

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031319\
 Data File : VN054204.D
 Acq On : 13 Mar 2019 11:14
 Operator : JC/SP
 Sample : VN0313WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 14 05:14:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1501946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2187472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1884872	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	759885	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	787156	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
35) Dibromofluoromethane	7.59	113	693002	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
50) Toluene-d8	10.09	98	2582539	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	848700	46.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.10%	

Target Compounds

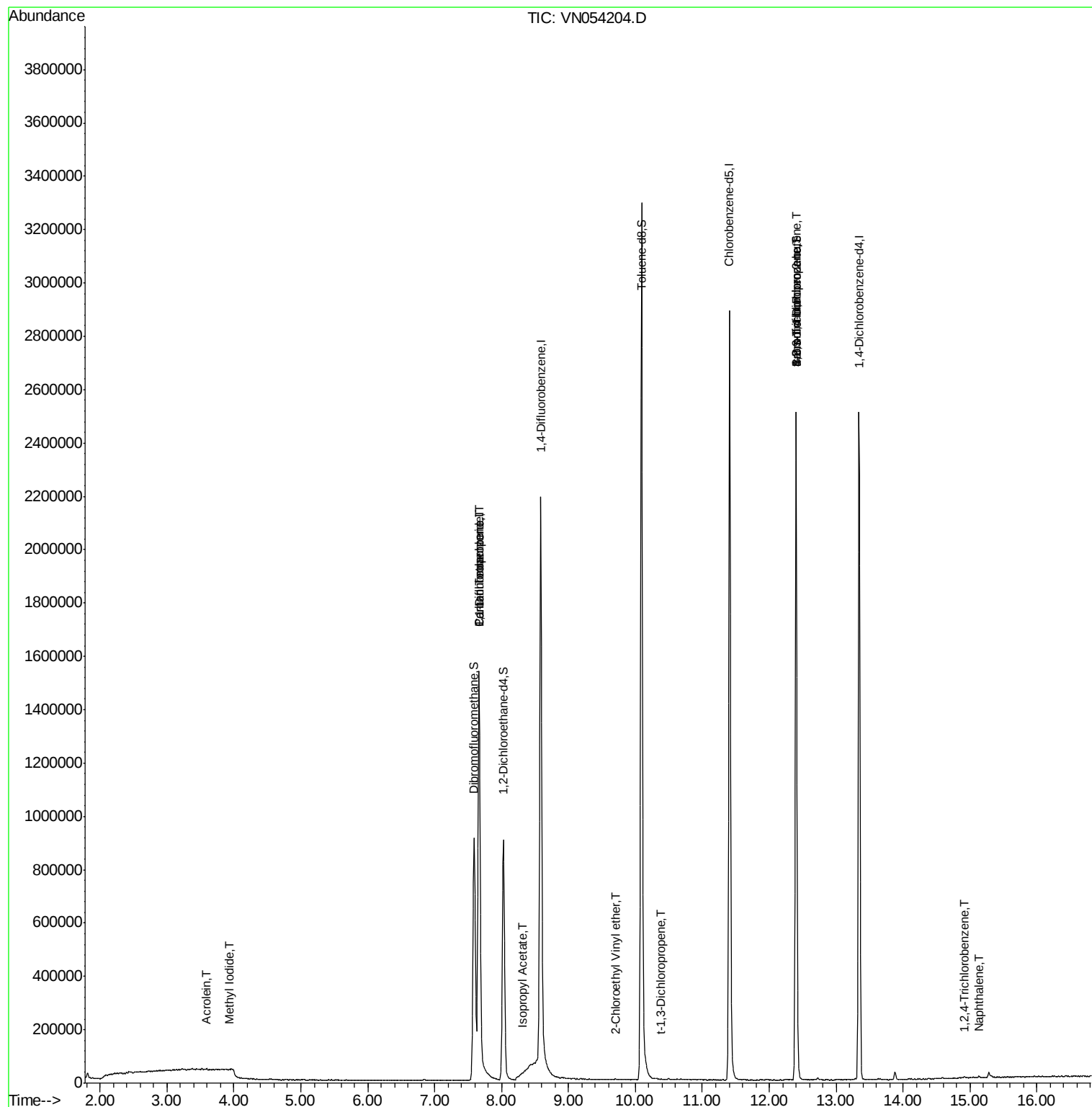
					Qvalue	
10) Methyl Iodide	3.94	142	742	1.529	ug/l #	76
13) Acrolein	3.60	56	268	0.259	ug/l #	1
31) Cyclohexane	7.67	56	22330	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	89414	4.439	ug/l #	48
38) Carbon Tetrachloride	7.66	117	122520	5.800	ug/l #	16
43) Isopropyl Acetate	8.30	43	35296	1.737	ug/l #	60
53) t-1,3-Dichloropropene	10.37	75	358	2.001	ug/l #	2
58) 2-Chloroethyl Vinyl ether	9.70	63	710	16.924	ug/l #	62
71) Bromoform	12.40	173	6014	2.851	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	412991	36.959	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	412991	126.341	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	1712	2.618	ug/l	90
95) Naphthalene	15.13	128	5093	3.612	ug/l #	93

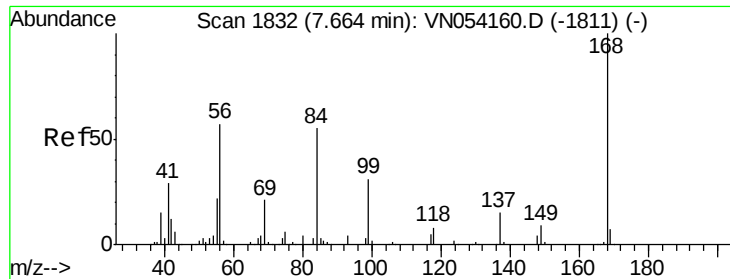
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031319\
Data File : VN054204.D
Acq On : 13 Mar 2019 11:14
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ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

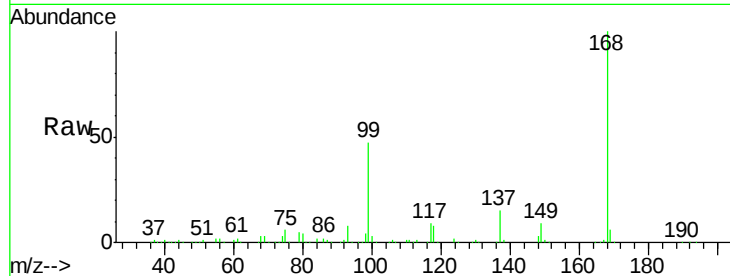
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 1501946

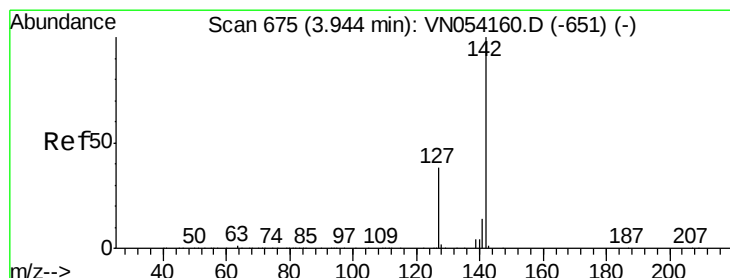
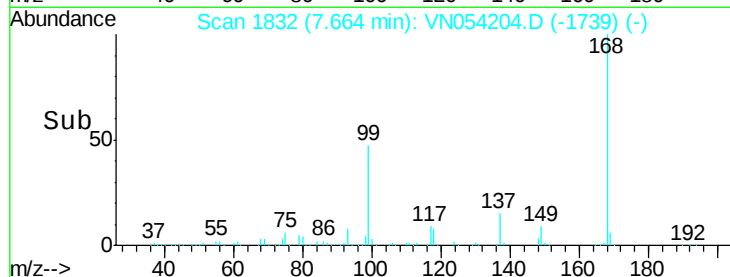
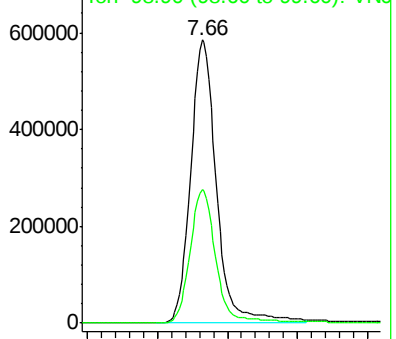
Ion Ratio Lower Upper

