

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020119\
 Data File : VN053576.D
 Acq On : 1 Feb 2019 15:08
 Operator : JC/SP
 Sample : K1297-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 FB-01-30-19

Quant Time: Feb 01 22:49:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	761205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1215698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1087023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	456749	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	402759	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	7.59	113	389851	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
50) Toluene-d8	10.09	98	1459741	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.40	95	476438	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	

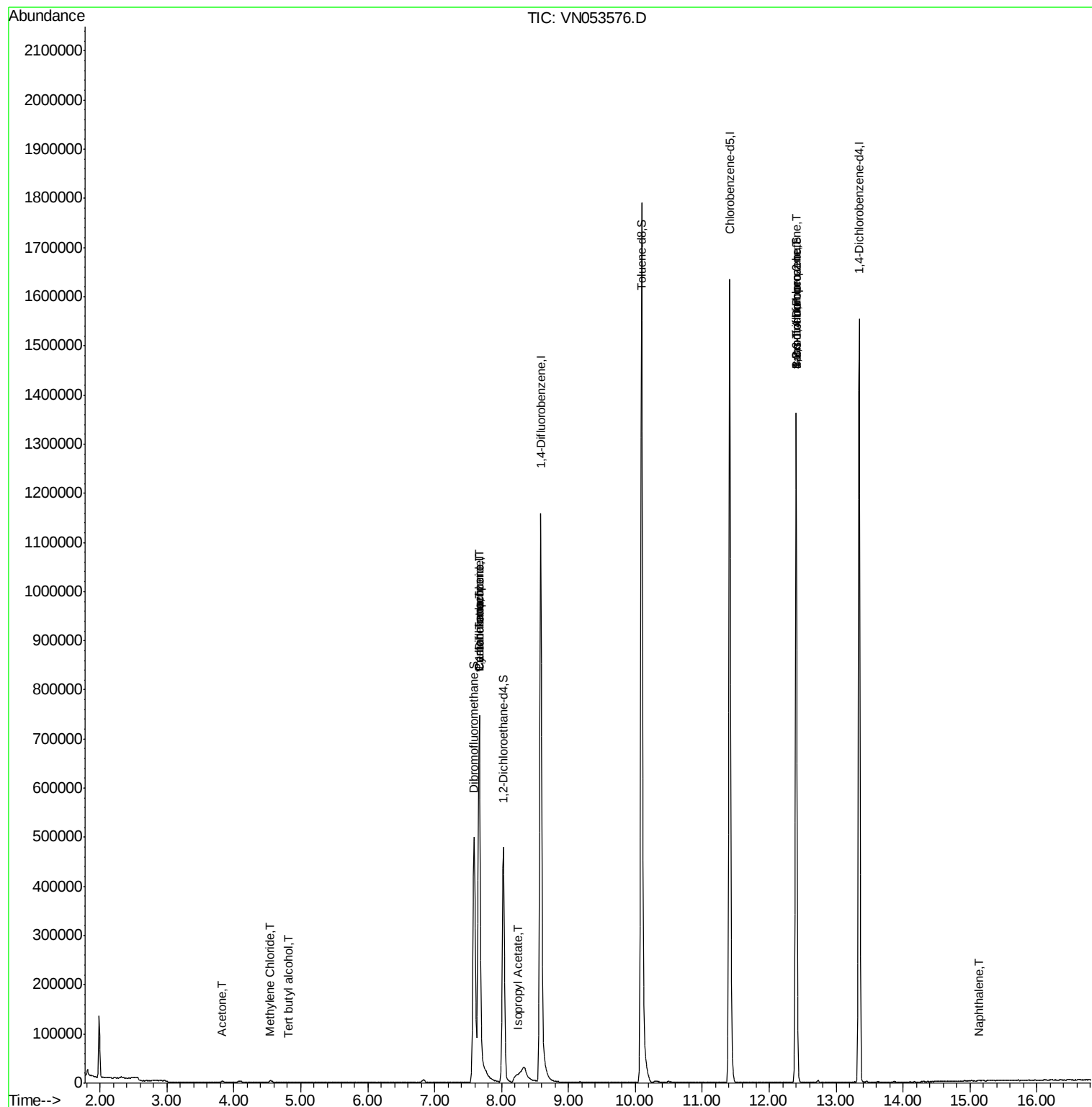
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.81	59	118	0.261	ug/l #	72
16) Acetone	3.83	43	6571	3.355	ug/l	97
20) Methylene Chloride	4.54	84	2885	0.351	ug/l #	91
31) Cyclohexane	7.66	56	11586	0.730	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	43887	4.005	ug/l #	49
38) Carbon Tetrachloride	7.67	117	59162	5.359	ug/l #	16
43) Isopropyl Acetate	8.23	43	17776	1.504	ug/l #	51
71) Bromoform	12.40	173	1742	0.315	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	217992	37.158	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	217992	104.485	ug/l #	15
95) Naphthalene	15.14	128	862	1.778	ug/l #	69

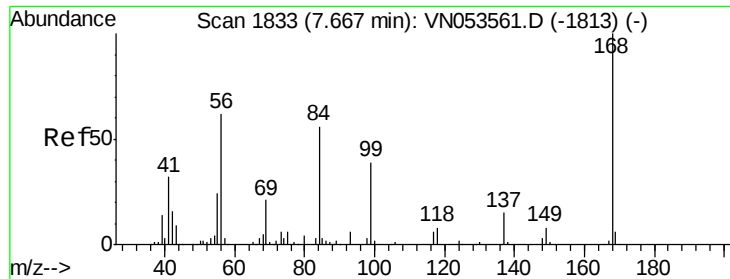
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020119\
Data File : VN053576.D
Acq On : 1 Feb 2019 15:08
Operator : JC/SP
Sample : K1297-07
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
FB-01-30-19

Quant Time: Feb 01 22:49:57 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 01 09:11:52 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: VN053576.D

Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

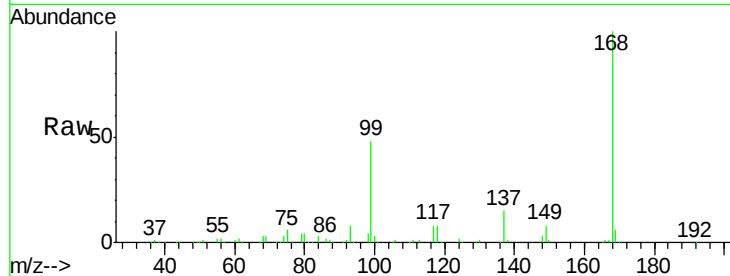
FB-01-30-19

Tot Ion:168 Resp: 761205

Ion Ratio Lower Upper

168 100

99 47.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

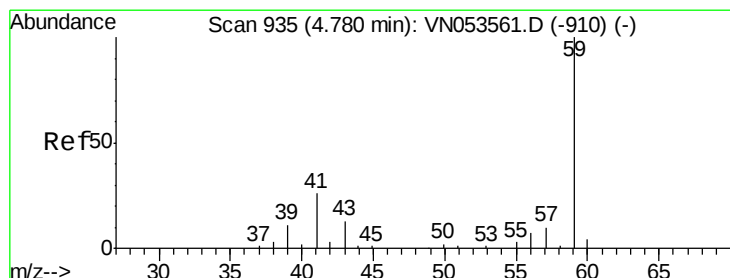
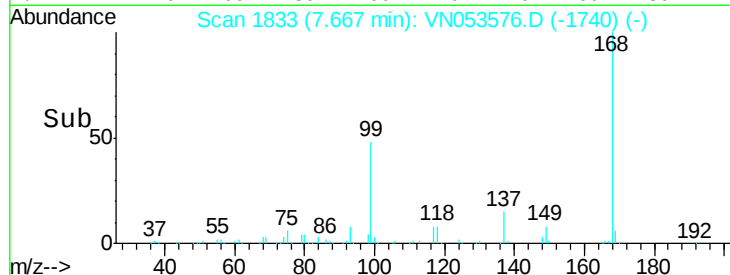
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.261 ug/l

RT: 4.81 min Scan# 944

Delta R.T. 0.03 min

Lab File: VN053576.D

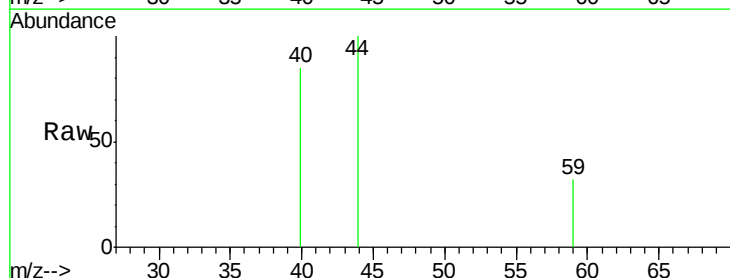
Acq: 1 Feb 2019 15:08

Tgt Ion: 59 Resp: 118

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.81

250

200

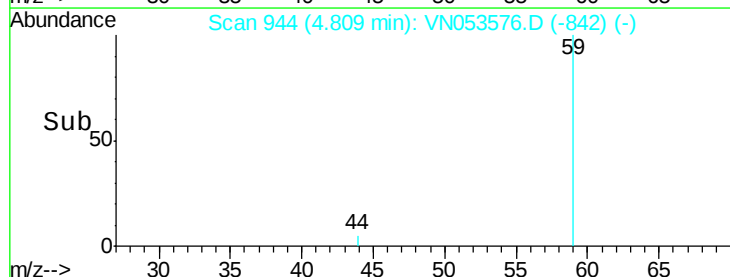
150

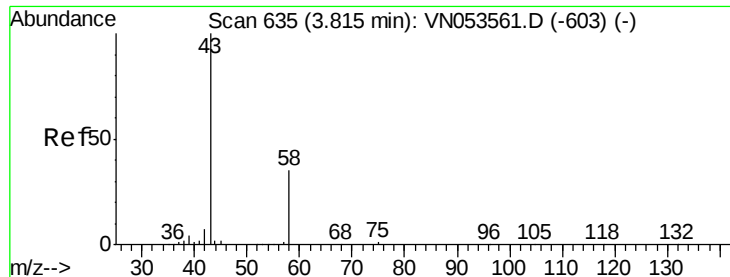
100

50

0

Time-->





#16

Acetone

Concen: 3.355 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

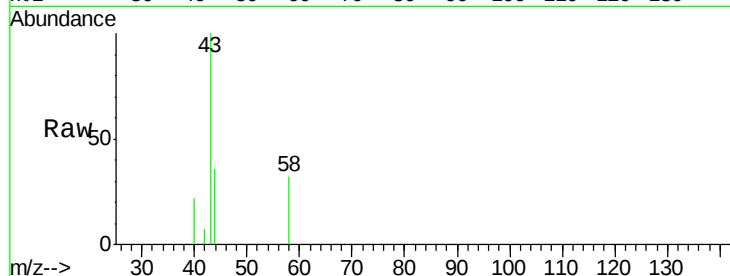
FB-01-30-19

Tot Ion: 43 Resp: 6571

Ion Ratio Lower Upper

43 100

58 32.0 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC

3.83

2500

2000

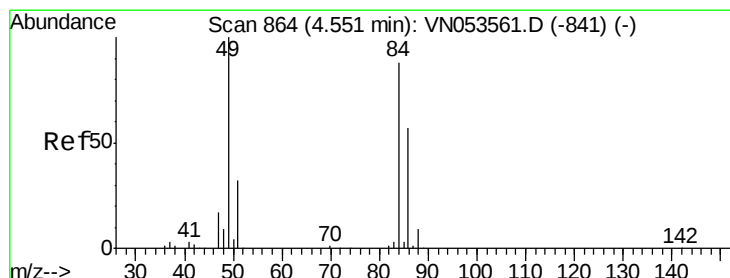
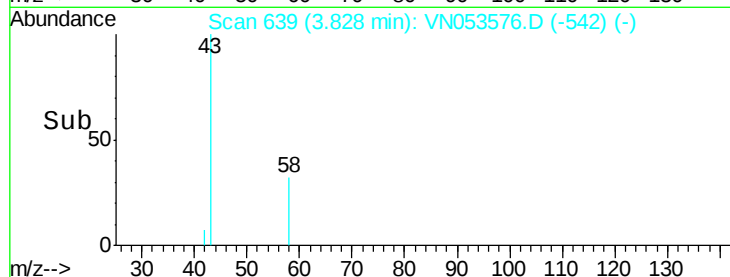
1500

