

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040720\
 Data File : VN060879.D
 Acq On : 7 Apr 2020 16:04
 Operator : JC/MD
 Sample : L2167-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BFB

Quant Time: Apr 08 02:41:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195809	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	304411	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133233	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	125833	46.81	ug/l	0.00
Spiked Amount			Recovery	=	93.62%	
35) Dibromofluoromethane	7.56	113	97608	49.43	ug/l	0.00
Spiked Amount			Recovery	=	98.86%	
50) Toluene-d8	10.08	98	401577	49.79	ug/l	0.00
Spiked Amount			Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.40	95	148354	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	

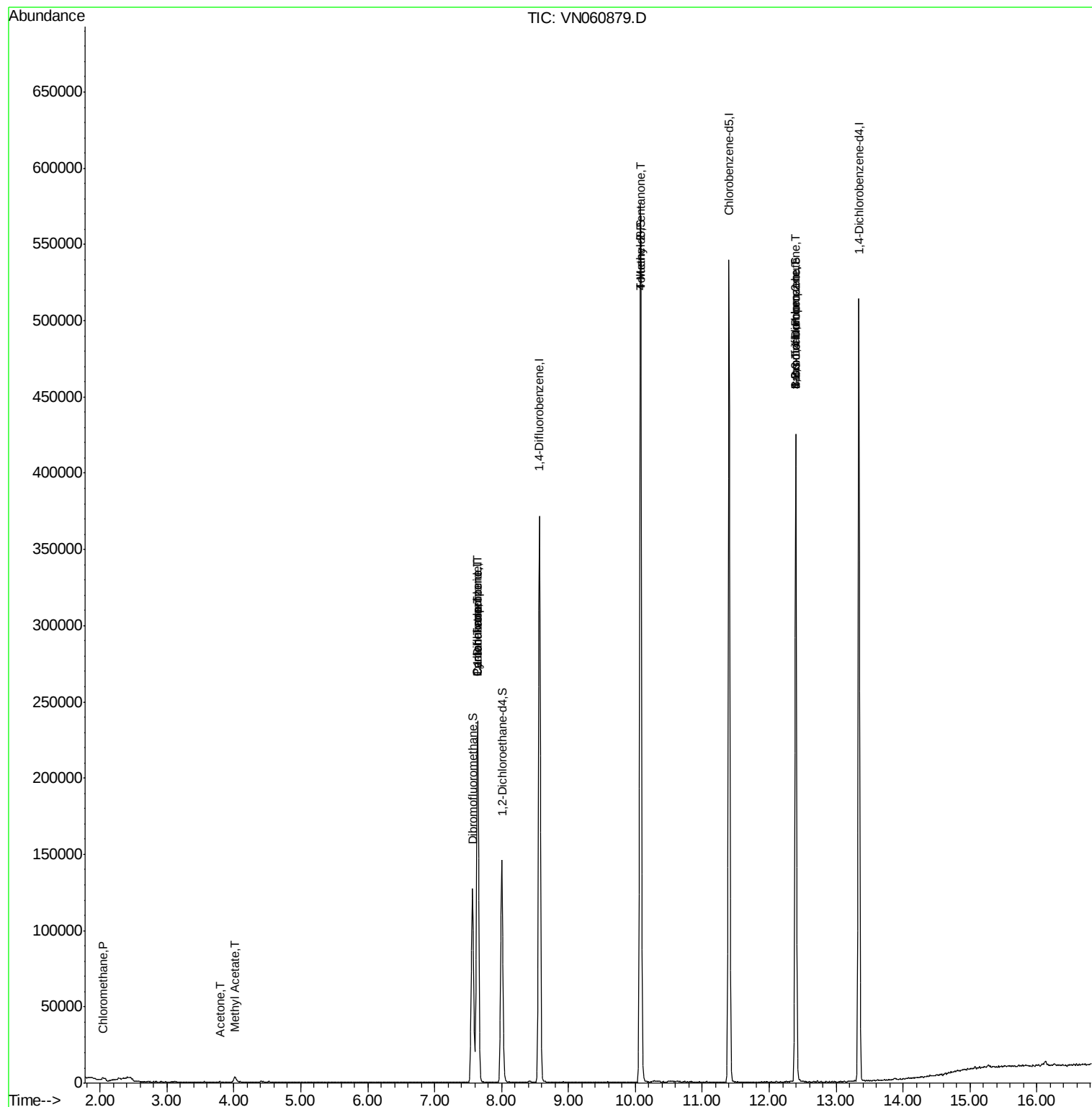
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	972	0.275	ug/l	99
16) Acetone	3.79	43	1117	1.173	ug/l #	43
18) Methyl Acetate	4.02	43	1500	0.560	ug/l #	54
31) Cyclohexane	7.64	56	4170	0.963	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	15582	4.928	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18481	6.521	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	1671	0.521	ug/l #	1
71) Bromoform	12.40	173	701	2.054	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	72753	25.306	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72753	64.994	ug/l #	13

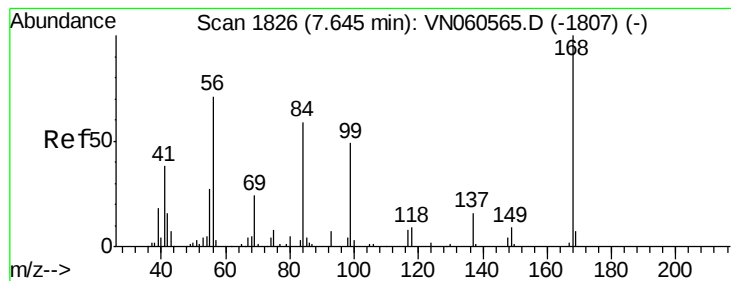
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampled :

