

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031519\
 Data File : VN054306.D
 Acq On : 15 Mar 2019 13:40
 Operator : JC/SP
 Sample : VN0315WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBL01

Quant Time: Mar 16 03:19:02 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	1383995	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2282135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2397423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	951324	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	703321	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	7.59	113	690196	46.89	ug/l	0.00
Spiked Amount			Recovery	=	93.78%	
50) Toluene-d8	10.09	98	2835129	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	
62) 4-Bromofluorobenzene	12.40	95	1065617	56.03	ug/l	0.00
Spiked Amount			Recovery	=	112.06%	

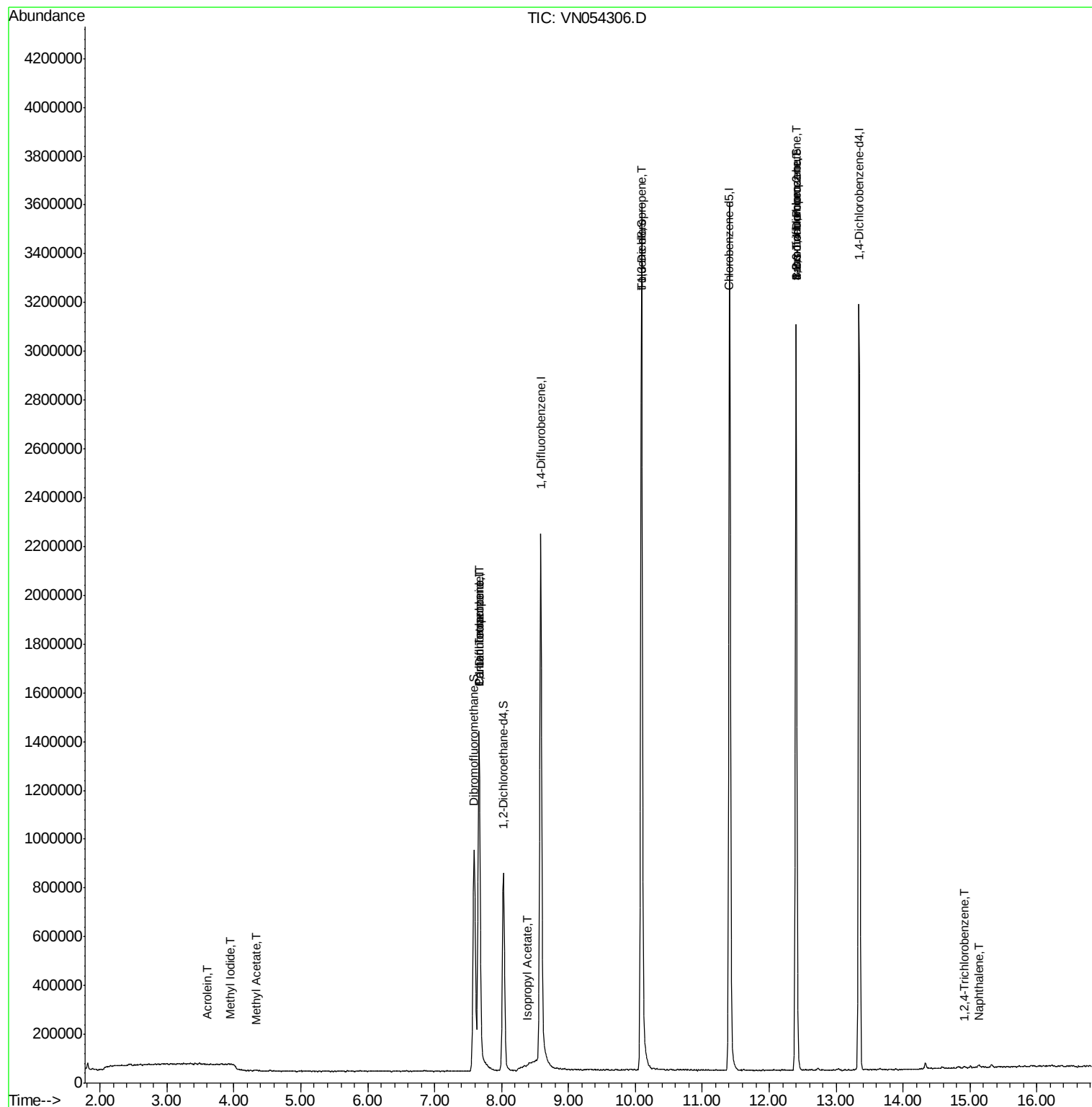
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	869	1.538	ug/l #	64
13) Acrolein	3.61	56	618	0.647	ug/l	91
18) Methyl Acetate	4.34	43	4345	0.510	ug/l #	58
31) Cyclohexane	7.67	56	20004	Below Cal	#	6
36) 1,1-Dichloropropene	7.66	75	76082	3.620	ug/l #	49
38) Carbon Tetrachloride	7.66	117	111006	5.037	ug/l #	16
43) Isopropyl Acetate	8.37	43	44636	2.106	ug/l #	60
53) t-1,3-Dichloropropene	10.09	75	524	2.008	ug/l #	1
71) Bromoform	12.40	173	5998	2.743	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	493847	35.301	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	493847	120.674	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2107	2.616	ug/l	86
95) Naphthalene	15.13	128	10406	3.702	ug/l #	95

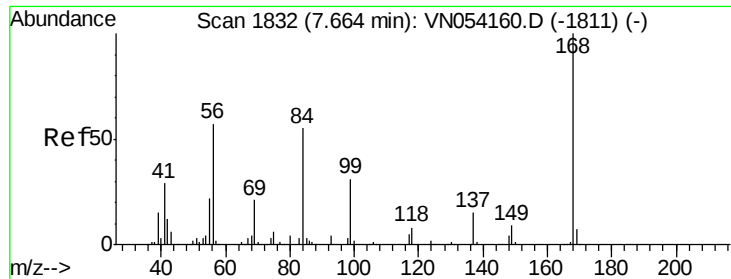
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 16 03:19:02 2019
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: VN054306.D

Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

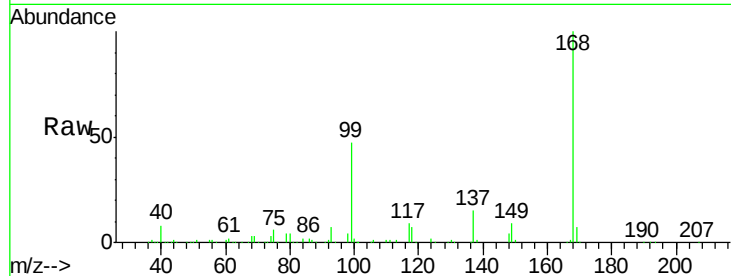
VN0315WBL01

Tot Ion:168 Resp: 1383995

Ion Ratio Lower Upper

168 100

99 47.0 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

600000

500000

400000

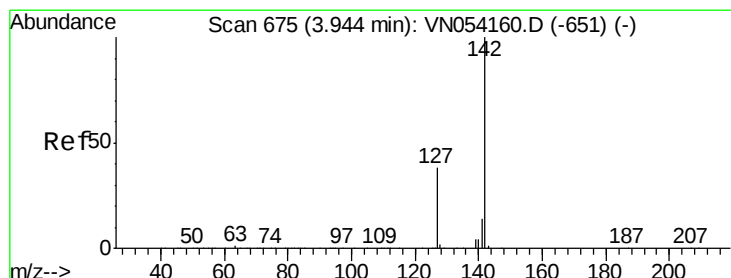
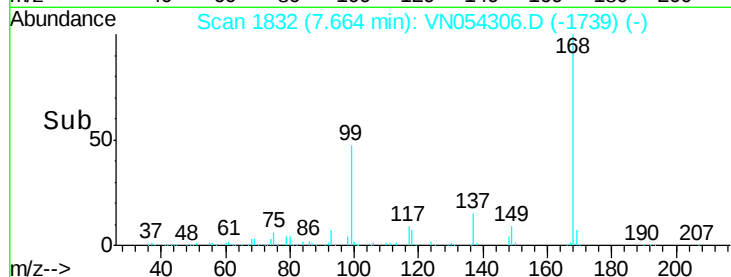
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.538 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