1000

500

0

Time-->



#20

Methylene Chloride

Concen: 0.351 ug/l

RT: 4.54 min Scan# 861

Delta R.T. -0.01 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

Tgt Ion: 84 Resp: 2885

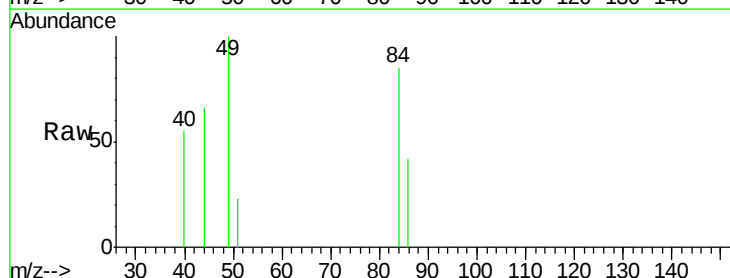
Ion Ratio Lower Upper

84 100

49 117.4 94.3 141.5

51 26.4 29.4 44.2#

86 49.8 51.4 77.0#



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

2000

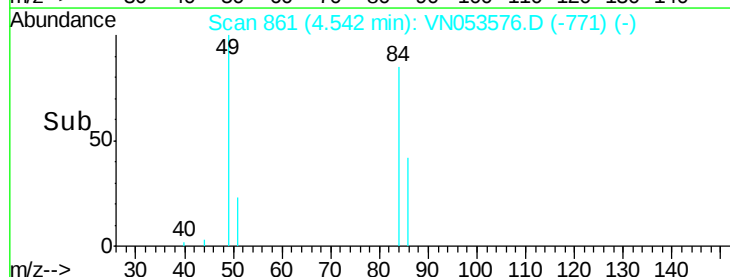
1500

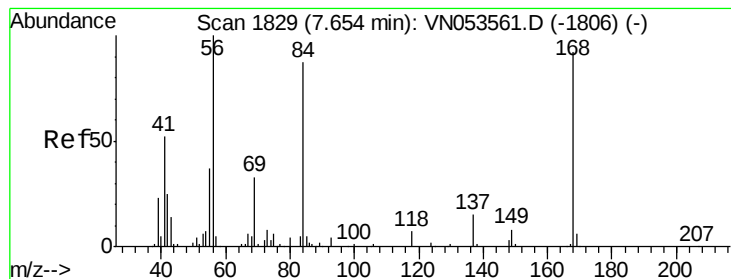
1000

500

0

Time-->





#31

Cyclohexane

Concen: 0.730 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

FB-01-30-19

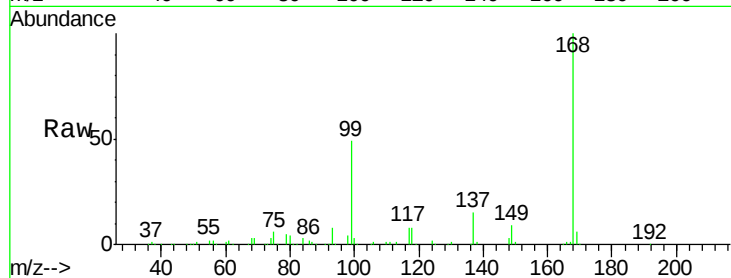
Tot Ion: 56 Resp: 11586

Ion Ratio Lower Upper

56 100

69 173.6 26.4 39.6#

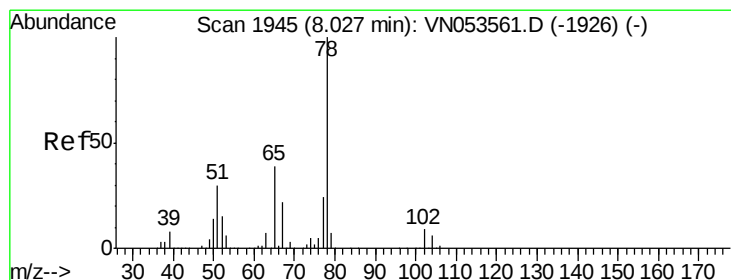
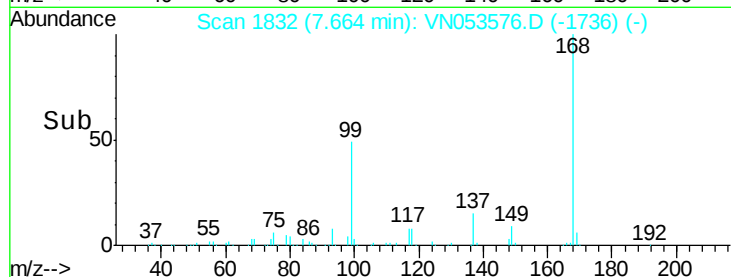
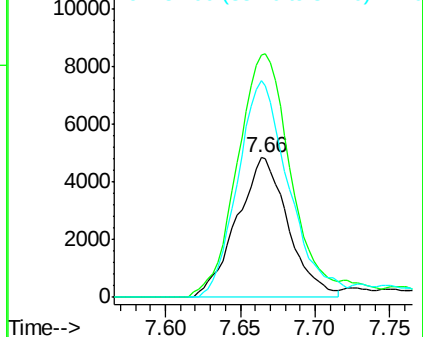
84 154.8 67.9 101.9#



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: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053576.D

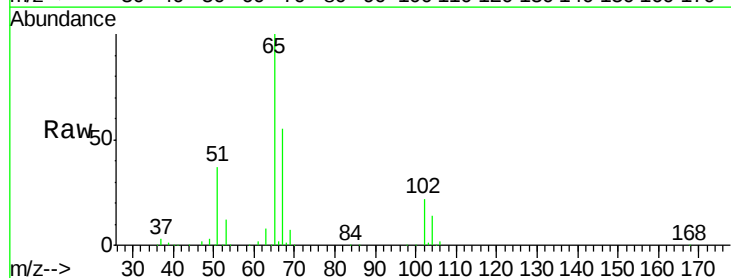
Acq: 1 Feb 2019 15:08

Tgt Ion: 65 Resp: 402759

Ion Ratio Lower Upper

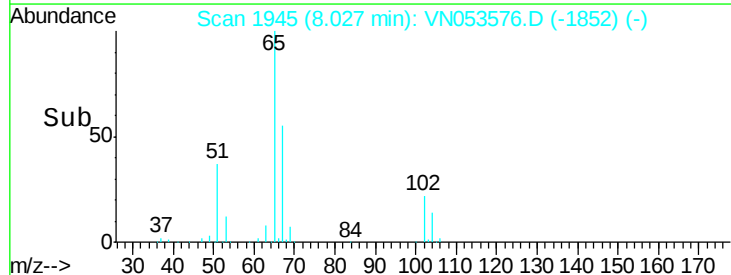
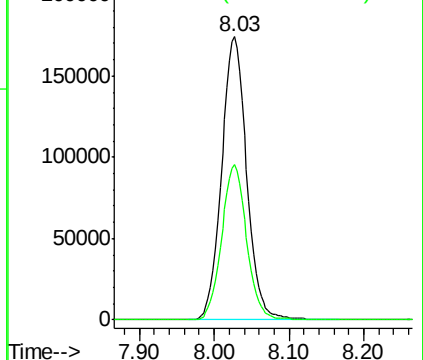
65 100

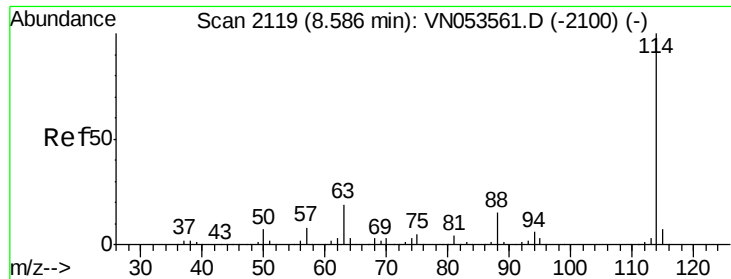
67 54.5 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