168 100

99 47.3 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.529 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

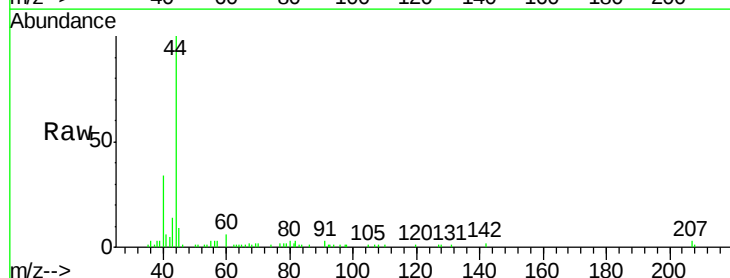
Tgt Ion:142 Resp: 742

Ion Ratio Lower Upper

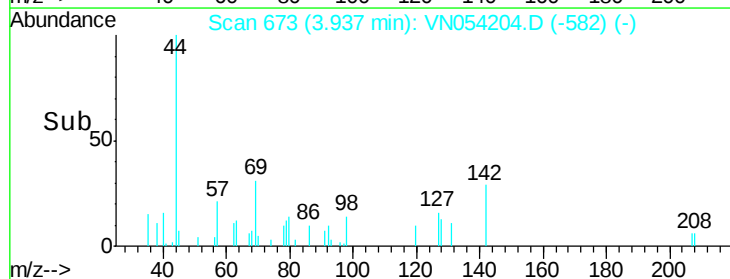
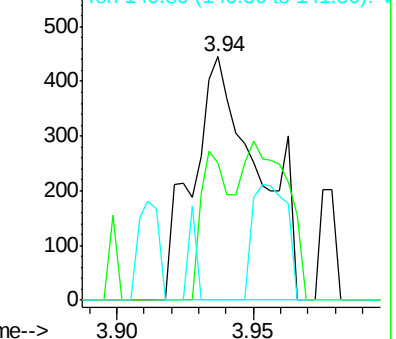
142 100

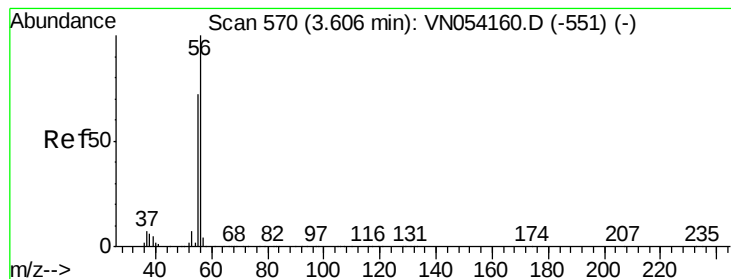
127 23.7 30.3 45.5#

141 4.4 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.259 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

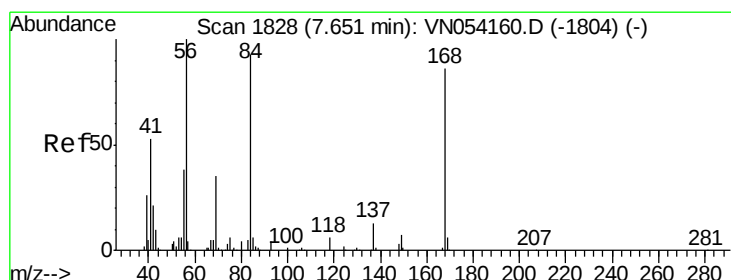
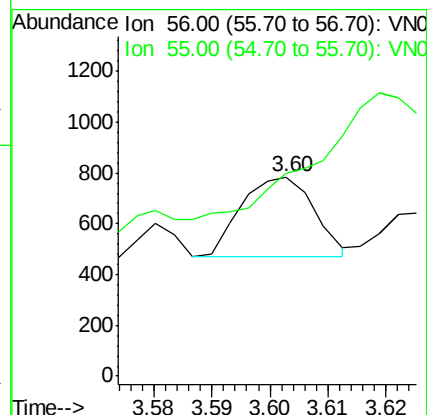
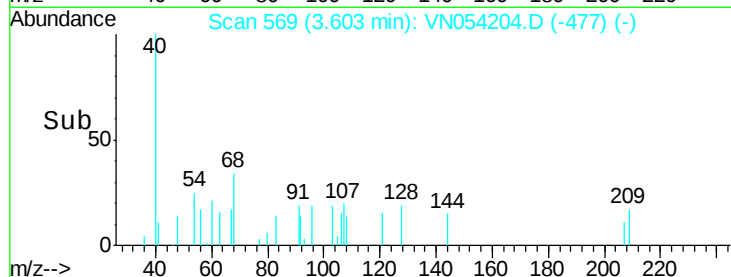
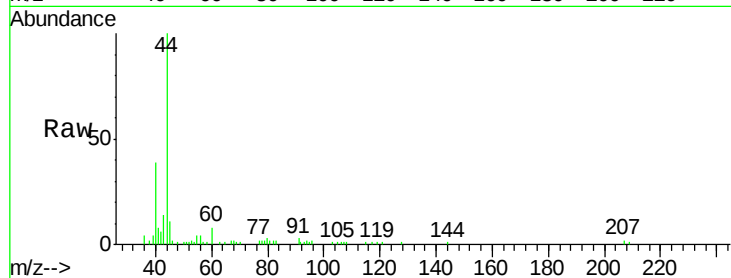
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 268

Ion Ratio Lower Upper

56 100

55 258.2 56.7 85.1#



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

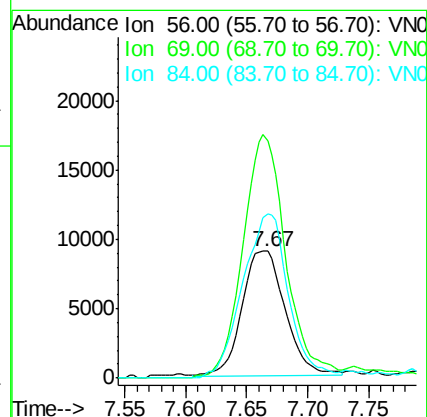
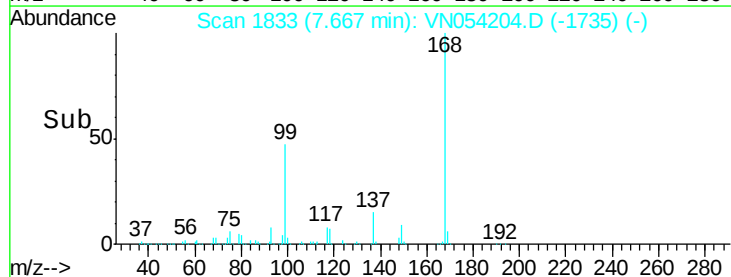
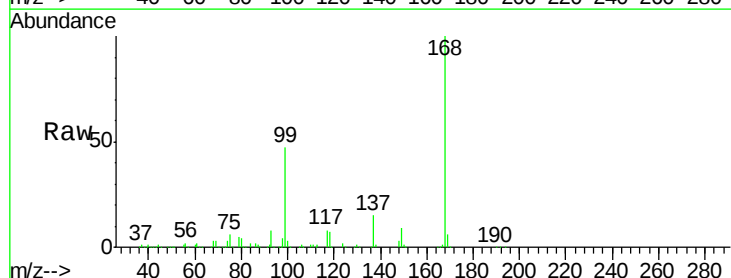
Tgt Ion: 56 Resp: 22330

