

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052580.D
 Acq On : 29 Nov 2018 22:51
 Operator : MD\SY
 Sample : VN1129WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBL02

Quant Time: Nov 29 23:47:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N112618W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Nov 27 00:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	171037	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	982902	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	813351	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	351486	30.16	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.53%
60) 4-Bromofluorobenzene	12.40	95	323490	26.01	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.70%
63) Toluene-d8	10.09	98	1143080	30.31	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.03%

Target Compounds

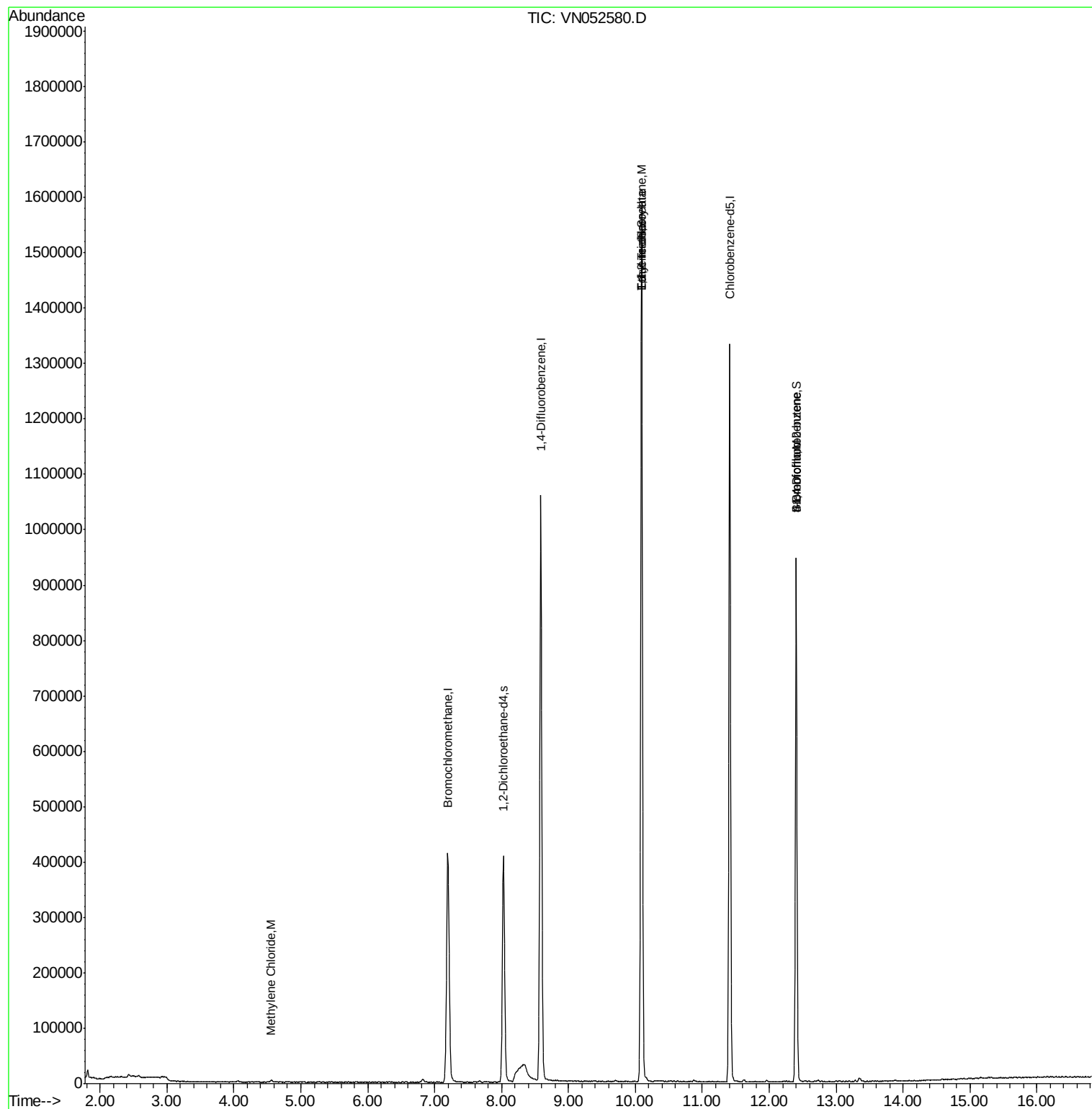
					Ovalue
18) Methylene Chloride	4.56	84	2470	0.222 ug/l #	75
50) 1,1,2-Trichloroethane	10.10	97	33643	3.631 ug/l #	1
51) Ethyl methacrylate	10.10	69	2967	0.255 ug/l	73
56) Bromoform	12.40	173	2227	0.334 ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	154934	56.492 ug/l #	11