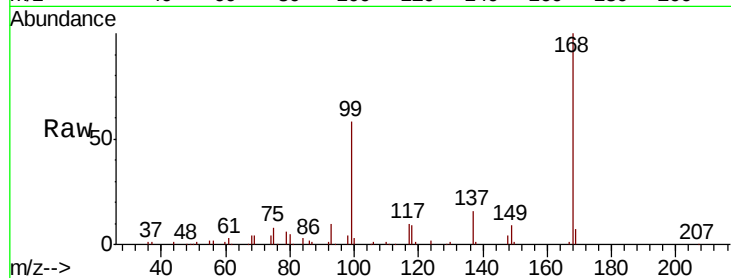
BFB

Tot Ion:168 Resp: 195809

Ion Ratio Lower Upper

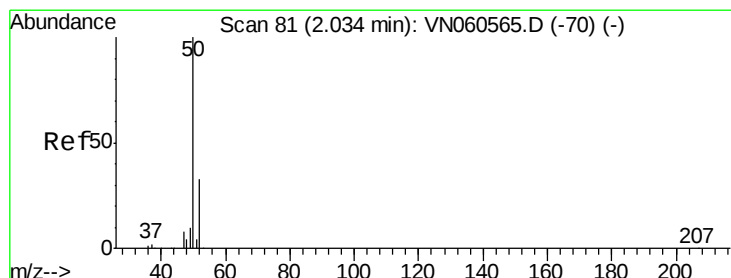
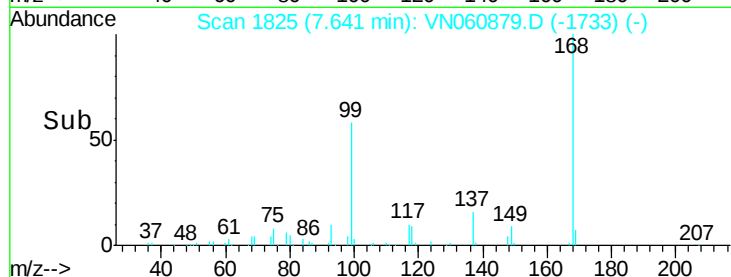
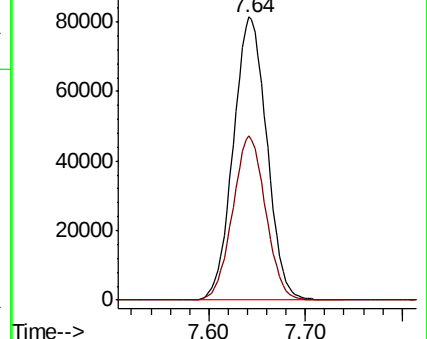
168 100

99 57.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.275 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060879.D

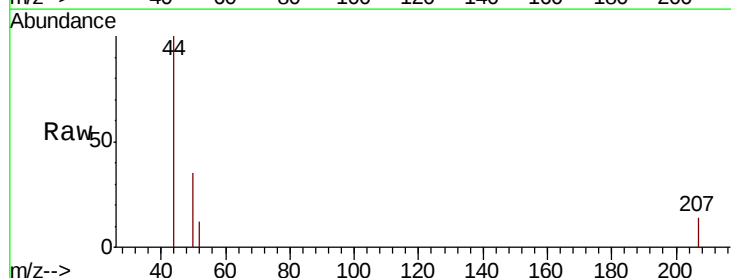
Acq: 7 Apr 2020 16:04

Tgt Ion: 50 Resp: 972

Ion Ratio Lower Upper

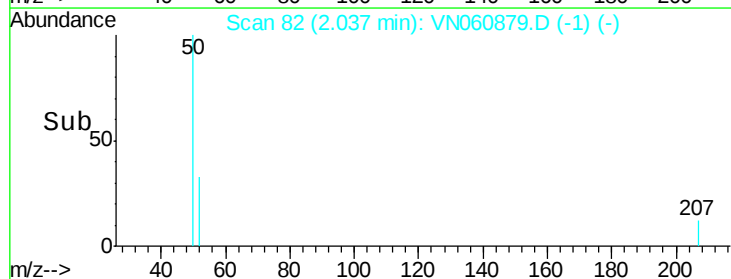
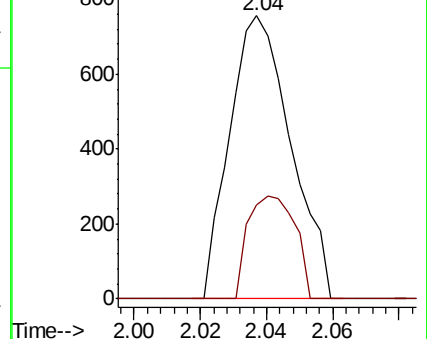
50 100

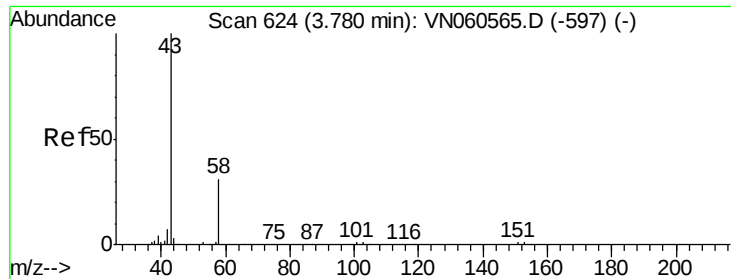
52 33.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

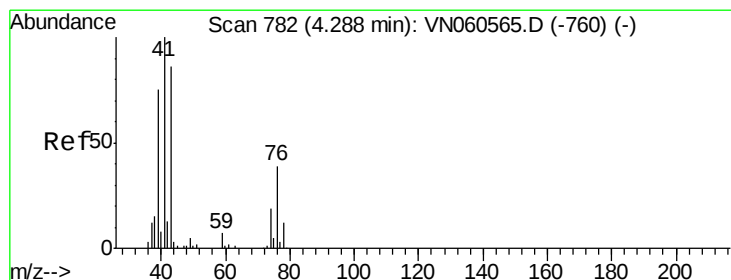
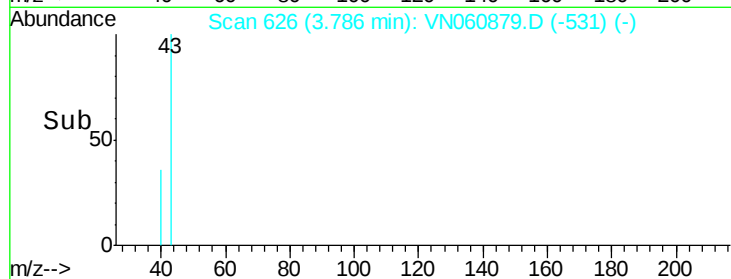
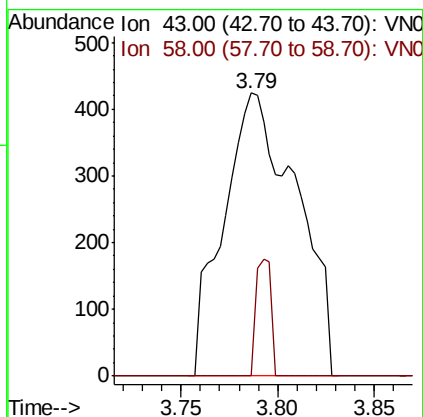
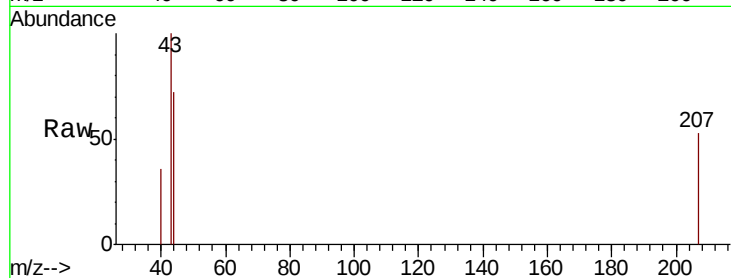