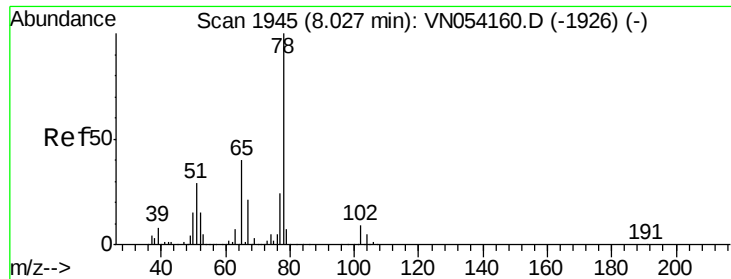
Ion Ratio Lower Upper

56 100

69 190.7 27.8 41.6#

84 131.9 74.6 111.8#

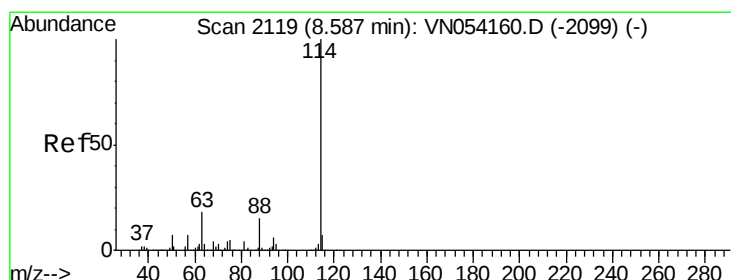
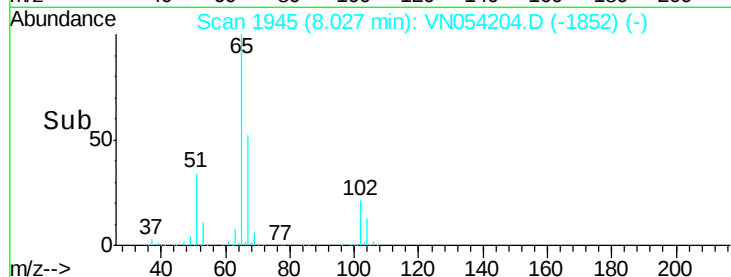
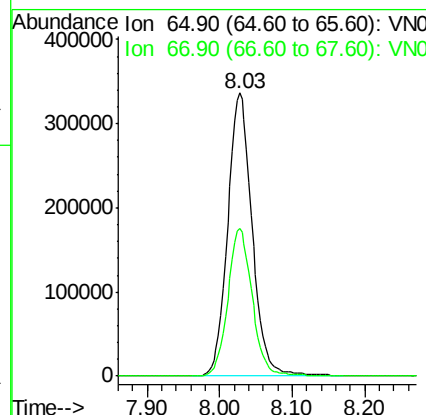
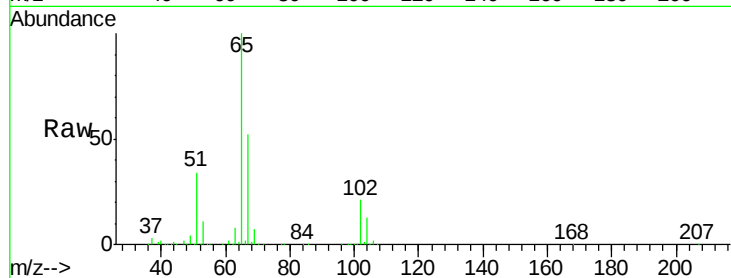




#33
 1,2-Dichloroethane-d4
 Concen: 49.349 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054204.D
 Acq: 13 Mar 2019 11:14

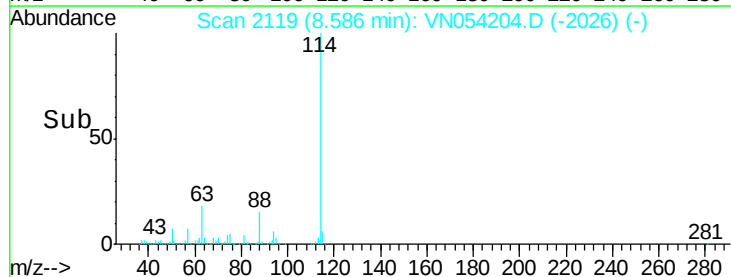
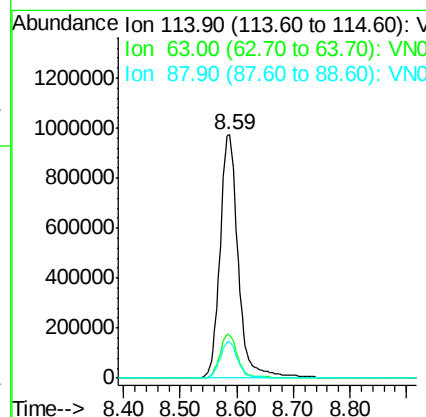
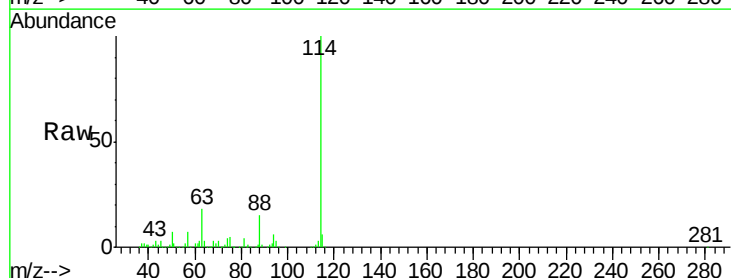
Instrument :
 MSVOA_N
 ClientSampleId :

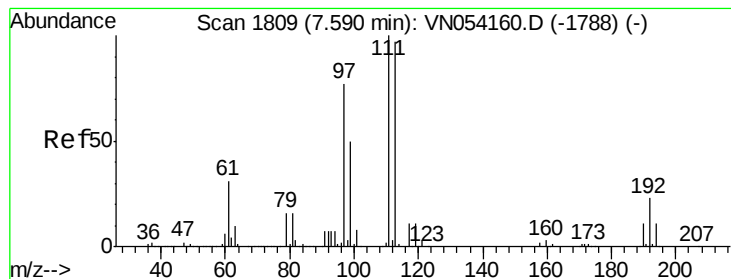
Tot Ion: 65 Resp: 787156
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054204.D
 Acq: 13 Mar 2019 11:14

Tgt Ion: 114 Resp: 2187472
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 15.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.120 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :

