

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052980.D
 Acq On : 19 Dec 2018 00:38
 Operator : MD\SY
 Sample : J6465-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 SOFB02_121718

Quant Time: Dec 19 03:53:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1357098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2075744	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1859641	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	799824	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	661112	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	7.59	113	518034	54.63	ug/l	0.00
Spiked Amount			Recovery	=	109.26%	
50) Toluene-d8	10.09	98	2517968	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
62) 4-Bromofluorobenzene	12.40	95	852701	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	

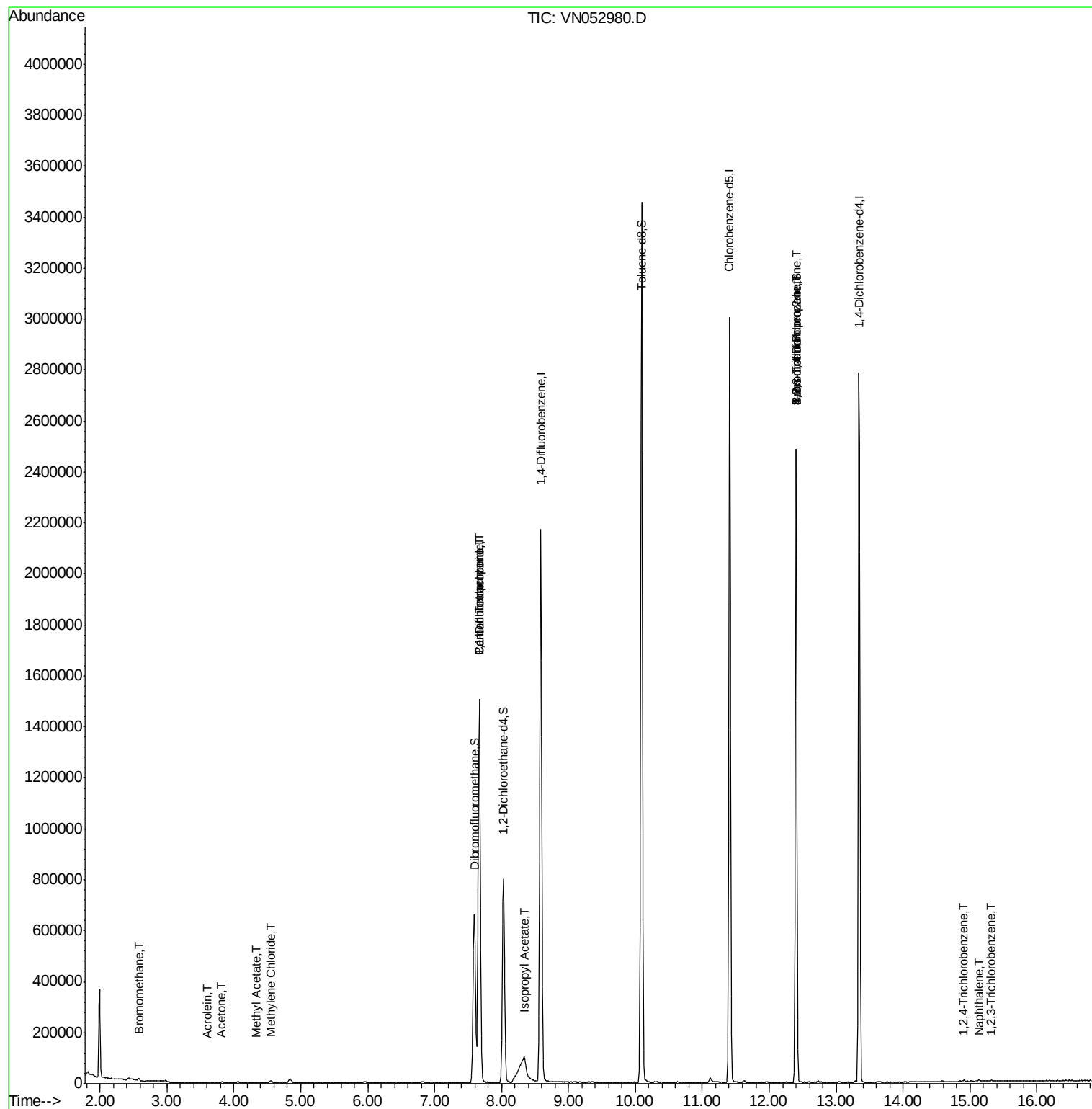
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	2966	0.254	ug/l	87
13) Acrolein	3.60	56	317	0.416	ug/l #	14
16) Acetone	3.82	43	8093	2.997	ug/l	100
18) Methyl Acetate	4.33	43	3717	1.289	ug/l #	76
20) Methylene Chloride	4.56	84	6264	0.425	ug/l #	81
31) Cyclohexane	7.67	56	21274	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	89003	4.467	ug/l #	43
38) Carbon Tetrachloride	7.67	117	116896	6.401	ug/l #	16
43) Isopropyl Acetate	8.34	43	275444	12.004	ug/l #	53
71) Bromoform	12.40	173	4850	0.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	393231	29.206	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	393231	94.133	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	1889	0.726	ug/l	96
94) Hexachlorobutadiene	15.01	225	429	Below Cal	#	62
95) Naphthalene	15.13	128	4970	1.301	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	1903	0.654	ug/l	98

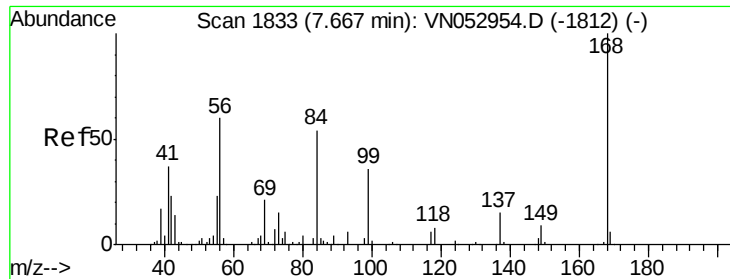
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
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: VN052980.D

Acq: 19 Dec 2018 00:38

Instrument :

MSVOA_N

ClientSampleId :

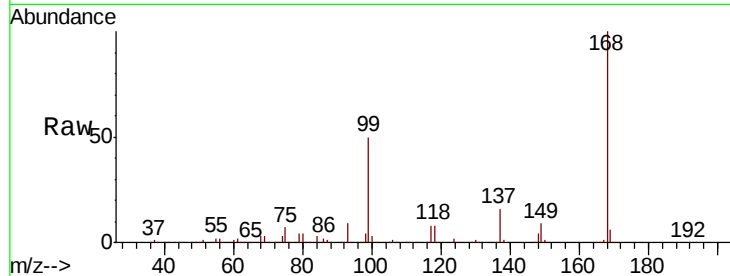
SOFB02_121718

Tot Ion:168 Resp: 1357098

Ion Ratio Lower Upper

168 100

99 49.7 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

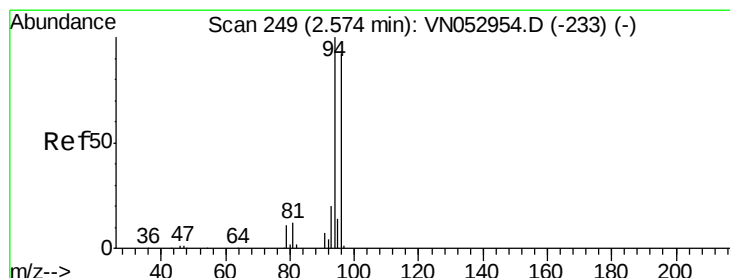
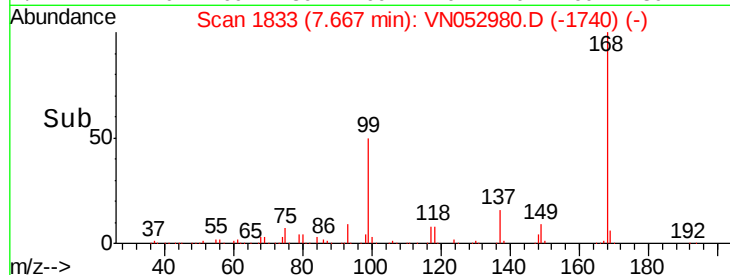
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.254 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052980.D