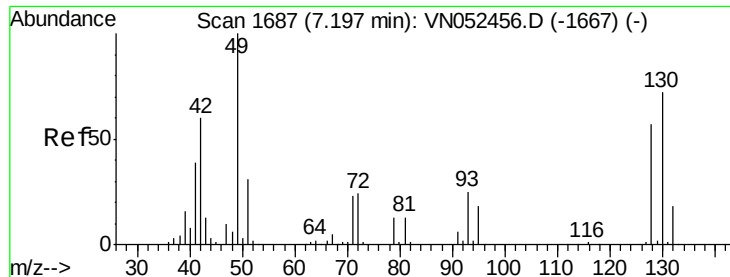
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN052580.D

Acq: 29 Nov 2018 22:51

Instrument :

MSVOA_N

ClientSampled :

VN1129WBL02

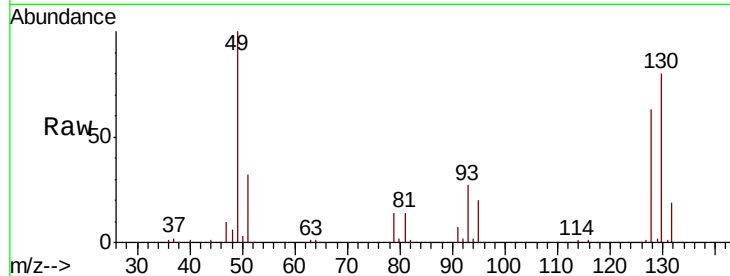
Tot Ion:128 Resp: 171037

Ion Ratio Lower Upper

128 100

49 160.8 0.0 431.8

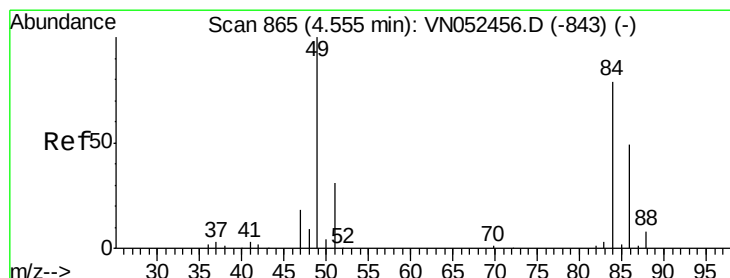
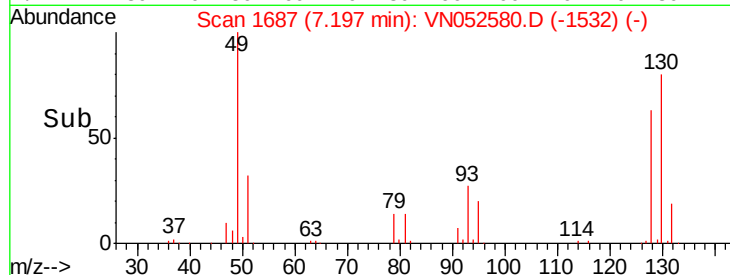
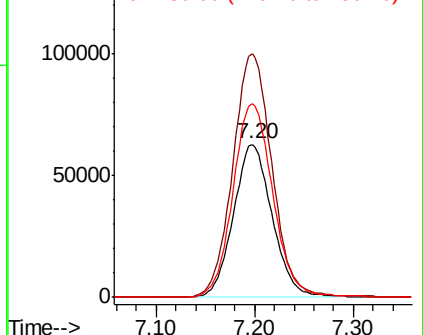
130 129.4 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#18

