

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054338.D
 Acq On : 16 Mar 2019 15:51
 Operator : JC/SP
 Sample : K1960-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-031419-01

Quant Time: Mar 18 04:50:38 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	7.67	168	1871885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2674059	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2162746	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	734682	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	902451	45.40	ug/l	0.00
Spiked Amount 50.000			Recovery =	90.80%		
35) Dibromofluoromethane	7.59	113	814606	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.46%		
50) Toluene-d8	10.09	98	3039926	47.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.46%		
62) 4-Bromofluorobenzene	12.40	95	875485	39.28	ug/l	0.00
Spiked Amount 50.000			Recovery =	78.56%		

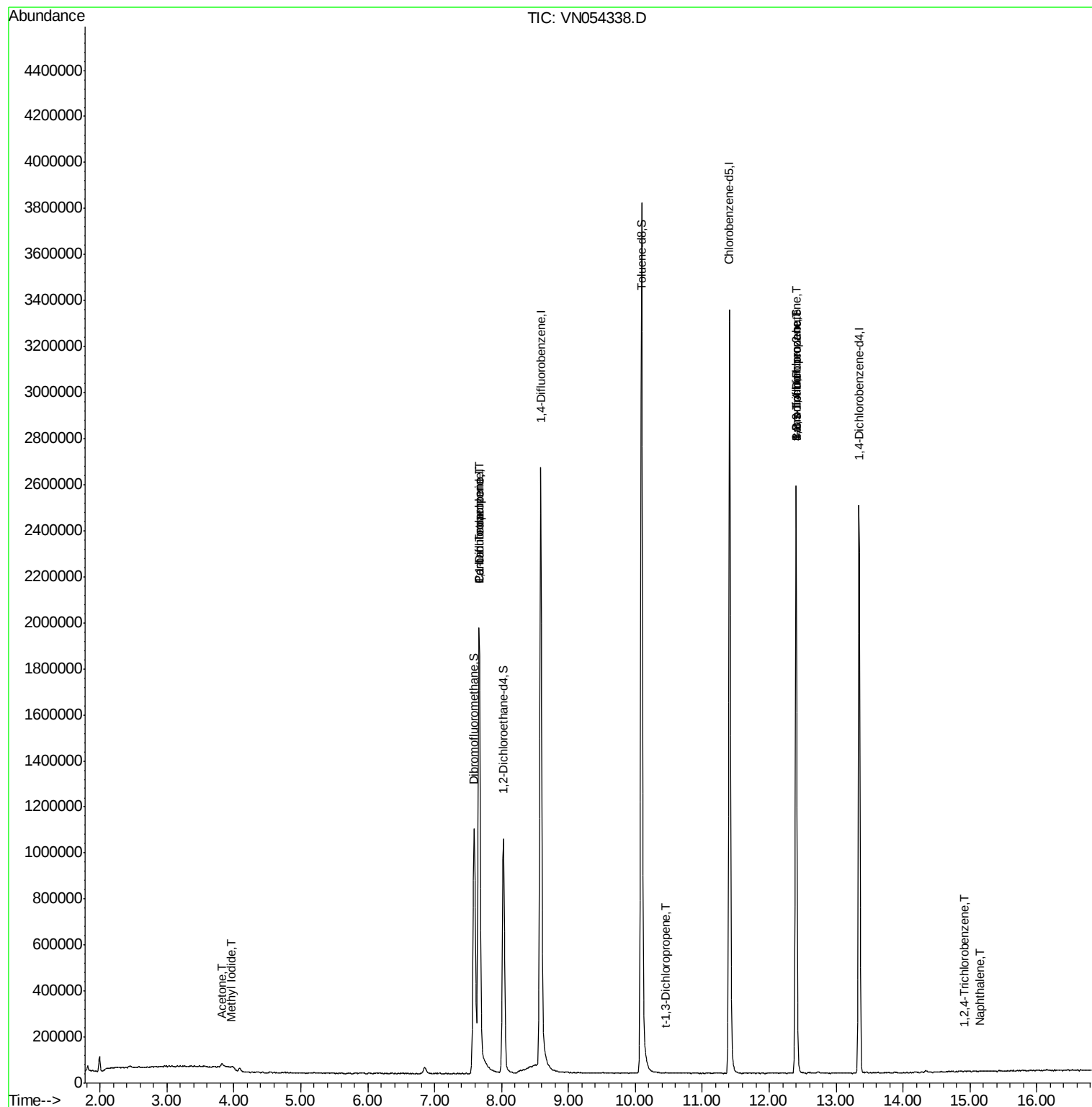
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.95	142	103	1.501	ug/l #	1
16) Acetone	3.82	43	21135	3.713	ug/l	94
31) Cyclohexane	7.66	56	28969	Below Cal	#	8
36) 1,1-Dichloropropene	7.66	75	112441	4.566	ug/l #	48
38) Carbon Tetrachloride	7.66	117	153044	5.926	ug/l #	16
53) t-1,3-Dichloropropene	10.45	75	62	1.988	ug/l #	1
71) Bromoform	12.40	173	5277	2.733	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	421985	39.059	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	421985	133.521	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	587	2.553	ug/l #	52
95) Naphthalene	15.14	128	2081	3.530	ug/l #	74

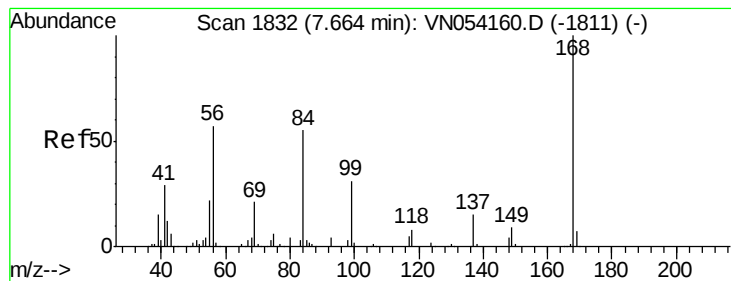
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031619\
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Quant Time: Mar 18 04:50:38 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: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