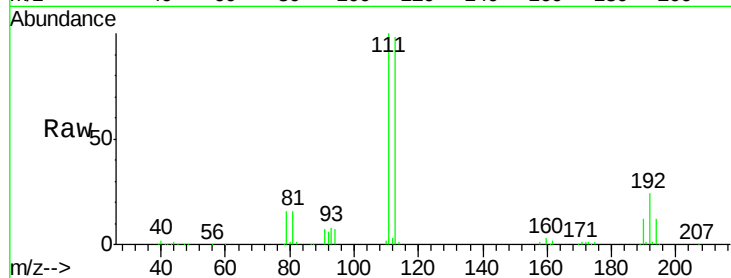
Tot Ion:113 Resp: 693002

Ion Ratio Lower Upper

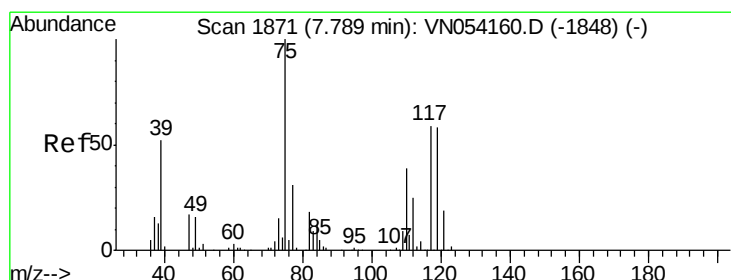
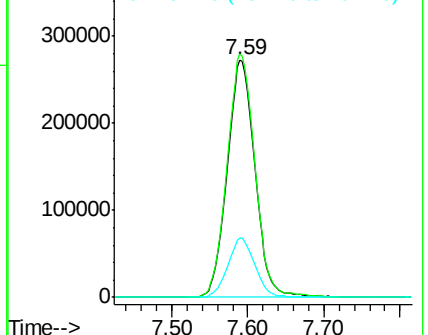
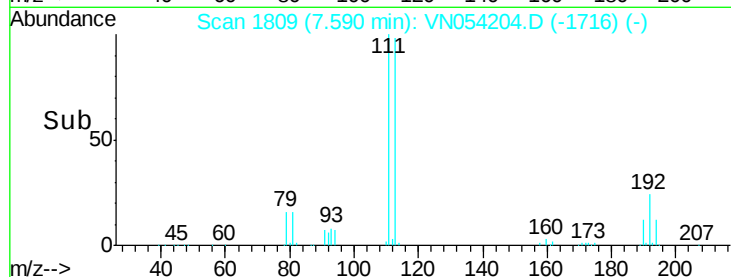
113 100

111 103.0 82.2 123.4

192 24.4 19.2 28.8



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: 4.439 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

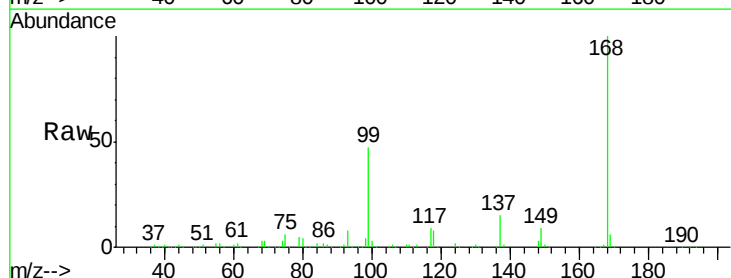
Tgt Ion: 75 Resp: 89414

Ion Ratio Lower Upper

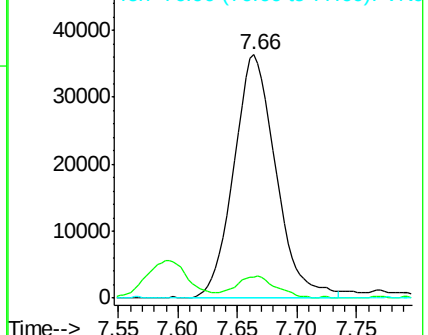
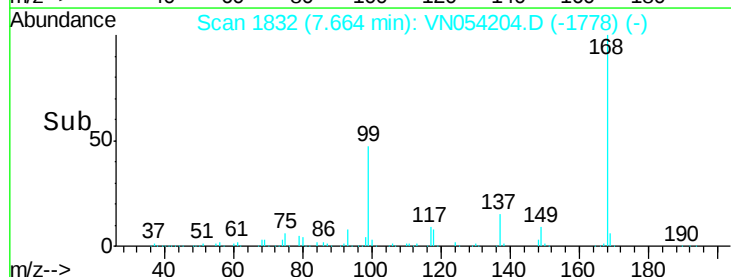
75 100

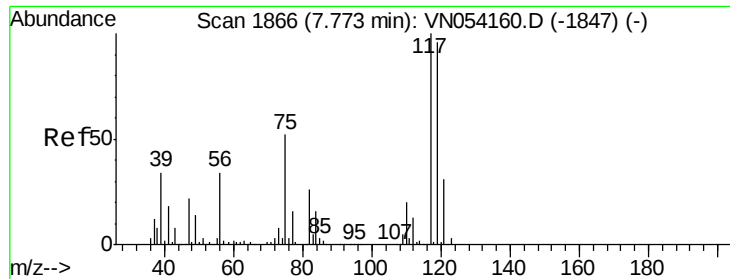
110 8.9 19.1 57.5#

77 0.0 25.0 37.4#



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

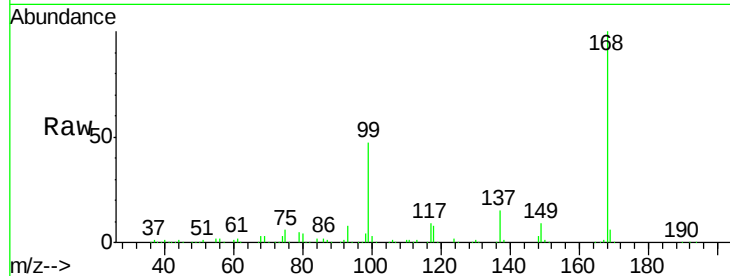




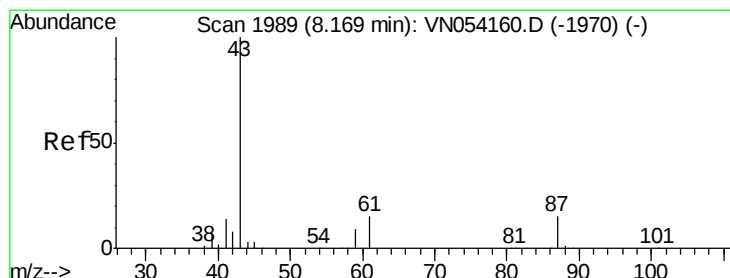
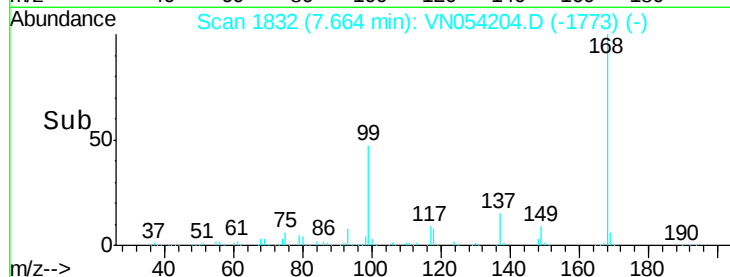
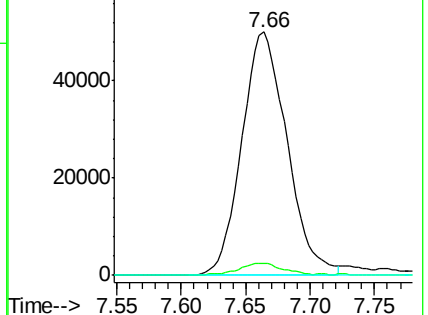
#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN054204.D
Acq: 13 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 122520
Ion Ratio Lower Upper
117 100
119 5.0 76.3 114.5#
121 0.0 24.6 36.8#