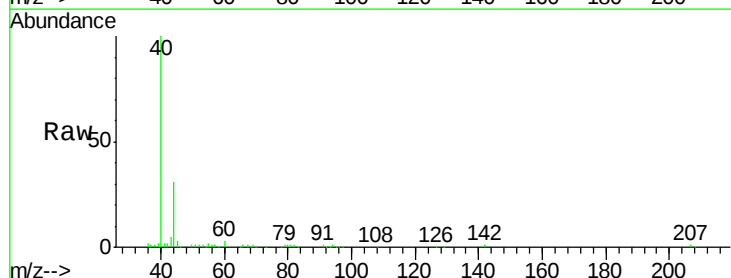
Tgt Ion:142 Resp: 869

Ion Ratio Lower Upper

142 100

127 16.0 30.3 45.5#

141 0.0 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

3.94

500

400

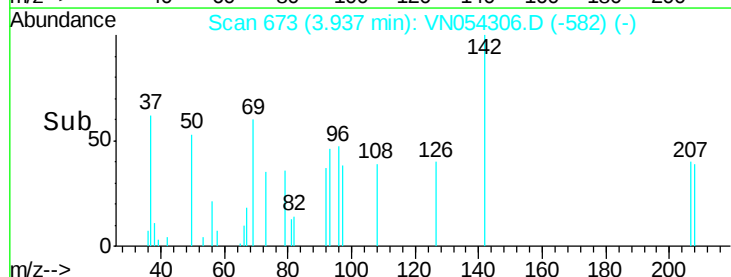
300

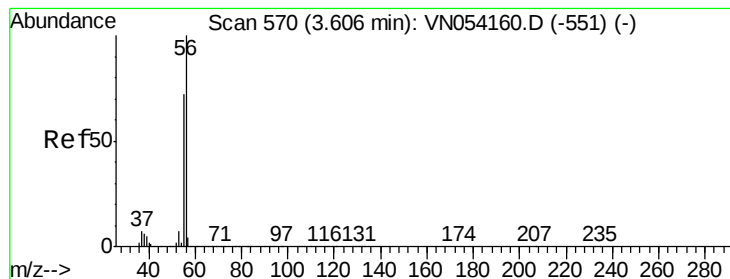
200

100

0

Time--> 3.90 3.92 3.94 3.96





#13

Acrolein

Concen: 0.647 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

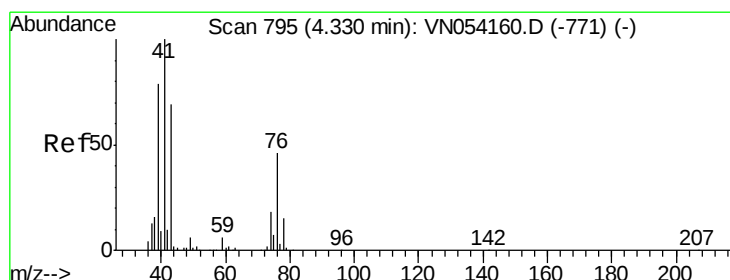
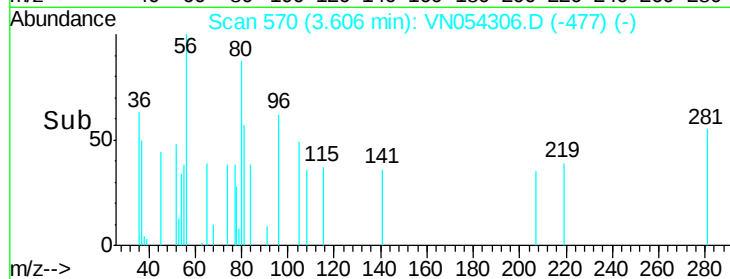
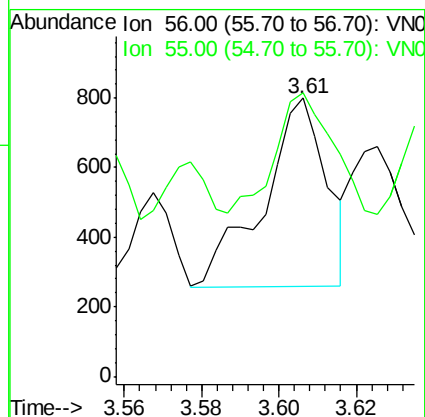
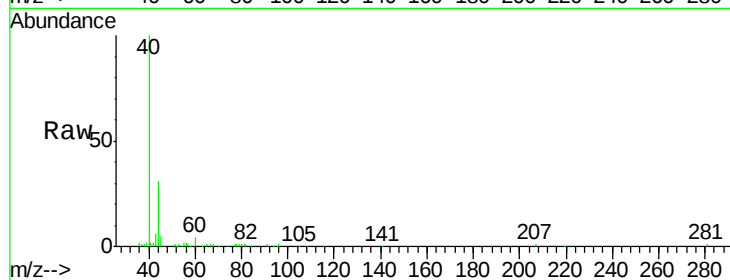
VN0315WBL01

Tot Ion: 56 Resp: 618

Ion Ratio Lower Upper

56 100

55 63.6 56.7 85.1



#18

Methyl Acetate

Concen: 0.510 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN054306.D

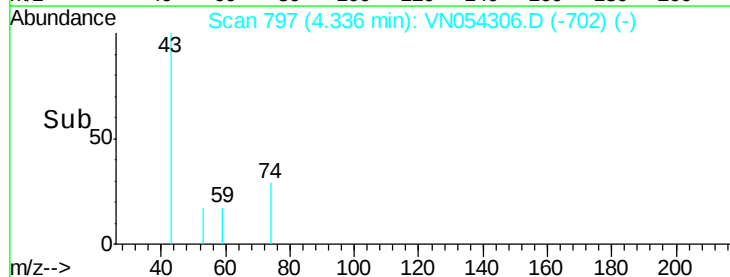
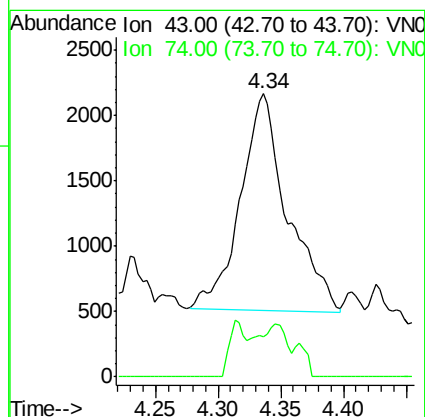
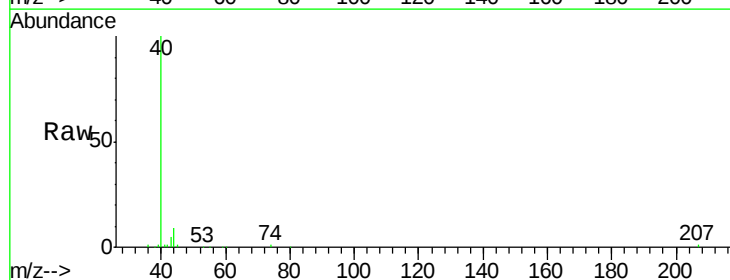
Acq: 15 Mar 2019 13:40