Methylene Chloride

Concen: 0.222 ug/l

RT: 4.56 min Scan# 867

Delta R.T. 0.01 min

Lab File: VN052580.D

Acq: 29 Nov 2018 22:51

Tgt Ion: 84 Resp: 2470

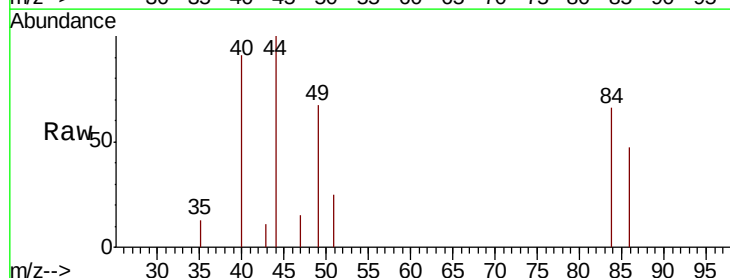
Ion Ratio Lower Upper

84 100

49 81.5 101.4 152.0#

51 37.9 31.7 47.5

86 70.9 50.1 75.1

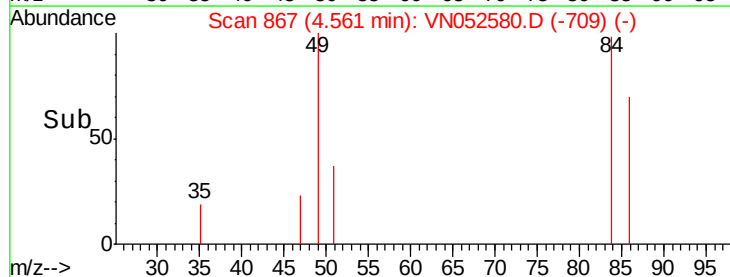
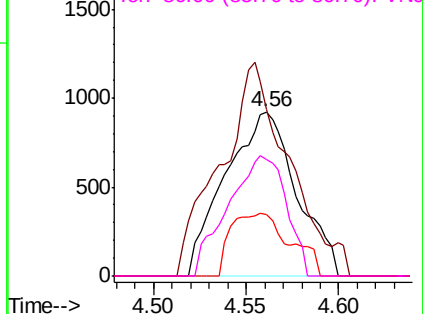


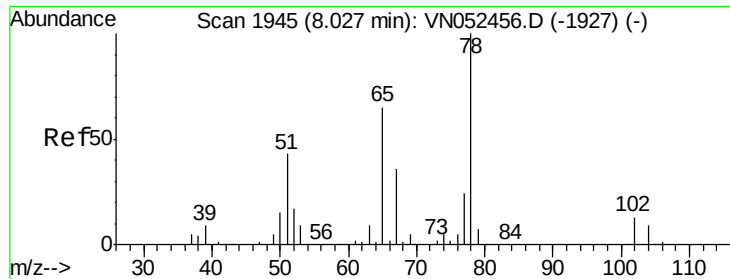
Abundance Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

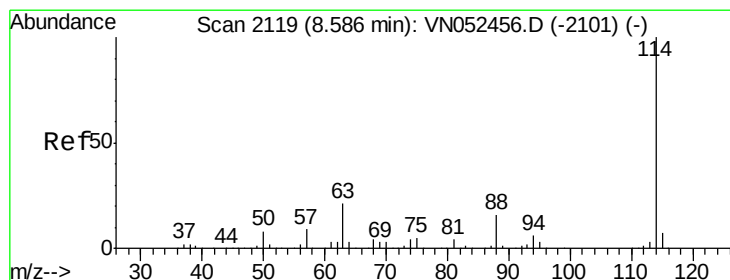
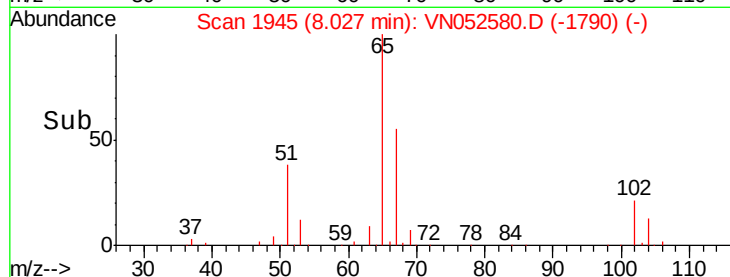
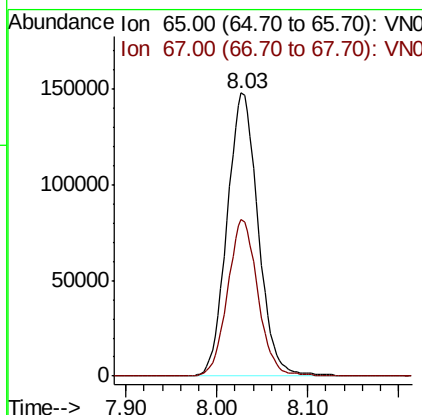
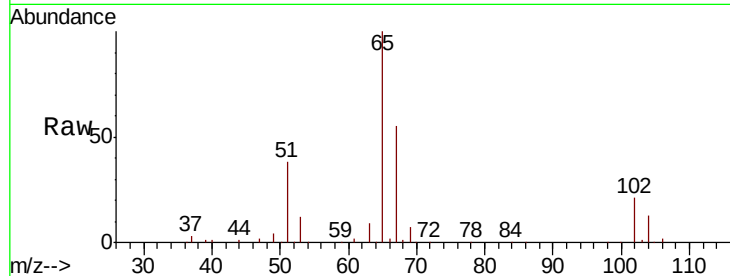