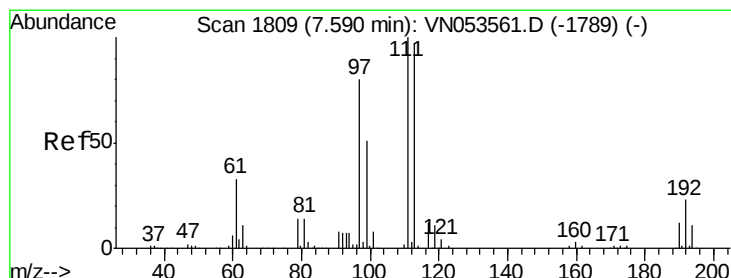
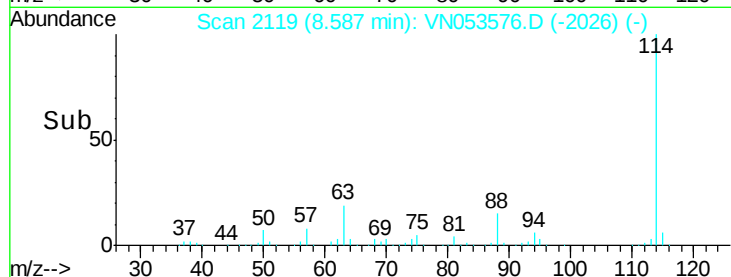
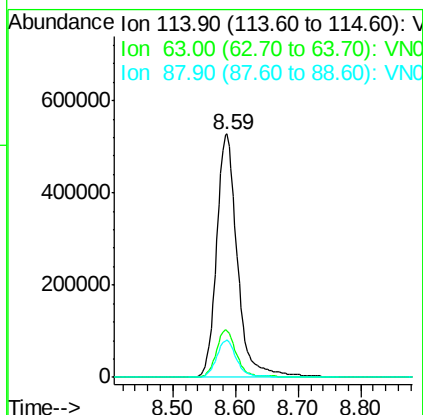
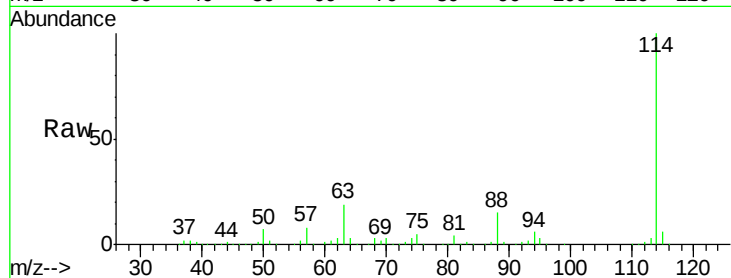




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN053576.D
Acq: 1 Feb 2019 15:08

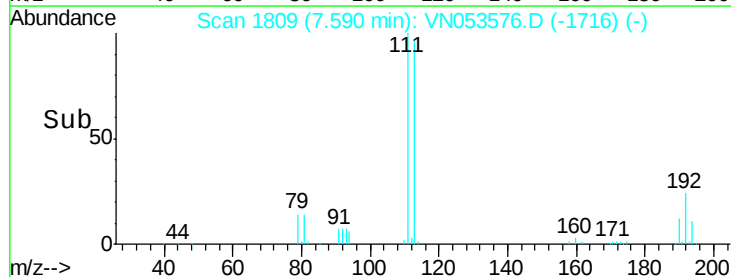
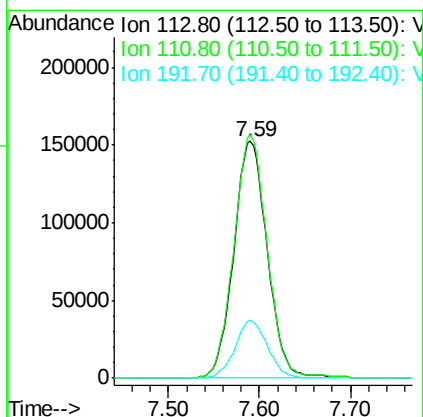
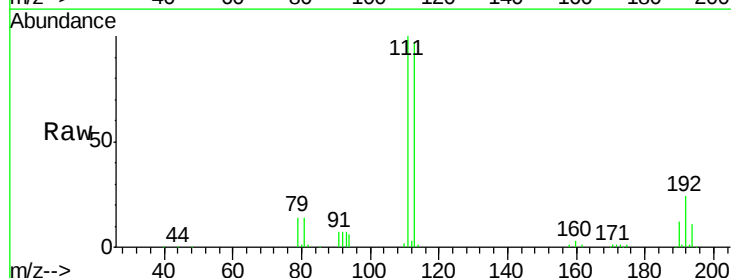
Instrument :
MSVOA_N
ClientSampleId :
FB-01-30-19

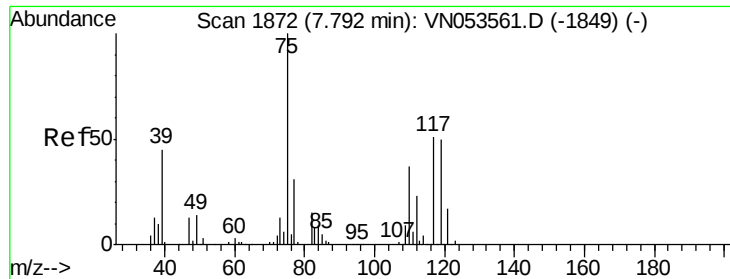
Tot Ion:114 Resp: 1215698
Ion Ratio Lower Upper
114 100
63 19.3 0.0 38.6
88 15.3 0.0 30.4



#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053576.D
Acq: 1 Feb 2019 15:08

Tgt Ion:113 Resp: 389851
Ion Ratio Lower Upper
113 100
111 102.4 81.1 121.7
192 23.7 18.2 27.2