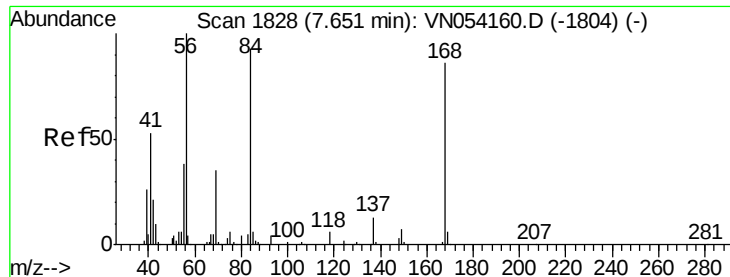
Tgt Ion: 43 Resp: 4345

Ion Ratio Lower Upper

43 100

74 4.6 20.8 31.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01

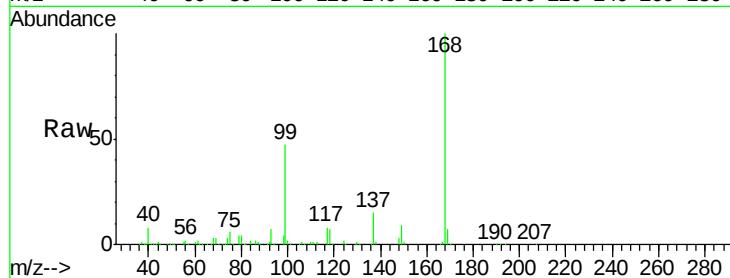
Tot Ion: 56 Resp: 20004

Ion Ratio Lower Upper

56 100

69 180.3 27.8 41.6#

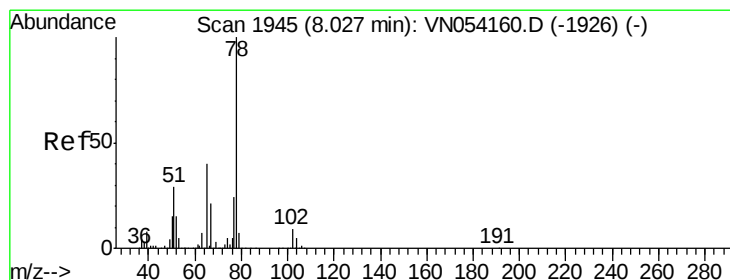
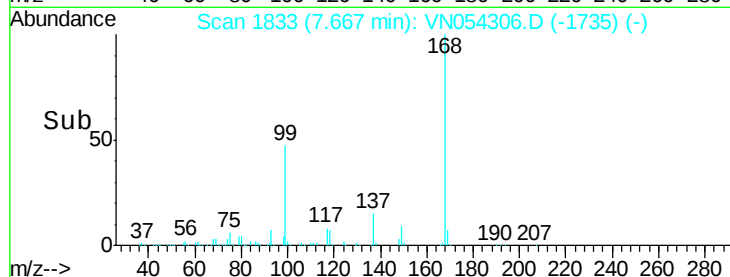
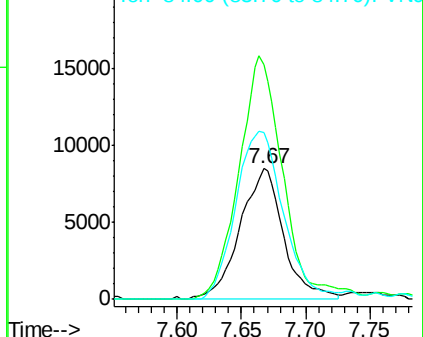
84 127.6 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 47.851 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054306.D

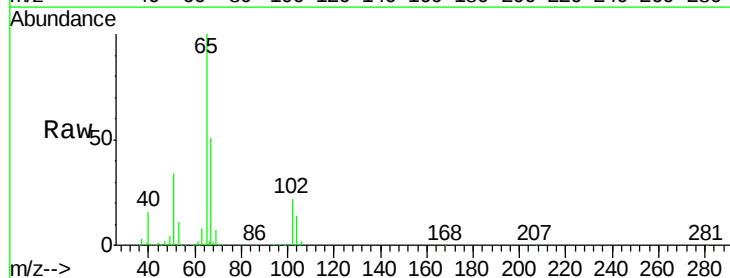
Acq: 15 Mar 2019 13:40

Tgt Ion: 65 Resp: 703321

Ion Ratio Lower Upper

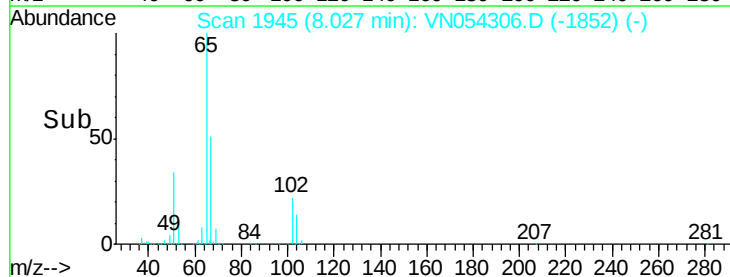
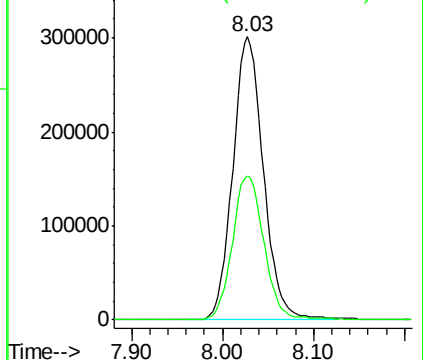
65 100

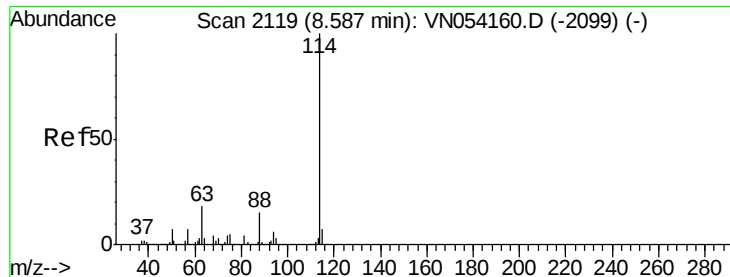
67 52.7 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01

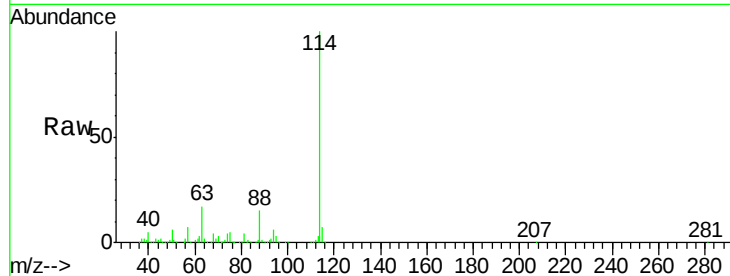
Tot Ion:114 Resp: 2282135

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.2

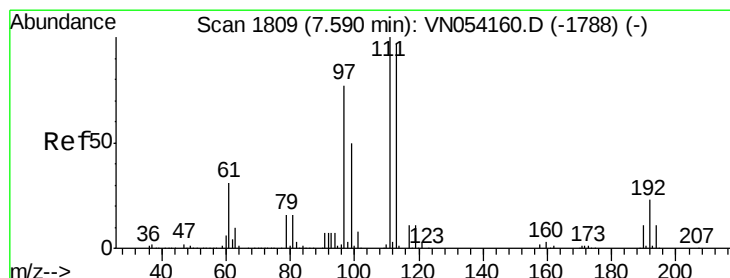
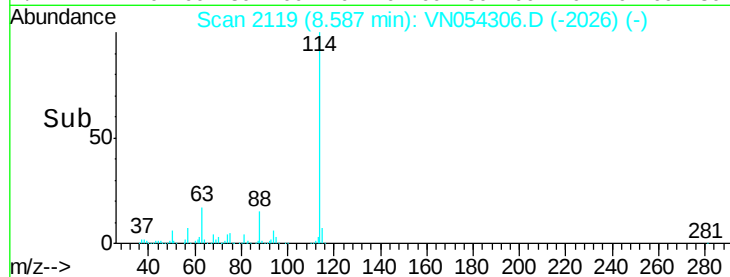
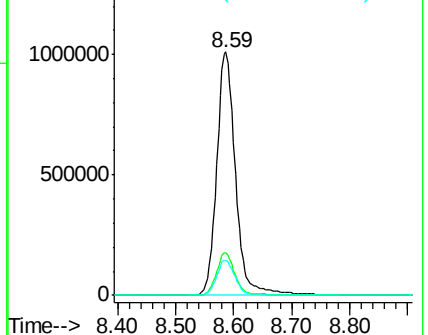
88 14.6 0.0 30.2