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052580.D
 Acq: 29 Nov 2018 22:51

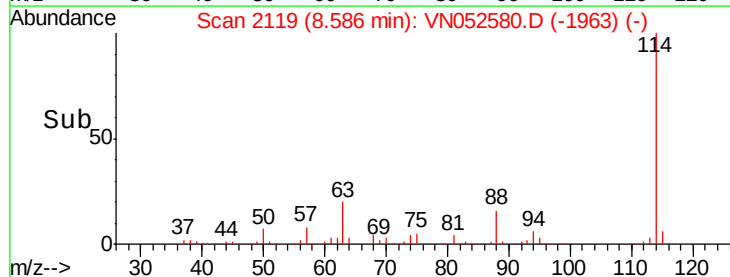
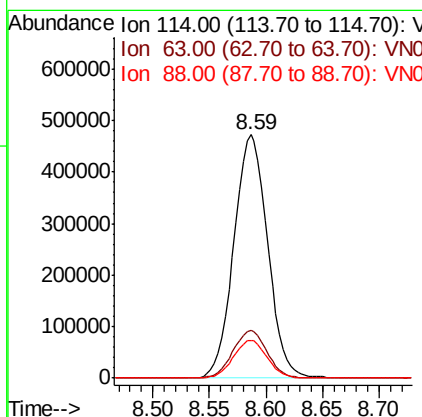
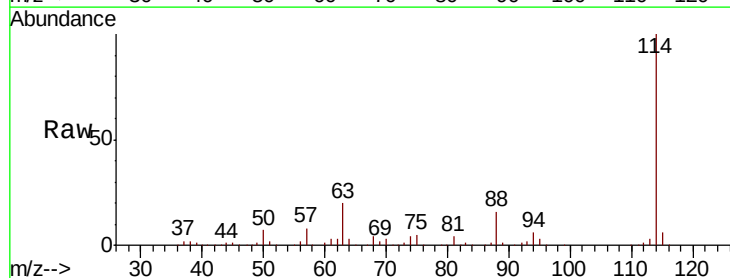
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1129WBL02

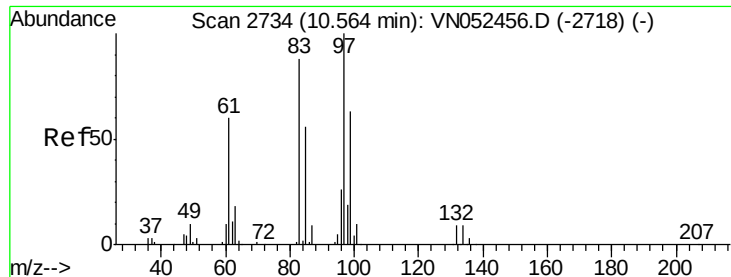
Tot Ion: 65 Resp: 351486
 Ion Ratio Lower Upper
 65 100
 67 54.0 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052580.D
 Acq: 29 Nov 2018 22:51

Tgt Ion: 114 Resp: 982902
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.9 25.3
 88 15.5 12.8 19.2





