

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112918\
 Data File : VN052588.D
 Acq On : 30 Nov 2018 2:23
 Operator : MD\SY
 Sample : J6144-04 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Nov 30 04:04:25 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	166545	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	946200	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	779632	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	343940	30.31	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.03%
60) 4-Bromofluorobenzene	12.40	95	308489	25.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.27%
63) Toluene-d8	10.09	98	1097373	30.36	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.20%

Target Compounds

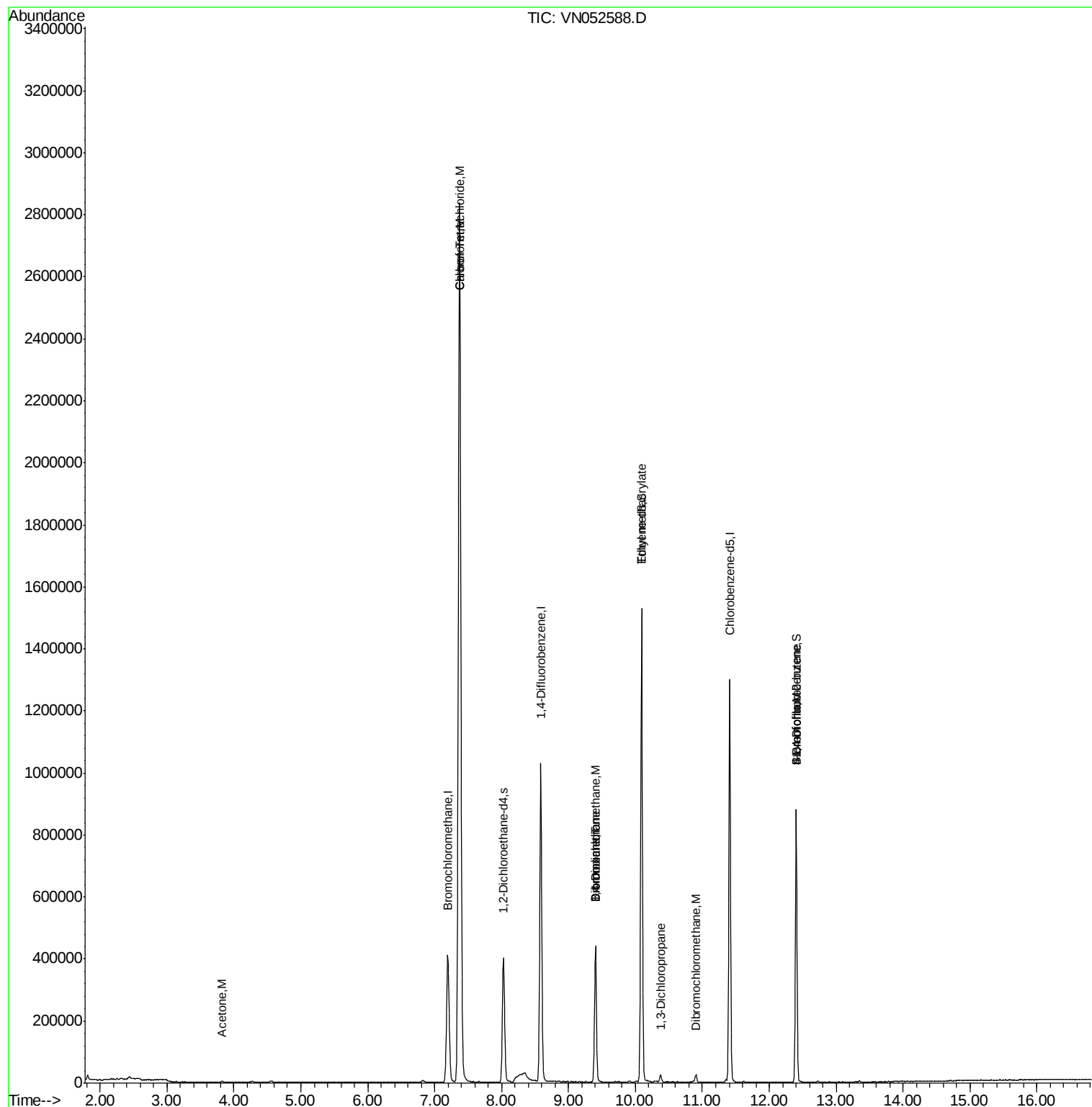
					Ovalue	
15) Acetone	3.84	58	860	0.982	ug/l #	31
25) Chloroform	7.37	83	3085369	163.935	ug/l	99
33) Carbon Tetrachloride	7.37	117	34852	2.649	ug/l	97
40) Dibromomethane	9.40	93	9239	1.468	ug/l #	2
41) Bromodichloromethane	9.40	83	306372	22.036	ug/l	98
45) 1,4-Dioxane	9.40	88	97	1.230	ug/l #	1
51) Ethyl methacrylate	10.10	69	3473	0.310	ug/l	96
52) 1,3-Dichloropropane	10.38	76	4145	0.261	ug/l #	42
53) Dibromochloromethane	10.90	129	14050	1.431	ug/l	97
56) Bromoform	12.40	173	2196	0.342	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	147982	56.290	ug/l #	11