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: 46.892 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

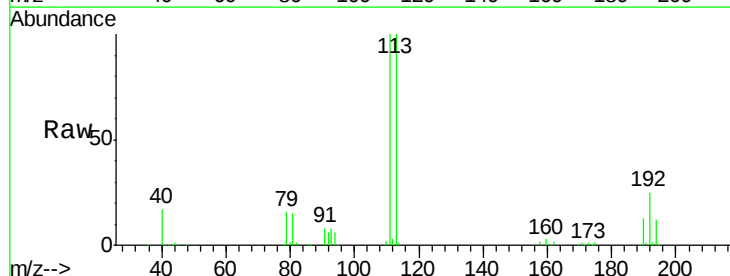
Tgt Ion:113 Resp: 690196

Ion Ratio Lower Upper

113 100

111 102.3 82.2 123.4

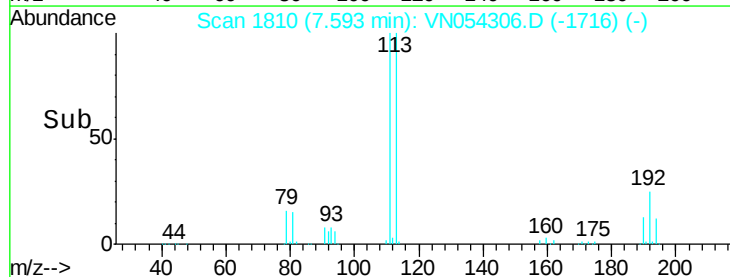
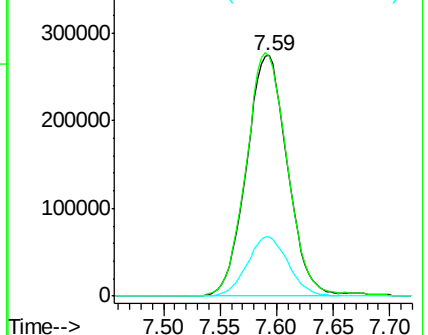
192 24.7 19.2 28.8

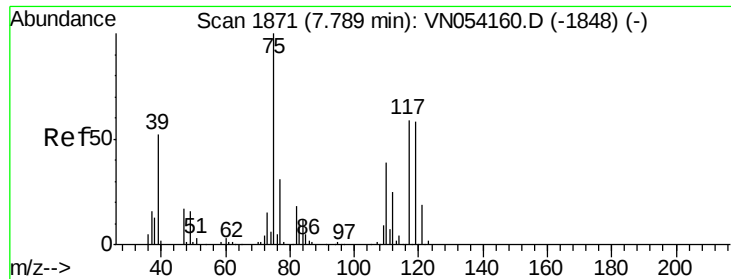


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.620 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01

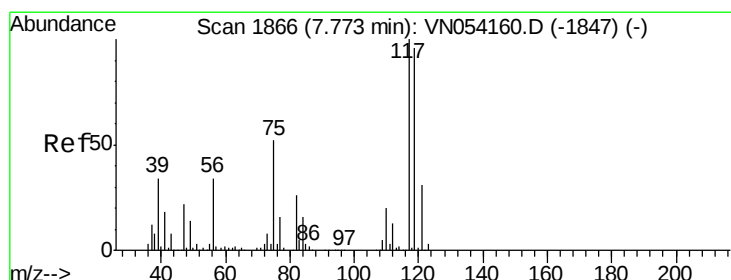
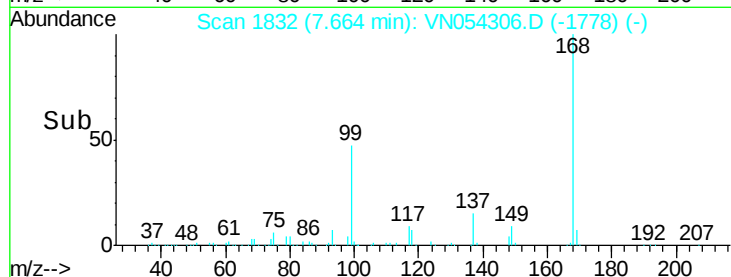
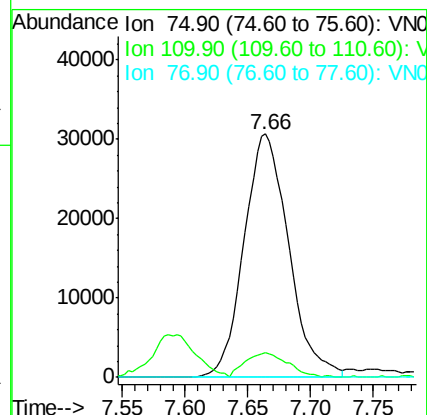
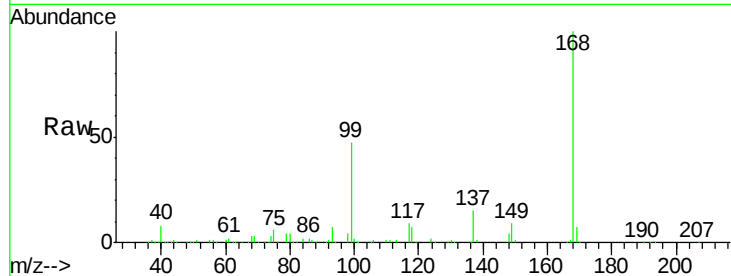
Tot Ion: 75 Resp: 76082

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.5#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.037 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

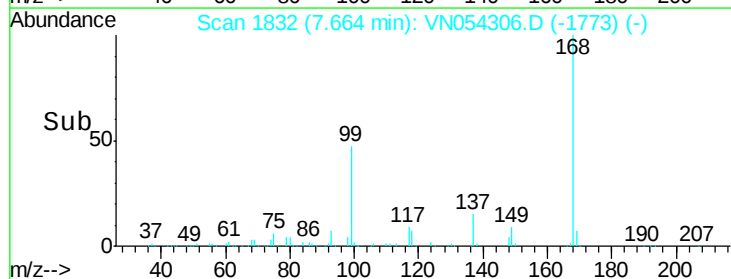
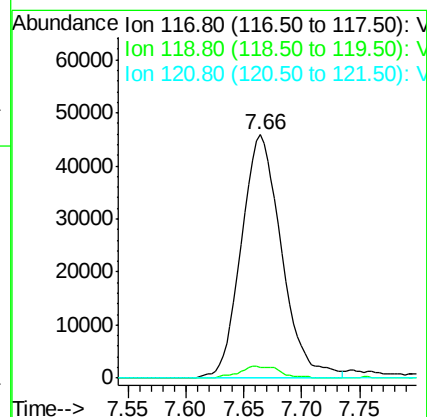
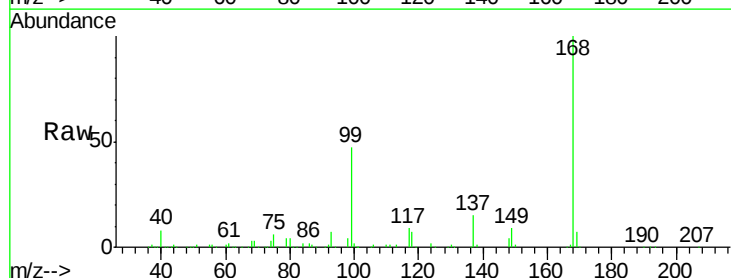
Tgt Ion:117 Resp: 111006