#16
Acetone
Concen: 1.173 ug/l
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN060879.D
Acq: 7 Apr 2020 16:04

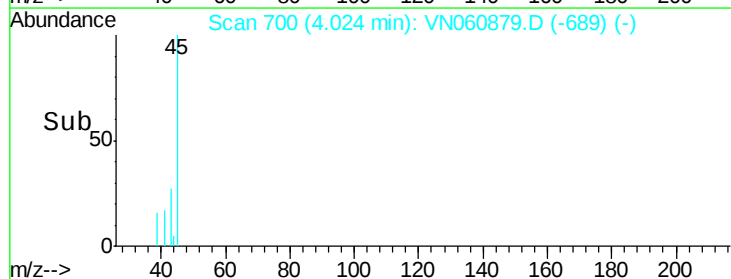
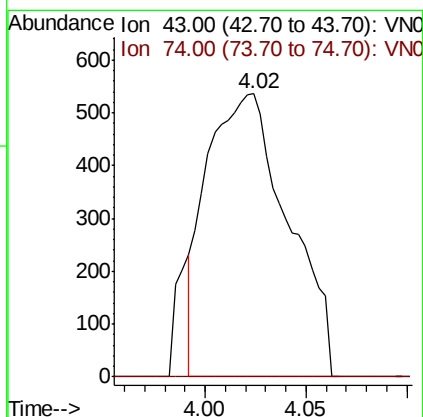
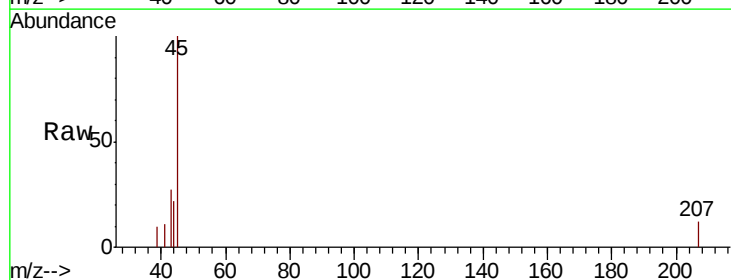
Instrument :
MSVOA_N
ClientSampleId :
BFB

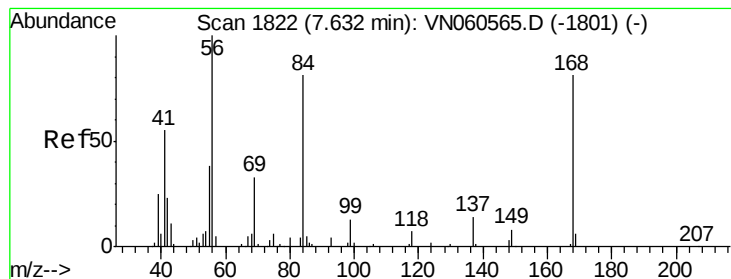
Tot Ion: 43 Resp: 1117
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#18
Methyl Acetate
Concen: 0.560 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.26 min
Lab File: VN060879.D
Acq: 7 Apr 2020 16:04

Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





#31

Cyclohexane

Concen: 0.963 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampled :

BFB

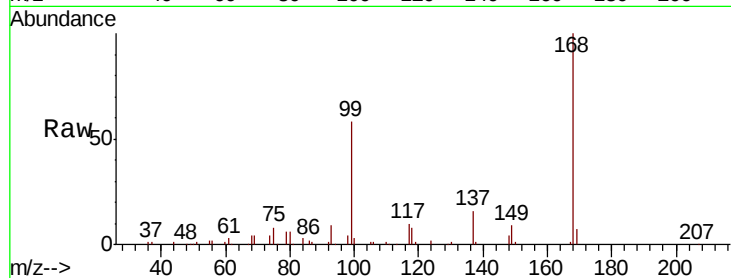
Tot Ion: 56 Resp: 4170

Ion Ratio Lower Upper

56 100

69 170.6 26.6 40.0#

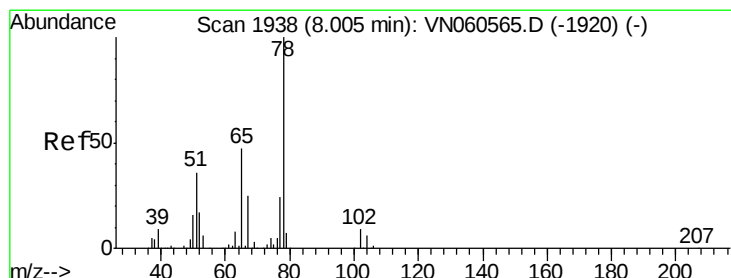
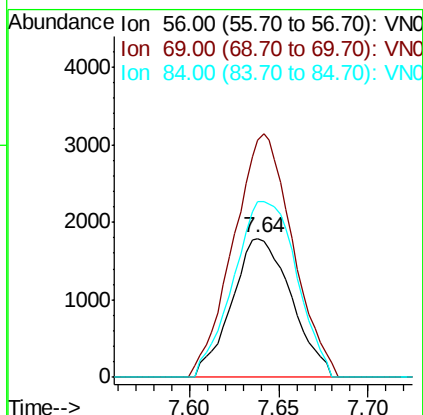
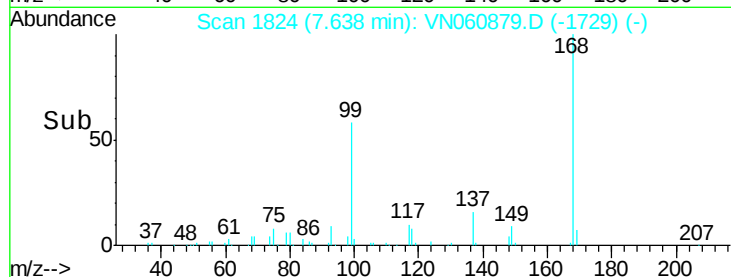
84 126.3 64.3 96.5#



