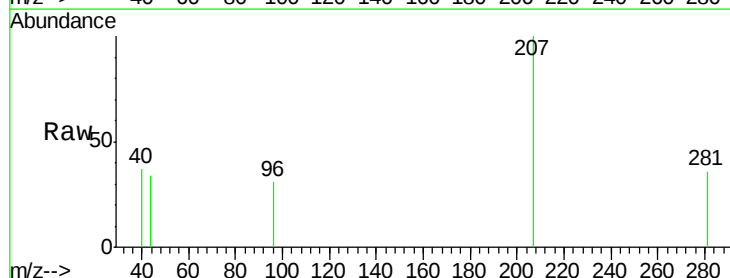
Tgt Ion: 96 Resp: 30

Ion Ratio Lower Upper

96 100

61 0.0 113.8 170.8#

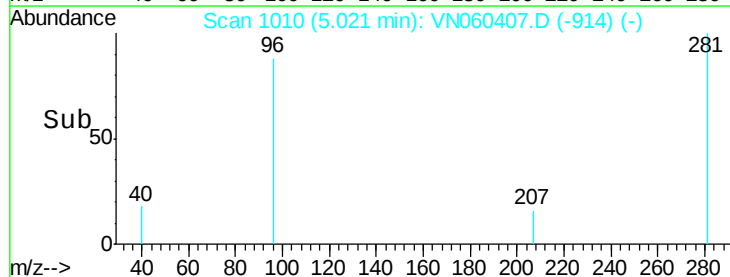
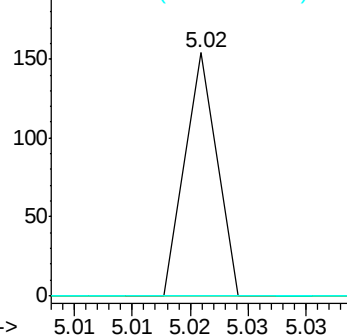
98 0.0 48.8 73.2#

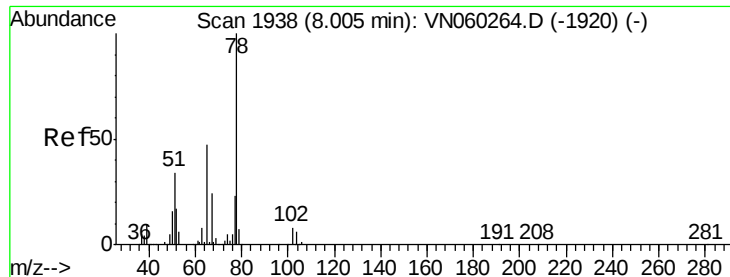


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

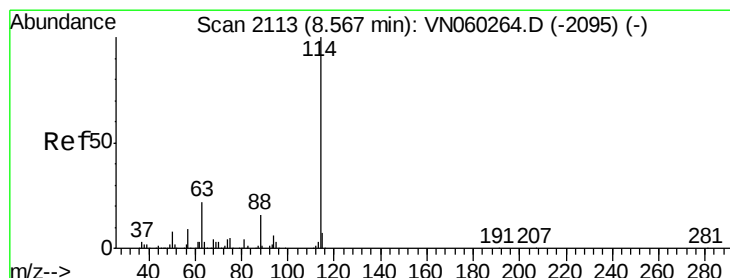
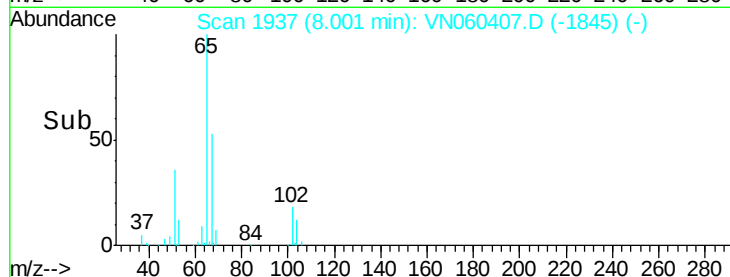
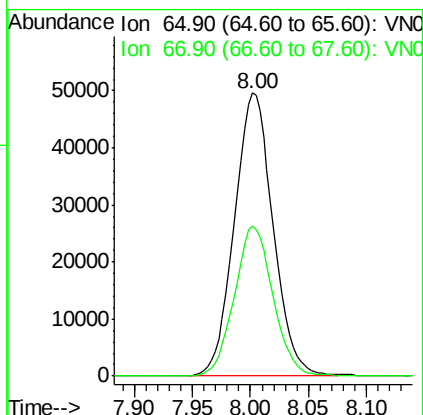
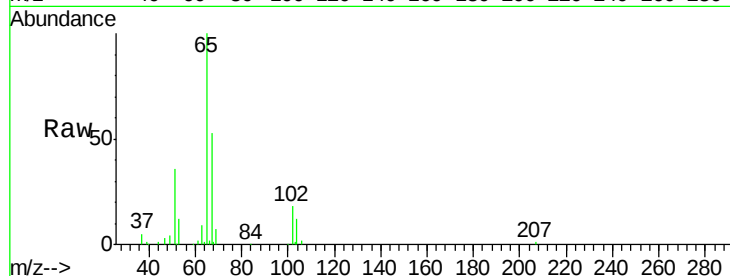




#33
 1,2-Dichloroethane-d4
 Concen: 48.600 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060407.D
 Acq: 10 Mar 2020 11:12