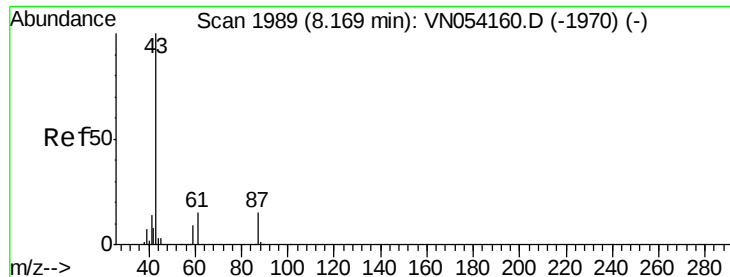
Ion Ratio Lower Upper

117 100

119 4.6 76.3 114.5#

121 0.0 24.6 36.8#



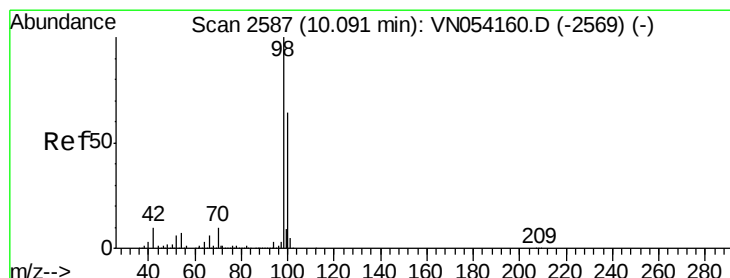
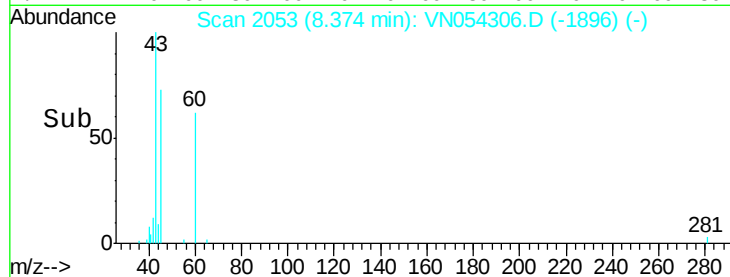
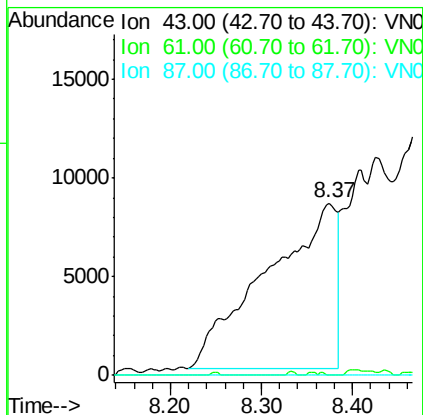
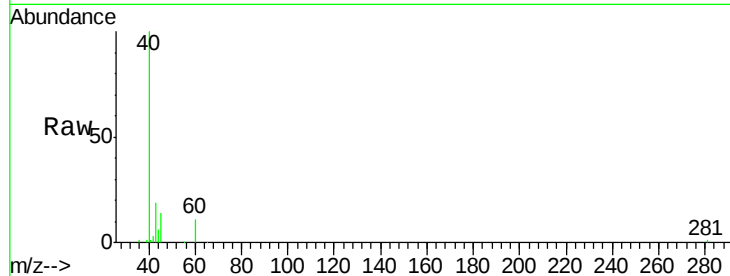


#43

Isopropyl Acetate
 Concen: 2.106 ug/l
 RT: 8.37 min Scan# 2053
 Delta R.T. 0.21 min
 Lab File: VN054306.D
 Acq: 15 Mar 2019 13:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0315WBL01

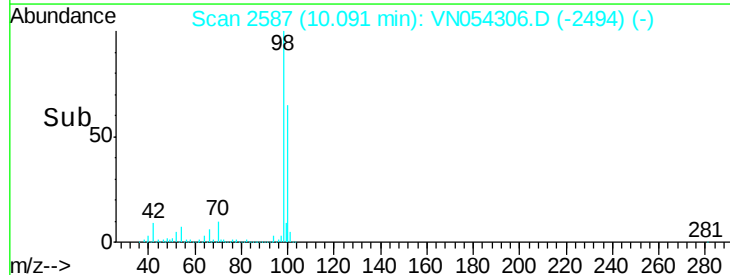
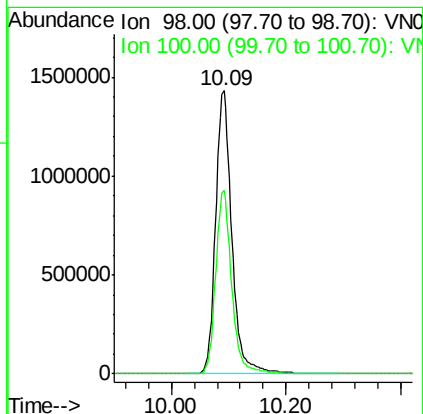
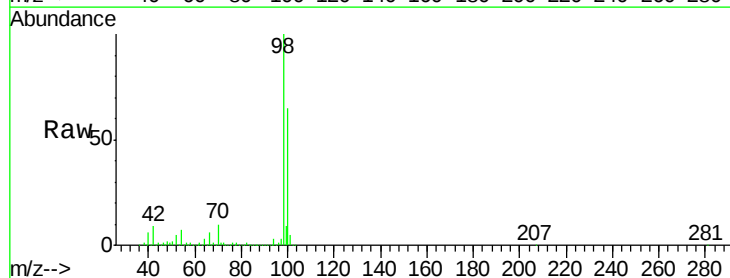
Tot Ion: 43 Resp: 44636
 Ion Ratio Lower Upper
 43 100
 61 0.0 15.8 23.8#
 87 0.0 12.0 18.0#

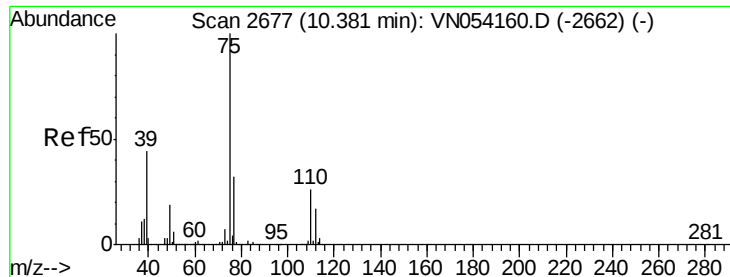


#50

Toluene-d8
 Concen: 52.156 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN054306.D
 Acq: 15 Mar 2019 13:40

Tgt Ion: 98 Resp: 2835129
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.2 76.8





#53

t-1,3-Dichloropropene

Concen: 2.008 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.29 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampled :