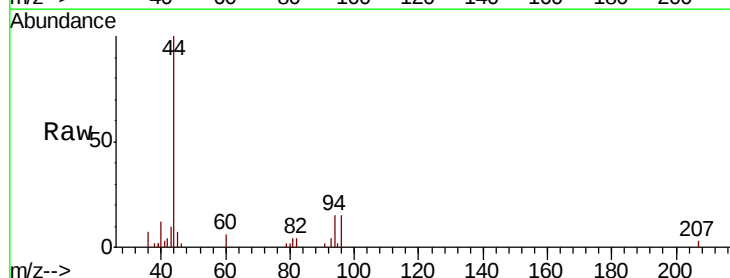
Acq: 19 Dec 2018 00:38

Tgt Ion: 94 Resp: 2966

Ion Ratio Lower Upper

94 100

96 106.3 75.0 112.4



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.58

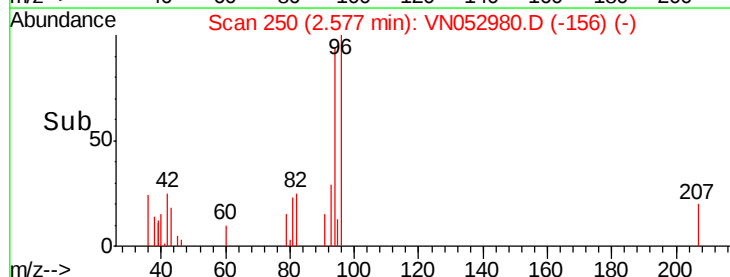
1500

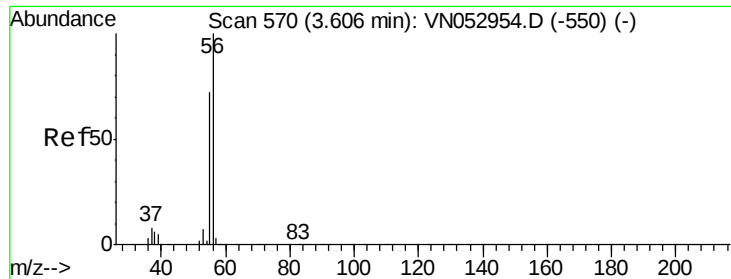
1000

500

0

Time-->





#13

Acrolein

Concen: 0.416 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

Instrument :

MSVOA_N

ClientSampleId :

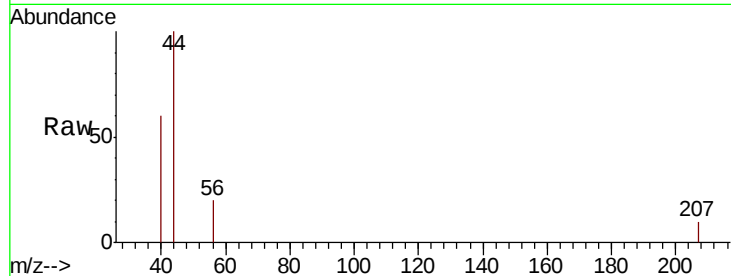
SOFB02_121718

Tot Ion: 56 Resp: 317

Ion Ratio Lower Upper

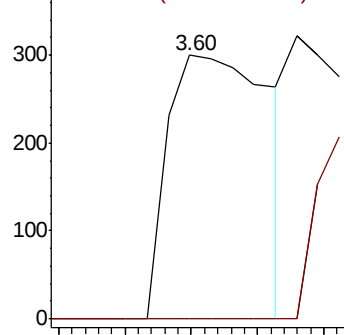
56 100

55 0.0 56.6 85.0#

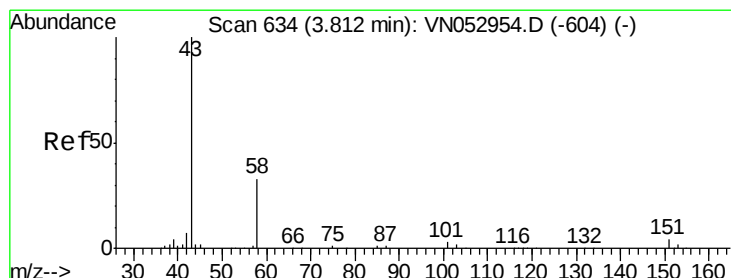
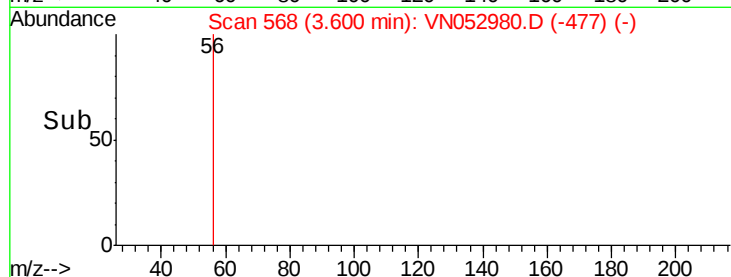


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 2.997 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052980.D

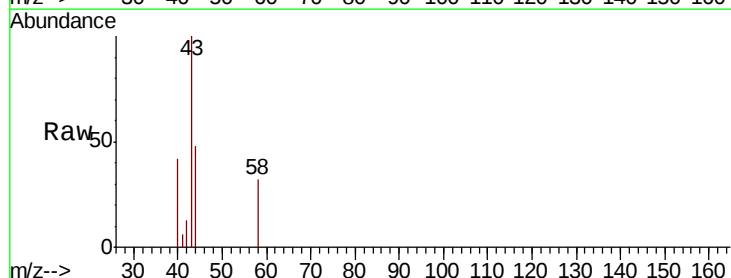
Acq: 19 Dec 2018 00:38

Tgt Ion: 43 Resp: 8093

Ion Ratio Lower Upper

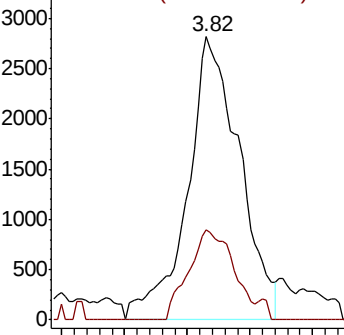
43 100

58 31.9 25.4 38.0

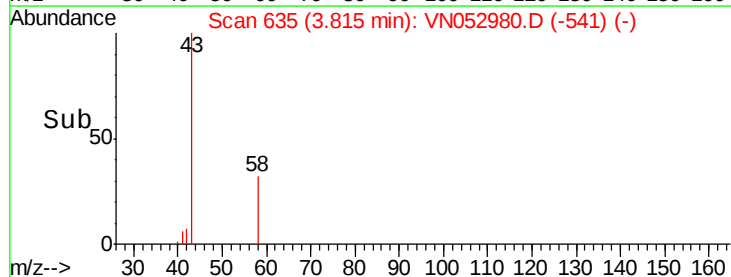


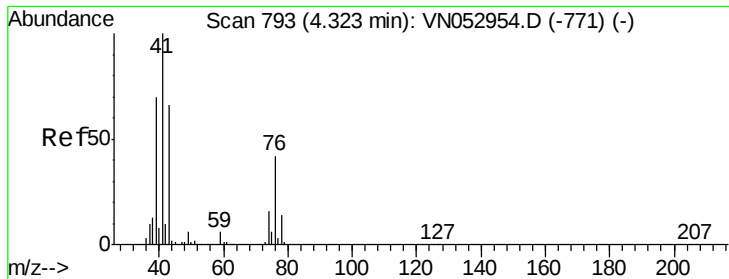
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