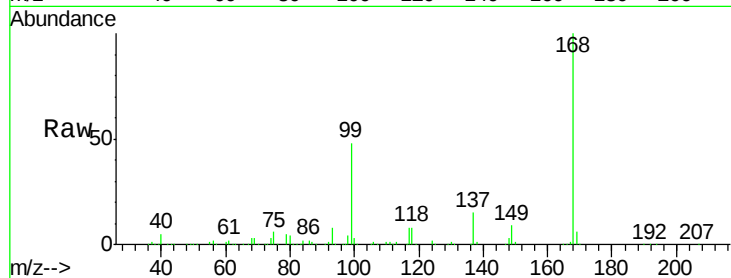
FB-031419-01

Tot Ion:168 Resp: 1871885

Ion Ratio Lower Upper

168 100

99 47.5 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

800000

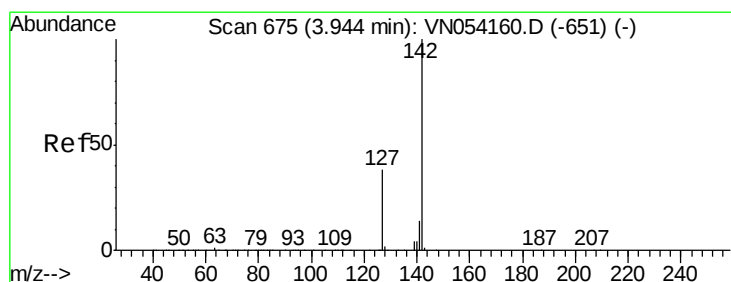
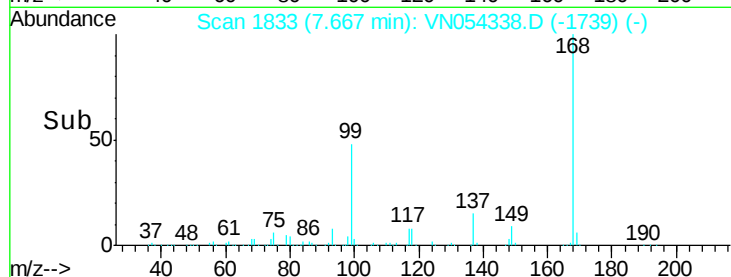
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#10

Methyl Iodide

Concen: 1.501 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.01 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

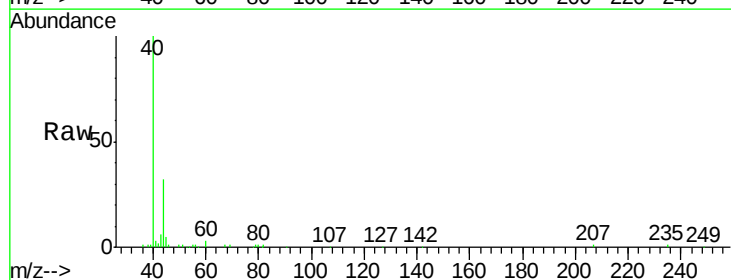
Tgt Ion:142 Resp: 103

Ion Ratio Lower Upper

142 100

127 137.9 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

250

200

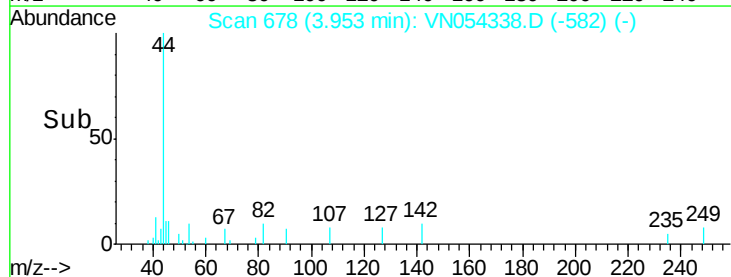
150

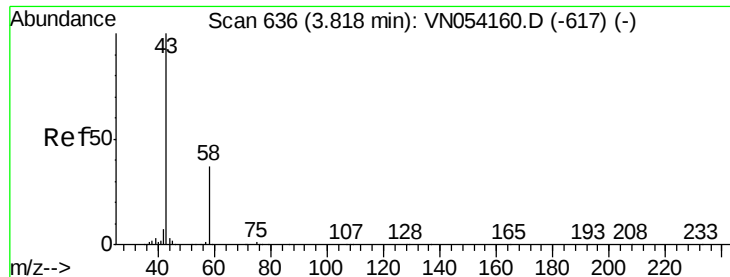
100

50

0

Time--> 3.94 3.95 3.96

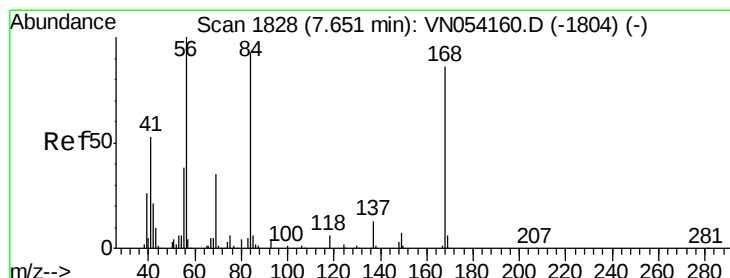
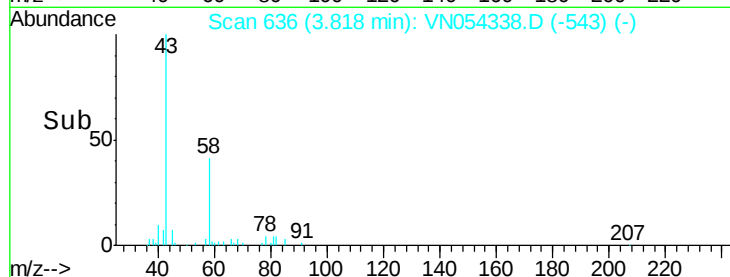
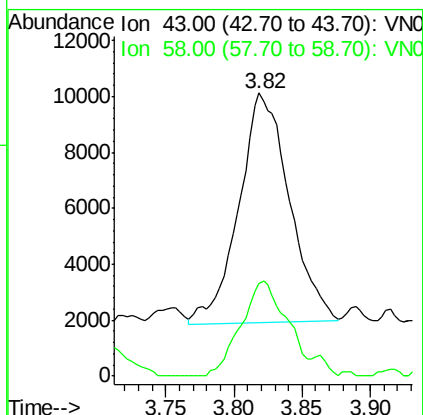
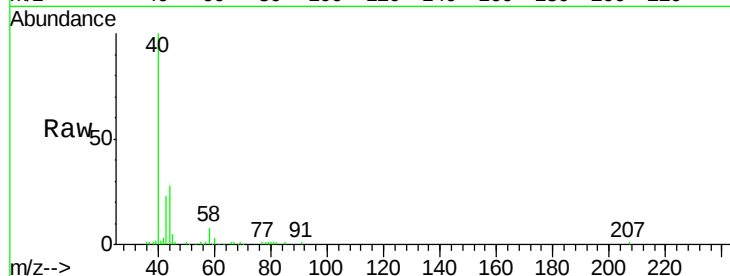




#16
Acetone
Concen: 3.713 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN054338.D
Acq: 16 Mar 2019 15:51