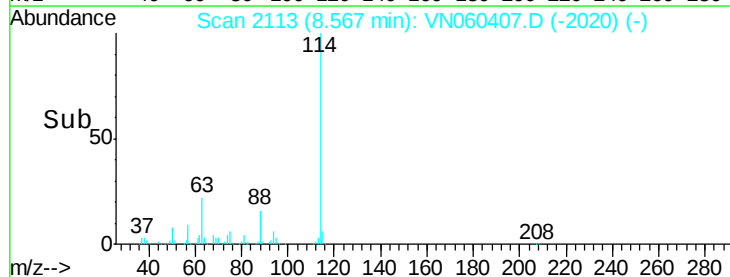
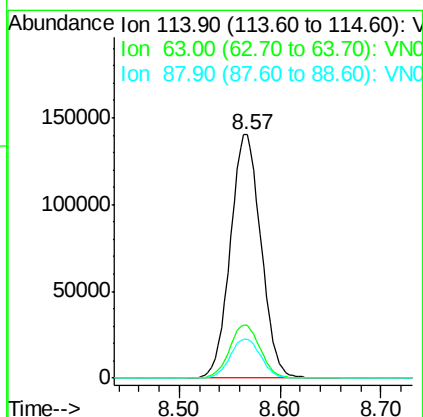
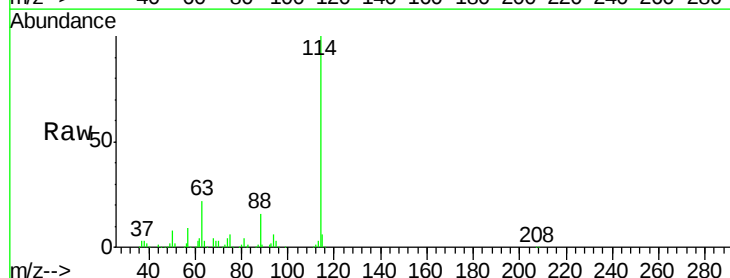
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBL01

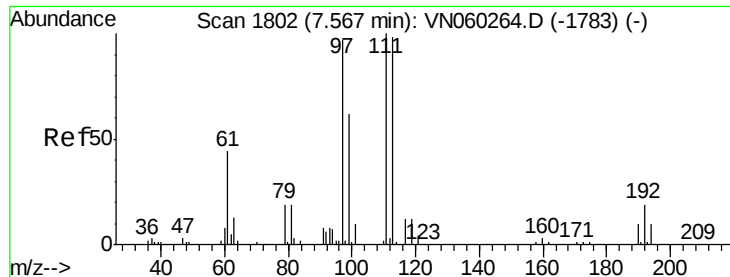
Tgt Ion: 65 Resp: 114729
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060407.D
 Acq: 10 Mar 2020 11:12

Tgt Ion: 114 Resp: 296127
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.2
 88 16.1 0.0 31.6

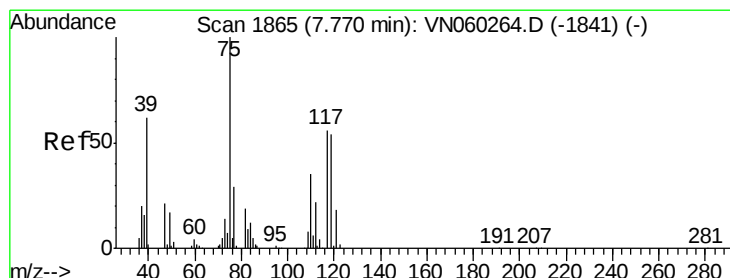
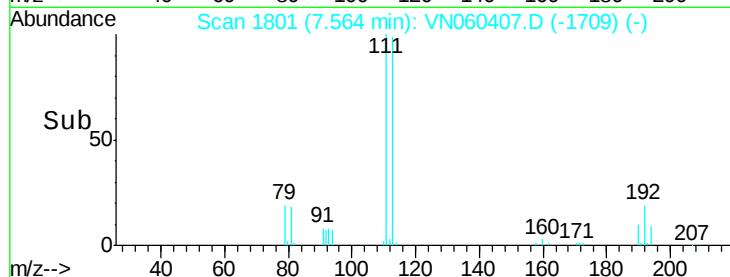
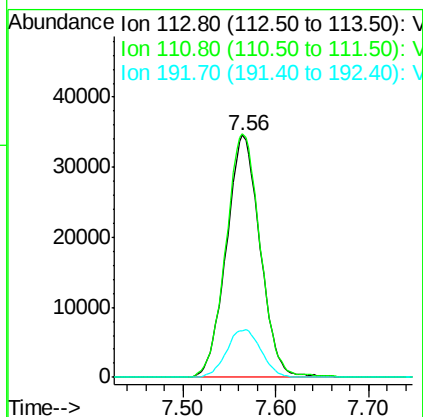
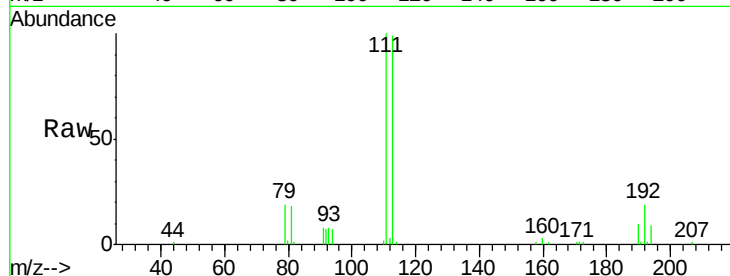




#35
Dibromofluoromethane
Concen: 63.338 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

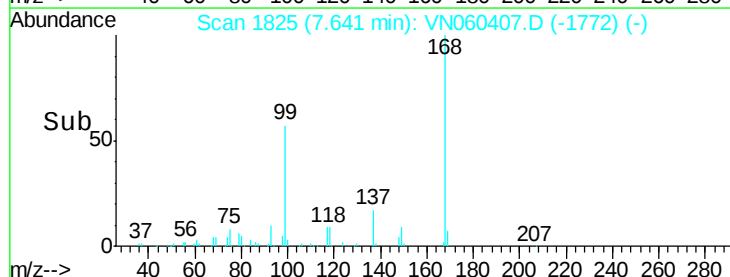
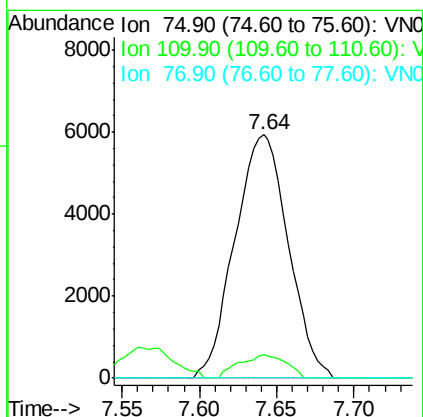
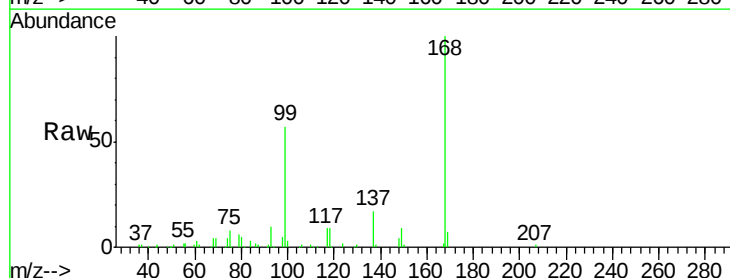
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