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: 46.813 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN060879.D

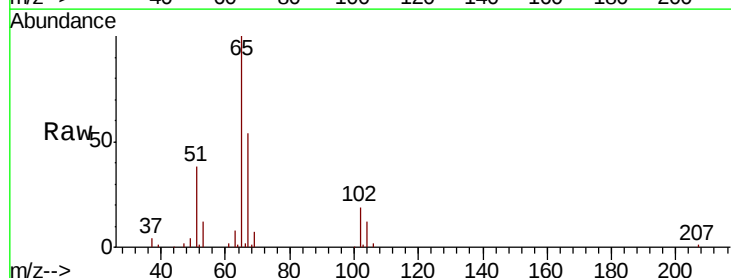
Acq: 7 Apr 2020 16:04

Tgt Ion: 65 Resp: 125833

Ion Ratio Lower Upper

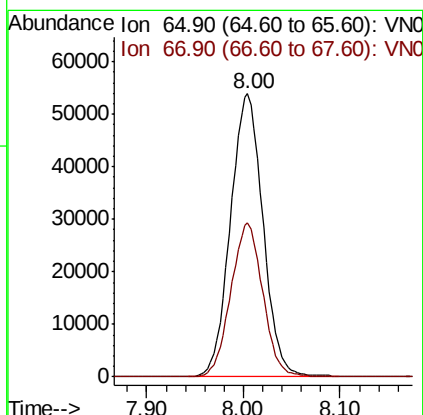
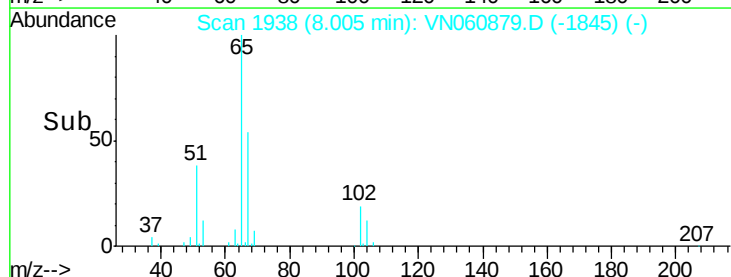
65 100

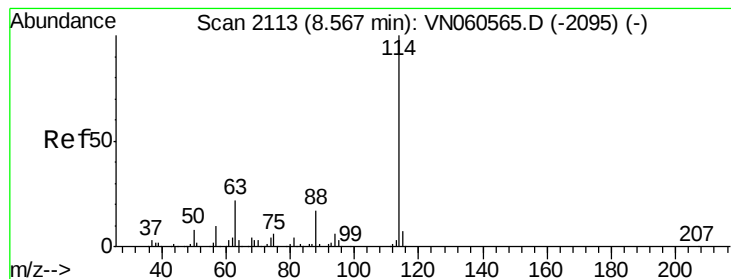
67 53.4 0.0 107.6



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: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

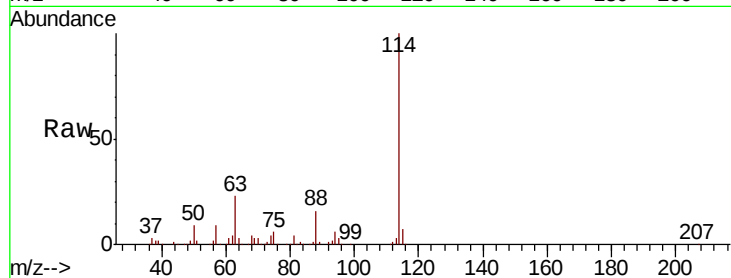
Tot Ion:114 Resp: 326555

Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

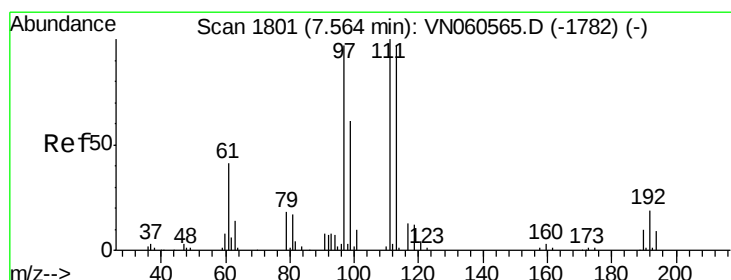
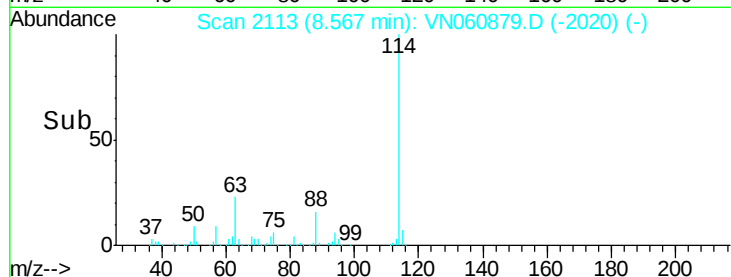
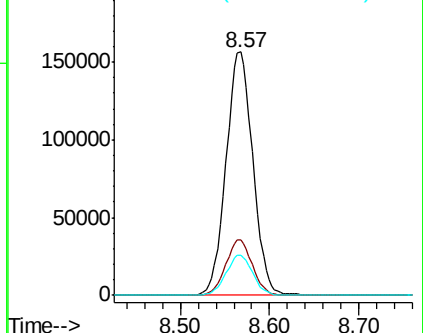
88 16.4 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.432 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

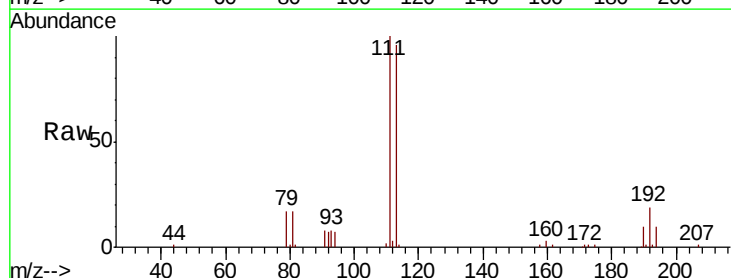
Tgt Ion:113 Resp: 97608

Ion Ratio Lower Upper

113 100

111 104.5 82.9 124.3

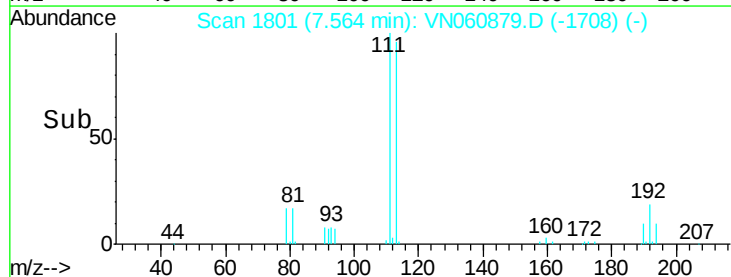
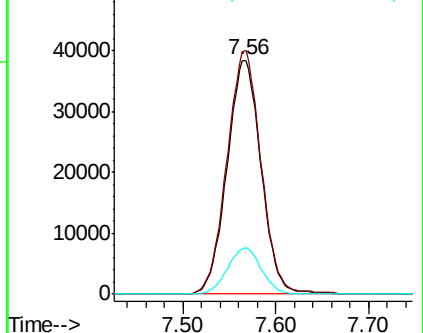
192 19.6 15.8 23.8