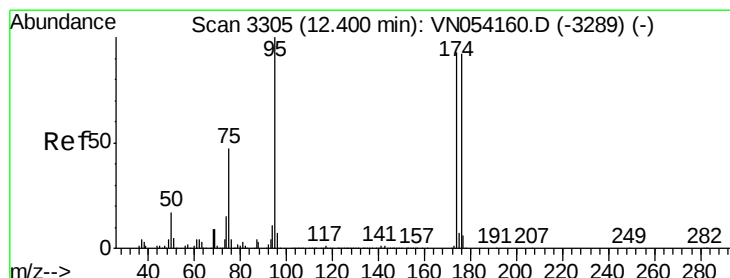
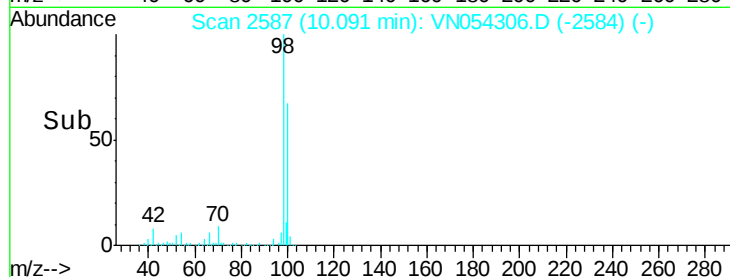
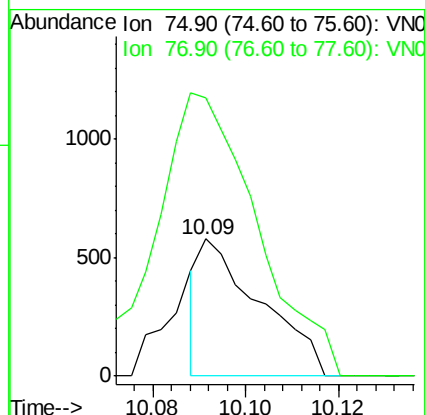
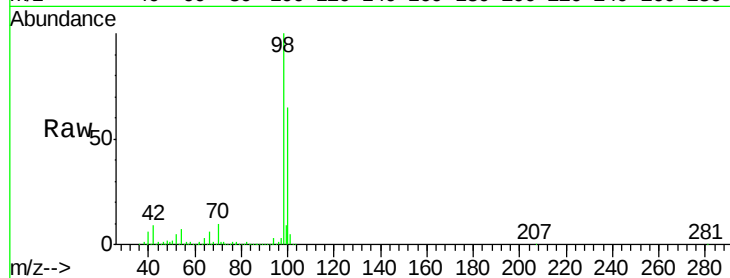
VN0315WBL01

Tot Ion: 75 Resp: 524

Ion Ratio Lower Upper

75 100

77 202.6 25.8 38.8#



#62

4-Bromofluorobenzene

Concen: 56.026 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

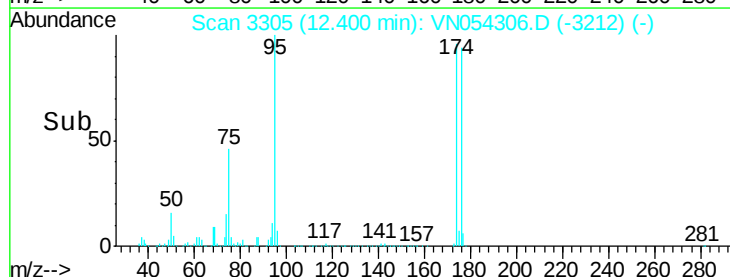
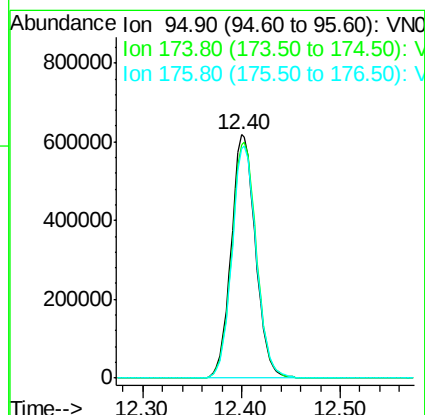
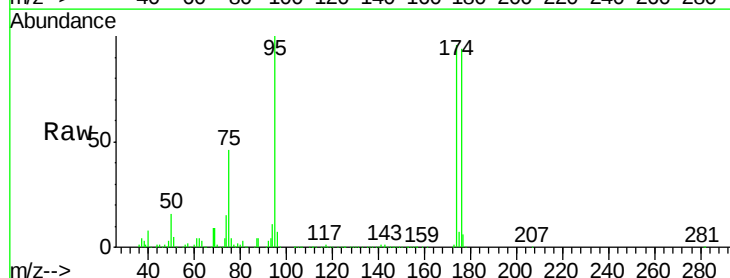
Tgt Ion: 95 Resp: 1065617

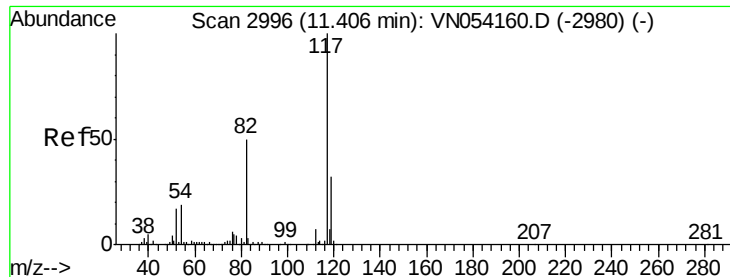
Ion Ratio Lower Upper

95 100

174 98.1 0.0 191.0

176 95.8 0.0 187.4

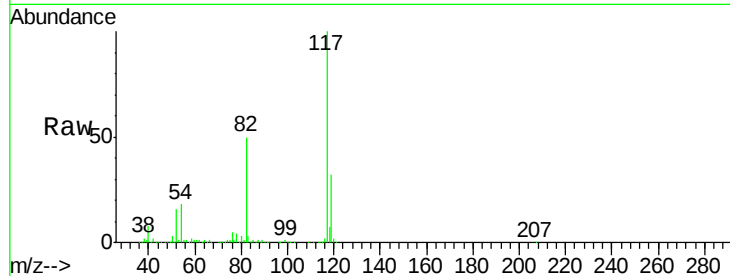




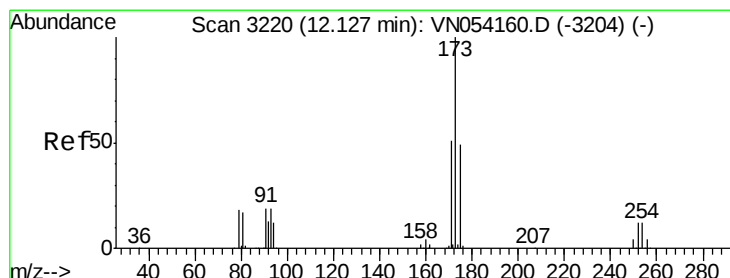
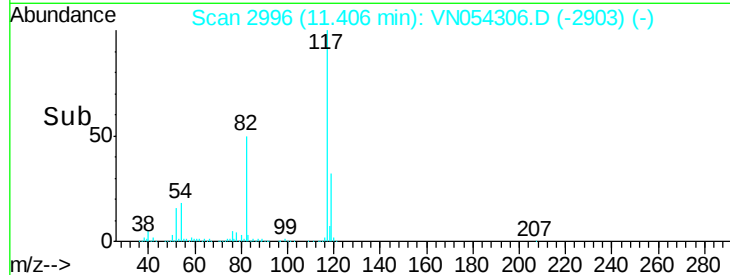
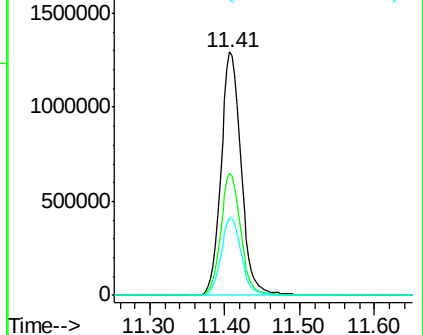
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054306.D
Acq: 15 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

Tot Ion:117 Resp: 2397423
Ion Ratio Lower Upper
117 100
82 50.1 40.0 60.0
119 31.9 25.8 38.6