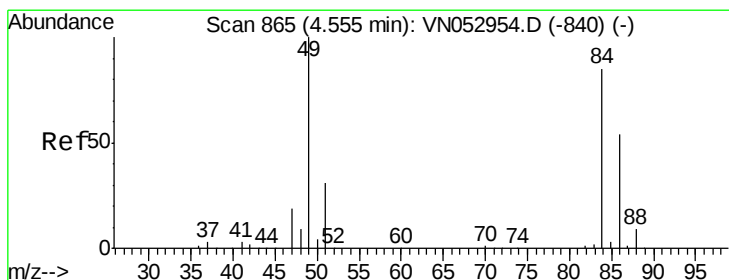
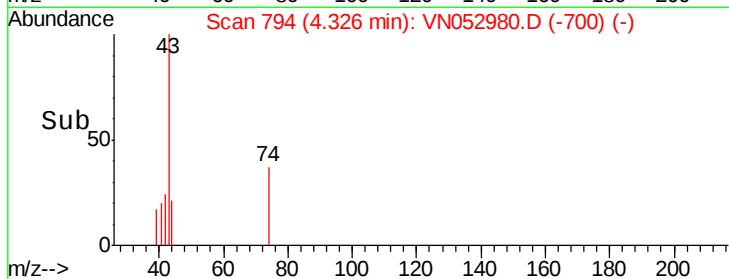
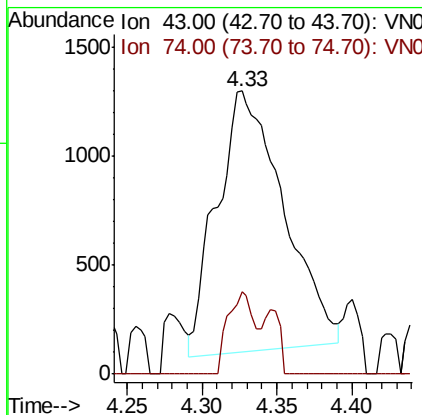
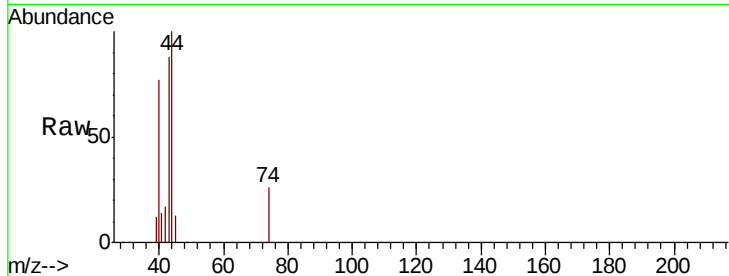




#18
Methyl Acetate
Concen: 1.289 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

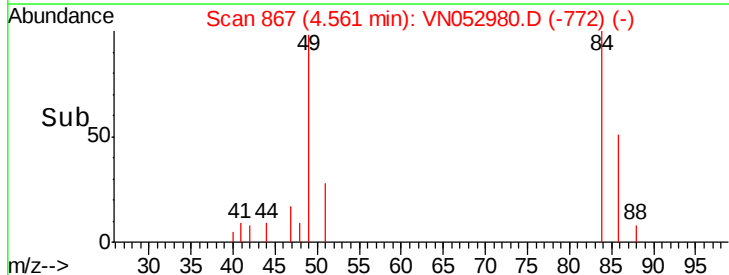
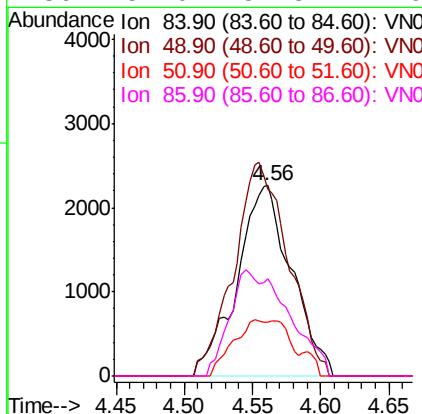
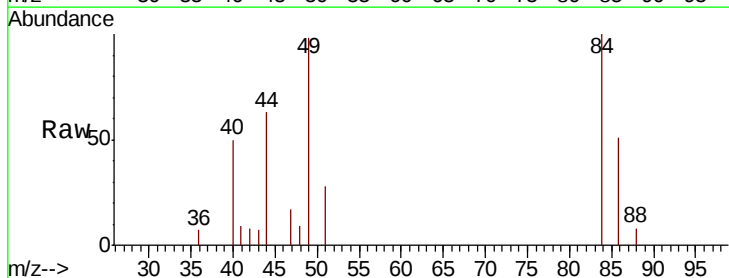
Instrument :
MSVOA_N
ClientSampleId :
SOFB02_121718

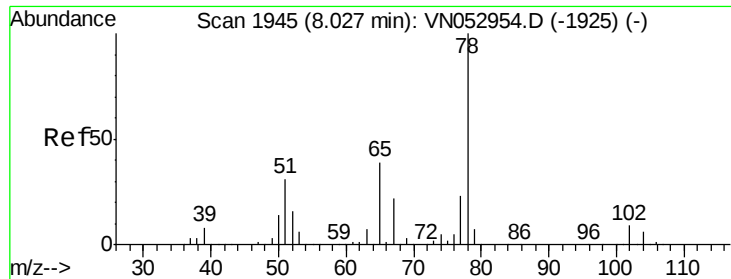
Tot Ion: 43 Resp: 3717
Ion Ratio Lower Upper
43 100
74 11.9 19.2 28.8#



#20
Methylene Chloride
Concen: 0.425 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.01 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

Tgt Ion: 84 Resp: 6264
Ion Ratio Lower Upper
84 100
49 97.9 96.8 145.2
51 28.3 29.9 44.9#
86 51.0 51.8 77.6#





#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

Instrument :

MSVOA_N

ClientSampleId :

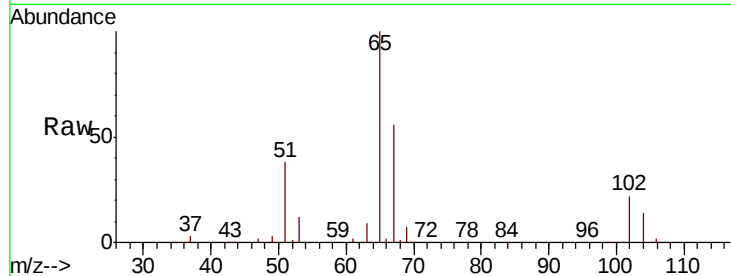
SOFB02_121718

Tot Ion: 65 Resp: 661112

Ion Ratio Lower Upper

65 100

67 55.8 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

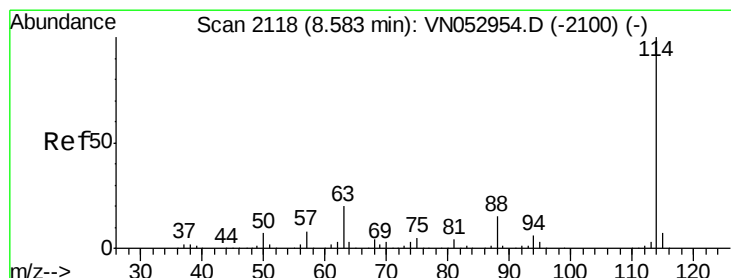
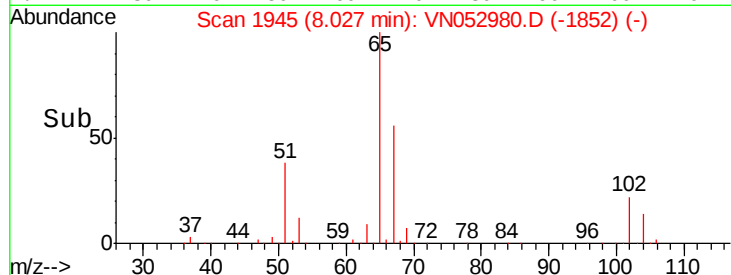
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