#50

1,1,2-Trichloroethane

Concen: 3.631 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.47 min

Lab File: VN052580.D

Acq: 29 Nov 2018 22:51

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBL02

Tot Ion: 97 Resp: 33643

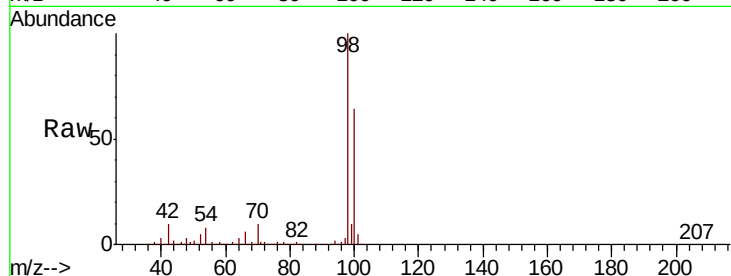
Ion Ratio Lower Upper

97 100

83 2.5 70.4 105.6#

85 0.0 45.0 67.6#

99 311.7 50.2 75.2#

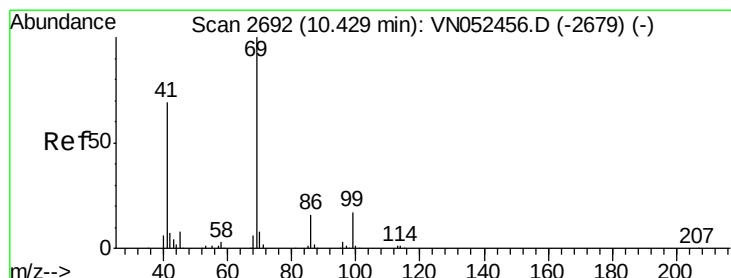
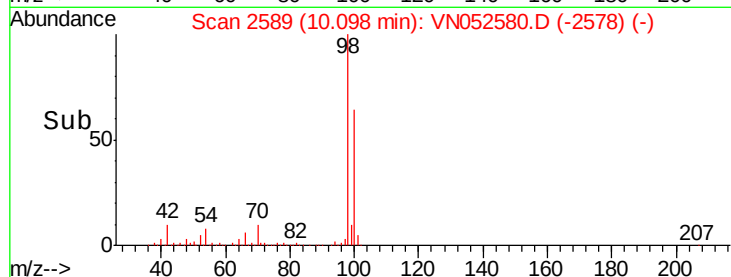
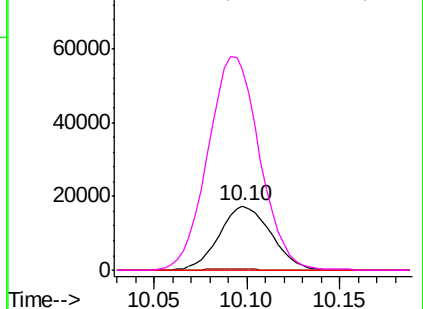


Abundance Ion 97.00 (96.70 to 97.70): VNO

Ion 82.95 (82.65 to 83.65): VNO

Ion 84.95 (84.65 to 85.65): VNO

Ion 98.95 (98.65 to 99.65): VNO



#51

Ethyl methacrylate

Concen: 0.255 ug/l

RT: 10.10 min Scan# 2589

Delta R.T. -0.33 min

Lab File: VN052580.D

Acq: 29 Nov 2018 22:51

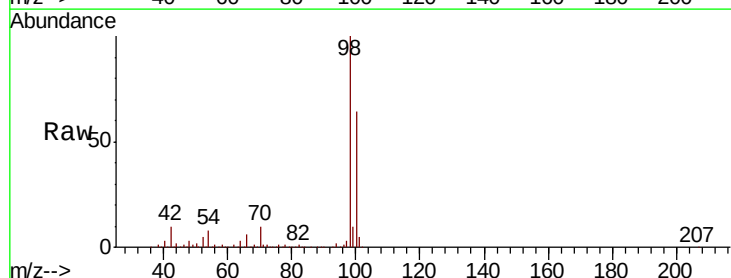
Tgt Ion: 69 Resp: 2967

Ion Ratio Lower Upper

69 100

41 99.1 34.4 103.3

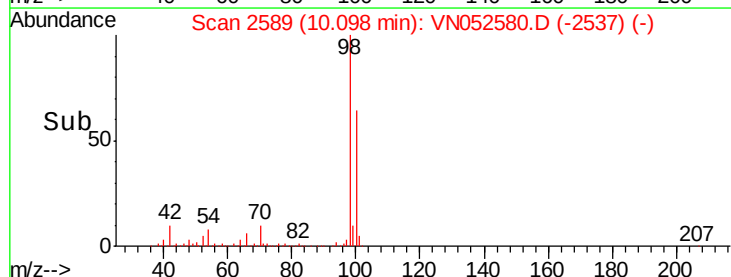
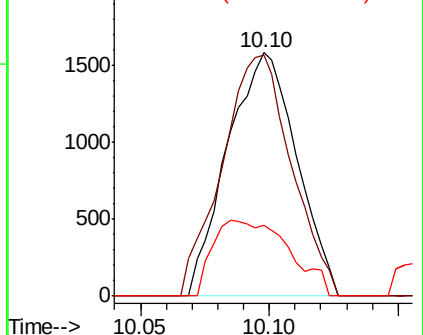
39 29.0 16.4 49.2