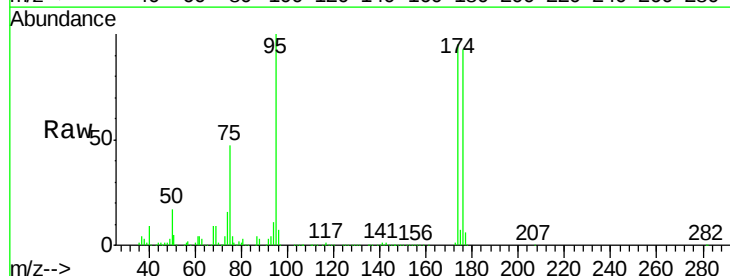


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

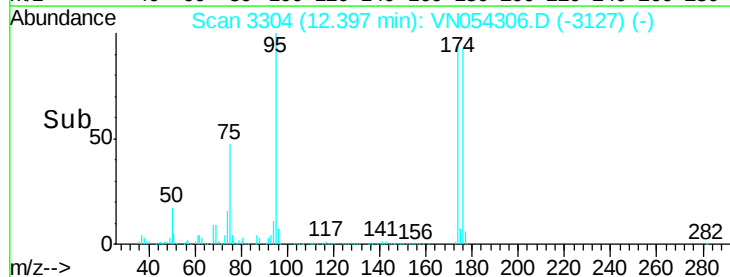
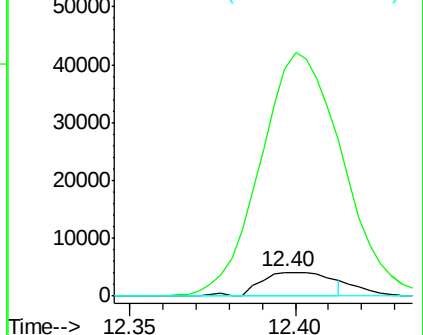


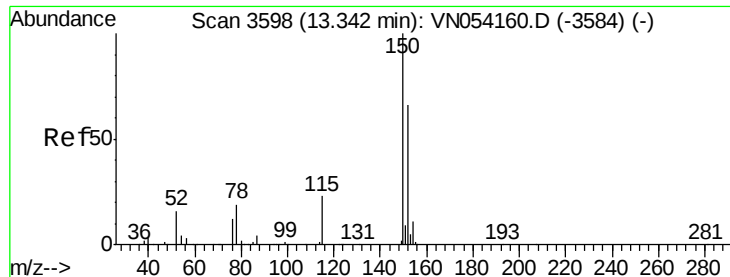
#71
Bromoform
Concen: 2.743 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN054306.D
Acq: 15 Mar 2019 13:40

Tgt Ion:173 Resp: 5998
Ion Ratio Lower Upper
173 100
175 1035.5 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: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054306.D

Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01

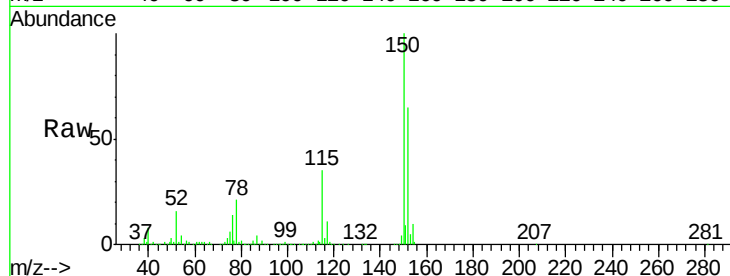
Tot Ion:152 Resp: 951324

Ion Ratio Lower Upper

152 100

115 54.3 27.2 81.6

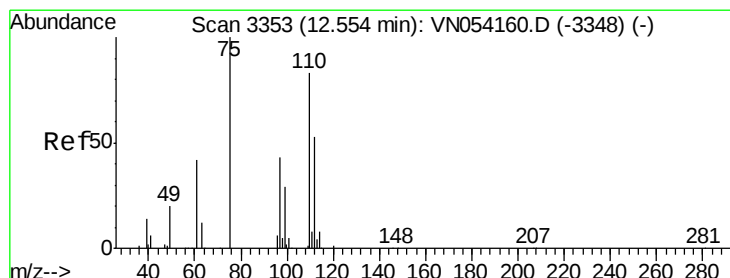
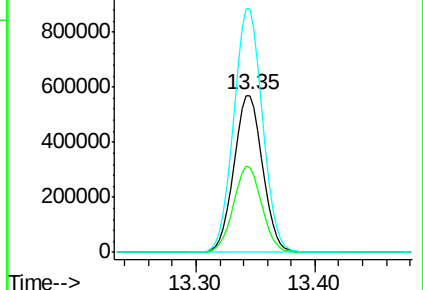
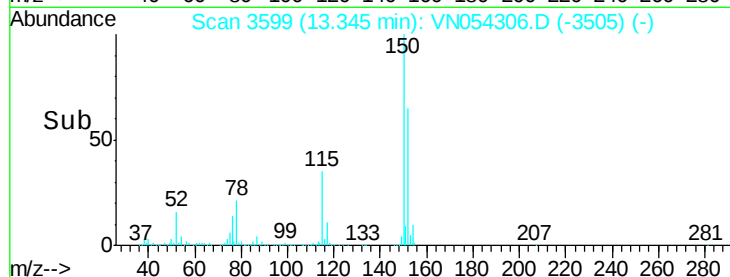
150 155.8 0.0 349.2



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: 35.301 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054306.D

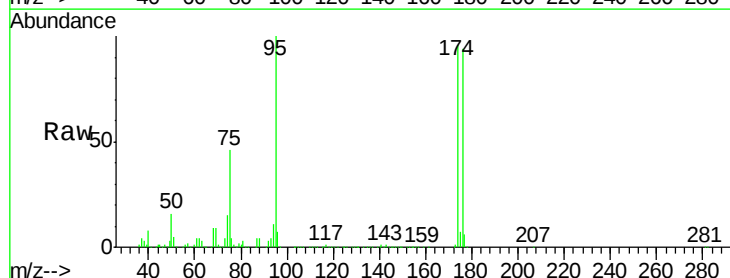
Acq: 15 Mar 2019 13:40

Tgt Ion: 75 Resp: 493847

Ion Ratio Lower Upper

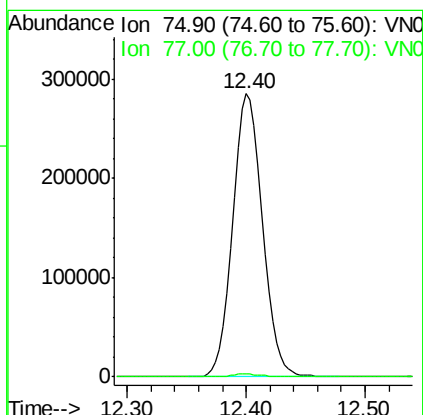
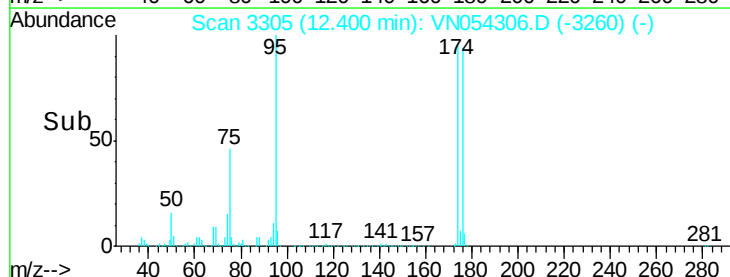
75 100

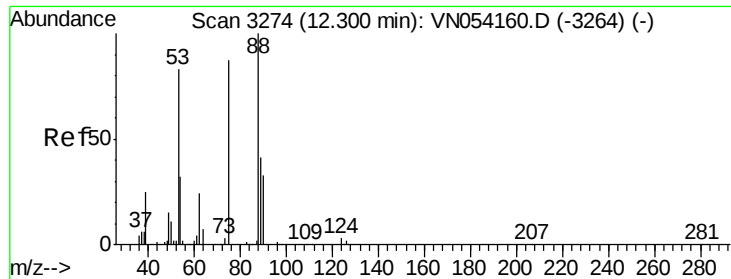
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