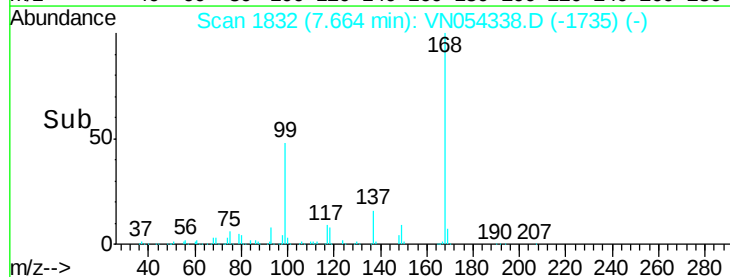
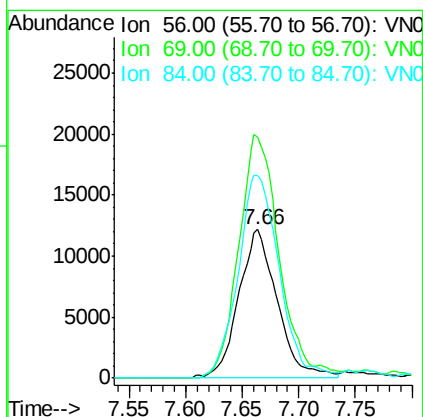
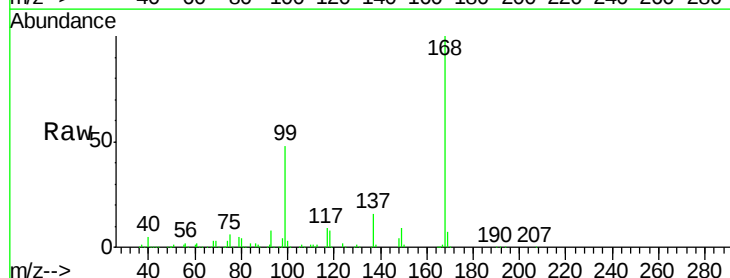
Instrument :
MSVOA_N
ClientSampleId :
FB-031419-01

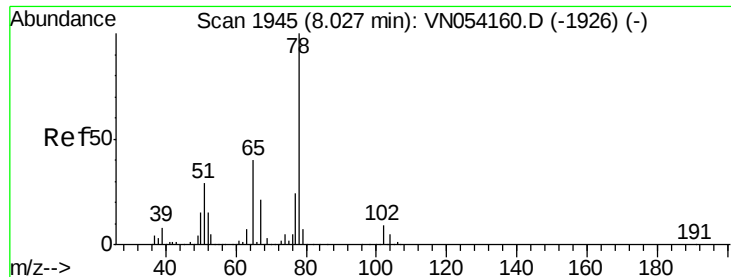
Tot Ion: 43 Resp: 21135
Ion Ratio Lower Upper
43 100
58 40.9 29.9 44.9



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN054338.D
Acq: 16 Mar 2019 15:51

Tgt Ion: 56 Resp: 28969
Ion Ratio Lower Upper
56 100
69 161.6 27.8 41.6#
84 136.3 74.6 111.8#





#33

1,2-Dichloroethane-d4

Concen: 45.396 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

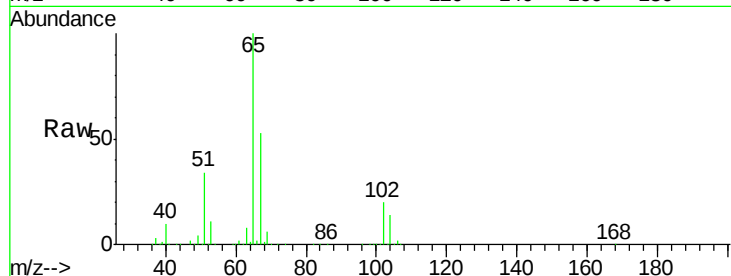
FB-031419-01

Tot Ion: 65 Resp: 902451

Ion Ratio Lower Upper

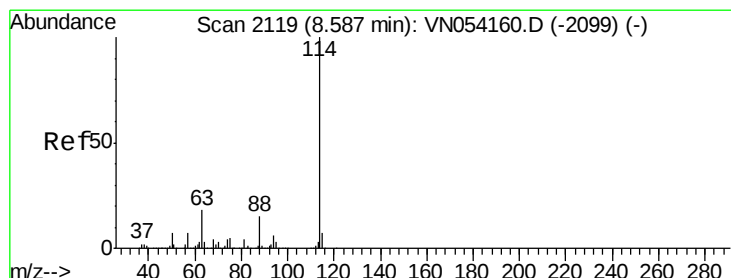
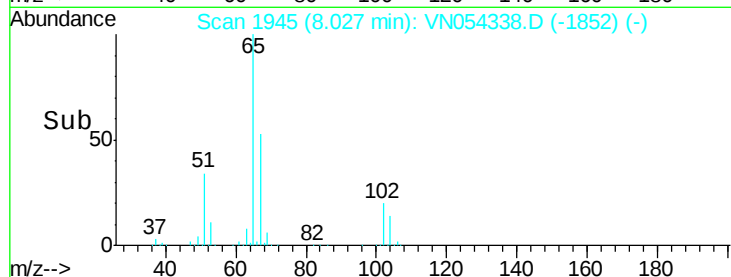
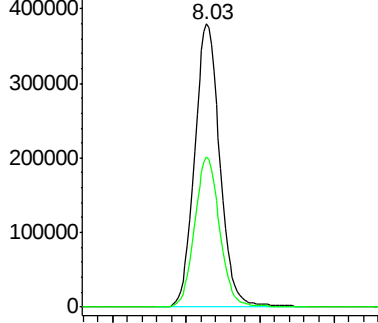
65 100

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: VN054338.D

Acq: 16 Mar 2019 15:51

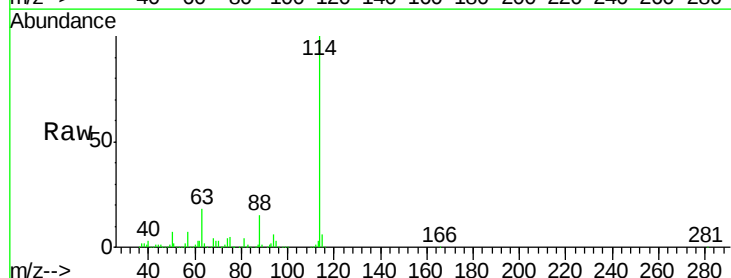
Tgt Ion: 114 Resp: 2674059

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.2

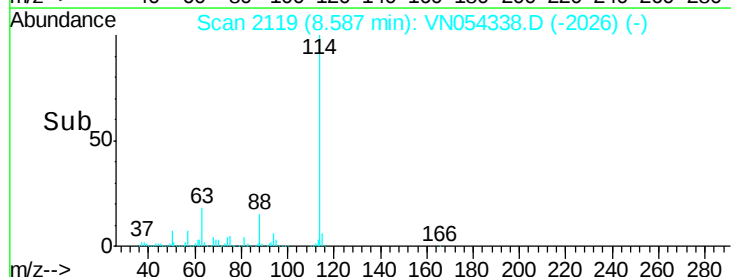
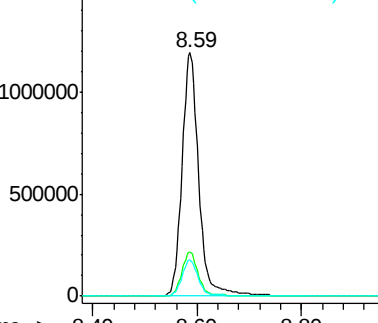
88 14.9 0.0 30.2