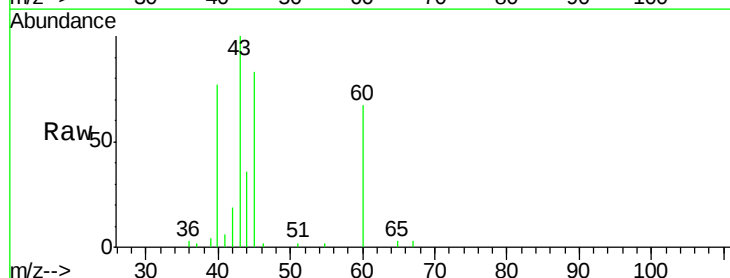


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

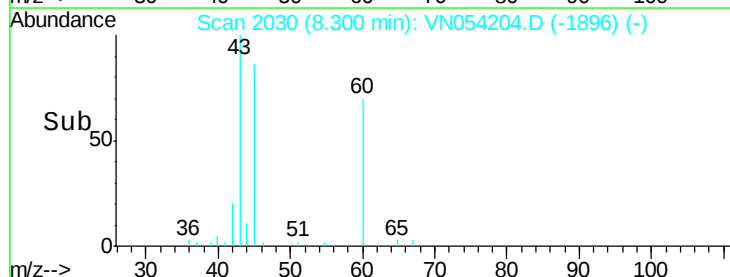
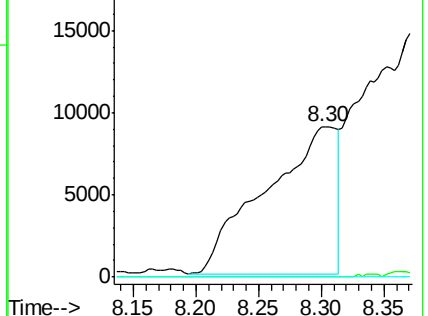


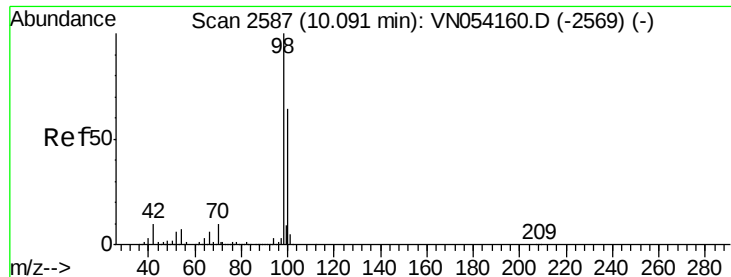
#43
Isopropyl Acetate
Concen: 1.737 ug/l
RT: 8.30 min Scan# 2030
Delta R.T. 0.13 min
Lab File: VN054204.D
Acq: 13 Mar 2019 11:14

Tgt Ion: 43 Resp: 35296
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.8#
87 0.0 12.0 18.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 49.565 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

Instrument :

MSVOA_N

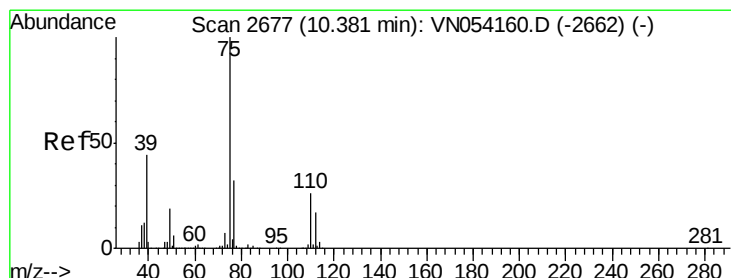
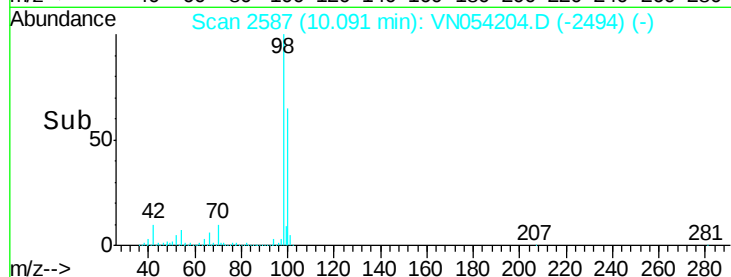
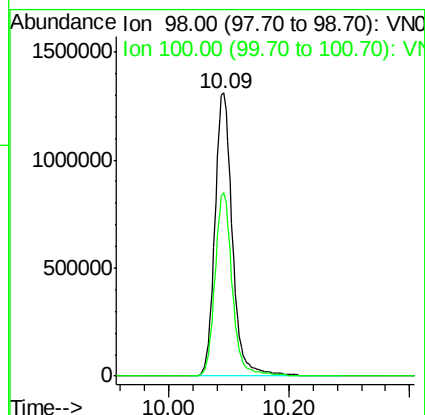
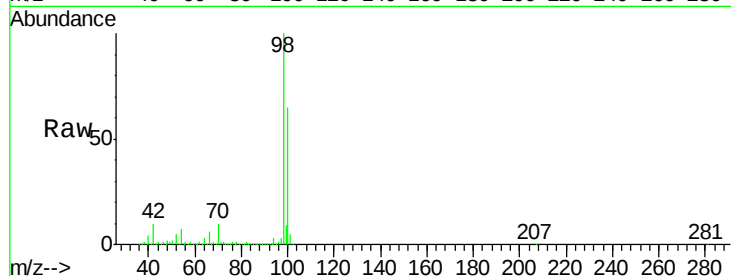
ClientSampled :

Tot Ion: 98 Resp: 2582539

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



#53

t-1,3-Dichloropropene

Concen: 2.001 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.01 min

Lab File: VN054204.D

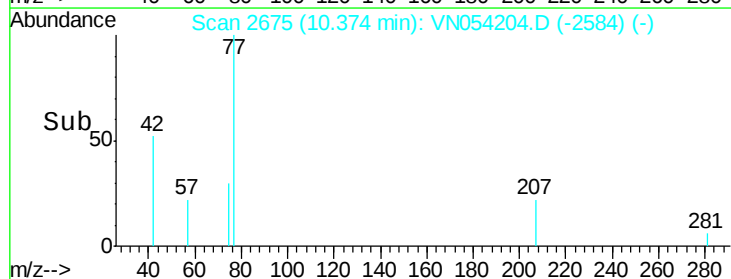
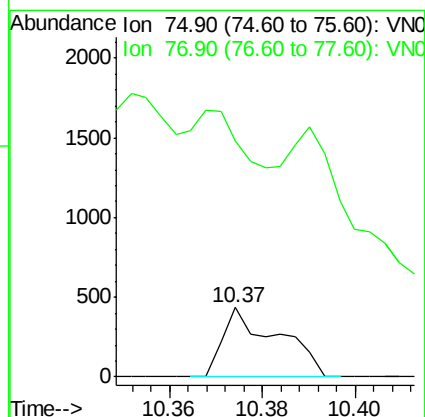
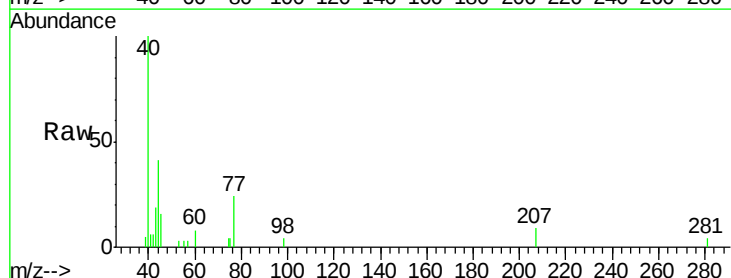
Acq: 13 Mar 2019 11:14

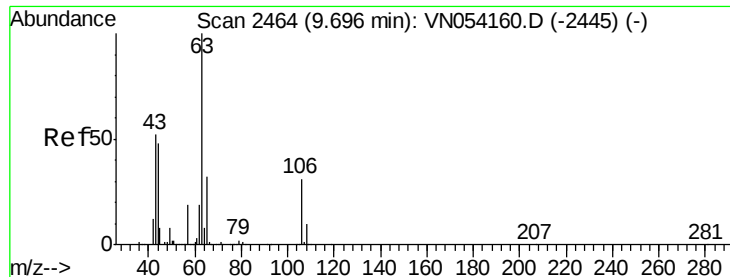
Tgt Ion: 75 Resp: 358

Ion Ratio Lower Upper

75 100

77 87.2 25.8 38.8#





#58

2-Chloroethyl Vinyl ether

Concen: 16.924 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

Instrument :