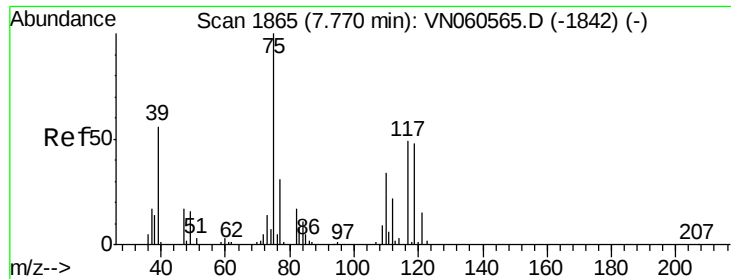


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

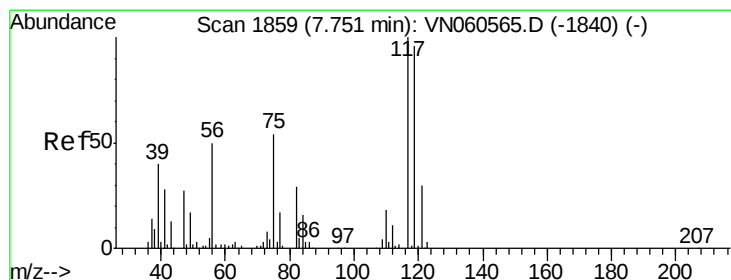
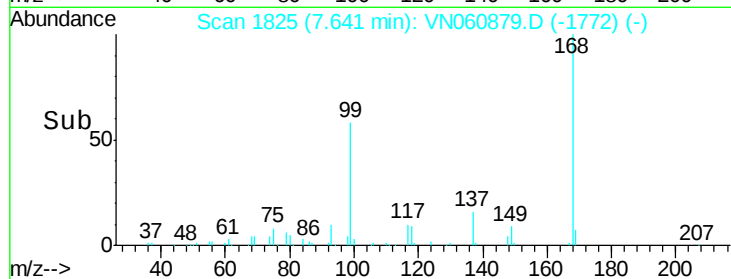
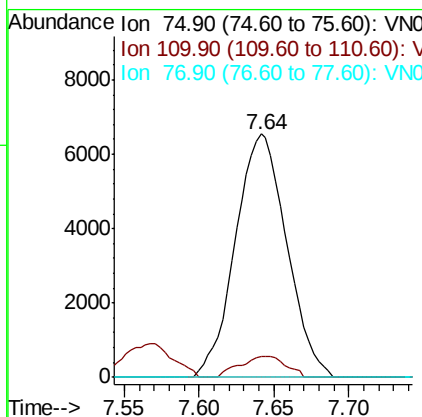
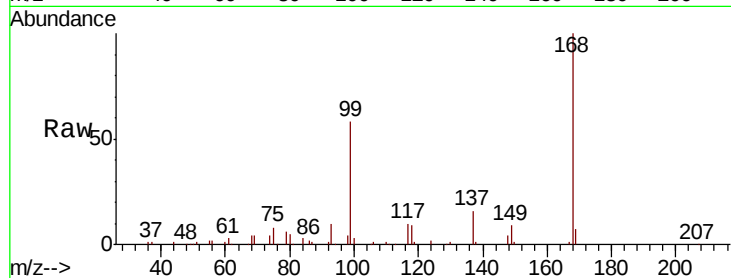




#36
 1,1-Dichloropropene
 Concen: 4.928 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060879.D
 Acq: 7 Apr 2020 16:04

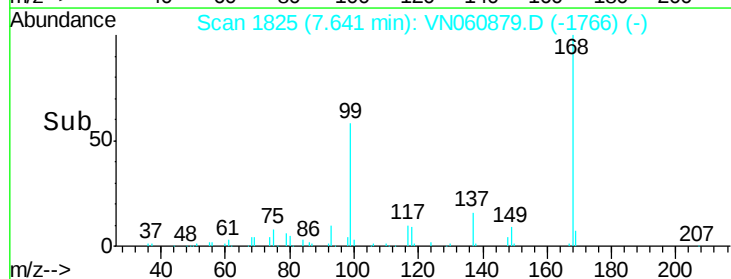
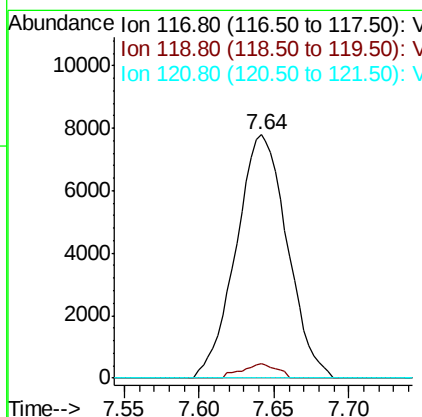
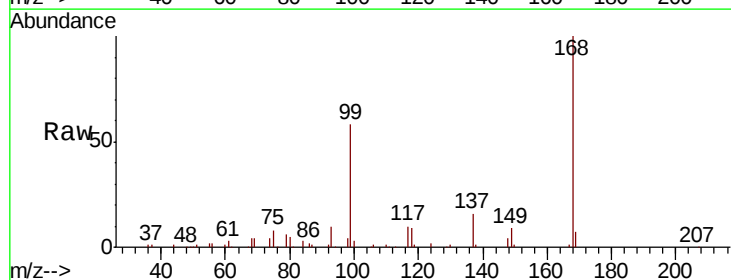
Instrument :
 MSVOA_N
 ClientSampled :
 BFB