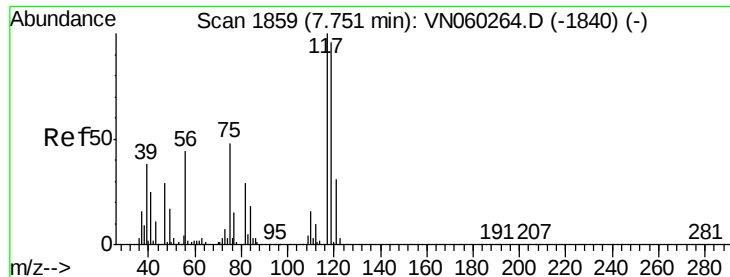
Tgt Ion:113 Resp: 87060
Ion Ratio Lower Upper
113 100
111 101.8 82.4 123.6
192 20.1 16.2 24.2



#36
1,1-Dichloropropene
Concen: 5.047 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

Tgt Ion: 75 Resp: 14244
Ion Ratio Lower Upper
75 100
110 8.4 17.3 52.0#
77 0.0 24.2 36.2#

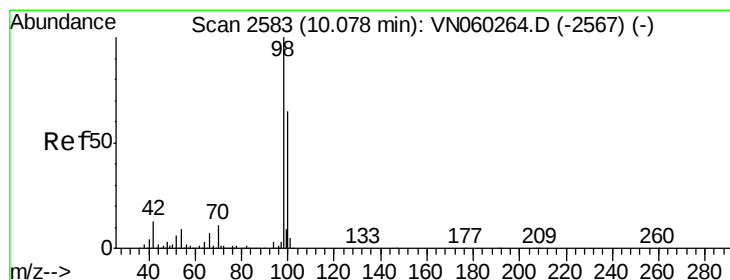
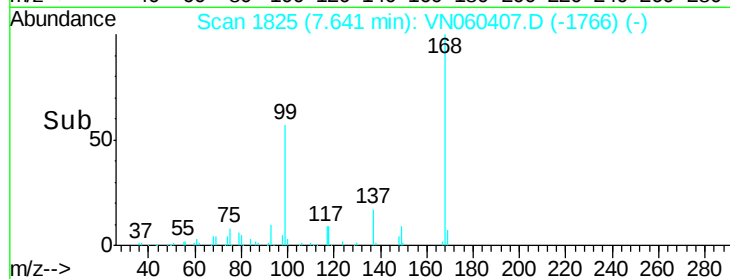
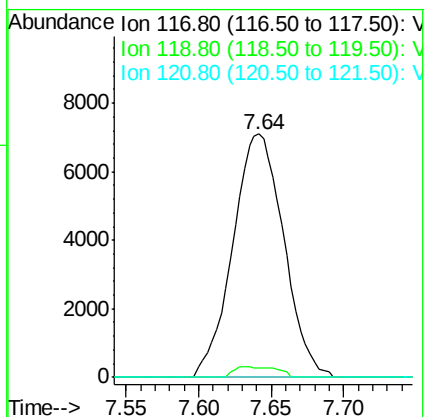
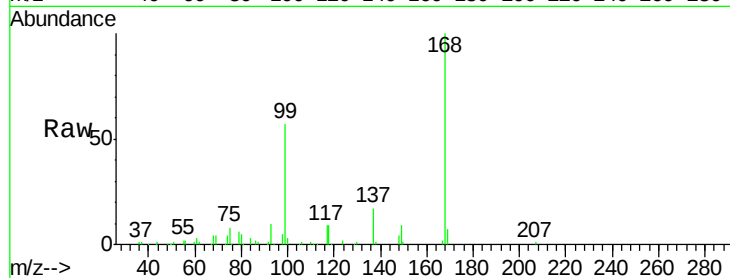




#38
Carbon Tetrachloride
Concen: 6.301 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

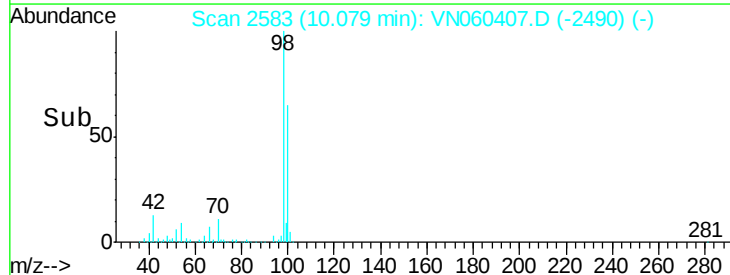
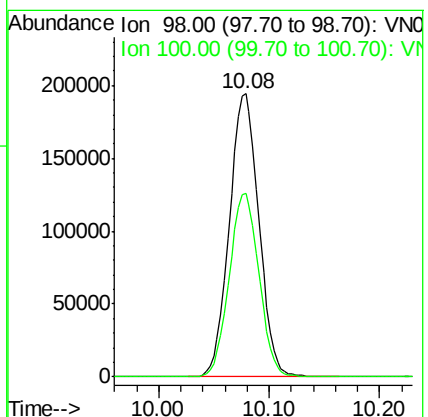
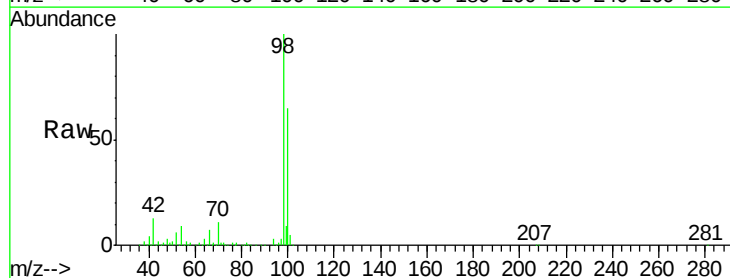
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