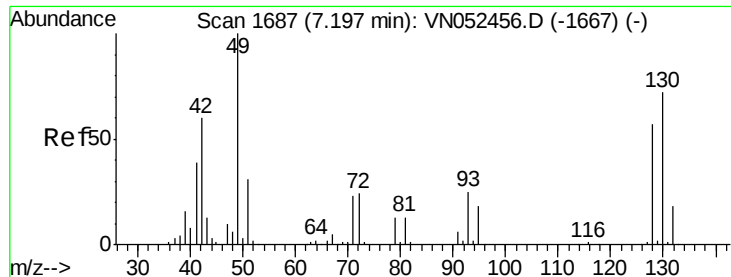
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112918\
Data File : VN052588.D
Acq On : 30 Nov 2018 2:23
Operator : MD\SY
Sample : J6144-04 5X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 40 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Quant Time: Nov 30 04:04:25 2018
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052588.D

Acq: 30 Nov 2018 2:23

Instrument :

MSVOA_N

ClientSampled :

14B-4

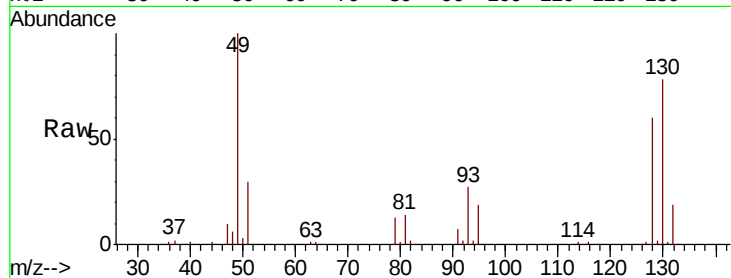
Tot Ion:128 Resp: 166545

Ion Ratio Lower Upper

128 100

49 163.5 0.0 431.8

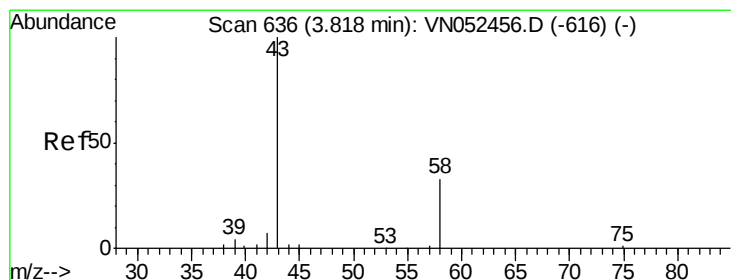
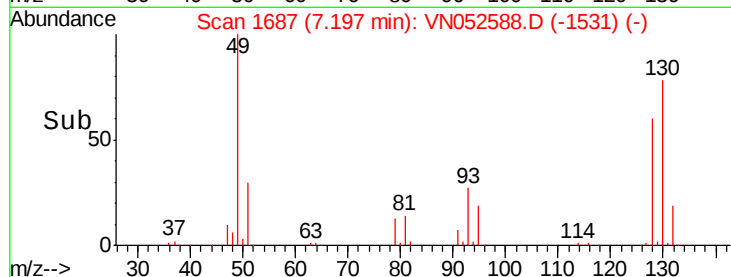
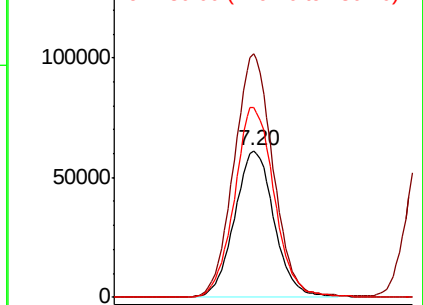
130 130.7 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#15