MSVOA_N

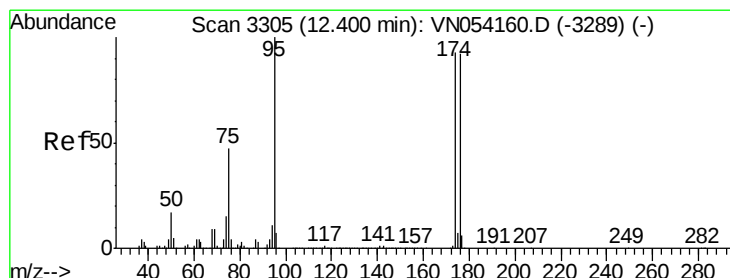
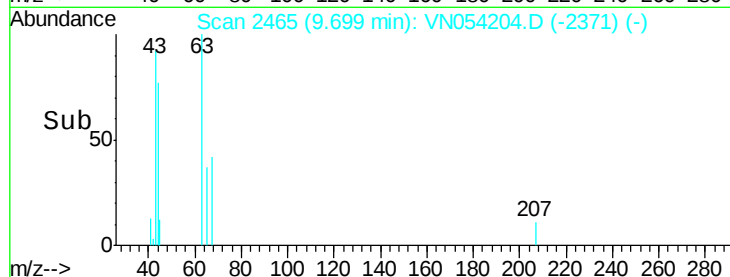
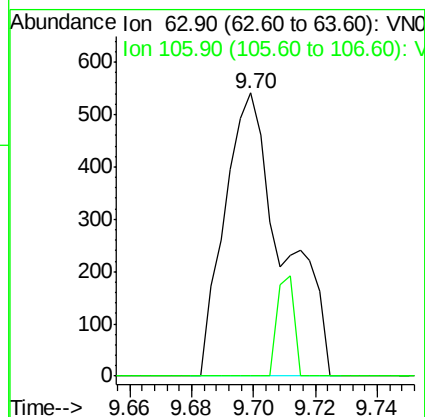
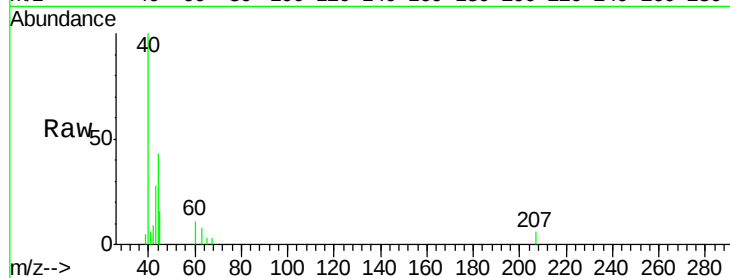
ClientSampleId :

Tot Ion: 63 Resp: 710

Ion Ratio Lower Upper

63 100

106 10.0 24.4 36.6#



#62

4-Bromofluorobenzene

Concen: 46.552 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

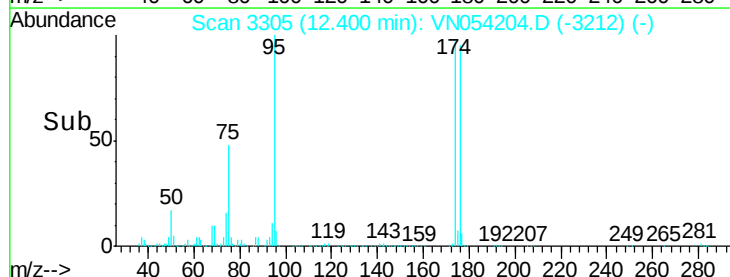
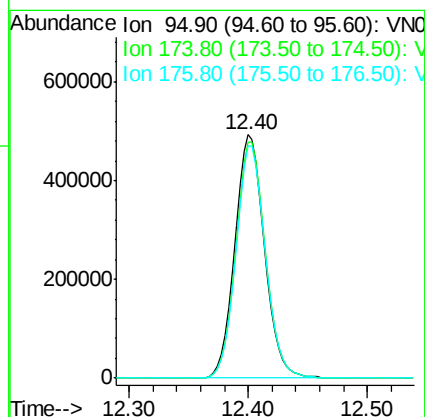
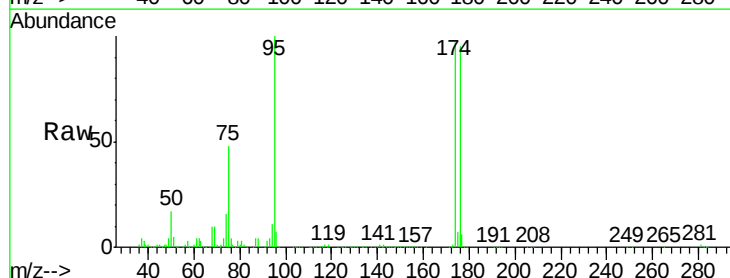
Tgt Ion: 95 Resp: 848700

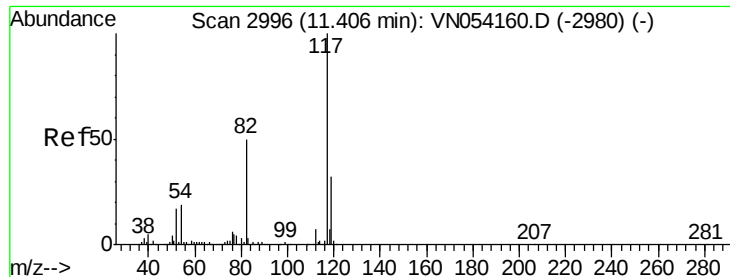
Ion Ratio Lower Upper

95 100

174 97.0 0.0 191.0

176 94.8 0.0 187.4

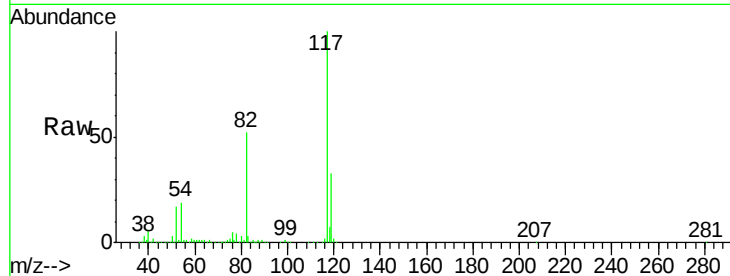




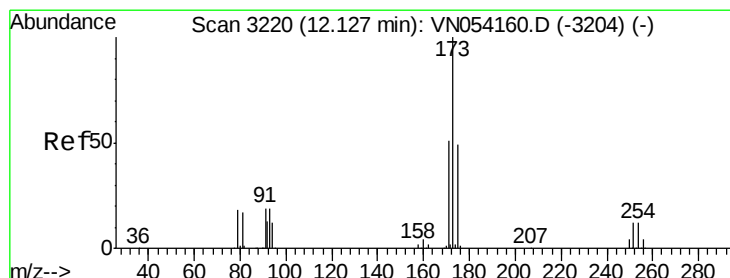
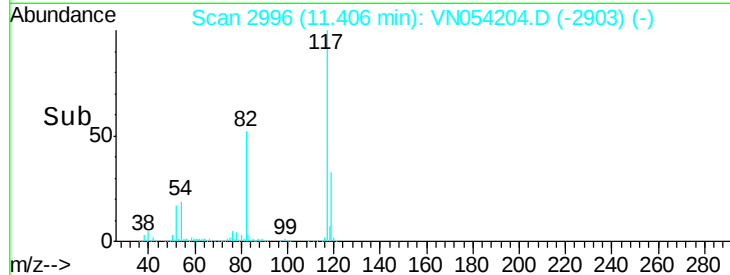
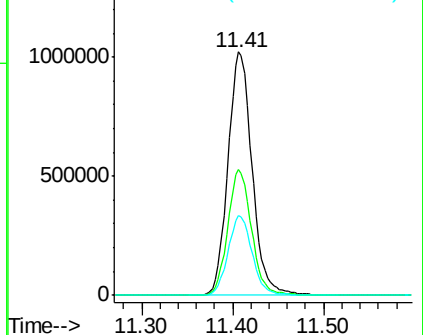
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054204.D
Acq: 13 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 1884872
Ion Ratio Lower Upper
117 100
82 51.9 40.0 60.0
119 32.6 25.8 38.6