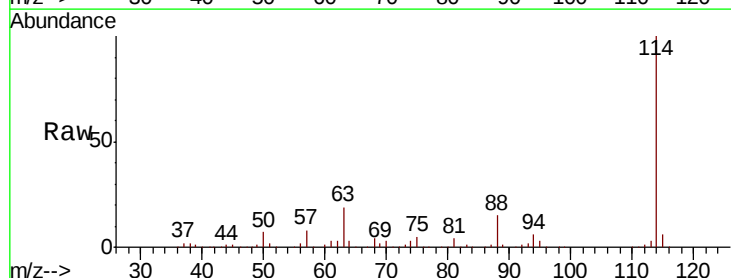
Tgt Ion: 114 Resp: 2075744

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.8

88 15.4 0.0 31.0



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

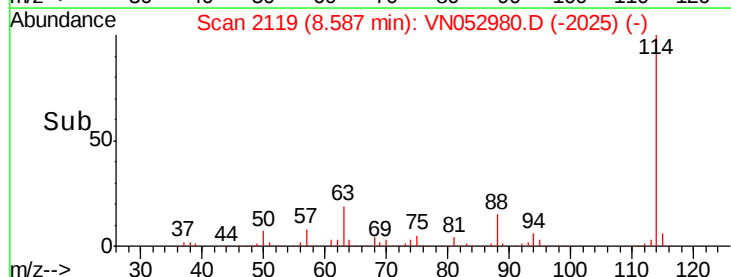
8.59

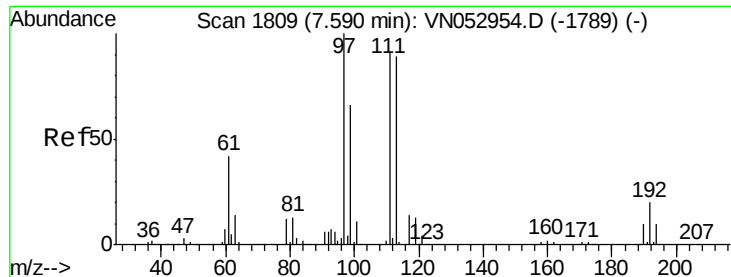
1000000

500000

0

Time-->

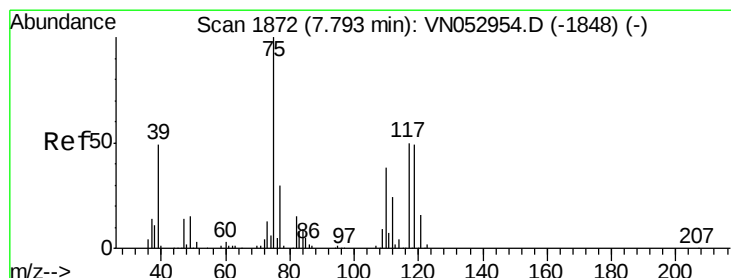
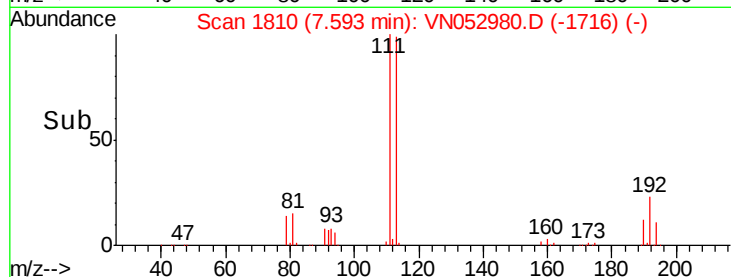
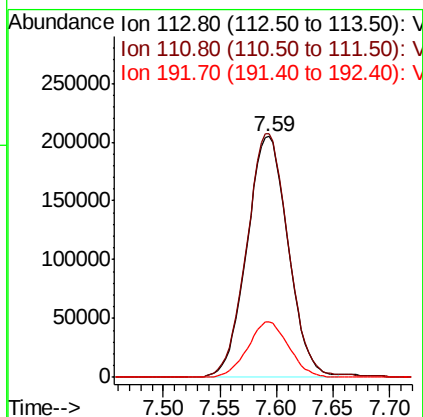
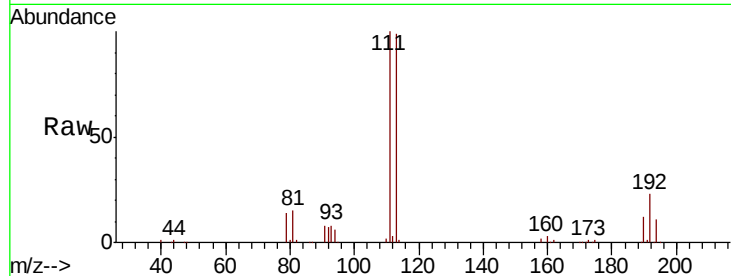




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

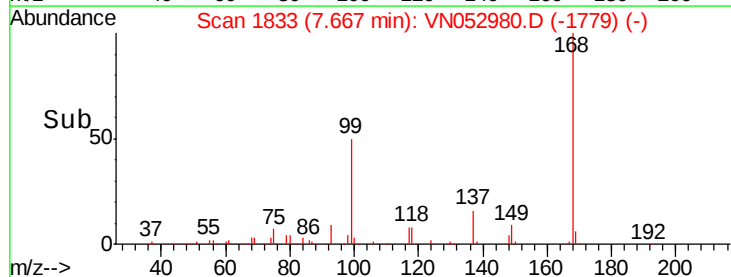
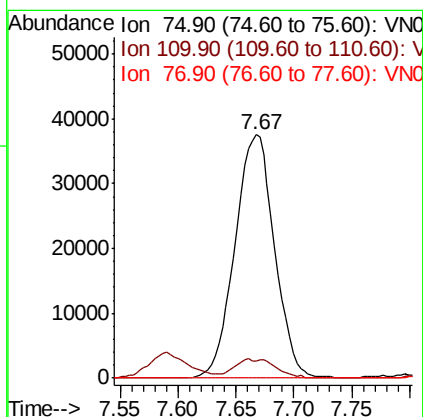
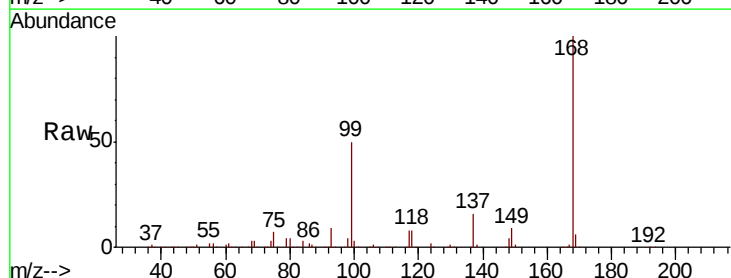
Instrument :
MSVOA_N
ClientSampleId :
SOFB02_121718

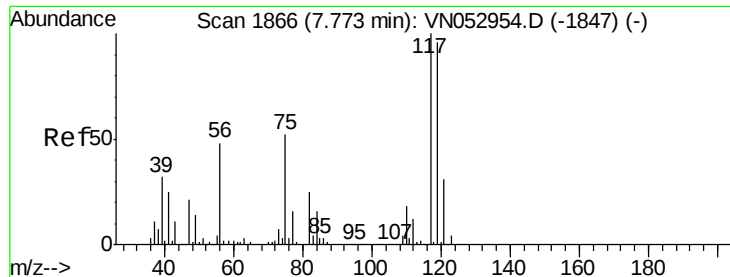
Tot Ion:113 Resp: 518034
Ion Ratio Lower Upper
113 100
111 102.6 83.0 124.4
192 23.1 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.467 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.13 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

Tgt Ion: 75 Resp: 89003
Ion Ratio Lower Upper
75 100
110 2.9 18.2 54.6#
77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.401 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

Instrument :

MSVOA_N

ClientSampleId :