Acetone

Concen: 0.982 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN052588.D

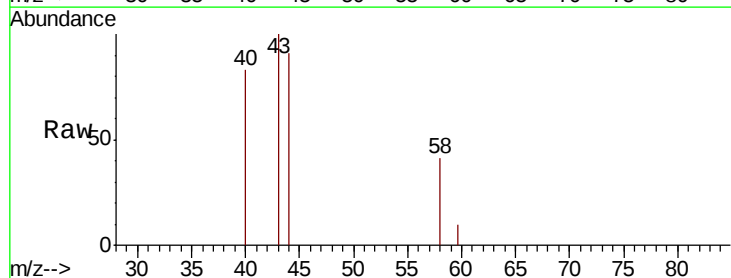
Acq: 30 Nov 2018 2:23

Tgt Ion: 58 Resp: 860

Ion Ratio Lower Upper

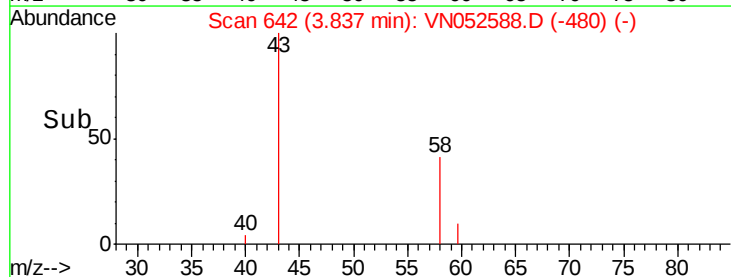
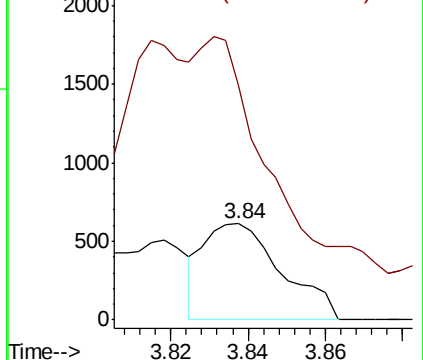
58 100