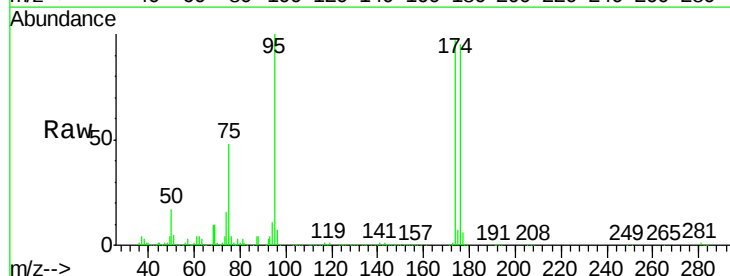


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

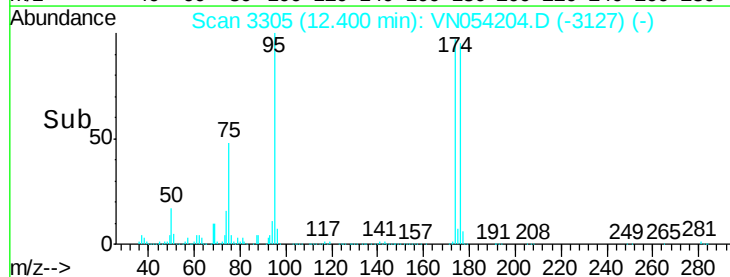
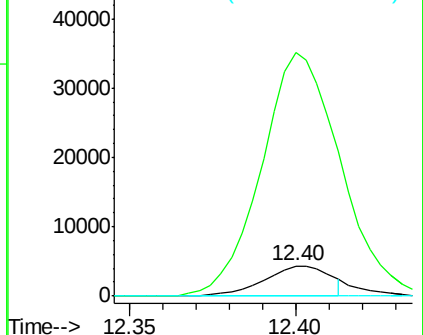


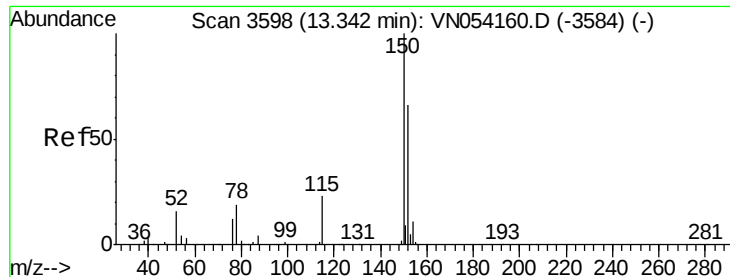
#71
Bromoform
Concen: 2.851 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054204.D
Acq: 13 Mar 2019 11:14

Tgt Ion:173 Resp: 6014
Ion Ratio Lower Upper
173 100
175 833.7 24.4 73.2#
254 0.0 0.1 0.1#



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# 3598

Delta R.T. -0.00 min

Lab File: VN054204.D

Acq: 13 Mar 2019 11:14

Instrument :

MSVOA_N

ClientSampleId :

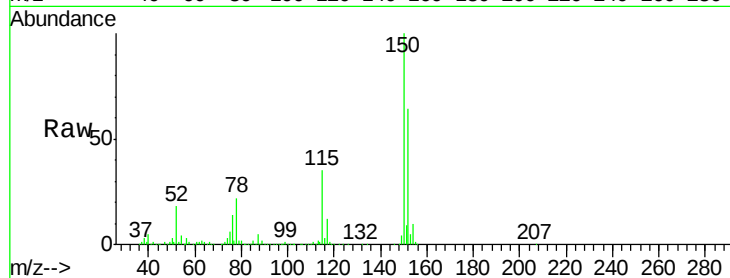
Tot Ion:152 Resp: 759885

Ion Ratio Lower Upper

152 100

115 55.0 27.2 81.6

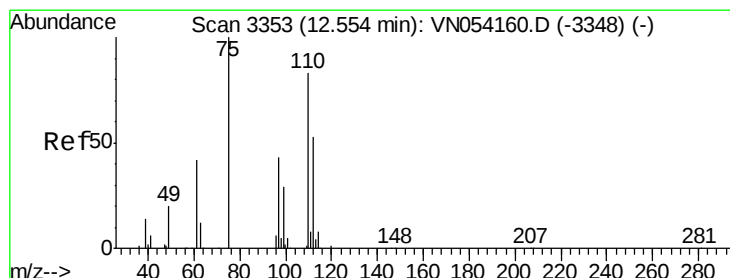
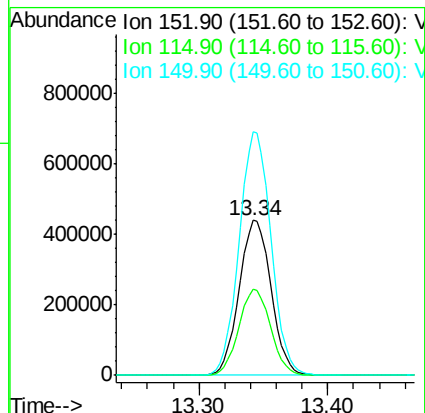
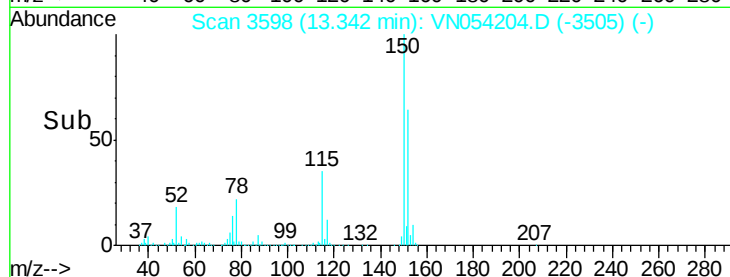
150 156.1 0.0 349.2



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: 36.959 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054204.D

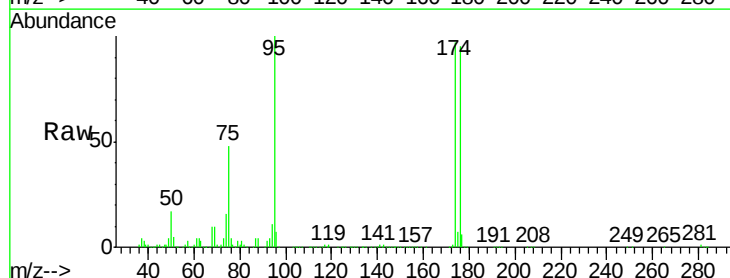
Acq: 13 Mar 2019 11:14

Tgt Ion: 75 Resp: 412991

Ion Ratio Lower Upper

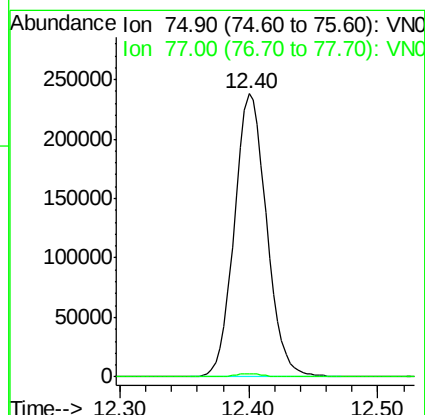
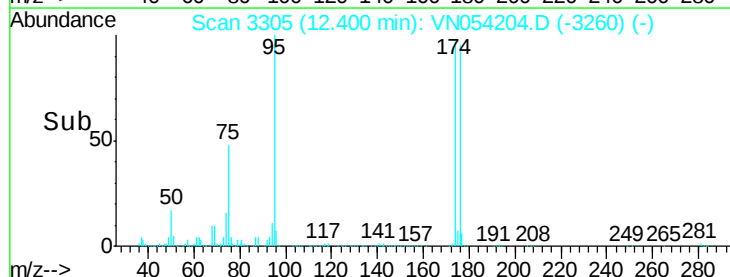
75 100