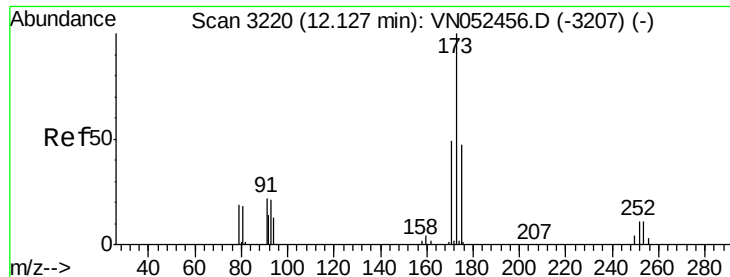


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#56

Bromoform

Concen: 0.334 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052580.D

Acq: 29 Nov 2018 22:51

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBL02

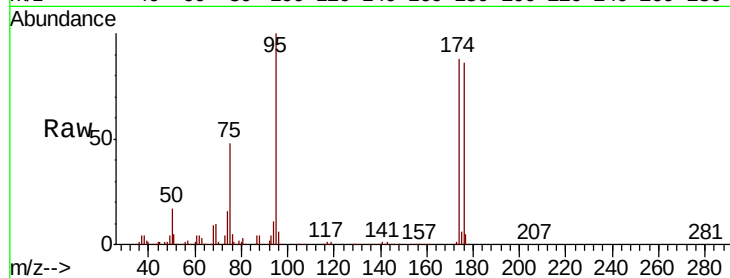
Tot Ion:173 Resp: 2227

Ion Ratio Lower Upper

173 100

175 900.6 38.7 58.1#

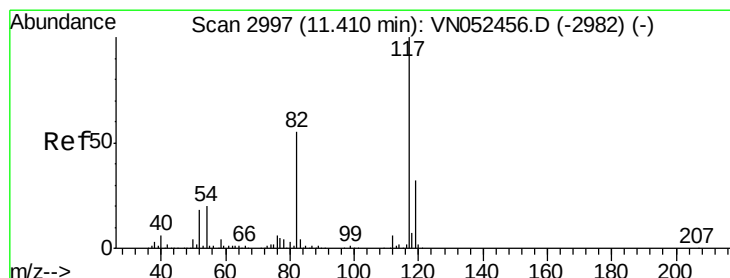
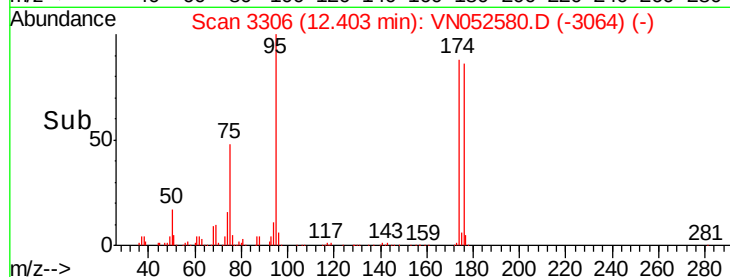
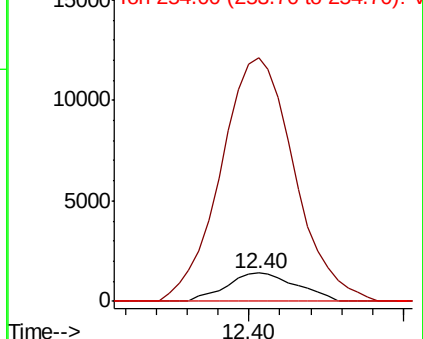
254 0.0 8.4 12.6#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. -0.00 min