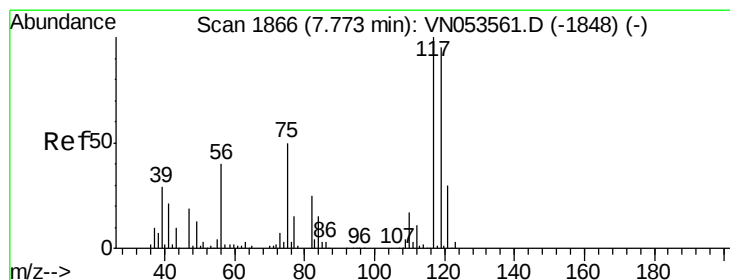
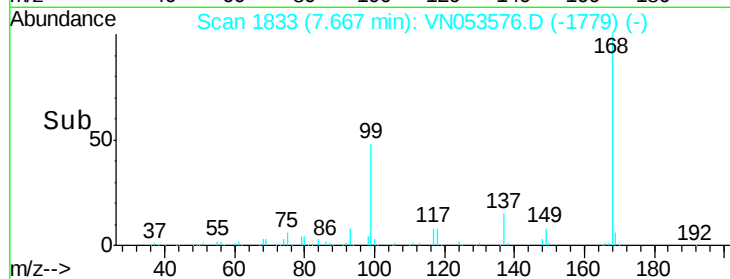
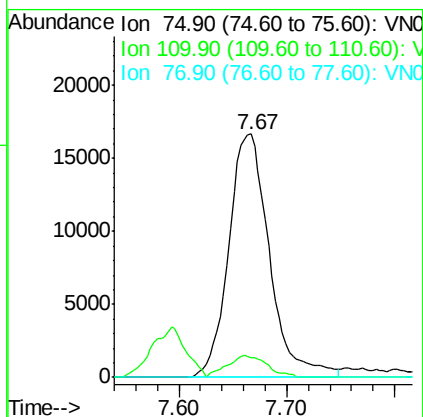
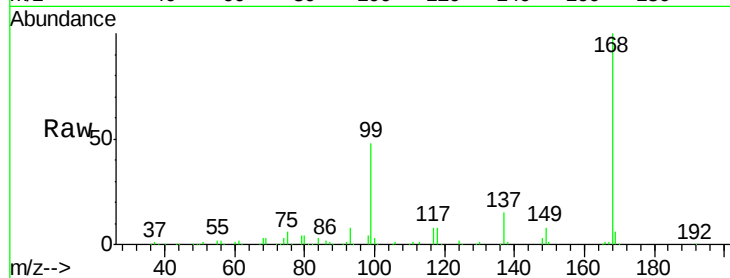




#36
 1,1-Dichloropropene
 Concen: 4.005 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053576.D
 Acq: 1 Feb 2019 15:08

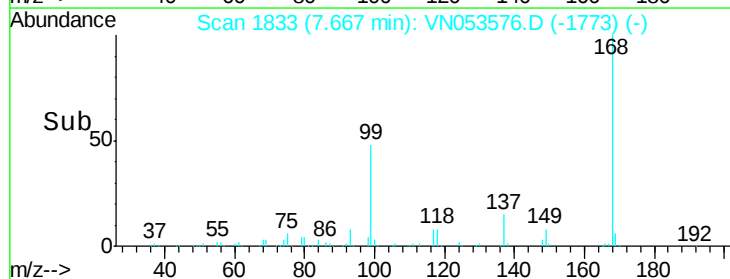
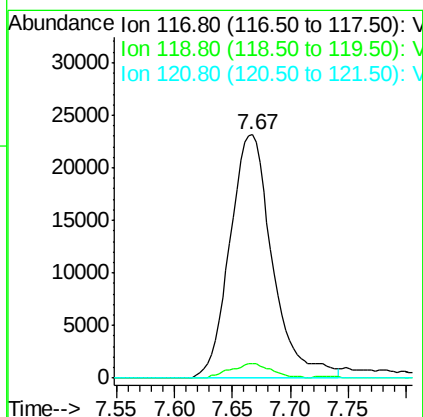
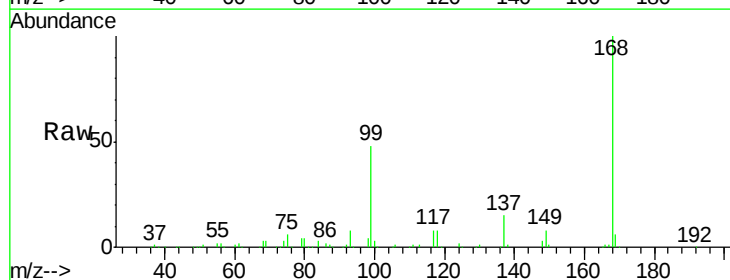
Instrument :
 MSVOA_N
 ClientSampleId :
 FB-01-30-19

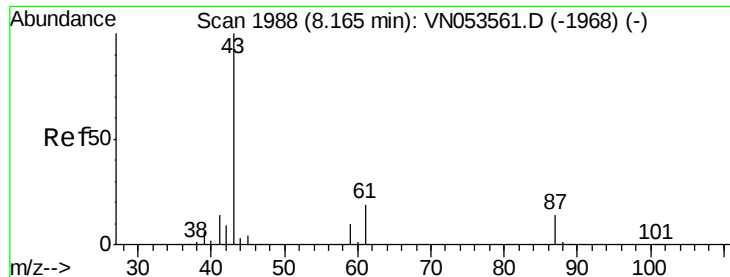
Tot Ion: 75 Resp: 43887
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.1 37.7#



#38
 Carbon Tetrachloride
 Concen: 5.359 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053576.D
 Acq: 1 Feb 2019 15:08

Tgt Ion: 117 Resp: 59162
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.2 115.8#
 121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 1.504 ug/l

RT: 8.23 min Scan# 2009

Delta R.T. 0.07 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

FB-01-30-19

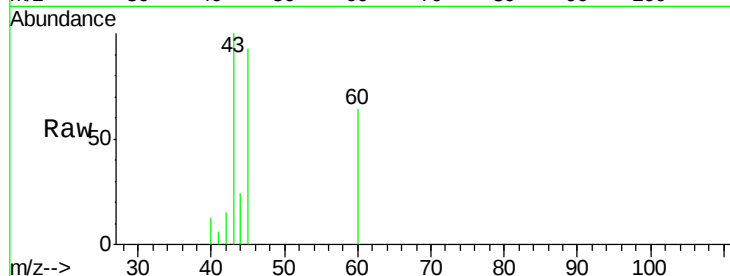
Tot Ion: 43 Resp: 17776

Ion Ratio Lower Upper

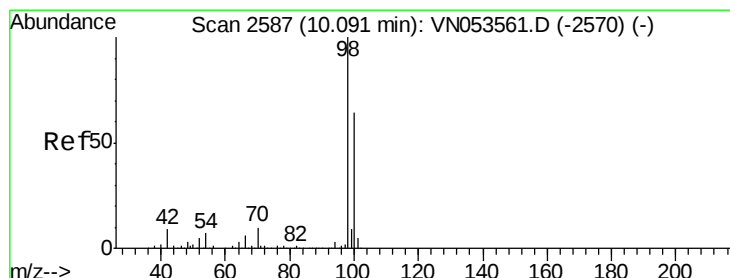
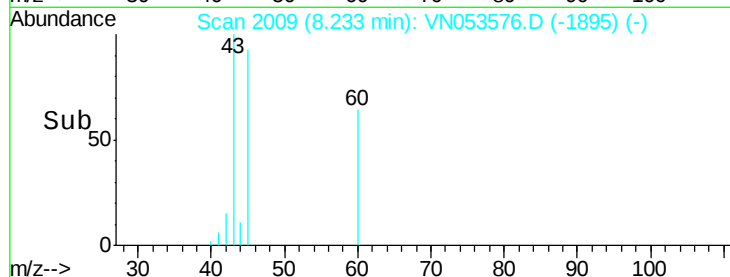
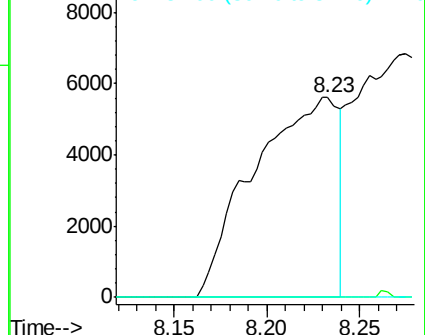
43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