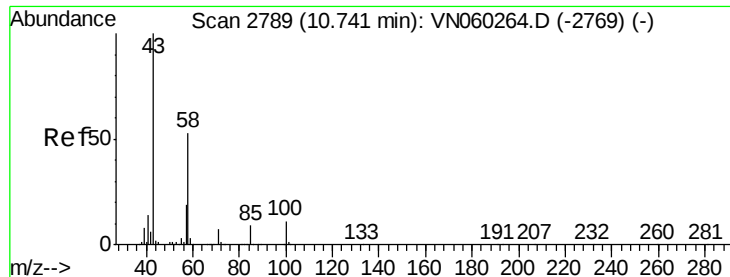
Tgt Ion:117 Resp: 17315
Ion Ratio Lower Upper
117 100
119 3.7 76.7 115.1#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.841 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

Tgt Ion: 98 Resp: 360643
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2





#59

2-Hexanone

Concen: 0.288 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN060407.D

Acq: 10 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

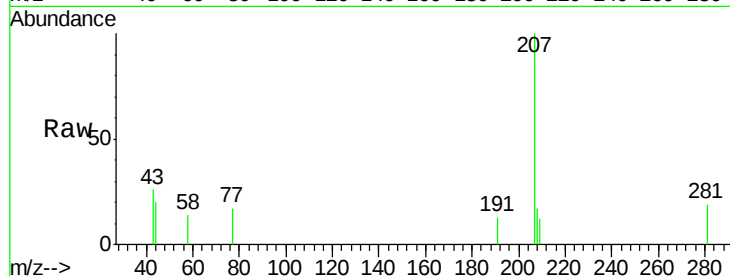
VN0310WBL01

Tgt Ion: 43 Resp: 560

Ion Ratio Lower Upper

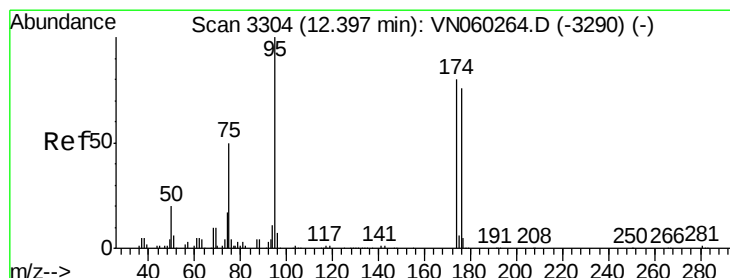
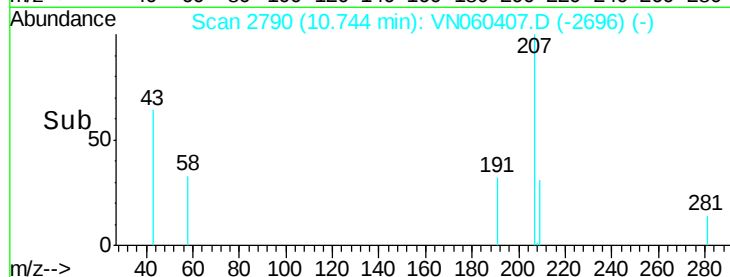
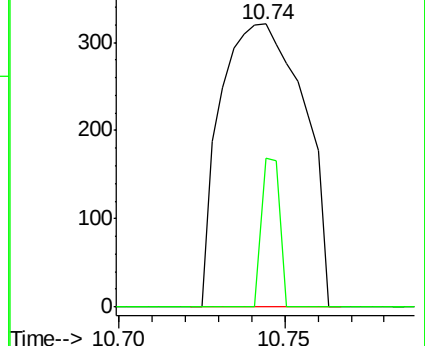
43 100

58 11.4 26.5 79.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 45.554 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060407.D

Acq: 10 Mar 2020 11:12

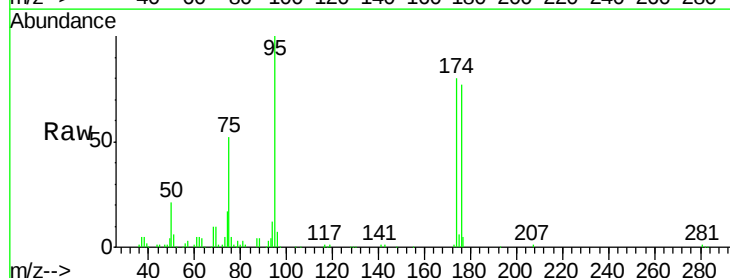
Tgt Ion: 95 Resp: 120130

Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.2

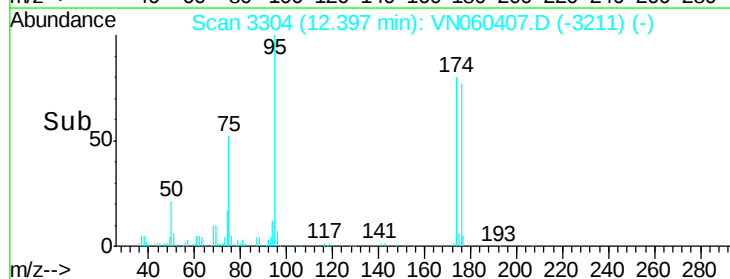
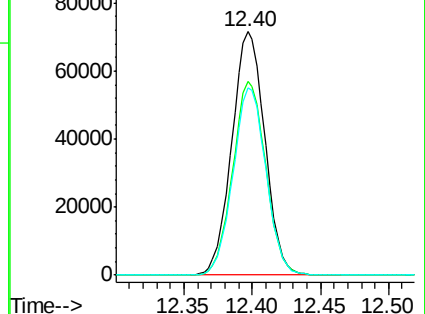
176 76.9 0.0 153.8