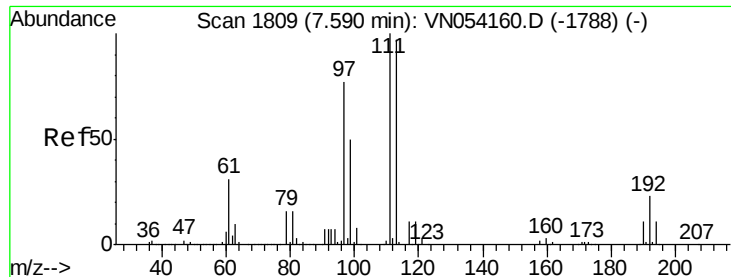


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

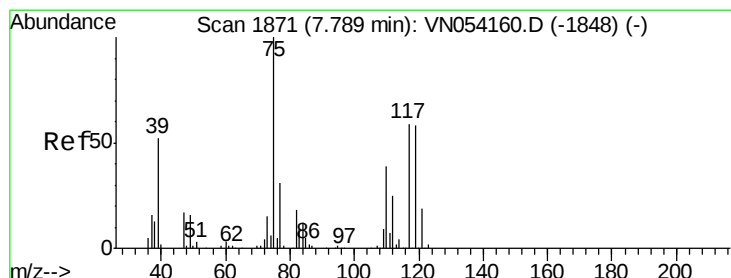
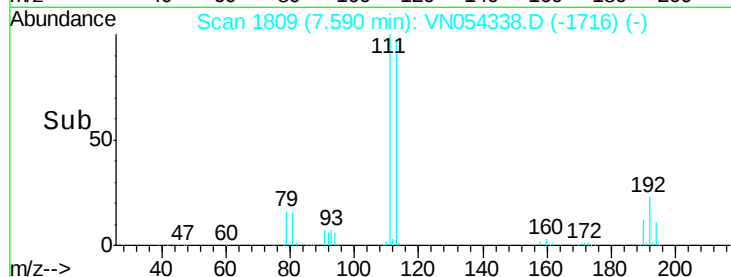
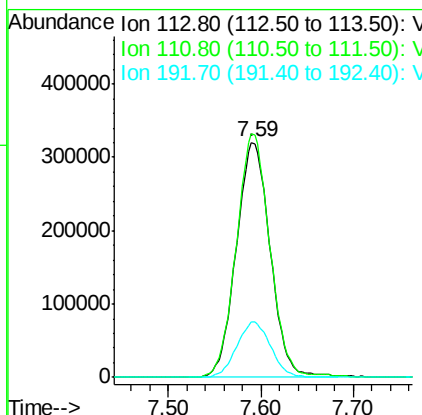
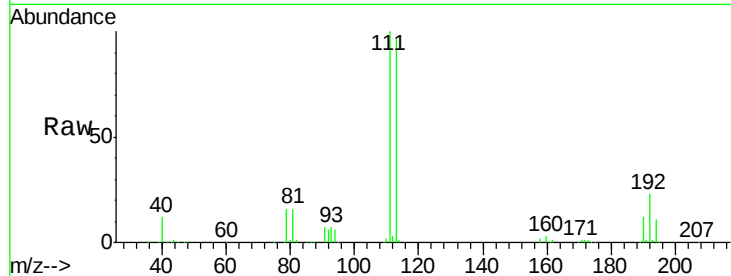




#35
 Dibromofluoromethane
 Concen: 47.233 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054338.D
 Acq: 16 Mar 2019 15:51

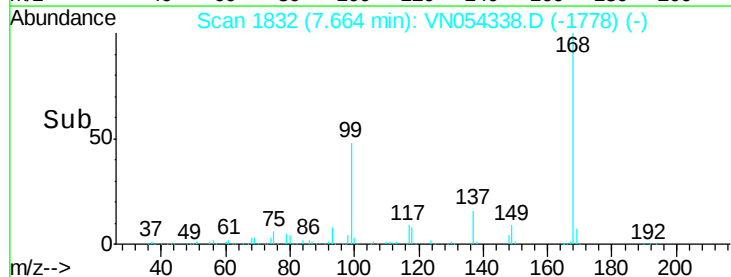
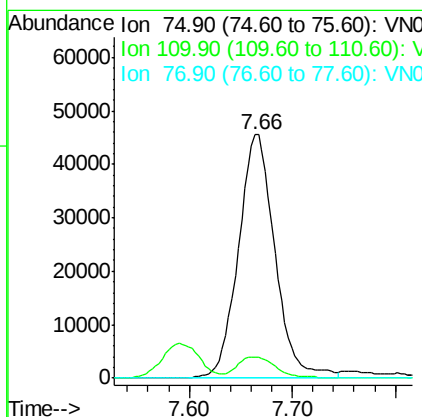
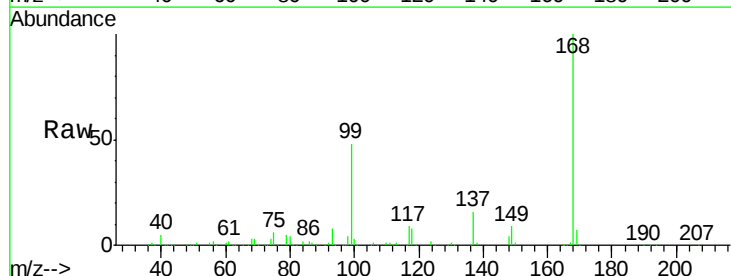
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-031419-01

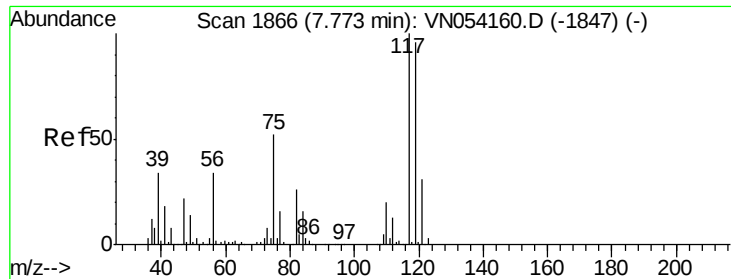
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.2	123.4
192	23.5	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 4.566 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054338.D
 Acq: 16 Mar 2019 15:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 5.926 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