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



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053576.D

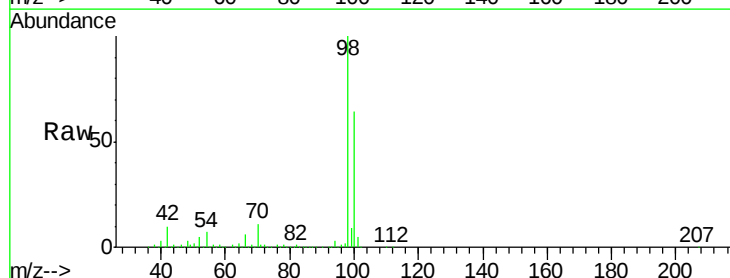
Acq: 1 Feb 2019 15:08

Tgt Ion: 98 Resp: 1459741

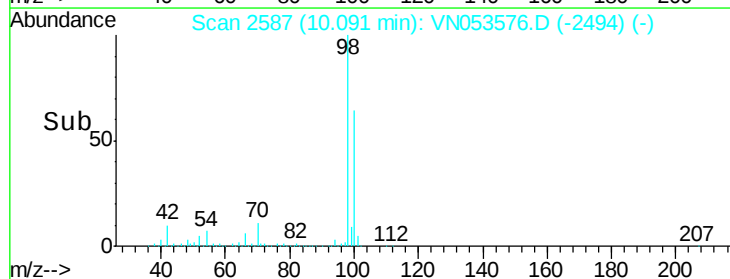
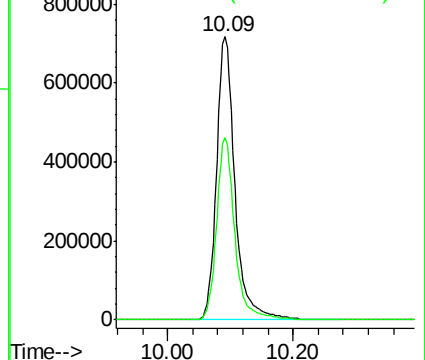
Ion Ratio Lower Upper

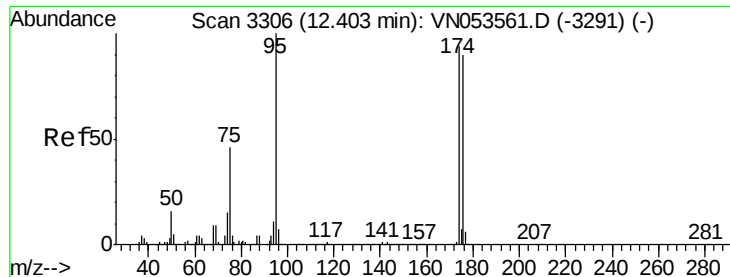
98 100

100 63.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VNC
Ion 100.00 (99.70 to 100.70): VNC





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

FB-01-30-19

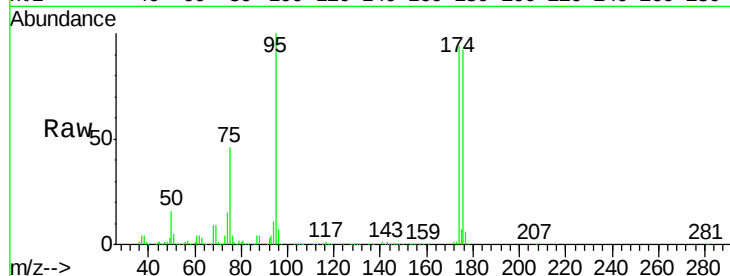
Tot Ion: 95 Resp: 476438

Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.2

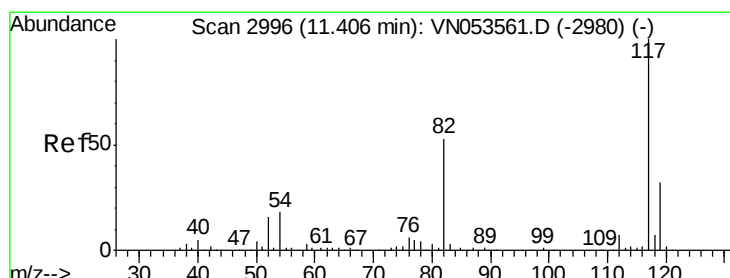
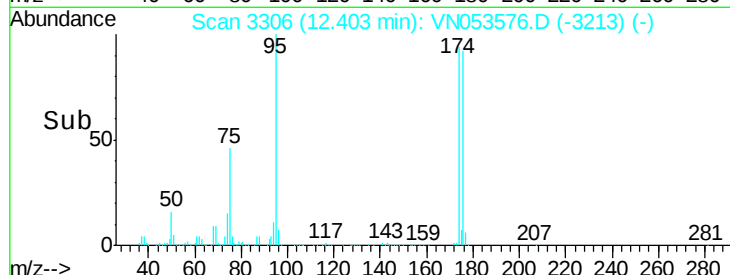
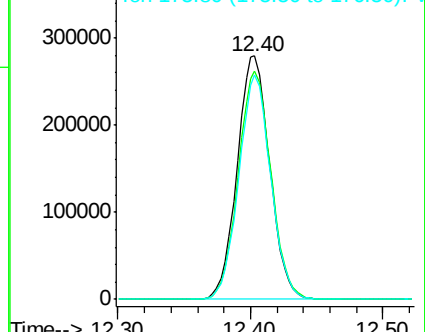
176 90.3 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053576.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN053576.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN053576.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