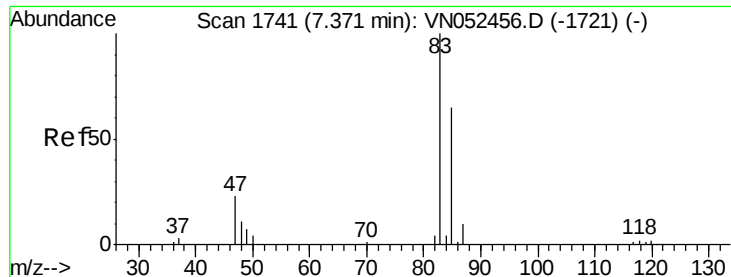
43 168.0 243.6 365.4#



Abundance Ion 58.00 (57.70 to 58.70): VN

Ion 43.00 (42.70 to 43.70): VN

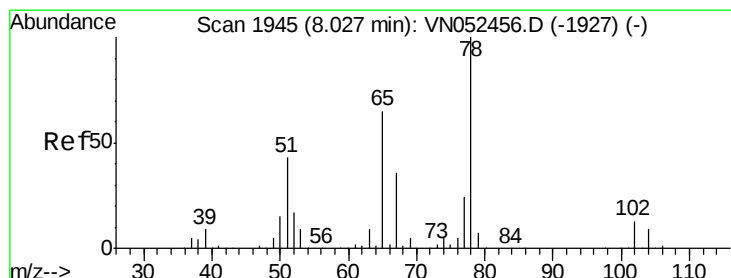
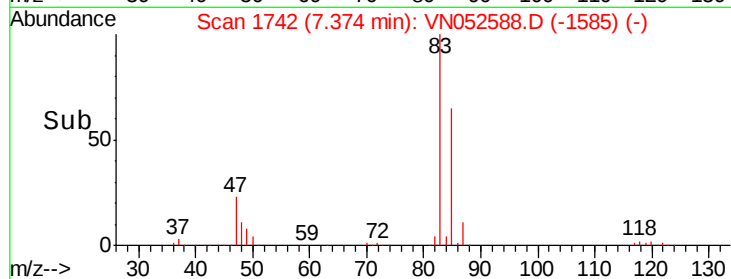
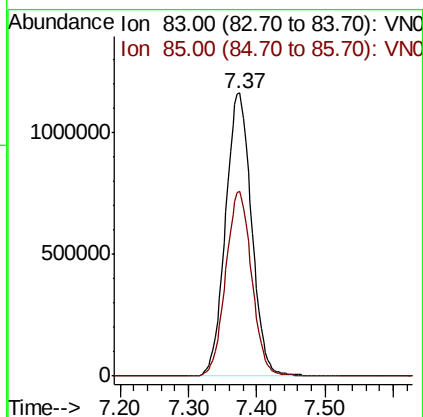
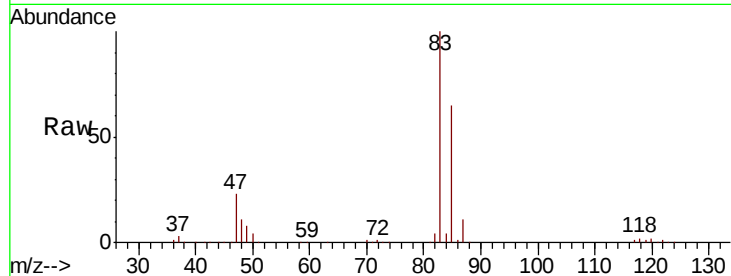




#25
Chloroform
Concen: 163.935 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052588.D
Acq: 30 Nov 2018 2:23

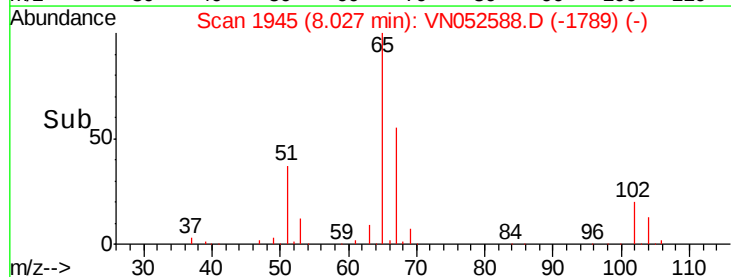
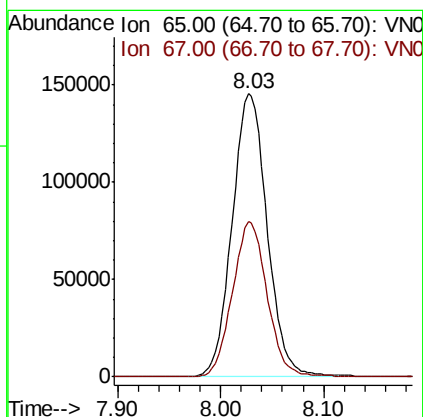
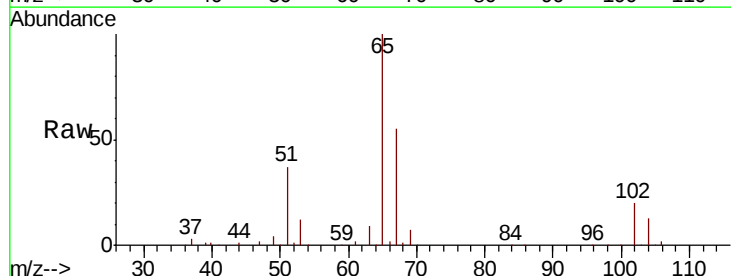
Instrument :
MSVOA_N
ClientSampled :
14B-4