FB-031419-01

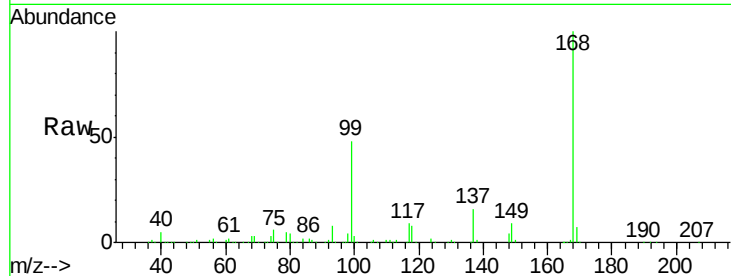
Tot Ion:117 Resp: 153044

Ion Ratio Lower Upper

117 100

119 4.7 76.3 114.5#

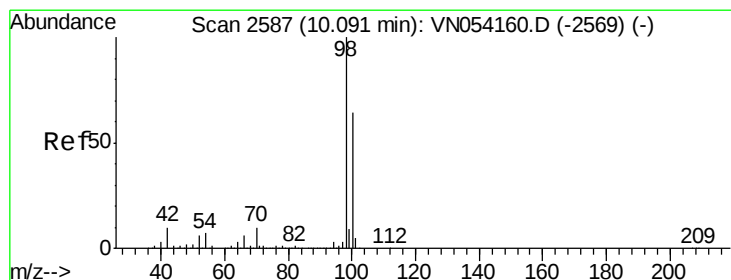
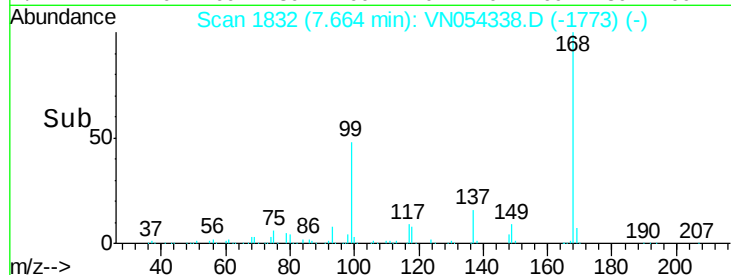
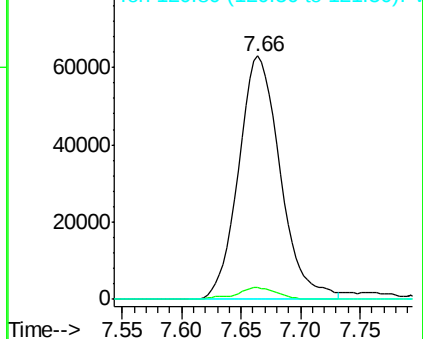
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 47.727 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054338.D

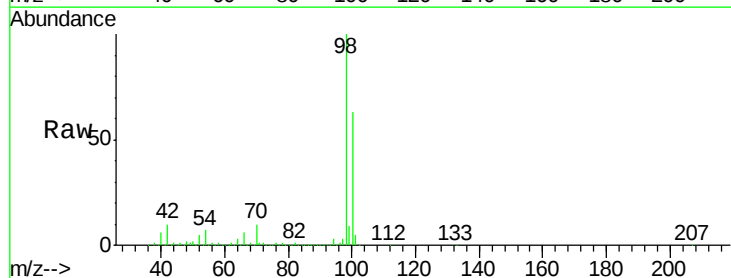
Acq: 16 Mar 2019 15:51

Tgt Ion: 98 Resp: 3039926

Ion Ratio Lower Upper

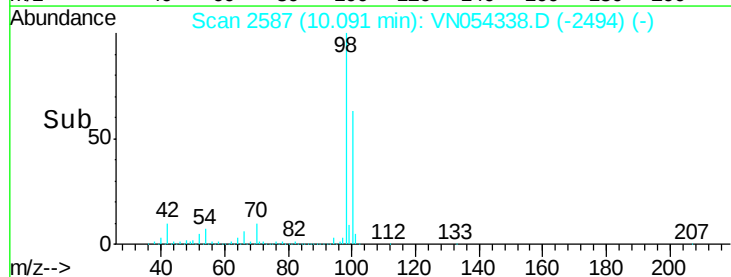
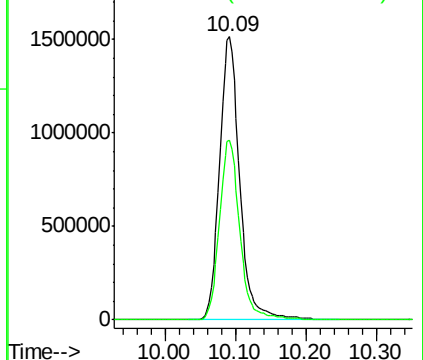
98 100

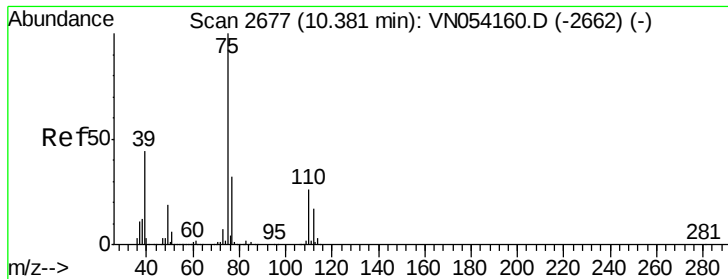
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#53

t-1,3-Dichloropropene

Concen: 1.988 ug/l

RT: 10.45 min Scan# 2700

Delta R.T. 0.07 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampled :

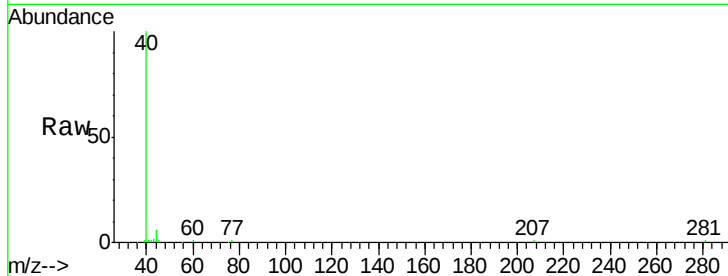
FB-031419-01

Tot Ion: 75 Resp: 62

Ion Ratio Lower Upper

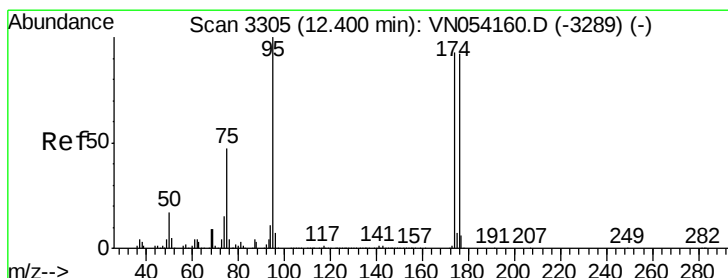
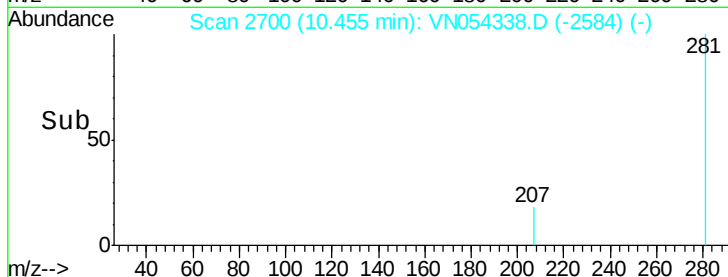
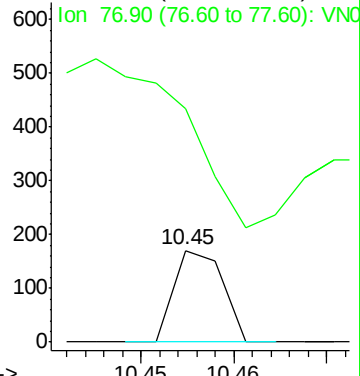
75 100