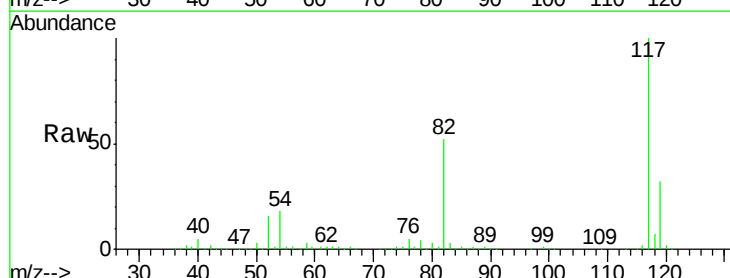
Tgt Ion: 117 Resp: 1087023

Ion Ratio Lower Upper

117 100

82 52.3 42.9 64.3

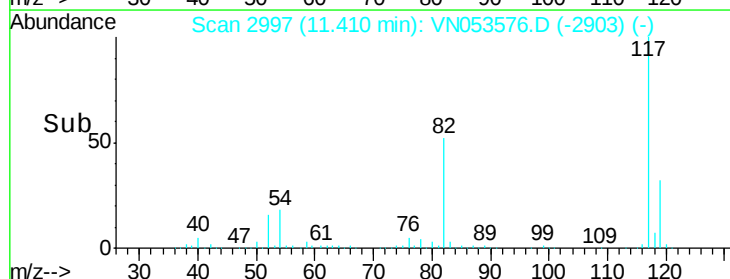
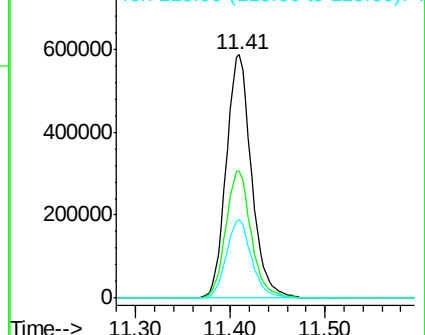
119 32.2 26.0 39.0

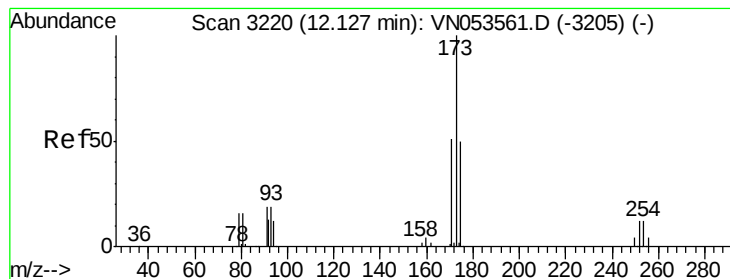


Abundance Ion 116.90 (116.60 to 117.60): VN053576.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN053576.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN053576.D (-2903) (-)





#71

Bromoform

Concen: 0.315 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

FB-01-30-19

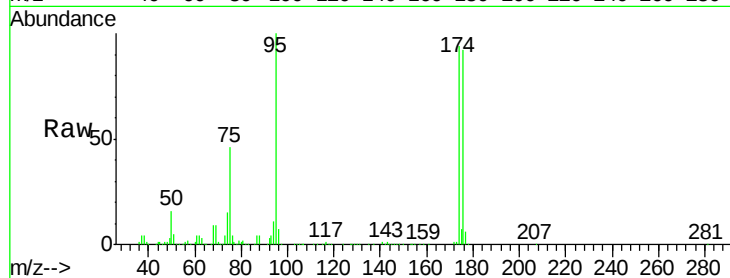
Tot Ion:173 Resp: 1742

Ion Ratio Lower Upper

173 100

175 1540.1 24.6 74.0#

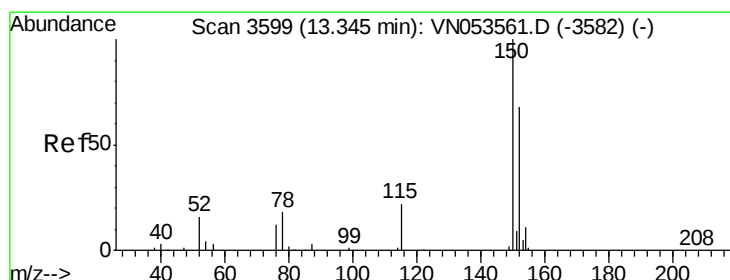
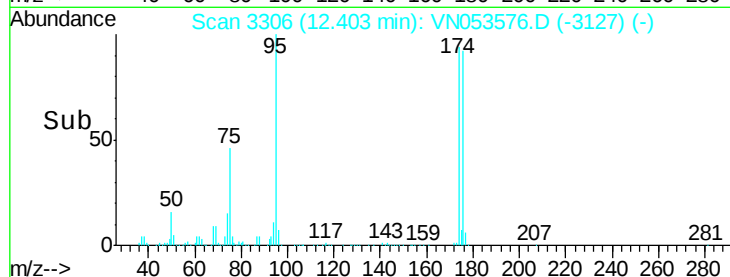
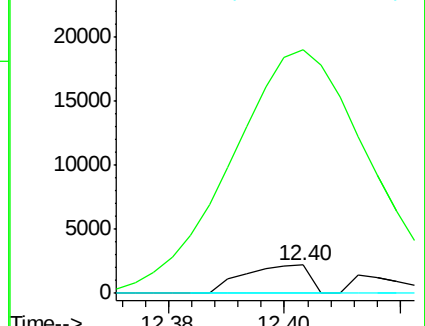
254 0.0 0.2 0.2#



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: VN053576.D

Acq: 1 Feb 2019 15:08

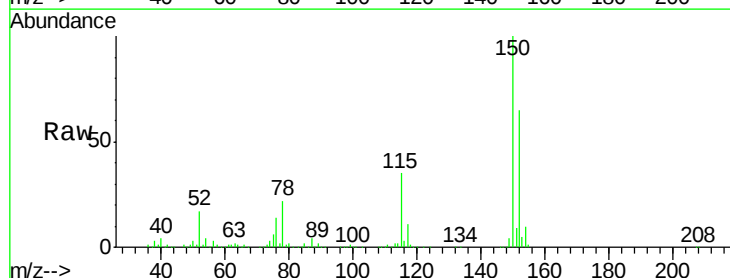
Tgt Ion:152 Resp: 456749

Ion Ratio Lower Upper

152 100

115 55.2 27.8 83.4

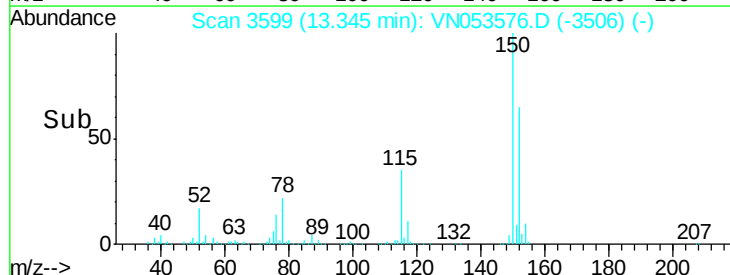
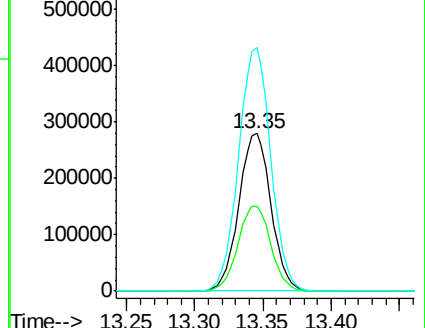
150 155.3 0.0 349.0