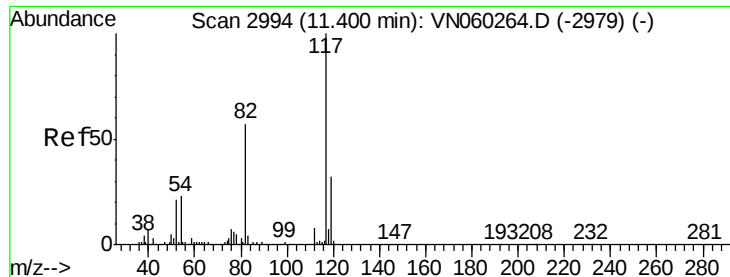


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

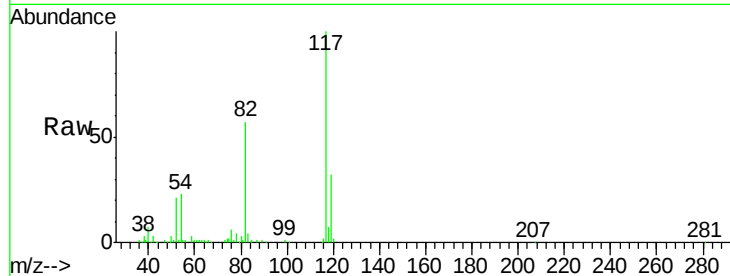




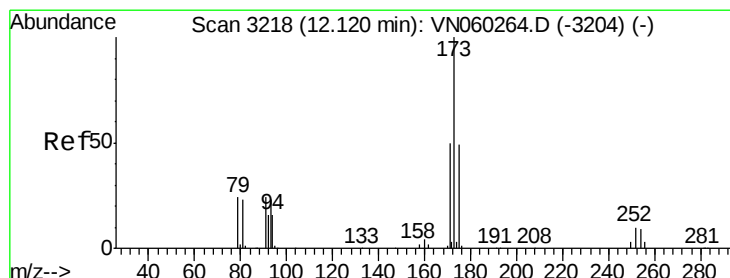
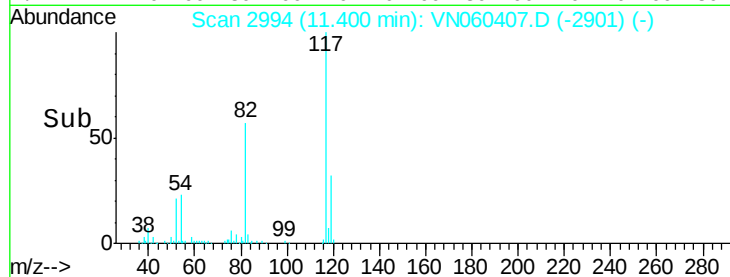
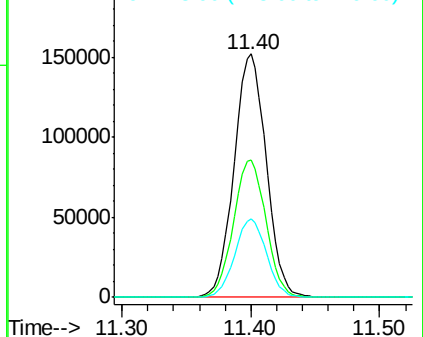
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

Tgt Ion:117 Resp: 263723
Ion Ratio Lower Upper
117 100
82 56.6 45.8 68.6
119 32.1 25.8 38.8

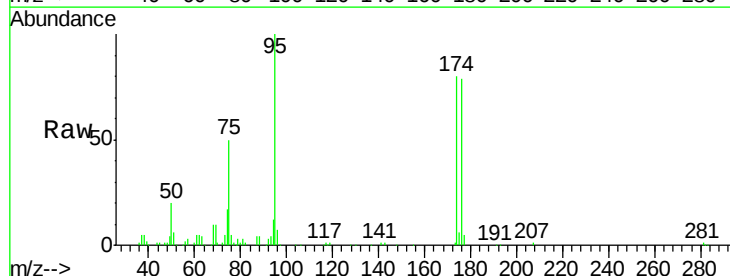


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

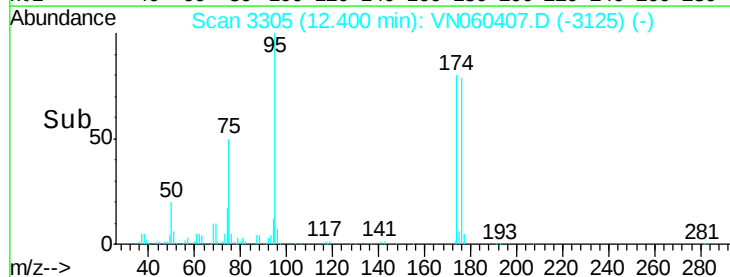
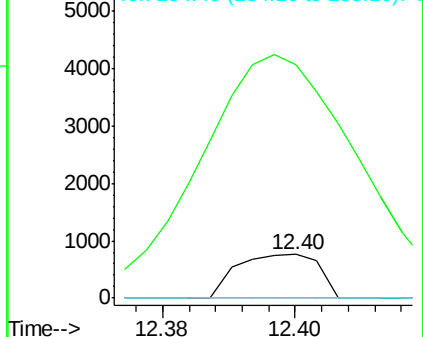


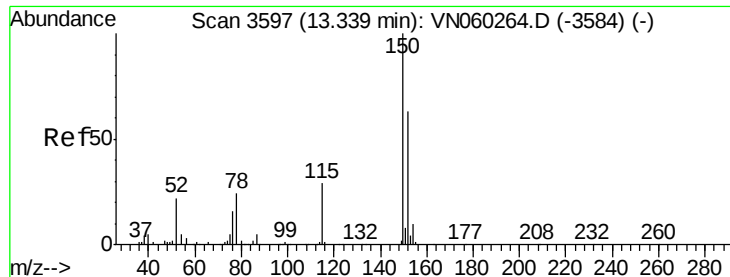
#71
Bromoform
Concen: 0.460 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.28 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