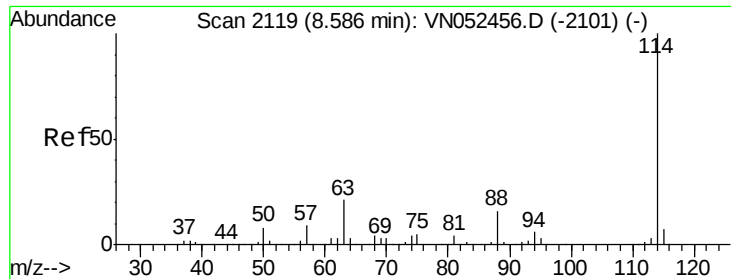
Tot Ion: 83 Resp: 3085369
Ion Ratio Lower Upper
83 100
85 65.4 51.7 77.5



#27
1,2-Dichloroethane-d4
Concen: N.D. ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052588.D
Acq: 30 Nov 2018 2:23

Tgt Ion: 65 Resp: 343940
Ion Ratio Lower Upper
65 100
67 54.2 44.6 66.8

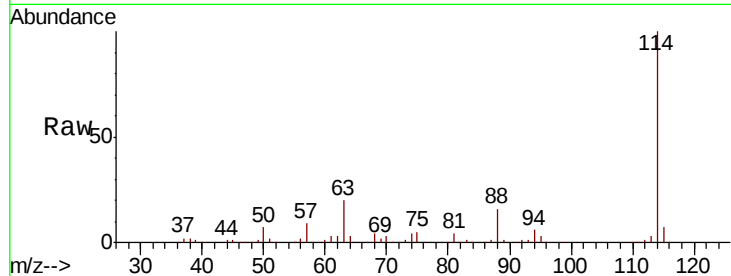




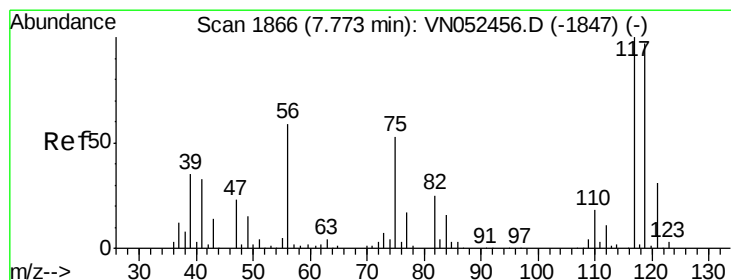
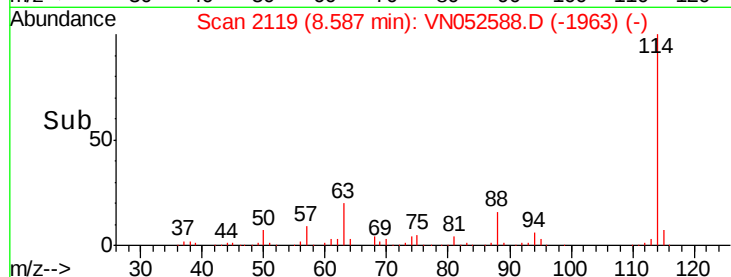
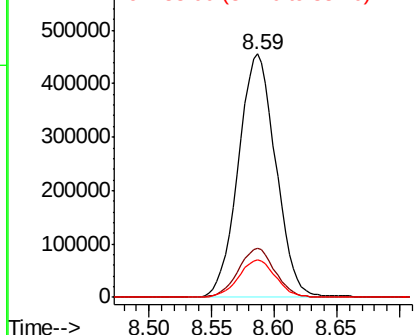
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052588.D
Acq: 30 Nov 2018 2:23

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tot Ion:114 Resp: 946200
Ion Ratio Lower Upper
114 100
63 19.9 16.9 25.3
88 15.3 12.8 19.2