SOFB02_121718

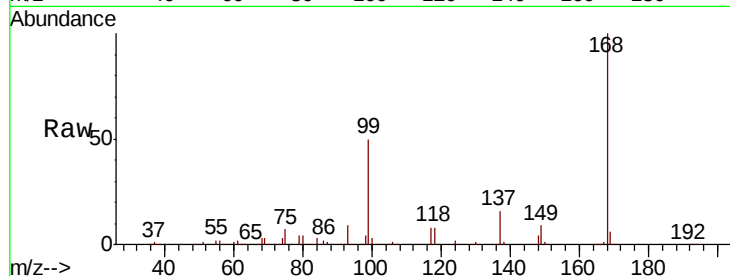
Tot Ion:117 Resp: 116896

Ion Ratio Lower Upper

117 100

119 5.0 77.1 115.7#

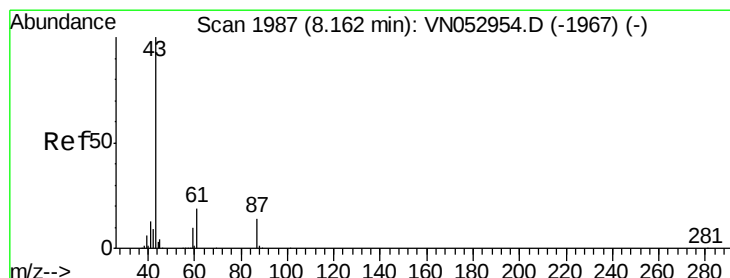
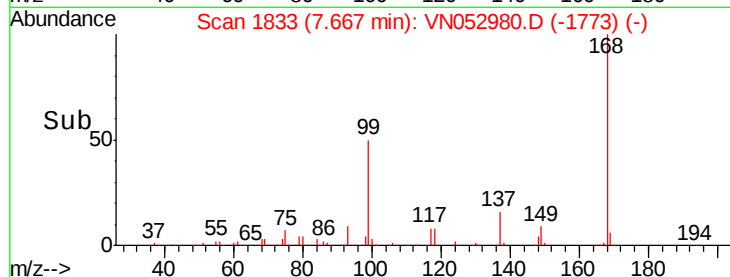
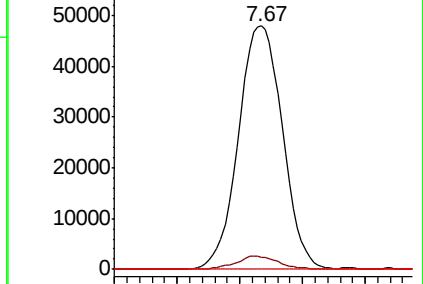
121 0.0 24.9 37.3#



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: 12.004 ug/l

RT: 8.34 min Scan# 2041

Delta R.T. 0.17 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

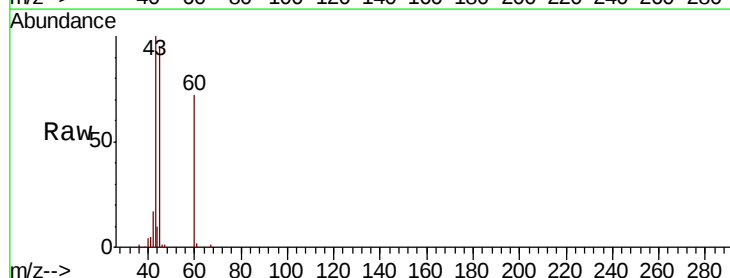
Tgt Ion: 43 Resp: 275444

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

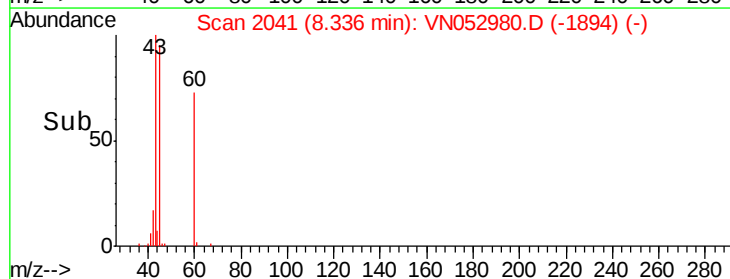
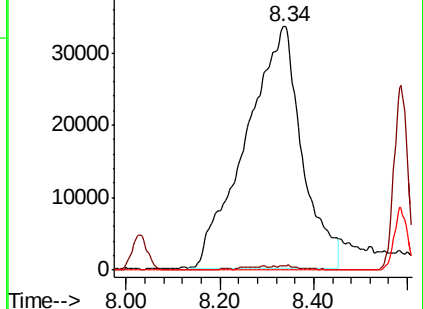
87 0.0 10.6 15.8#

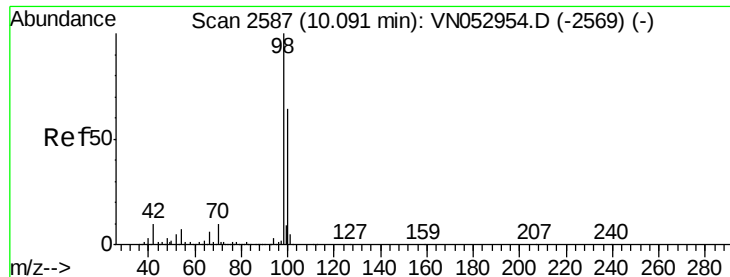


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

Instrument :

MSVOA_N

ClientSampleId :

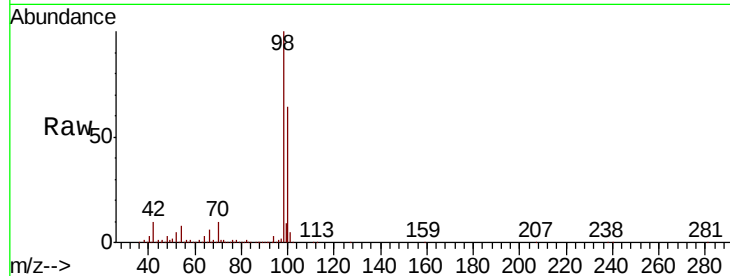
SOFB02_121718

Tot Ion: 98 Resp: 2517968

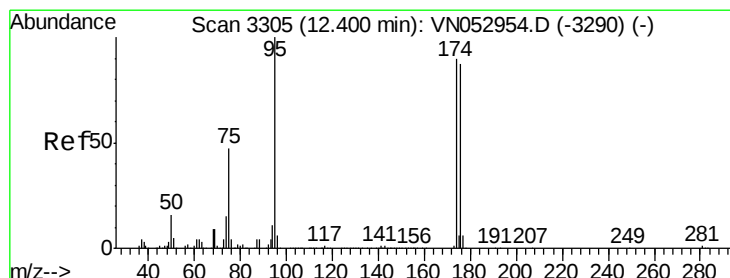
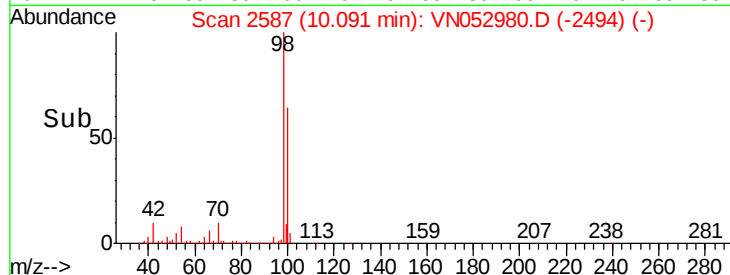
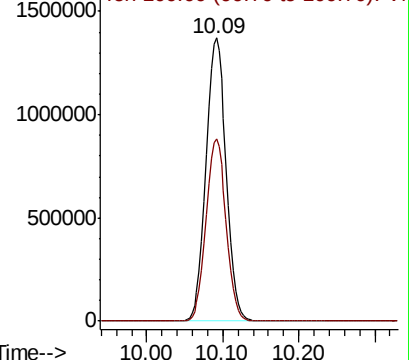
Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052954.D (-2569) (-)



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

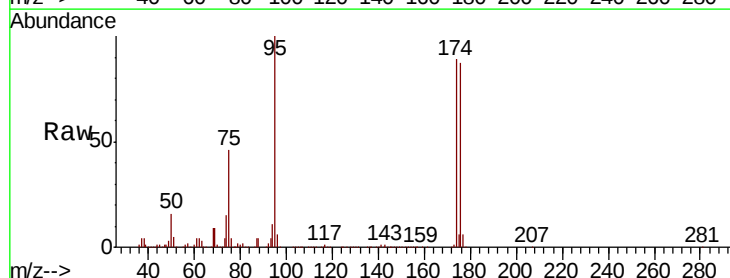
Tgt Ion: 95 Resp: 852701

Ion Ratio Lower Upper

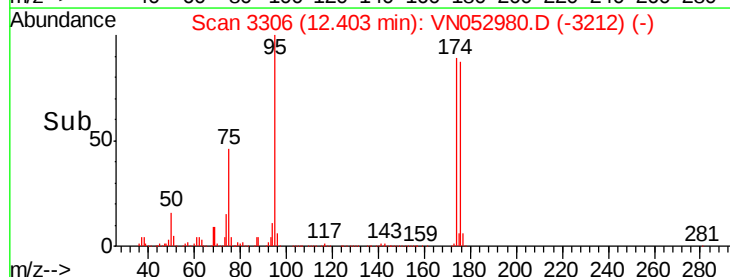
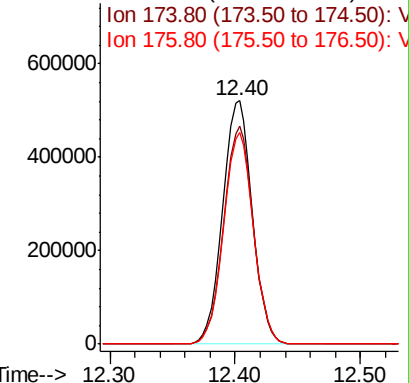
95 100