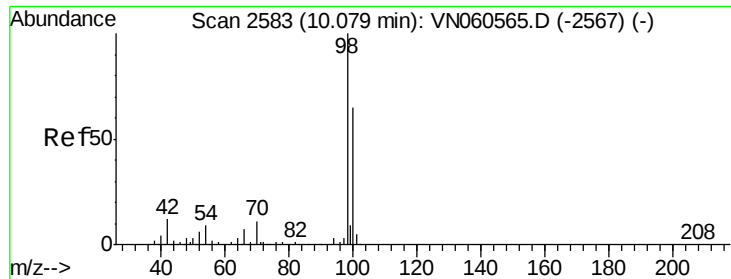
Tot Ion	75	Resp	15582
Ion Ratio	Lower	Upper	
75	100		
110	7.7	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.521 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060879.D
 Acq: 7 Apr 2020 16:04

Tgt Ion	117	Resp	18481
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.7	76.2	114.2#
121	0.0	23.7	35.5#





#50

Toluene-d8

Concen: 49.790 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

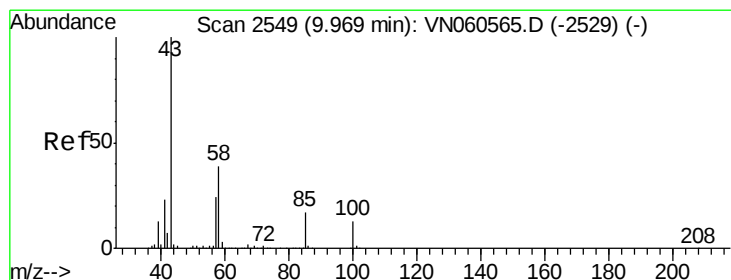
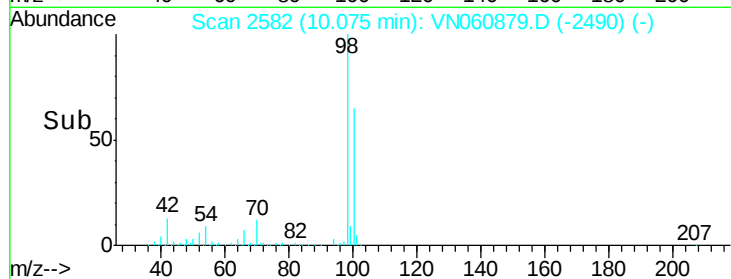
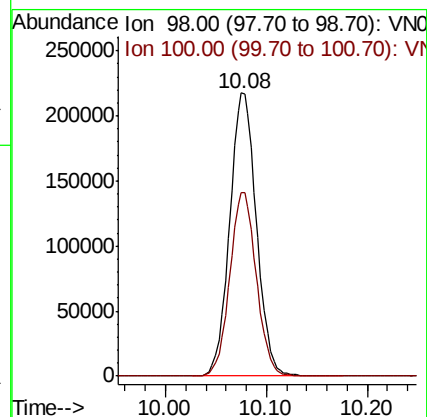
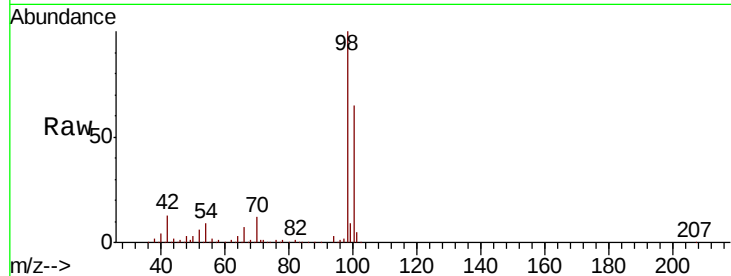
BFB

Tot Ion: 98 Resp: 401577

Ion Ratio Lower Upper

98 100

100 64.5 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.521 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060879.D

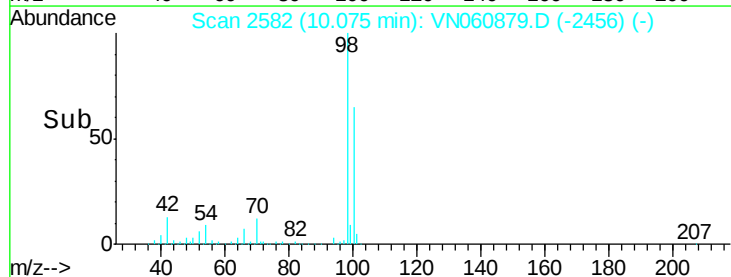
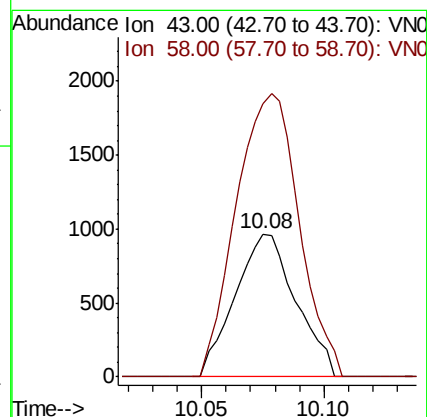
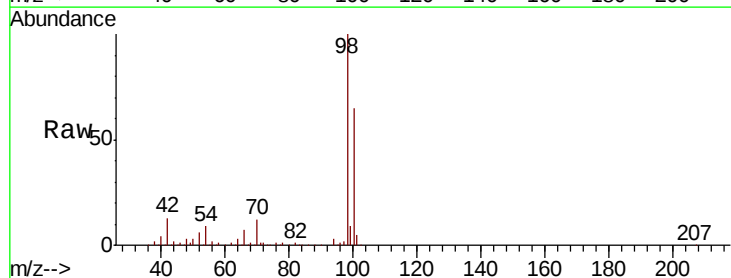
Acq: 7 Apr 2020 16:04

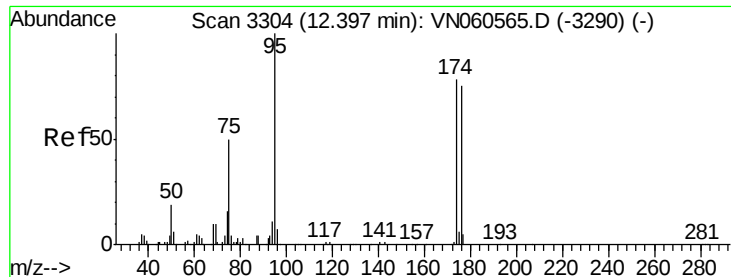
Tgt Ion: 43 Resp: 1671

Ion Ratio Lower Upper

43 100

58 205.4 30.8 46.2#





#62

4-Bromofluorobenzene

Concen: 50.190 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Instrument :