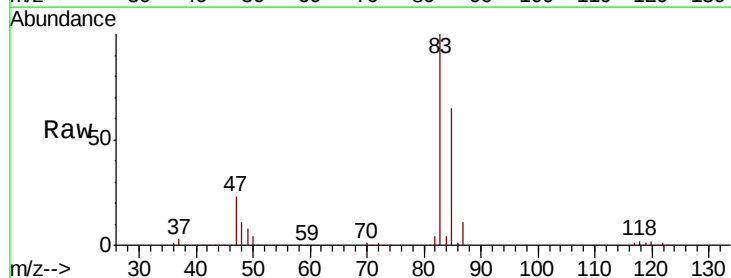


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VN
Ion 88.00 (87.70 to 88.70): VN

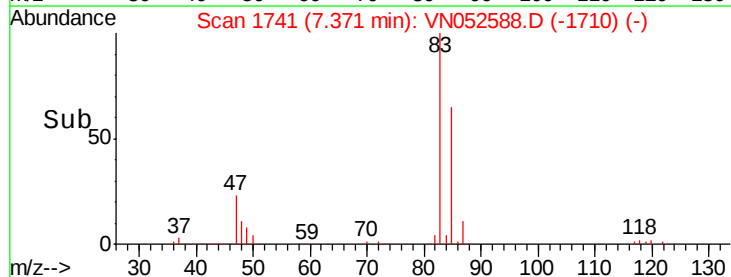
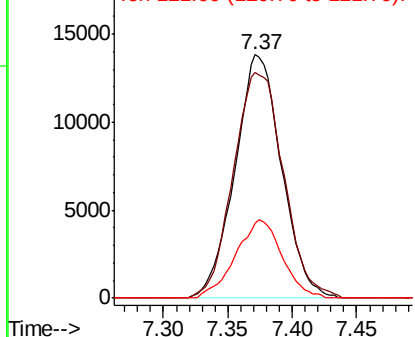


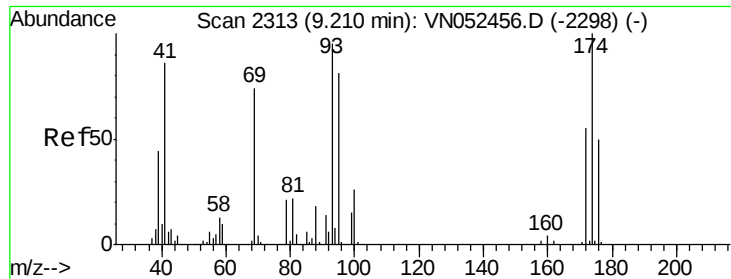
#33
Carbon Tetrachloride
Concen: 2.649 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.40 min
Lab File: VN052588.D
Acq: 30 Nov 2018 2:23

Tgt Ion:117 Resp: 34852
Ion Ratio Lower Upper
117 100
119 92.9 77.3 115.9
121 30.9 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





#40

Dibromomethane

Concen: 1.468 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.19 min

Lab File: VN052588.D

Acq: 30 Nov 2018 2:23

Instrument :

MSVOA_N

ClientSampleId :