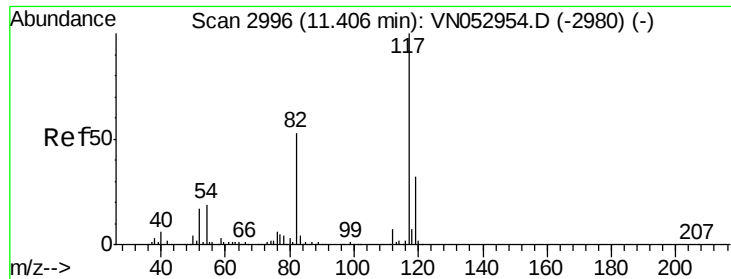
174 89.7 0.0 178.8

176 87.3 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VN052954.D (-3290) (-)

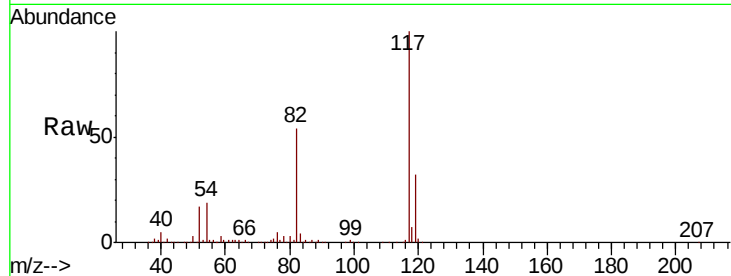




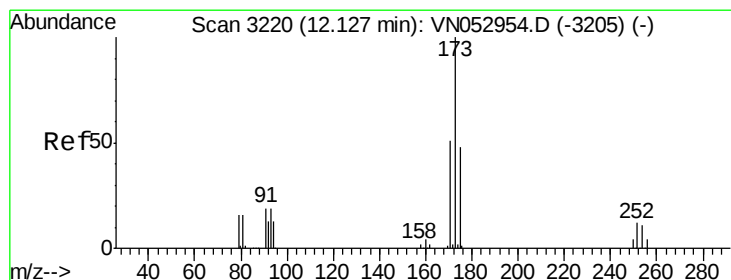
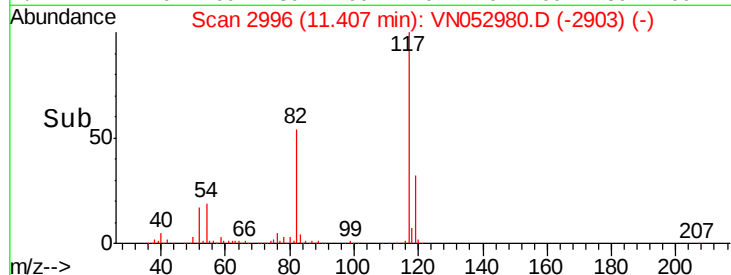
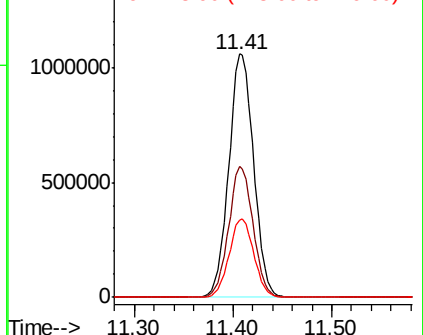
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

Instrument :
MSVOA_N
ClientSampleId :
SOFB02_121718

Tot Ion:117 Resp: 1859641
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.0 25.5 38.3

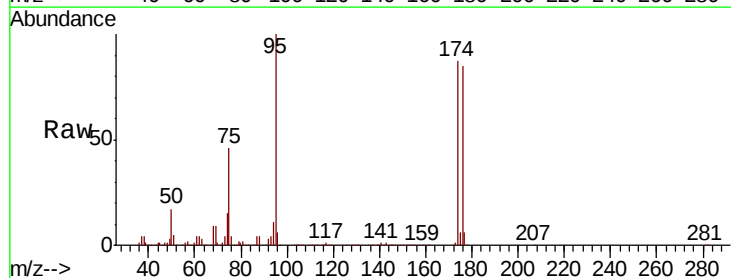


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

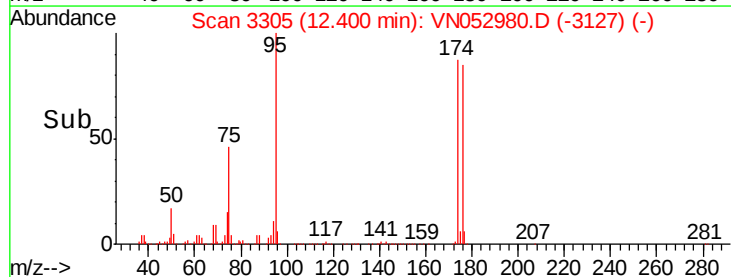
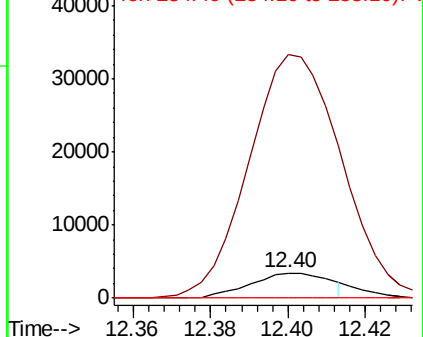


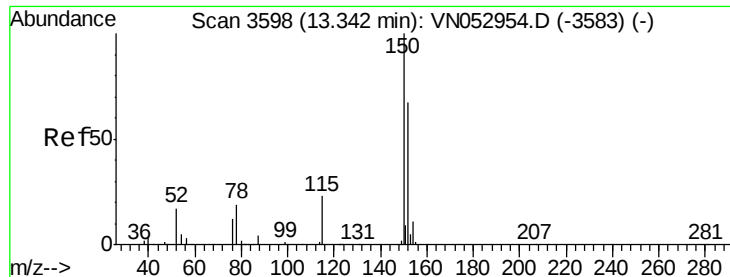
#71
Bromoform
Concen: 0.468 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

Tgt Ion:173 Resp: 4850
Ion Ratio Lower Upper
173 100
175 999.4 24.3 72.9#
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: VN052980.D

Acq: 19 Dec 2018 00:38

Instrument :

MSVOA_N

ClientSampleId :