Tgt Ion:173 Resp: 653
Ion Ratio Lower Upper
173 100
175 900.5 24.1 72.2#
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: VN060407.D

Acq: 10 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBL01

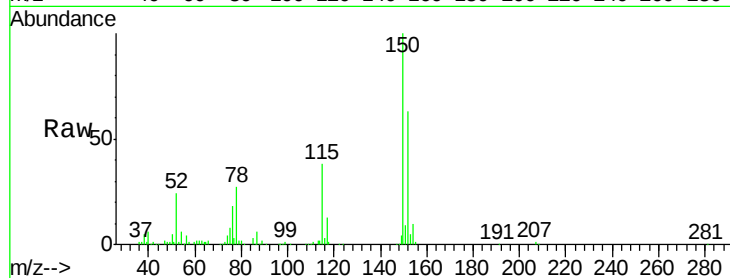
Tgt Ion: 152 Resp: 102109

Ion Ratio Lower Upper

152 100

115 59.4 30.0 90.0

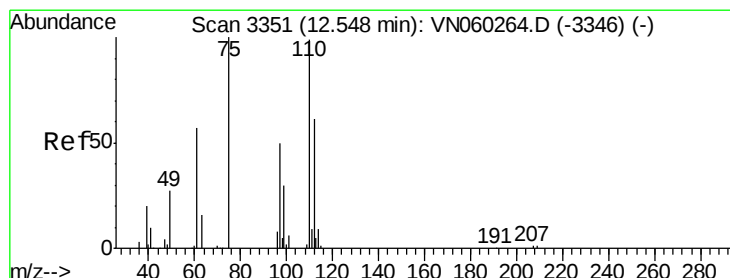
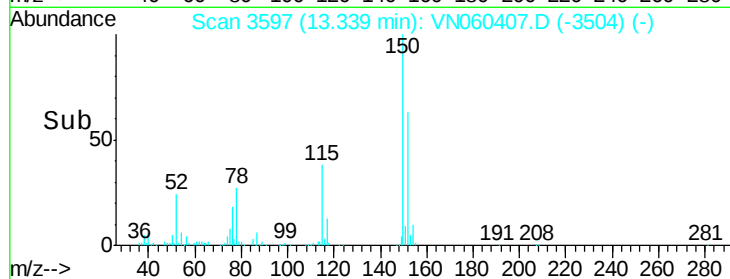
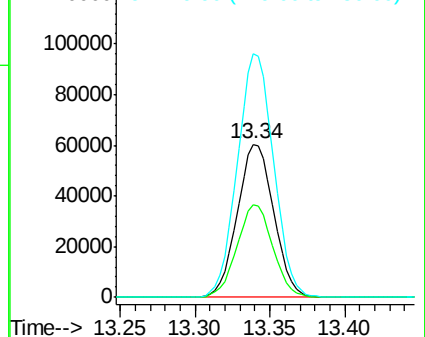
150 158.4 0.0 349.6



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: 27.634 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060407.D

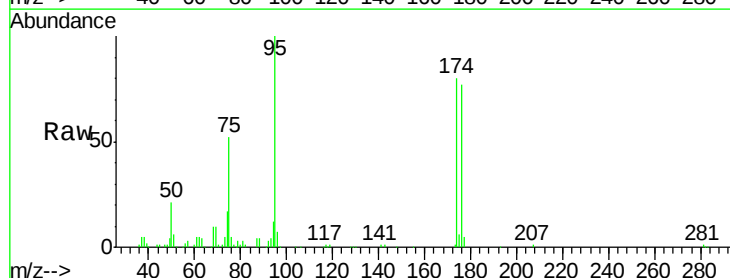
Acq: 10 Mar 2020 11:12

Tgt Ion: 75 Resp: 61907

Ion Ratio Lower Upper

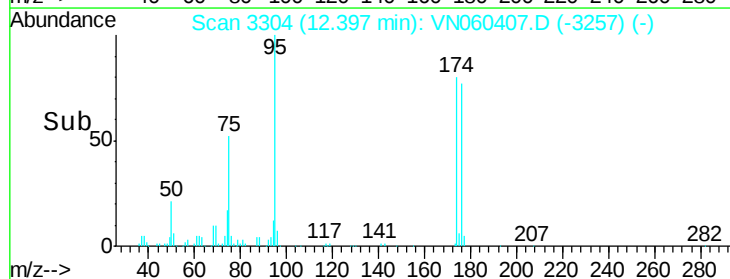
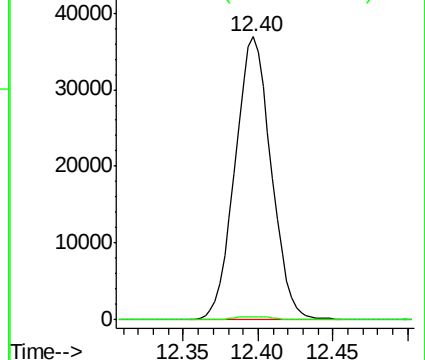
75 100

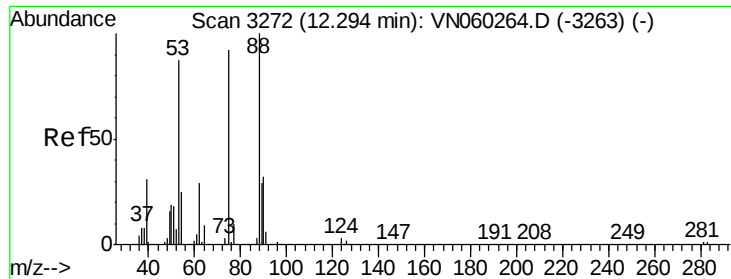
77 1.1 0.0 0.0#



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: 76.282 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060407.D