77 116.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 39.283 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

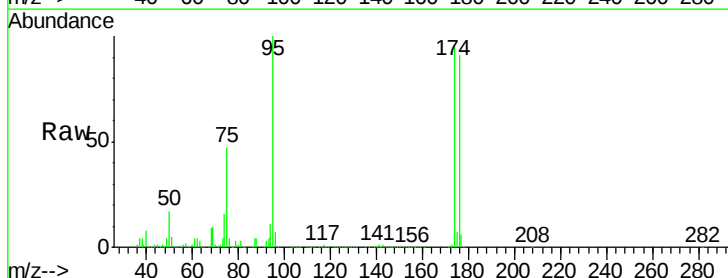
Tgt Ion: 95 Resp: 875485

Ion Ratio Lower Upper

95 100

174 97.4 0.0 191.0

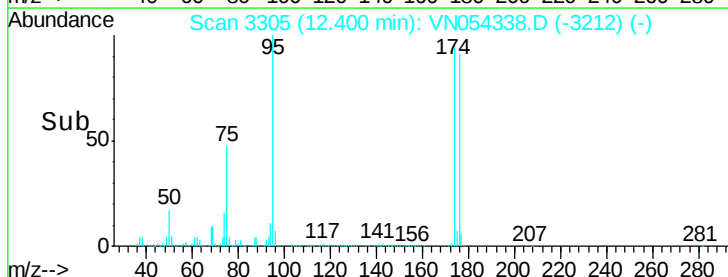
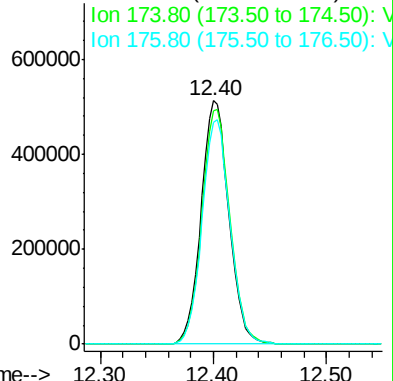
176 93.2 0.0 187.4

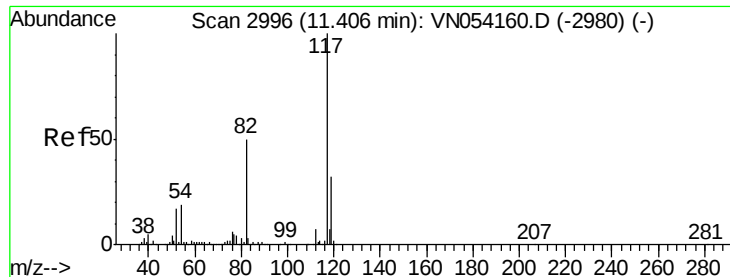


Abundance Ion 94.90 (94.60 to 95.60): VN0

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: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

FB-031419-01

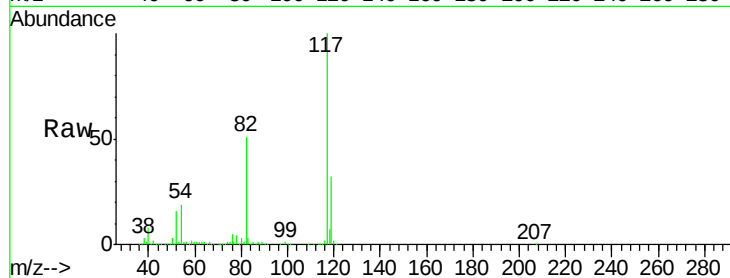
Tot Ion:117 Resp: 2162746

Ion Ratio Lower Upper

117 100

82 51.1 40.0 60.0

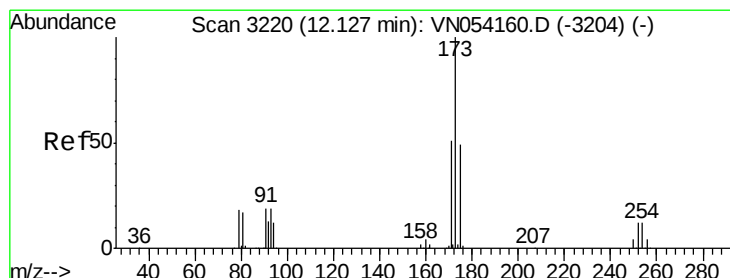
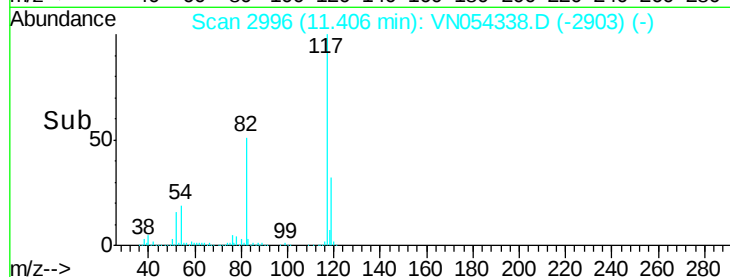
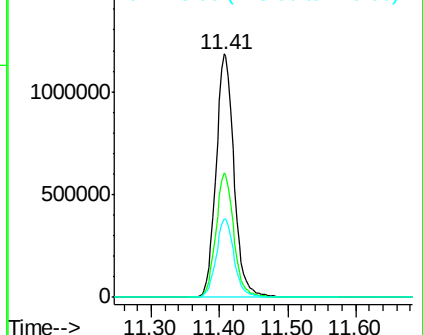
119 32.4 25.8 38.6



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: 2.733 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

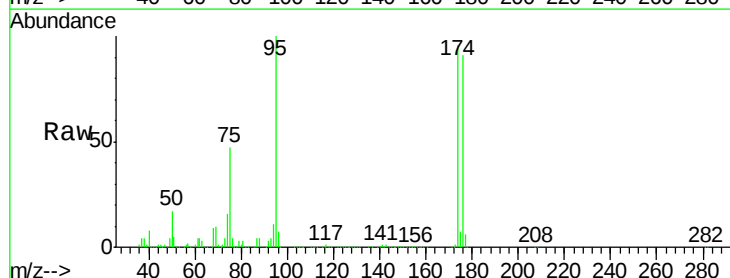
Tgt Ion:173 Resp: 5277

Ion Ratio Lower Upper

173 100

175 967.0 24.4 73.2#

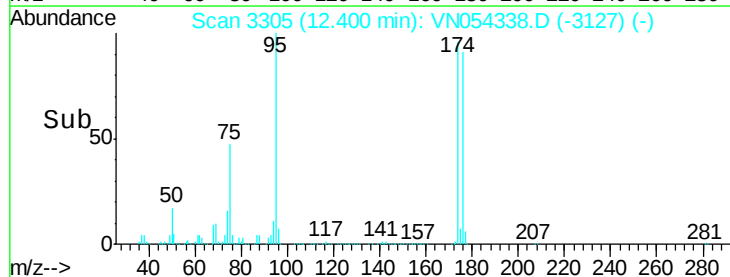
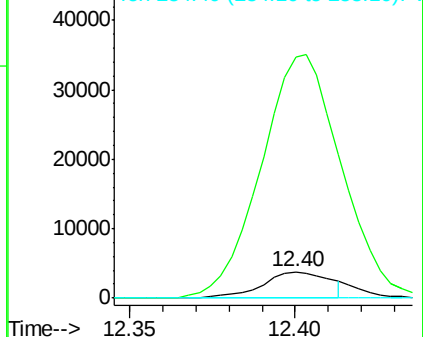
254 0.0 0.1 0.1#