SOFB02_121718

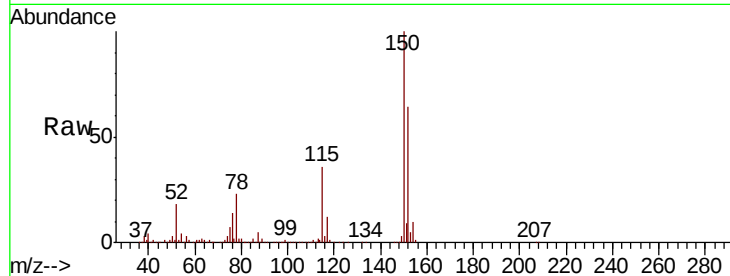
Tot Ion:152 Resp: 799824

Ion Ratio Lower Upper

152 100

115 55.5 28.3 85.0

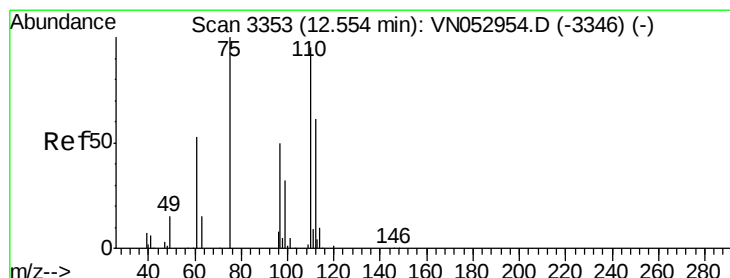
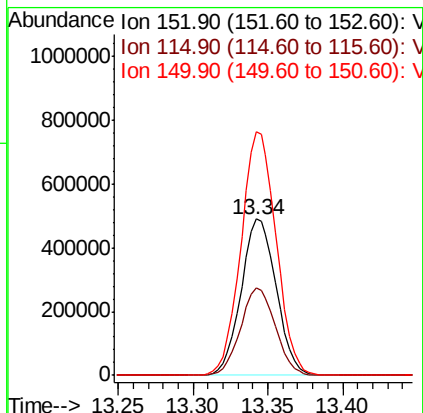
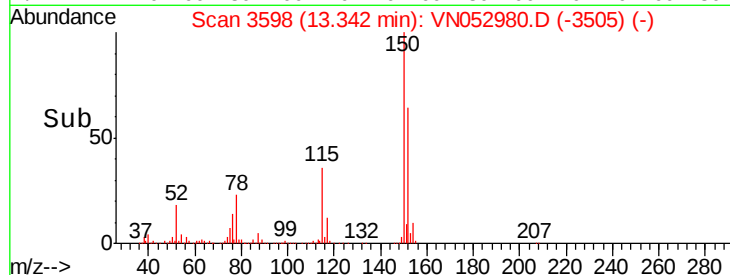
150 155.6 0.0 347.8



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: 29.206 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052980.D

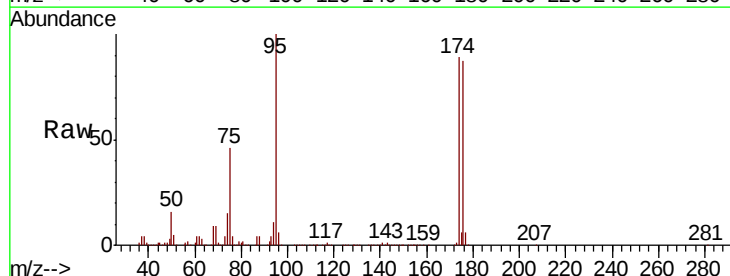
Acq: 19 Dec 2018 00:38

Tgt Ion: 75 Resp: 393231

Ion Ratio Lower Upper

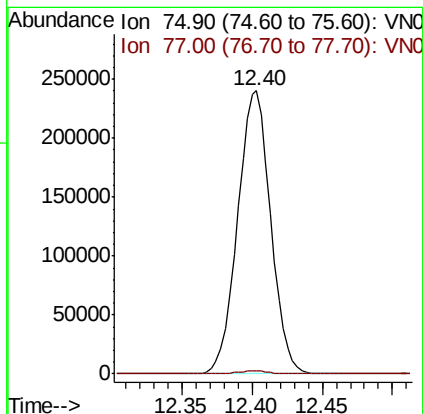
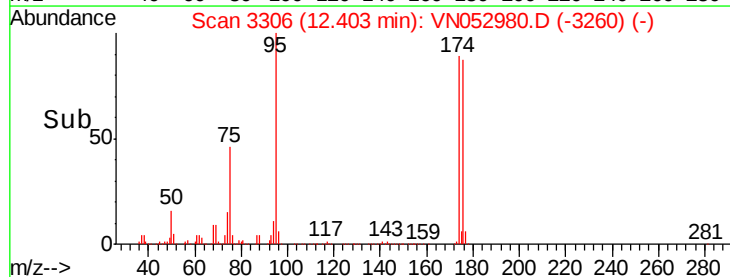
75 100

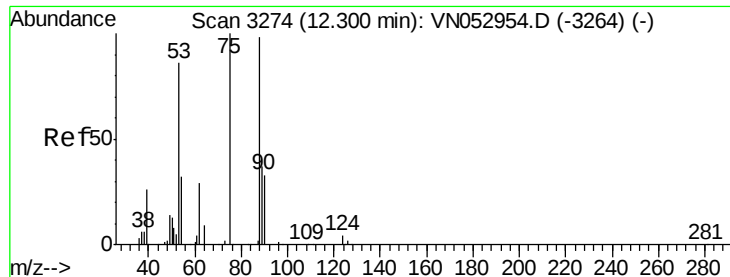
77 1.1 0.0 0.0#



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: 94.133 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

Instrument :

MSVOA_N

ClientSampleId :

SOFB02_121718

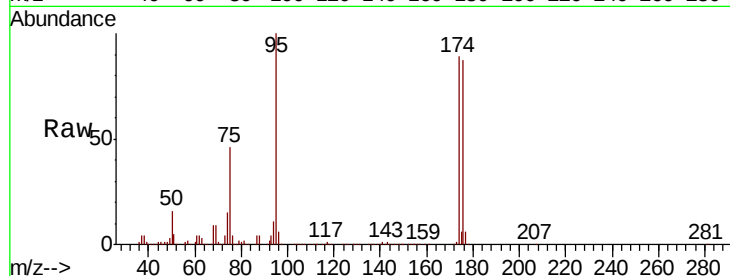
Tot Ion: 75 Resp: 393231

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

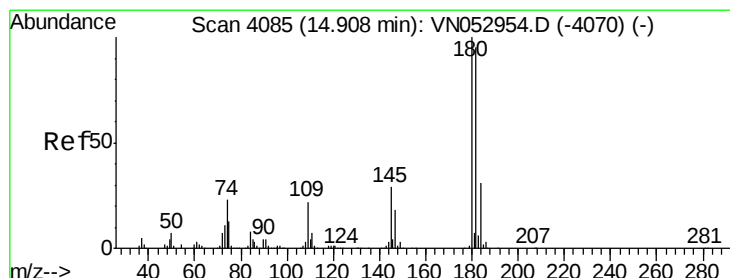
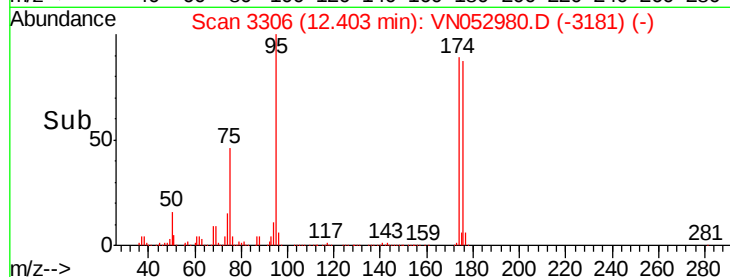
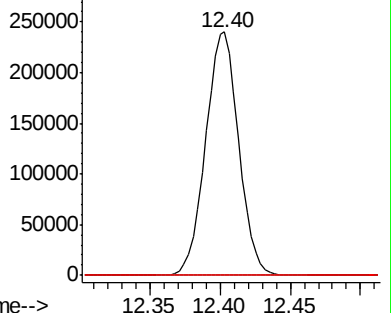
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN052954.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN052954.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN052954.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.726 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN052980.D

Acq: 19 Dec 2018 00:38

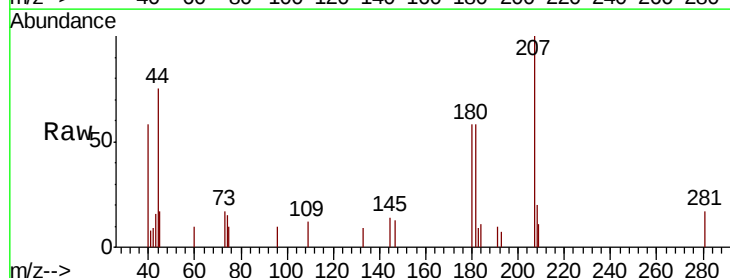
Tgt Ion: 180 Resp: 1889

Ion Ratio Lower Upper

180 100

182 98.8 47.8 143.3

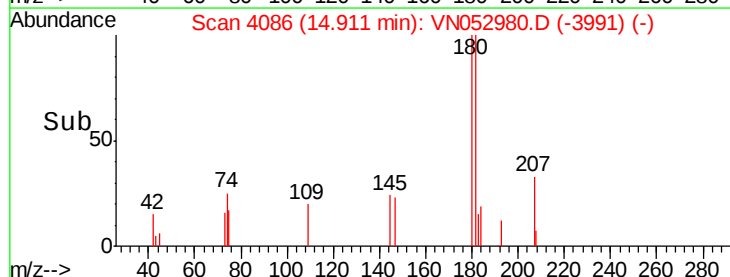
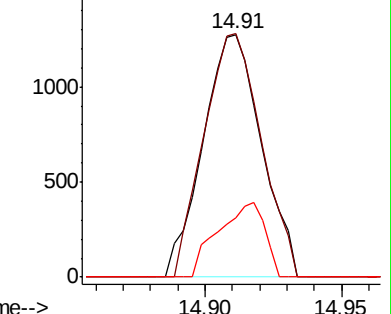
145 24.7 14.2 42.6