14B-4

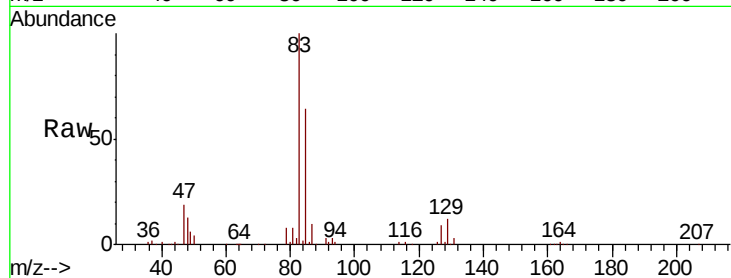
Tot Ion: 93 Resp: 9239

Ion Ratio Lower Upper

93 100

95 0.0 0.0 168.4

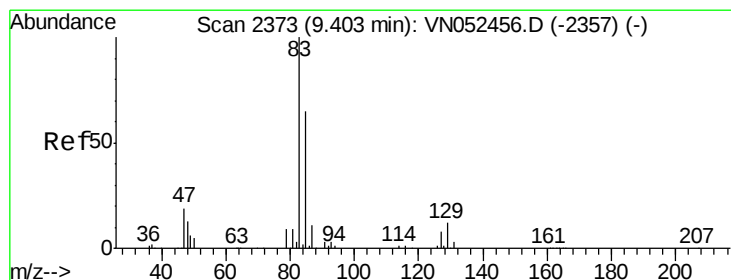
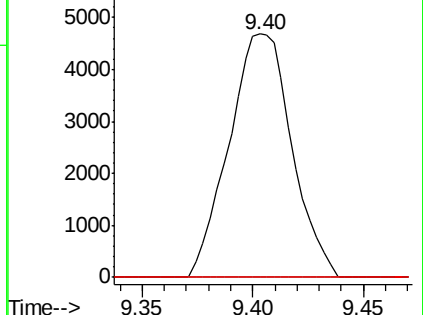
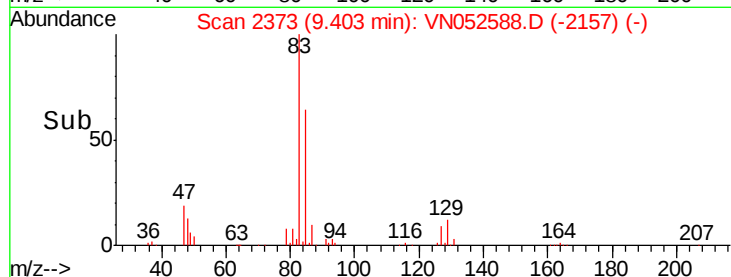
174 0.0 0.0 210.0



Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V



#41

Bromodichloromethane

Concen: 22.036 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052588.D

Acq: 30 Nov 2018 2:23

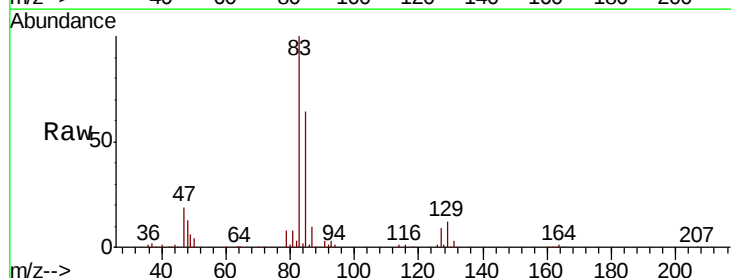
Tgt Ion: 83 Resp: 306372

Ion Ratio Lower Upper

83 100

85 63.8 52.4 78.6

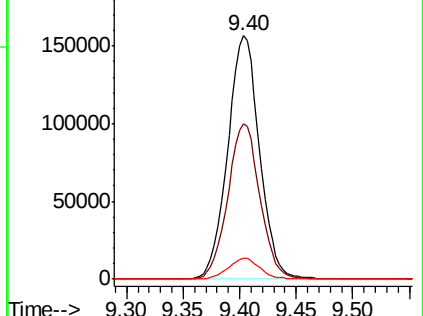
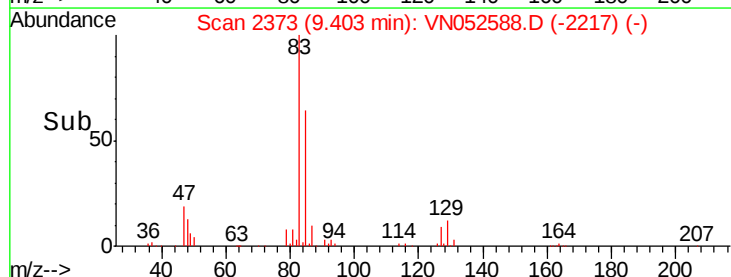
127 8.8 6.6 9.8