Lab File: VN052580.D

Acq: 29 Nov 2018 22:51

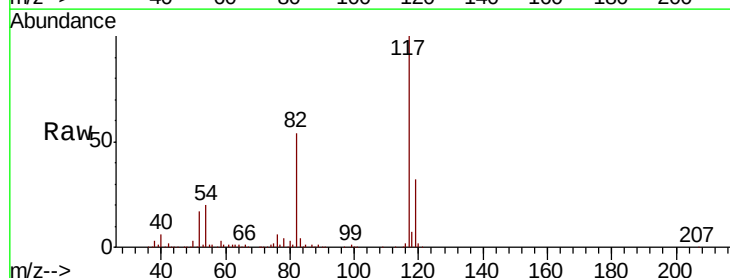
Tgt Ion:117 Resp: 813351

Ion Ratio Lower Upper

117 100

82 53.9 44.2 66.2

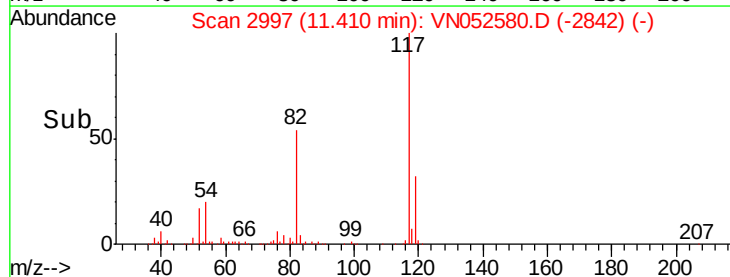
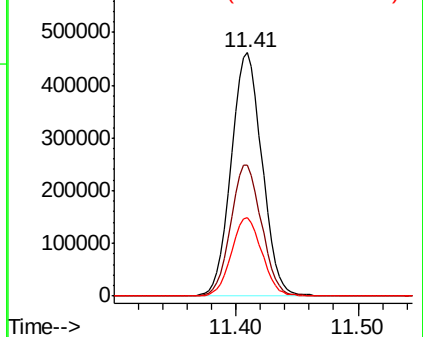
119 32.0 25.4 38.2

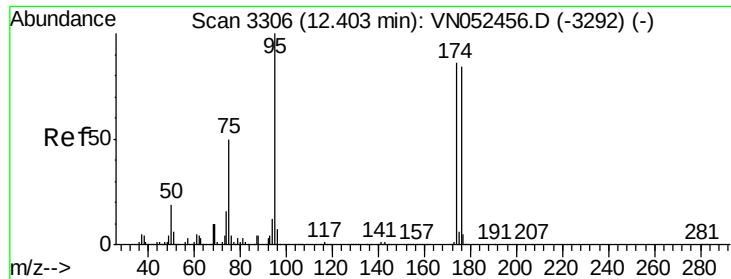


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN052580.D

Acq: 29 Nov 2018 22:51

Instrument :

MSVOA_N

ClientSampleId :