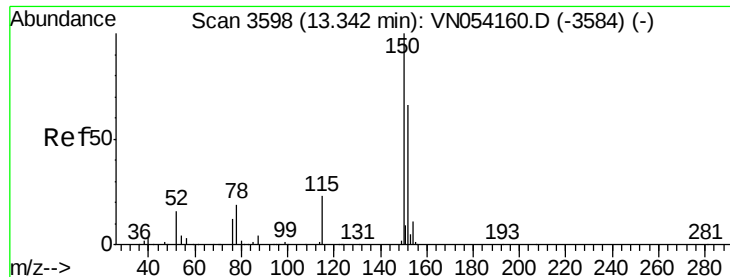


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

FB-031419-01

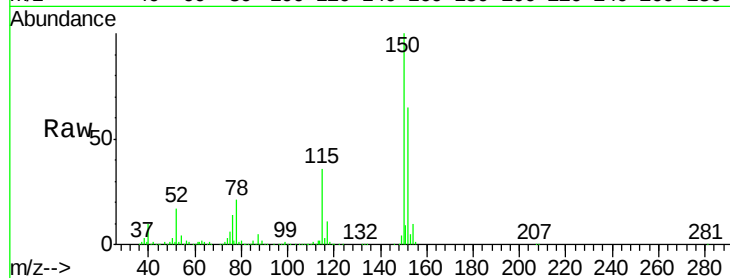
Tot Ion:152 Resp: 734682

Ion Ratio Lower Upper

152 100

115 56.0 27.2 81.6

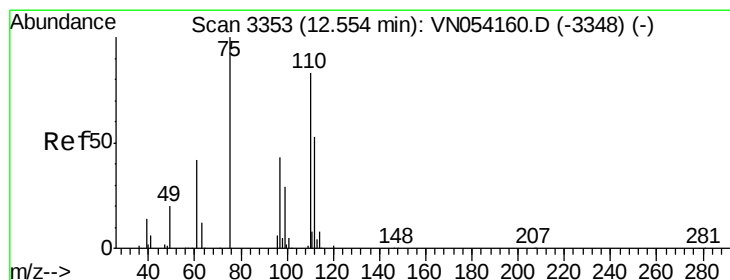
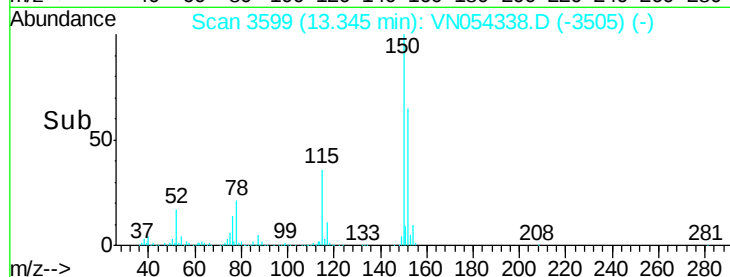
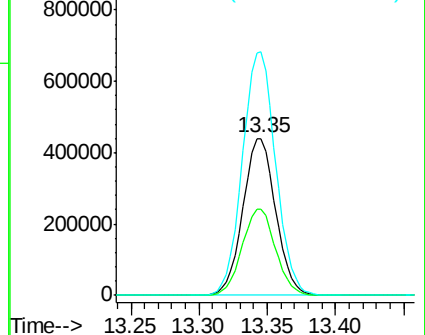
150 157.3 0.0 349.2



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: 39.059 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054338.D

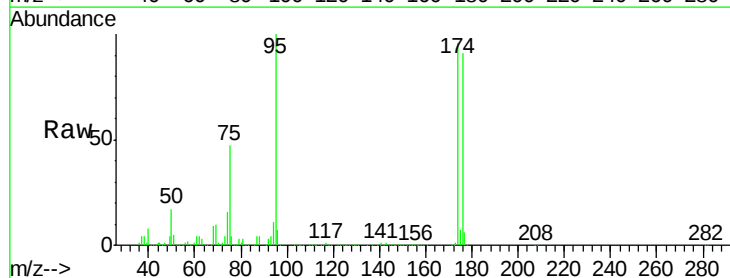
Acq: 16 Mar 2019 15:51

Tgt Ion: 75 Resp: 421985

Ion Ratio Lower Upper

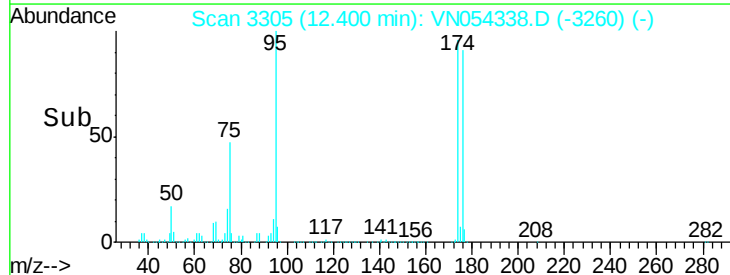
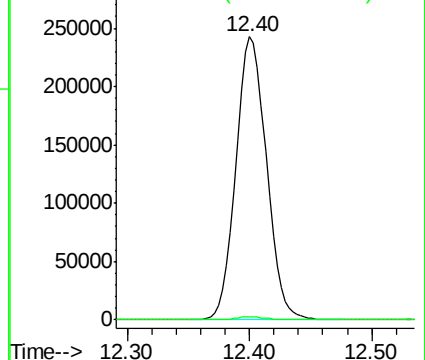
75 100

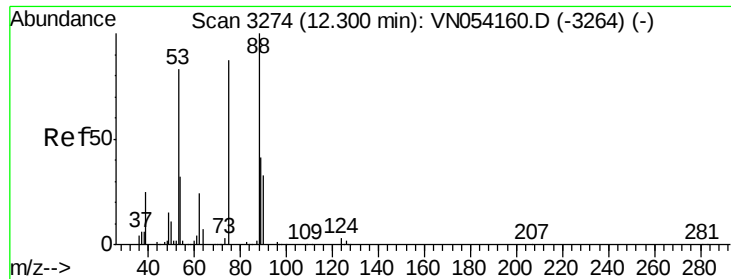
77 1.0 0.0 0.0#



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: 133.521 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