MSVOA_N

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BFB

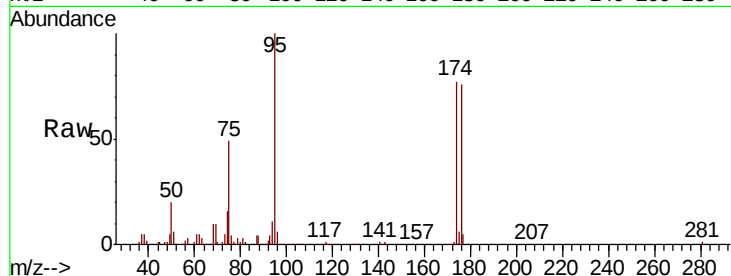
Tot Ion: 95 Resp: 148354

Ion Ratio Lower Upper

95 100

174 77.5 0.0 157.6

176 75.8 0.0 150.6



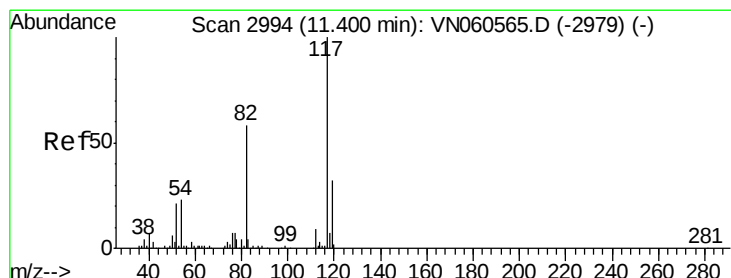
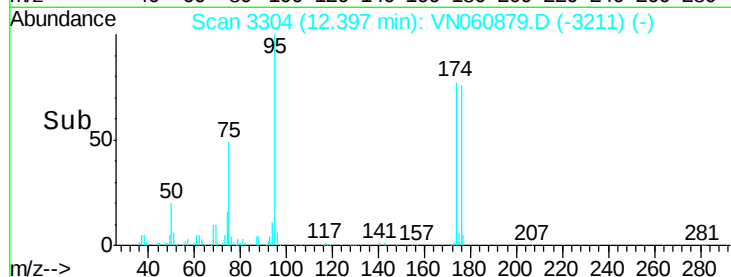
Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0

12.40

Time--> 12.30 12.35 12.40 12.45



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

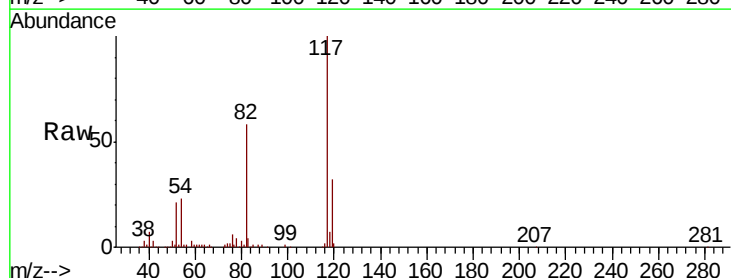
Tgt Ion: 117 Resp: 304411

Ion Ratio Lower Upper

117 100

82 57.6 46.7 70.1

119 32.1 25.5 38.3



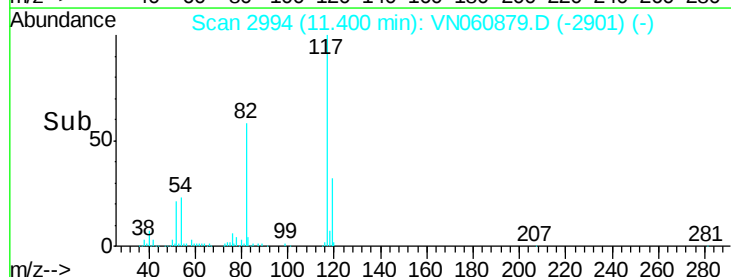
Abundance Ion 116.90 (116.60 to 117.60): VN0

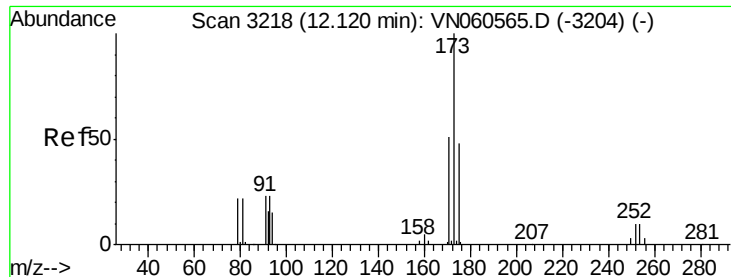
Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

11.40

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 2.054 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.28 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampleId :

BFB

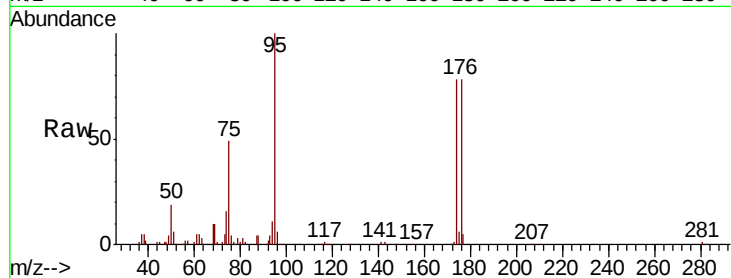
Tot Ion:173 Resp: 701

Ion Ratio Lower Upper

173 100

175 1014.6 24.1 72.4#

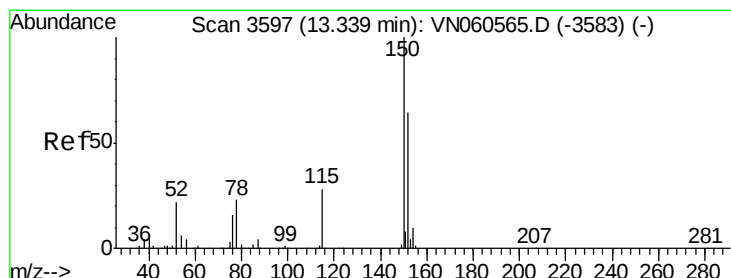
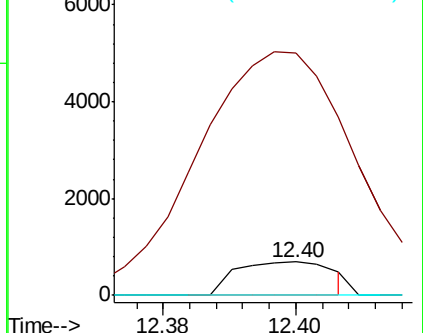
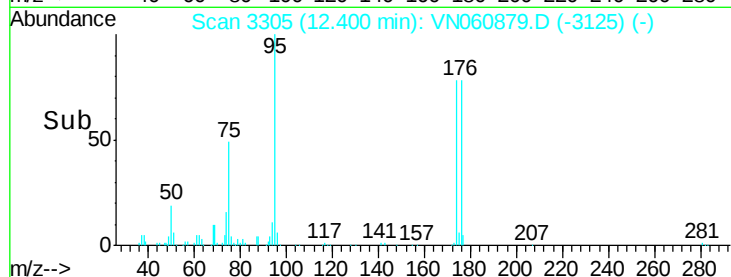
254 0.0 0.0 0.0