Acq: 10 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0310WBL01

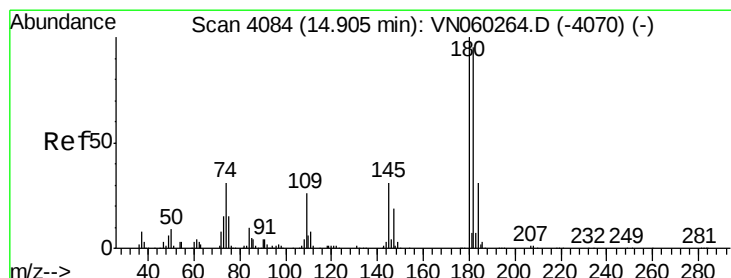
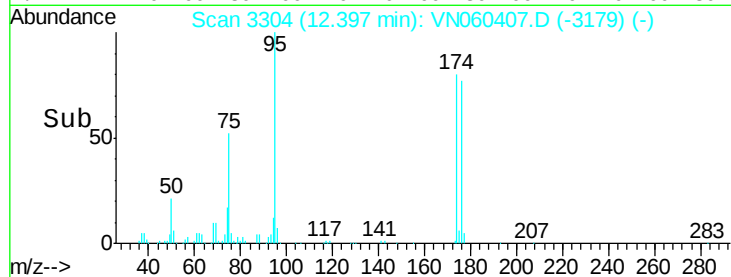
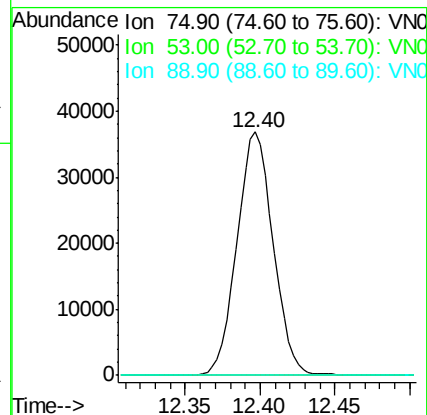
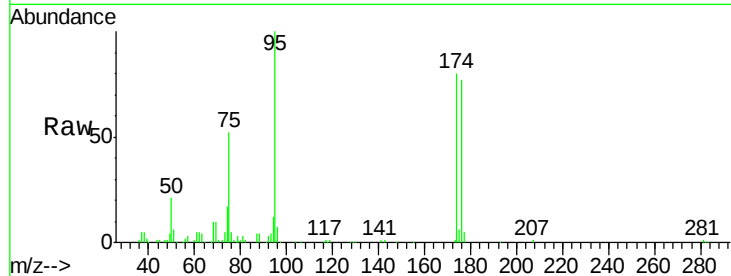
Tgt Ion: 75 Resp: 61907

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

89 0.0 57.1 85.7#



#93

1,2,4-Trichlorobenzene

Concen: 0.399 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. 0.00 min

Lab File: VN060407.D

Acq: 10 Mar 2020 11:12

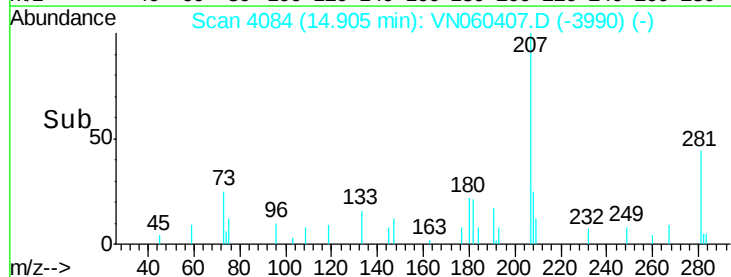
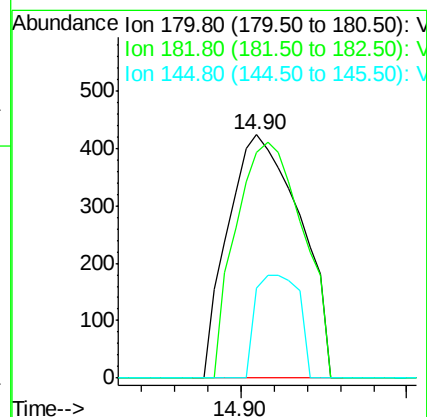
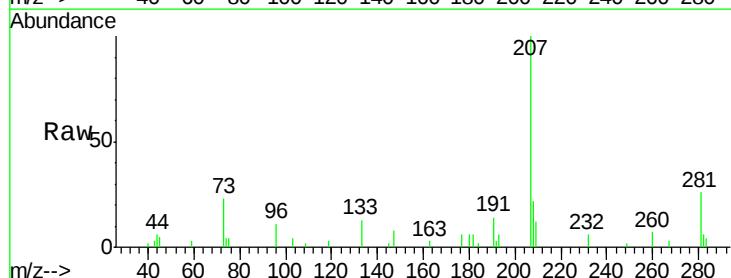
Tgt Ion: 180 Resp: 642