FB-031419-01

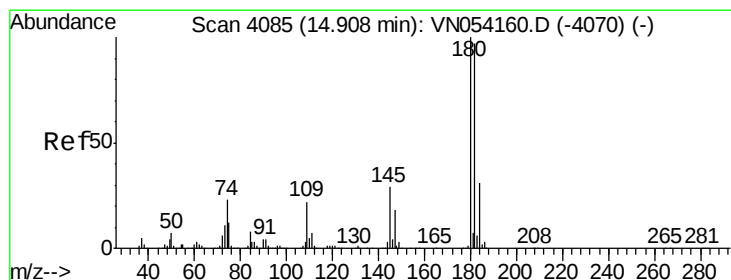
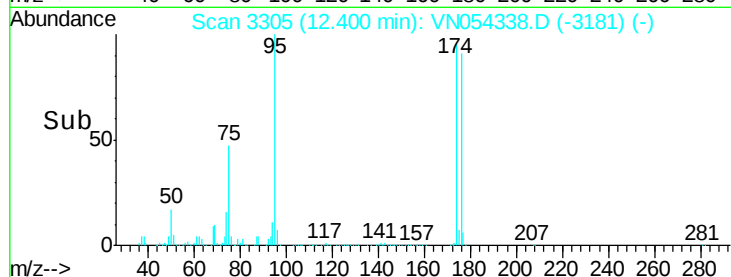
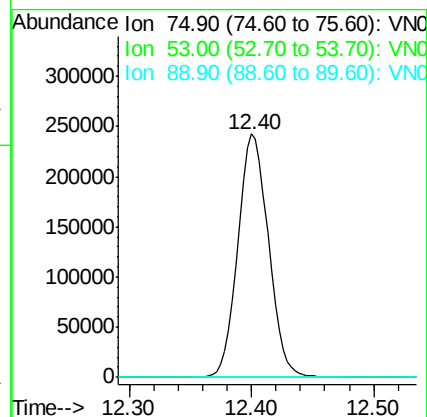
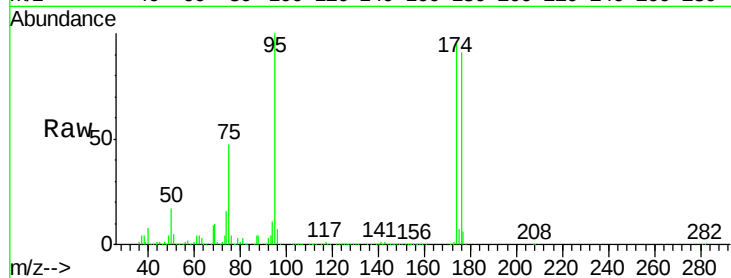
Tot Ion: 75 Resp: 421985

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: 2.553 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

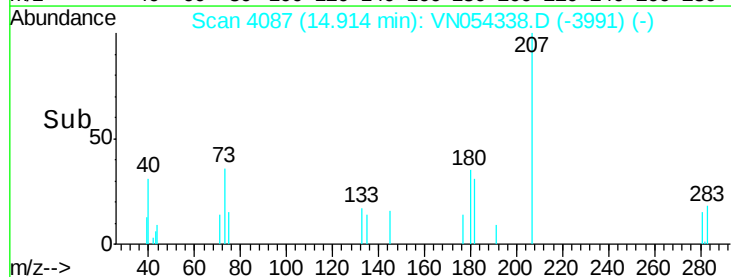
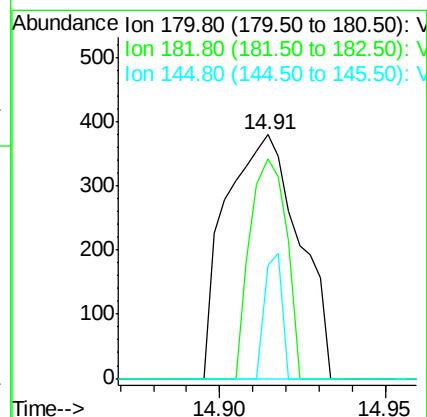
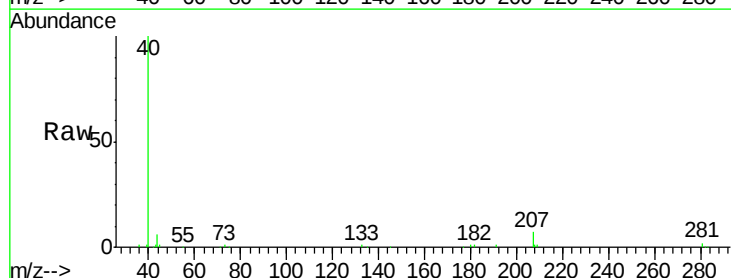
Tgt Ion: 180 Resp: 587

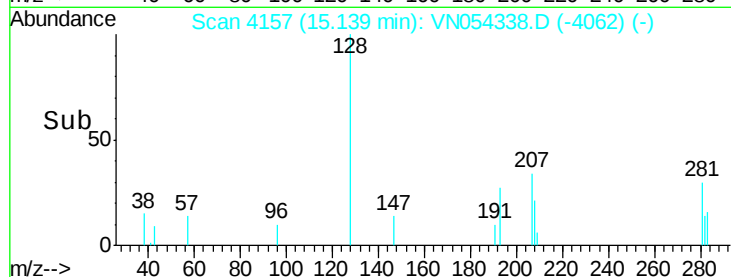
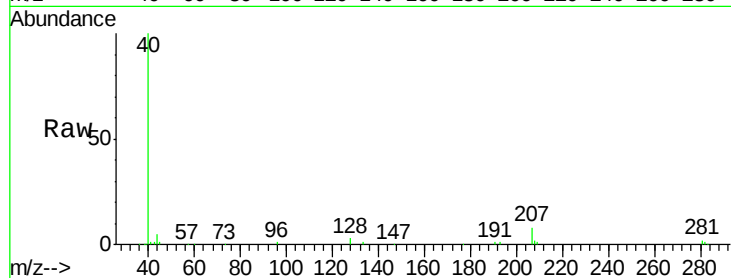
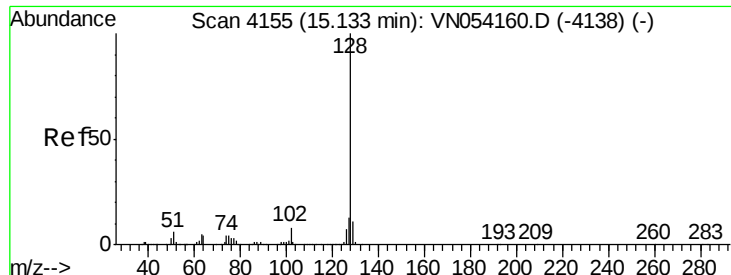
Ion Ratio Lower Upper

180 100

182 44.6 48.0 144.2#

145 12.3 14.2 42.8#





#95

Naphthalene

Concen: 3.530 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN054338.D

Acq: 16 Mar 2019 15:51

Instrument :

MSVOA_N

ClientSampleId :

FB-031419-01

Tot Ion:128 Resp: 2081

Ion Ratio Lower Upper

128 100

127 3.4 10.1 15.1#

129 0.0 8.7 13.1#