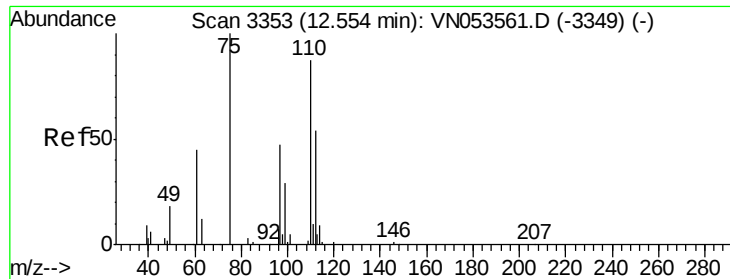


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 37.158 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampled :

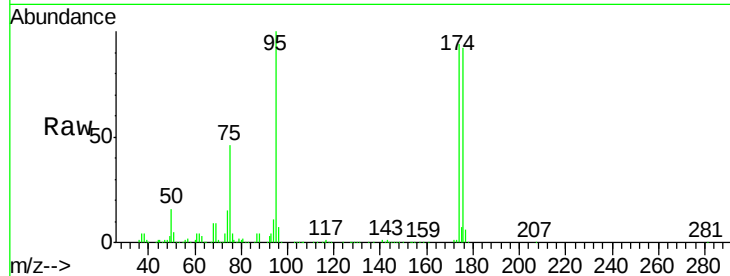
FB-01-30-19

Tot Ion: 75 Resp: 217992

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.40

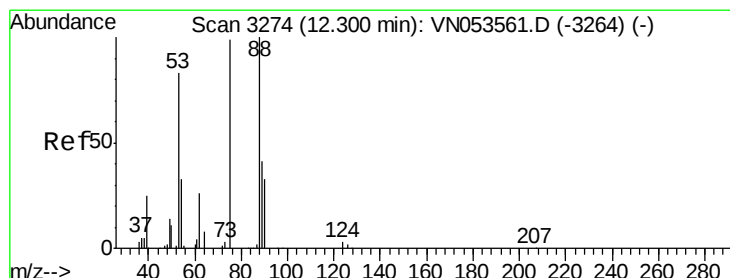
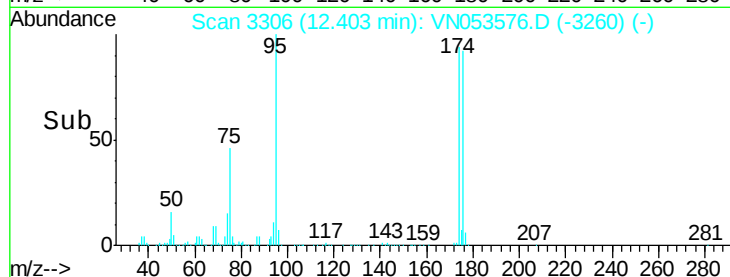
100000

50000

0

Time-->

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 104.485 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053576.D

Acq: 1 Feb 2019 15:08

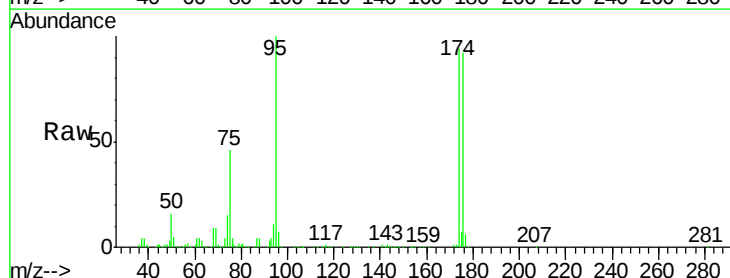
Tgt Ion: 75 Resp: 217992

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.40

150000

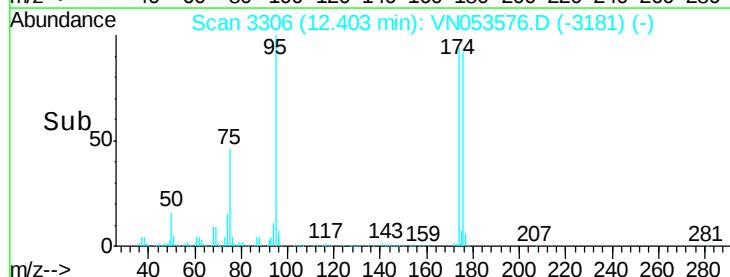
100000

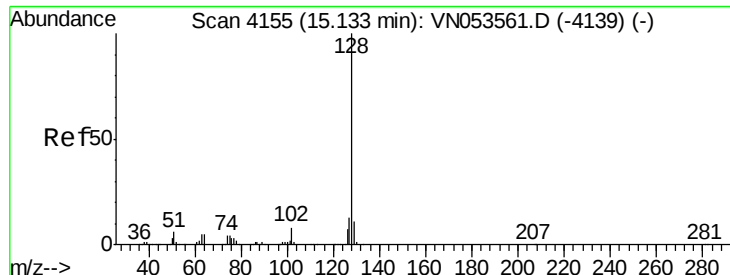
50000

0

Time-->

12.35 12.40 12.45





#95

Naphthalene

Concen: 1.778 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053576.D

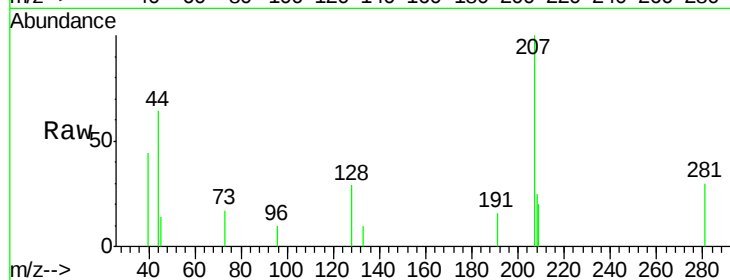
Acq: 1 Feb 2019 15:08

Instrument :

MSVOA_N

ClientSampleId :

FB-01-30-19



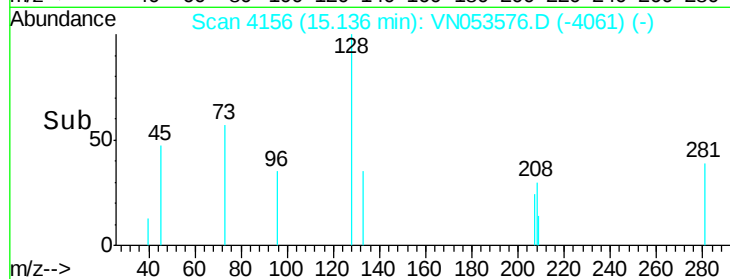
Tot Ion:128 Resp: 862

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



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