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: VN060879.D

Acq: 7 Apr 2020 16:04

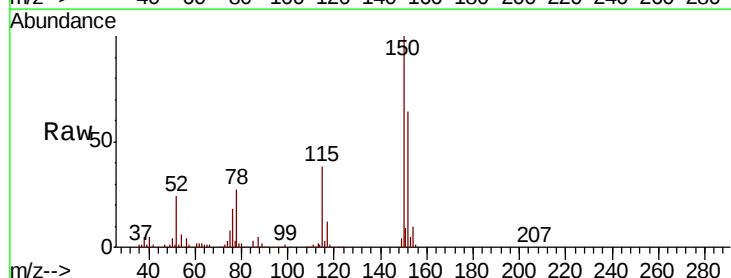
Tgt Ion:152 Resp: 133233

Ion Ratio Lower Upper

152 100

115 60.8 30.2 90.6

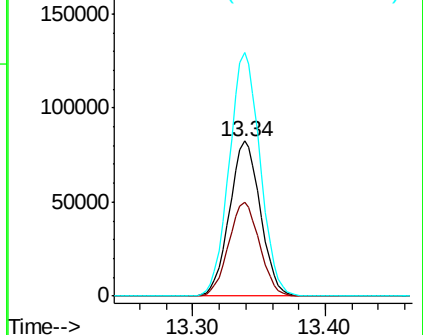
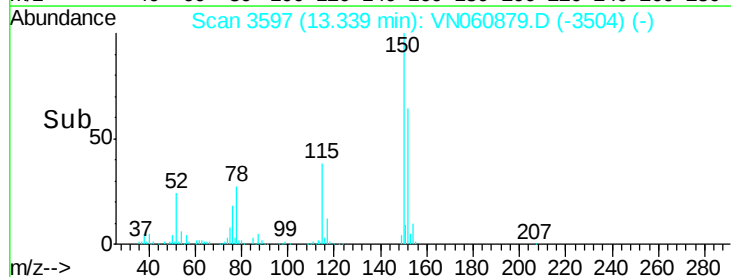
150 157.4 0.0 350.2

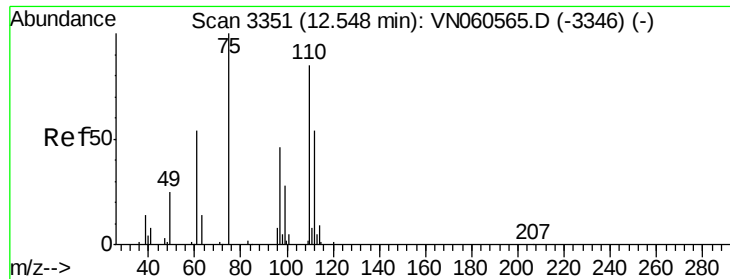


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 25.306 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Instrument :

MSVOA_N

ClientSampled :

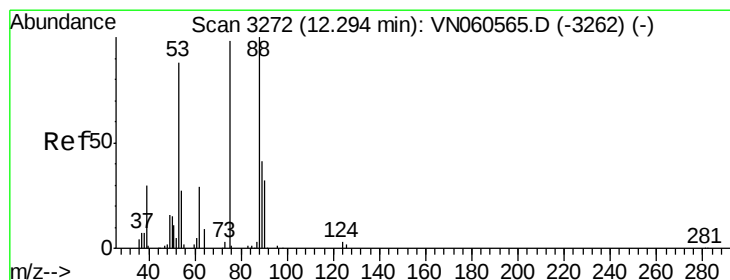
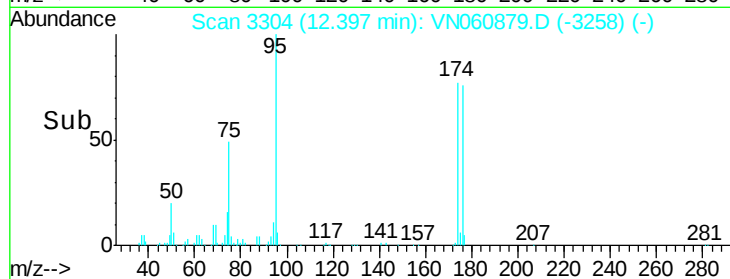
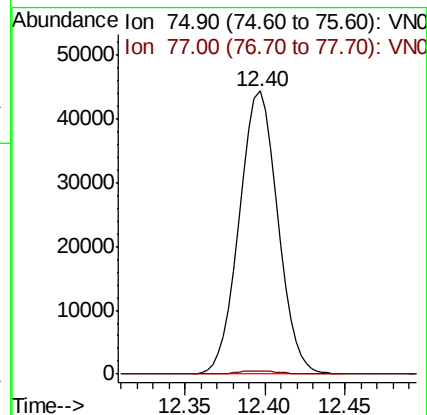
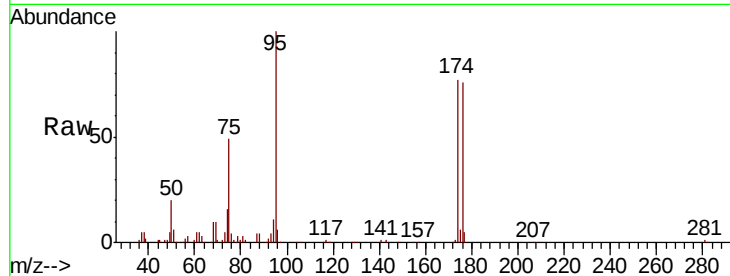
BFB

Tot Ion: 75 Resp: 72753

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 64.994 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060879.D

Acq: 7 Apr 2020 16:04

Tgt Ion: 75 Resp: 72753

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#