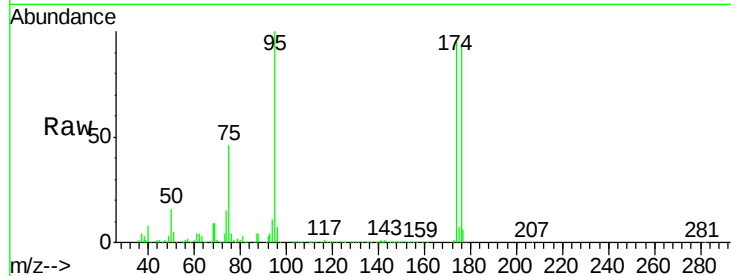




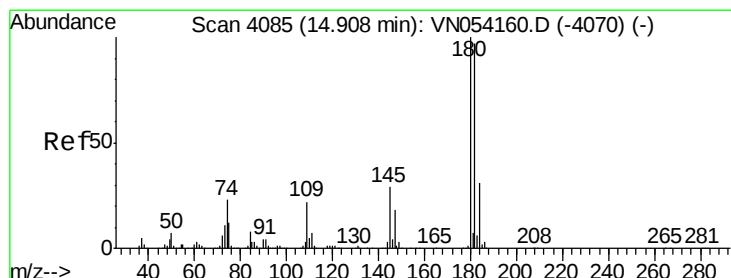
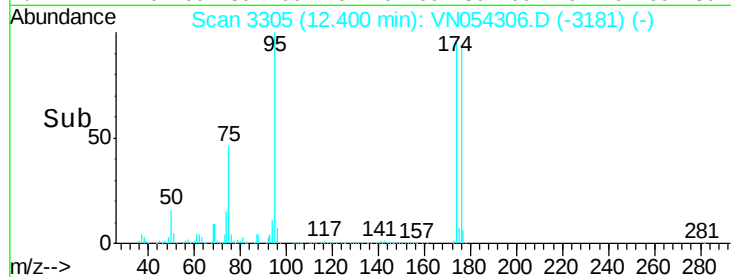
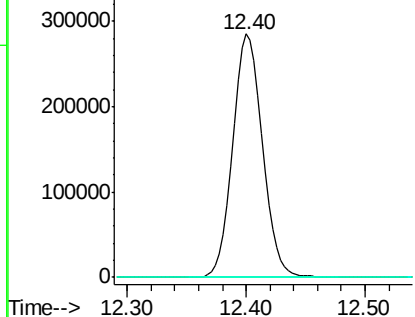
#81
trans-1,4-Dichloro-2-butene
Concen: 120.674 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN054306.D
Acq: 15 Mar 2019 13:40

Instrument :
MSVOA_N
ClientSampleId :
VN0315WBL01

Tot Ion: 75 Resp: 493847
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.2#
89 0.0 39.2 58.8#

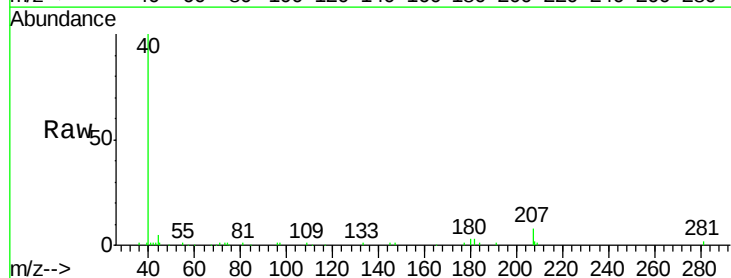


Abundance Ion 74.90 (74.60 to 75.60): VN054306.D (-3181) (-)
Ion 53.00 (52.70 to 53.70): VN054306.D (-3181) (-)
Ion 88.90 (88.60 to 89.60): VN054306.D (-3181) (-)

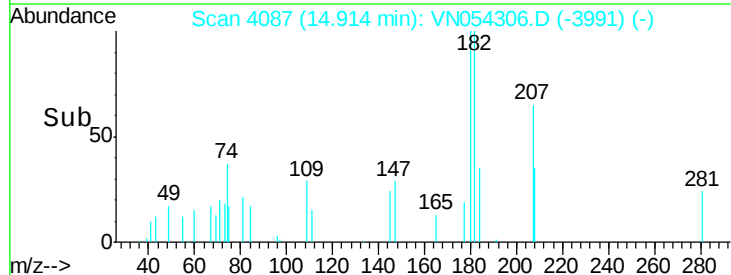
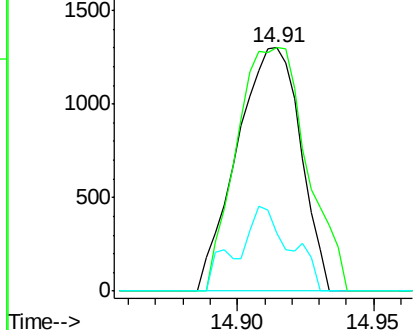


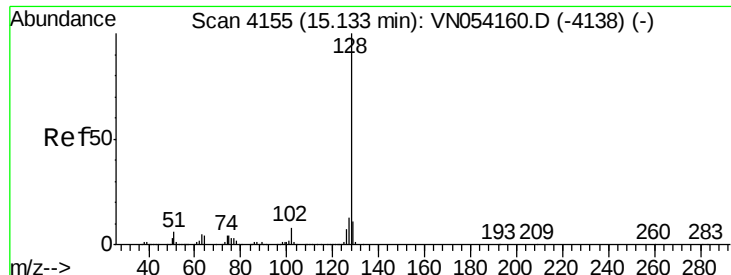
#93
1,2,4-Trichlorobenzene
Concen: 2.616 ug/l
RT: 14.91 min Scan# 4087
Delta R.T. 0.01 min
Lab File: VN054306.D
Acq: 15 Mar 2019 13:40

Tgt Ion: 180 Resp: 2107
Ion Ratio Lower Upper
180 100
182 110.2 48.0 144.2
145 21.9 14.2 42.8



Abundance Ion 179.80 (179.50 to 180.50): VN054306.D (-3991) (-)
Ion 181.80 (181.50 to 182.50): VN054306.D (-3991) (-)
Ion 144.80 (144.50 to 145.50): VN054306.D (-3991) (-)





#95

Naphthalene

Concen: 3.702 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054306.D

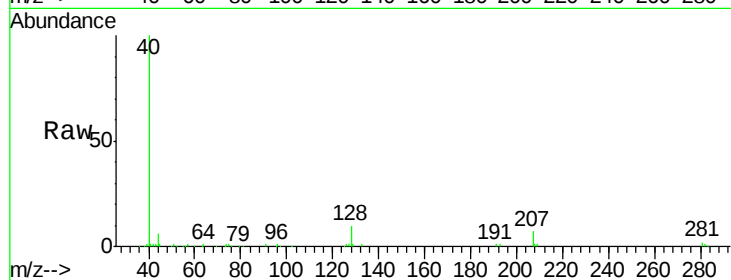
Acq: 15 Mar 2019 13:40

Instrument :

MSVOA_N

ClientSampleId :

VN0315WBL01



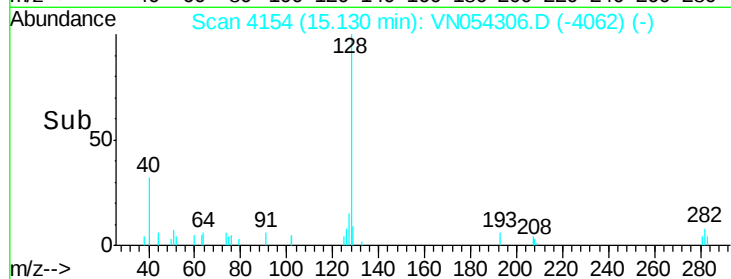
Tot Ion:128 Resp: 10406

Ion Ratio Lower Upper

128 100

127 14.1 10.1 15.1

129 8.5 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