VN1129WBL02

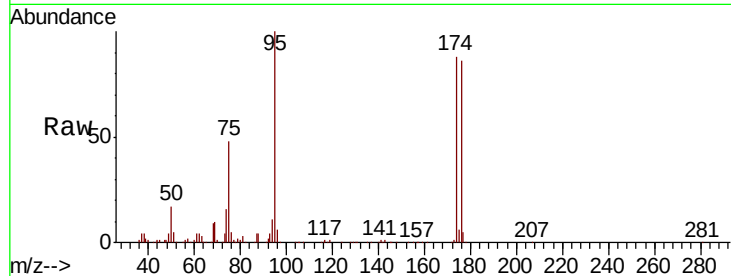
Tot Ion: 95 Resp: 323490

Ion Ratio Lower Upper

95 100

174 88.4 67.9 101.9

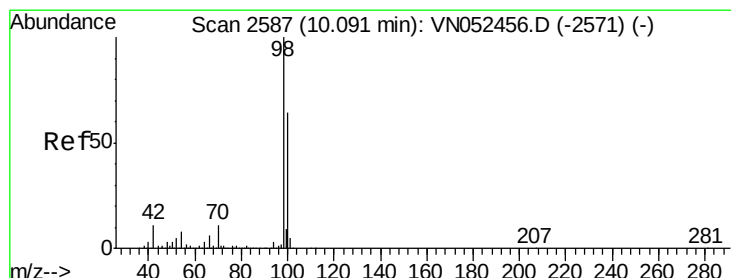
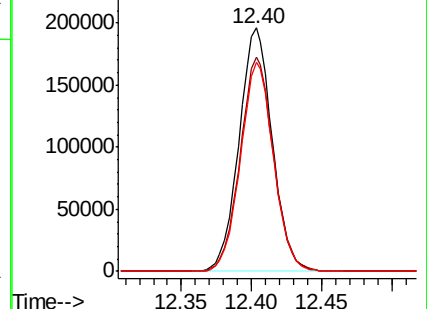
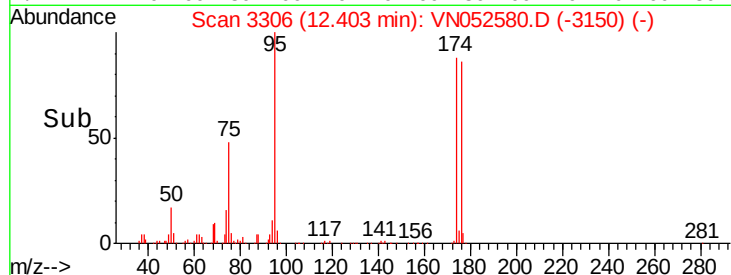
176 85.5 66.4 99.6



Abundance Ion 95.00 (94.70 to 95.70): VN052456.D (-3292) (-)

Ion 174.00 (173.70 to 174.70): VN052456.D (-3292) (-)

Ion 176.00 (175.70 to 176.70): VN052456.D (-3292) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052580.D

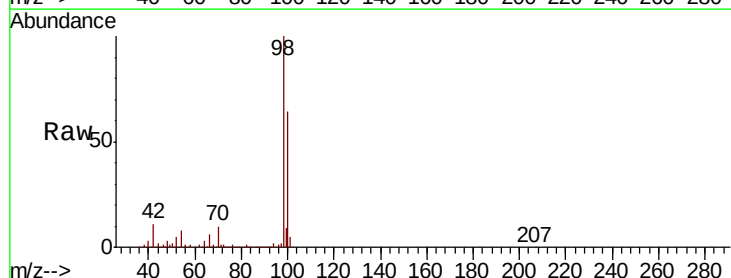
Acq: 29 Nov 2018 22:51

Tgt Ion: 98 Resp: 1143080

Ion Ratio Lower Upper

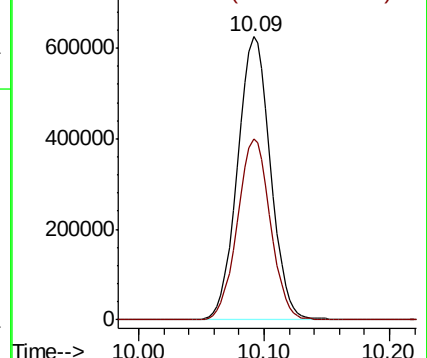
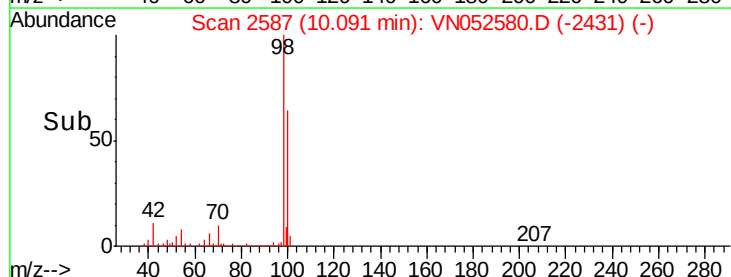
98 100

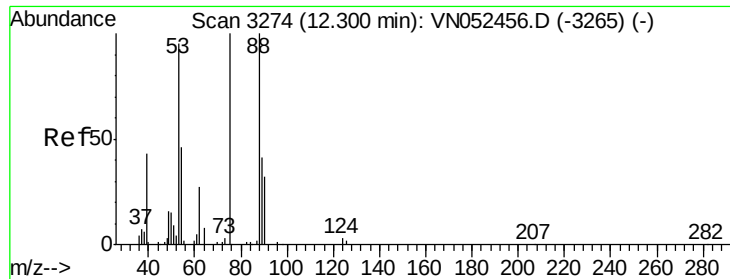
100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN052456.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN052456.D (-2571) (-)





#77
t-1,4-Dichloro-2-butene
Concen: 56.492 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052580.D
Acq: 29 Nov 2018 22:51

Instrument :
MSVOA_N
ClientSampleId :
VN1129WBL02

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.5	145.6#
89	0.0	21.7	65.1#