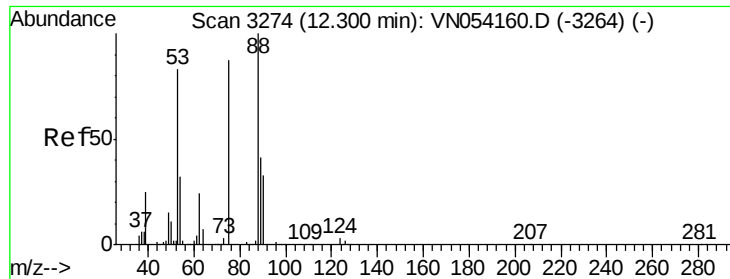
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

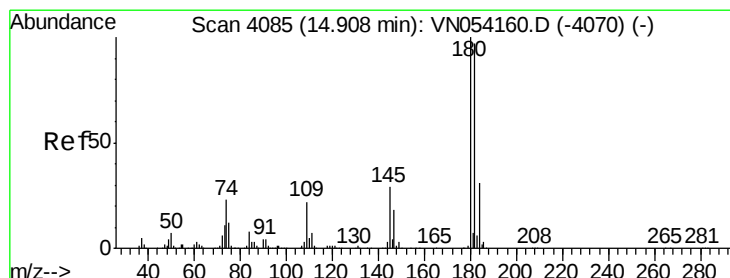
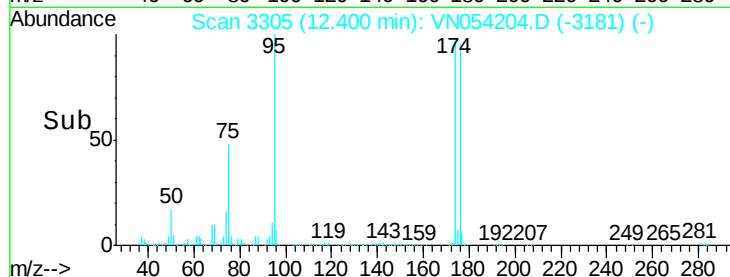
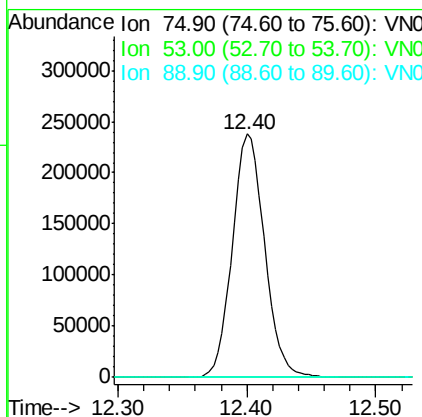
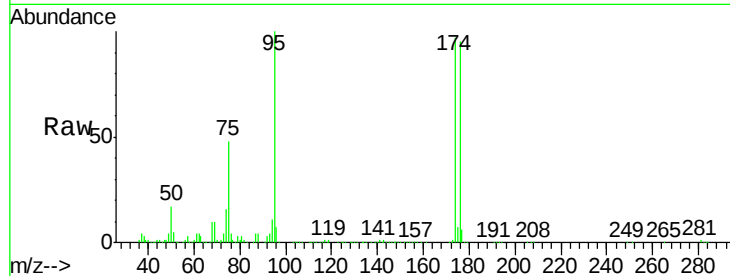




#81
trans-1,4-Dichloro-2-butene
Concen: 126.341 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054204.D
Acq: 13 Mar 2019 11:14

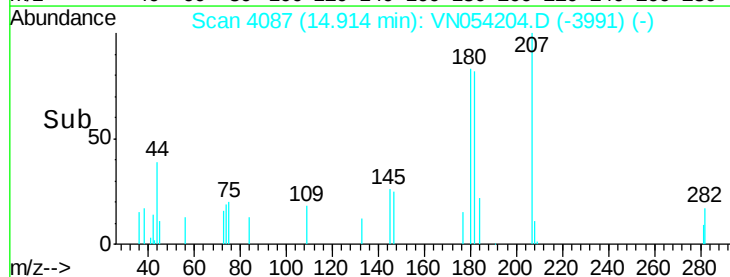
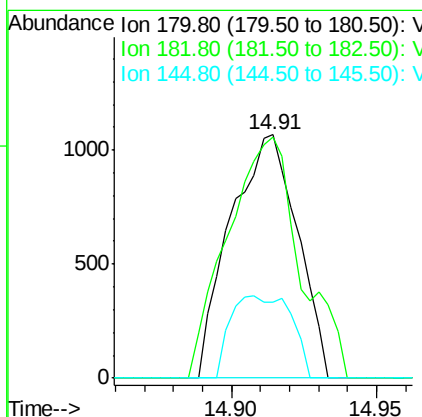
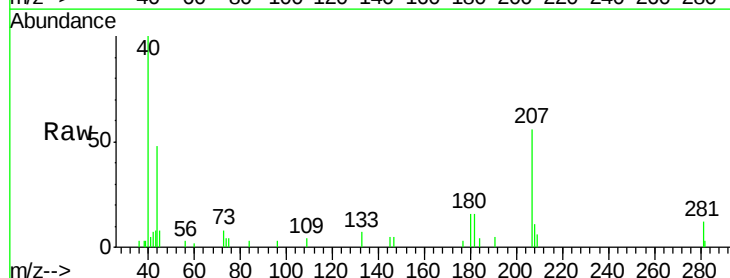
Instrument :
MSVOA_N
ClientSampleId :

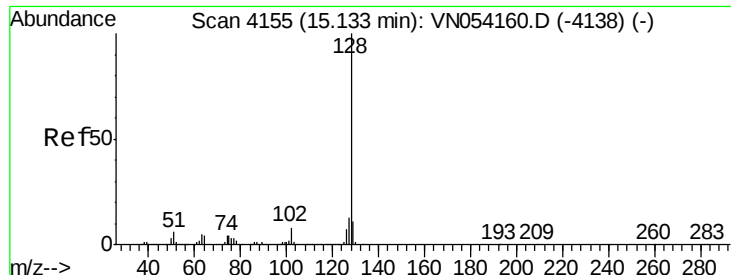
Tot Ion: 75 Resp: 412991
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.618 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN054204.D
Acq: 13 Mar 2019 11:14

Tgt Ion:180 Resp: 1712
Ion Ratio Lower Upper
180 100
182 107.8 48.0 144.2
145 30.5 14.2 42.8

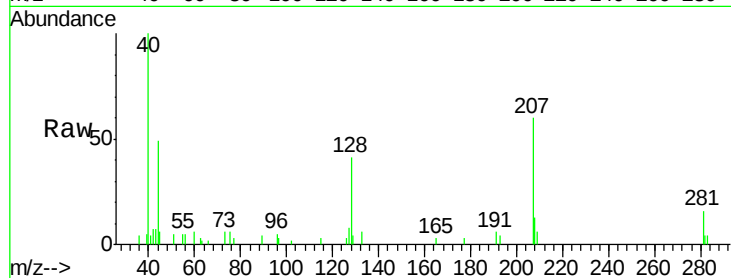




#95
Naphthalene
Concen: 3.612 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054204.D
Acq: 13 Mar 2019 11:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.1	15.1
129	6.3	8.7	13.1



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