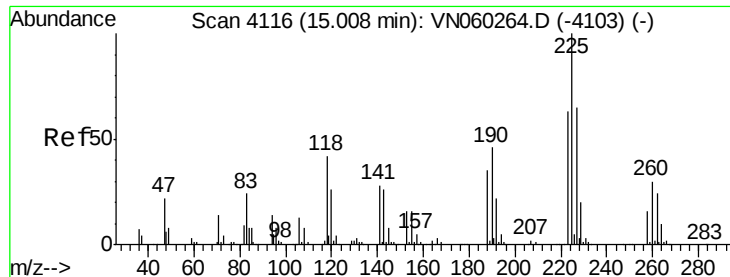
Ion Ratio Lower Upper

180 100

182 90.2 47.8 143.3

145 25.1 15.4 46.1

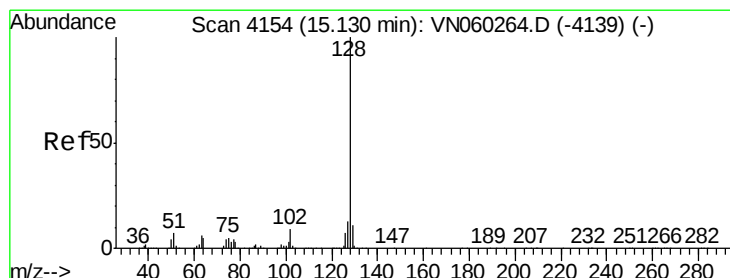
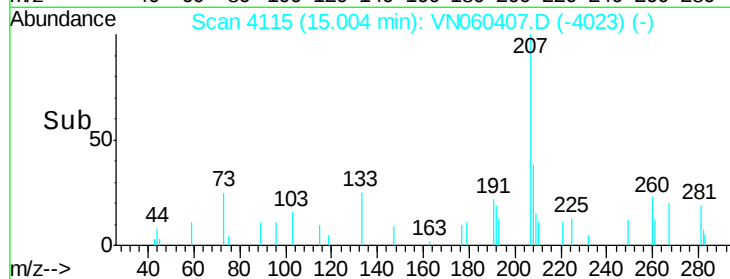
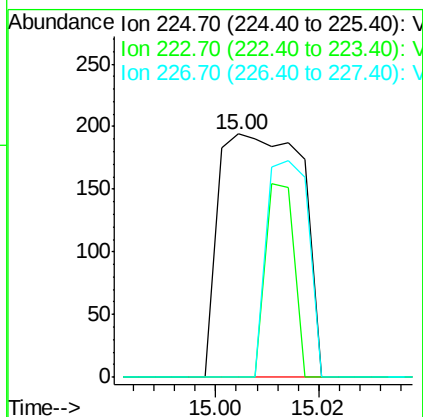
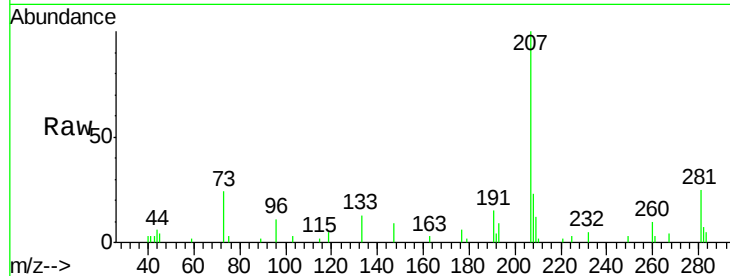




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

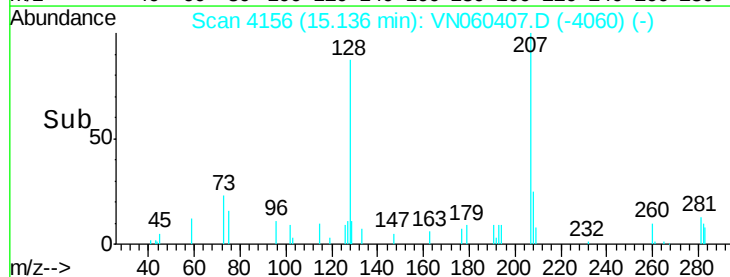
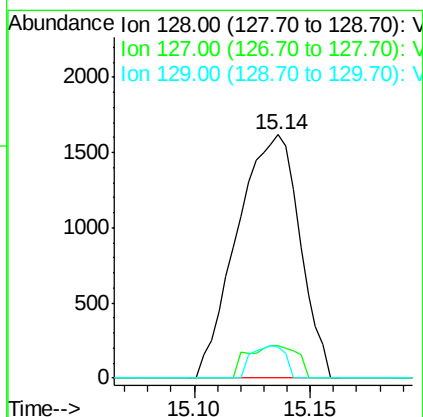
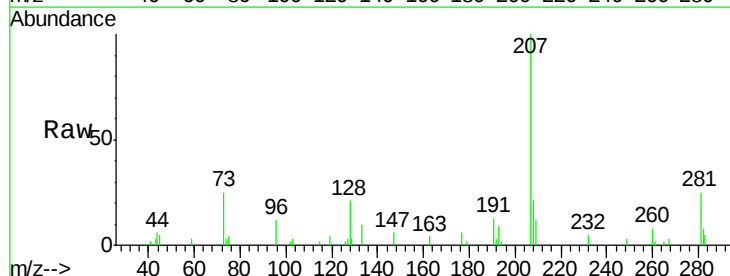
Instrument :
MSVOA_N
ClientSampleId :
VN0310WBL01

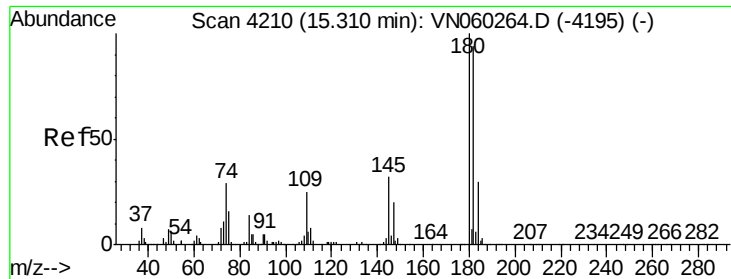
Tgt Ion: 225 Resp: 214
Ion Ratio Lower Upper
225 100
223 27.6 31.3 93.9#
227 45.3 32.3 96.9



#95
Naphthalene
Concen: 0.227 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN060407.D
Acq: 10 Mar 2020 11:12

Tgt Ion: 128 Resp: 3027
Ion Ratio Lower Upper
128 100
127 10.7 10.4 15.6
129 7.1 8.6 13.0#

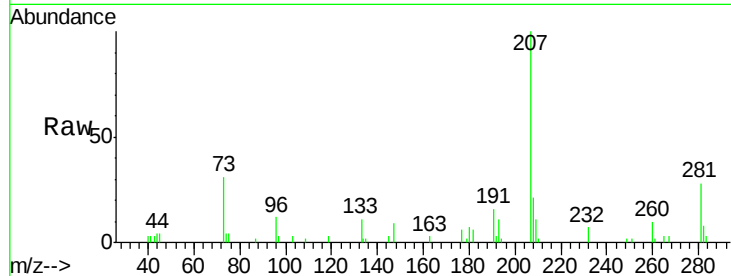




#96
 1,2,3-Trichlorobenzene
 Concen: 0.280 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060407.D
 Acq: 10 Mar 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0310WBL01

Tgt Ion:	180	Resp:	896
Ion Ratio	Lower	Upper	
180	100		
182	91.1	47.3	142.0
145	24.9	16.2	48.5



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