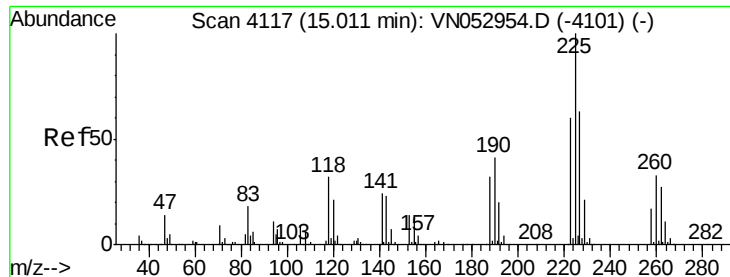


Abundance Ion 179.80 (179.50 to 180.50): VN052954.D (-4070) (-)

Ion 181.80 (181.50 to 182.50): VN052954.D (-4070) (-)

Ion 144.80 (144.50 to 145.50): VN052954.D (-4070) (-)

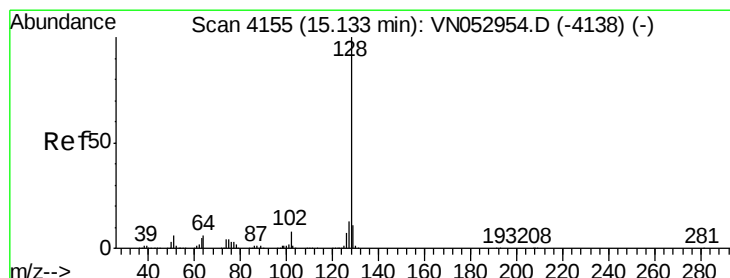
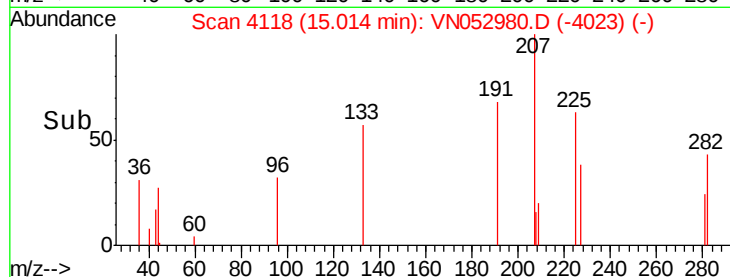
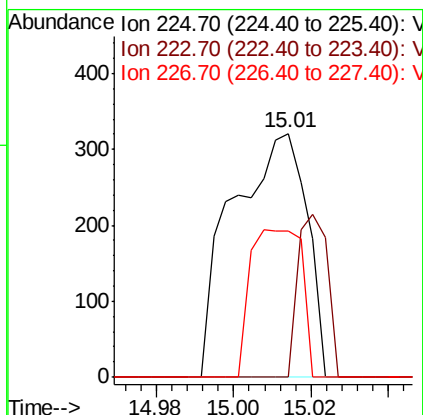
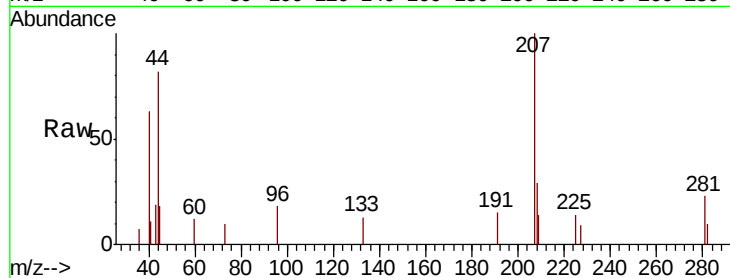




#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4118
Delta R.T. 0.00 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

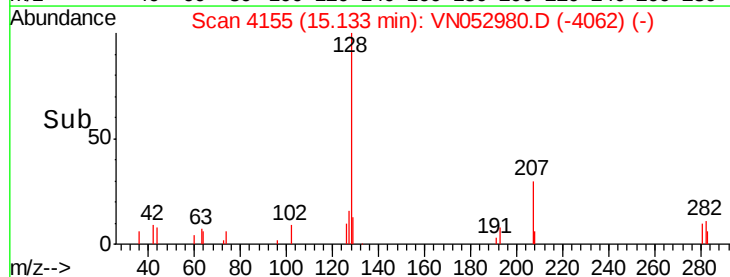
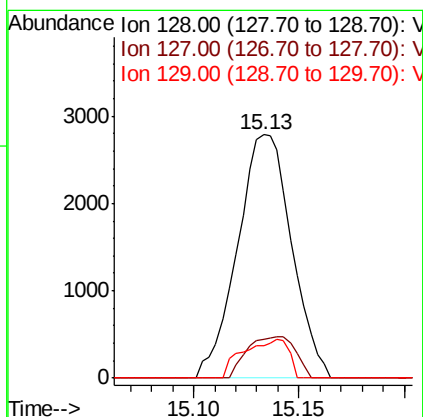
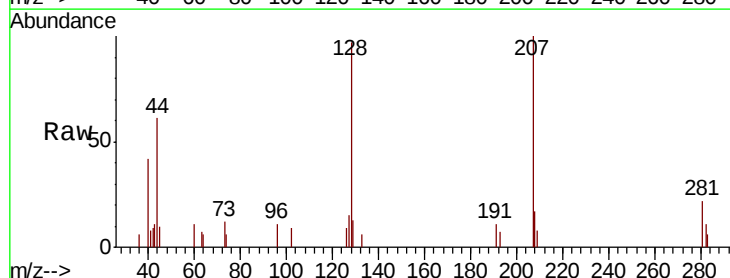
Instrument :
MSVOA_N
ClientSampleId :
SOFB02_121718

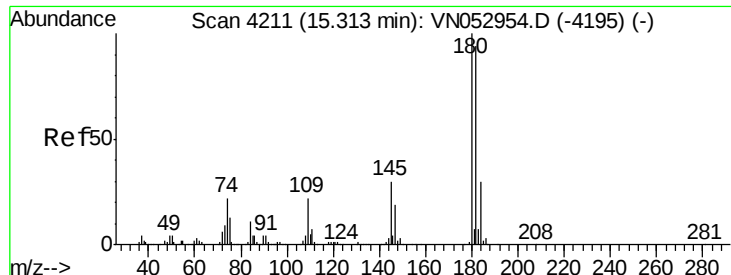
Tot Ion:225 Resp: 429
Ion Ratio Lower Upper
225 100
223 26.6 31.5 94.5#
227 41.7 31.9 95.7



#95
Naphthalene
Concen: 1.301 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052980.D
Acq: 19 Dec 2018 00:38

Tgt Ion:128 Resp: 4970
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.4
129 13.3 8.6 13.0#

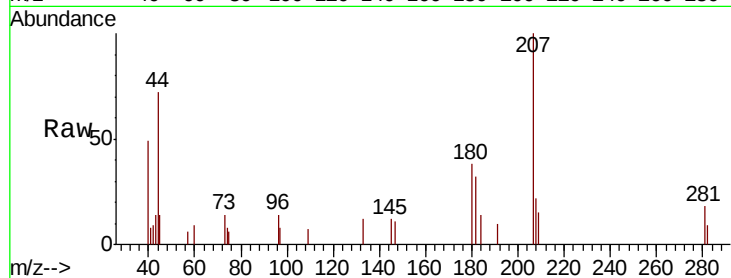




#96
 1,2,3-Trichlorobenzene
 Concen: 0.654 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN052980.D
 Acq: 19 Dec 2018 00:38

Instrument :
 MSVOA_N
 ClientSampleId :
 SOFB02_121718

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.9	143.7
145	27.9	15.0	45.0



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