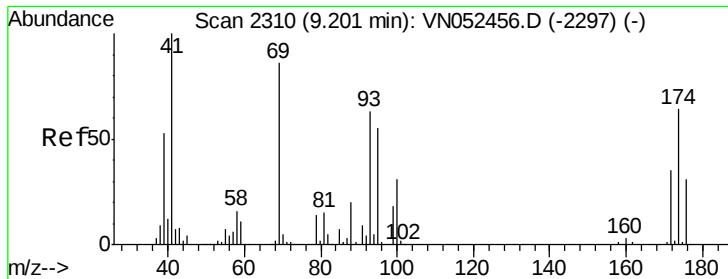


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0

Ion 127.00 (126.70 to 127.70): V

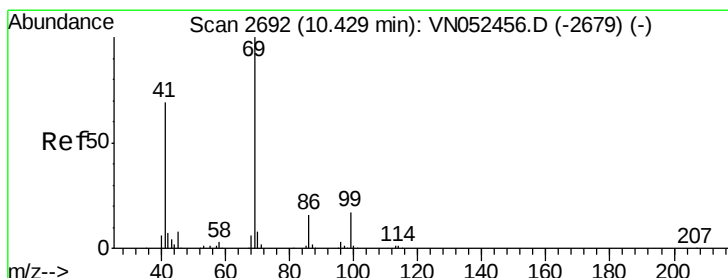
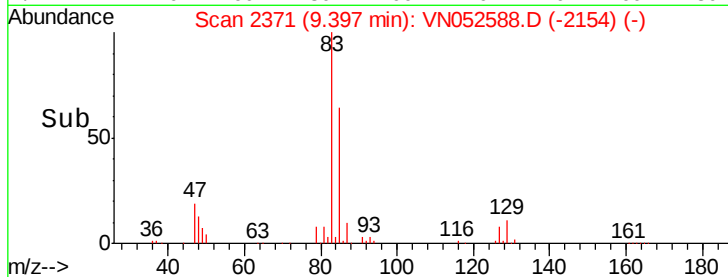
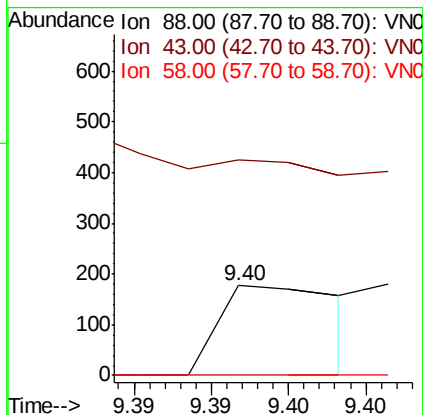
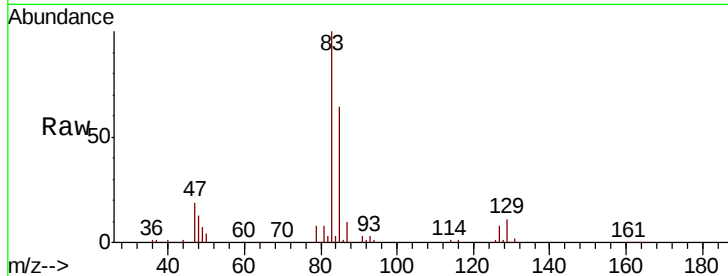




#45
 1,4-Dioxane
 Concen: 1.230 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. 0.20 min
 Lab File: VN052588.D
 Acq: 30 Nov 2018 2:23

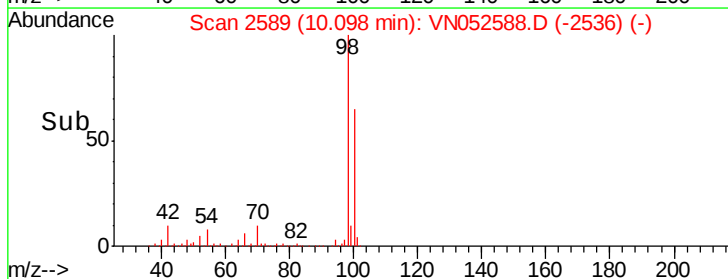
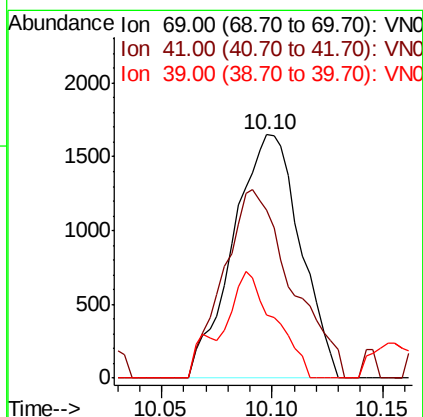
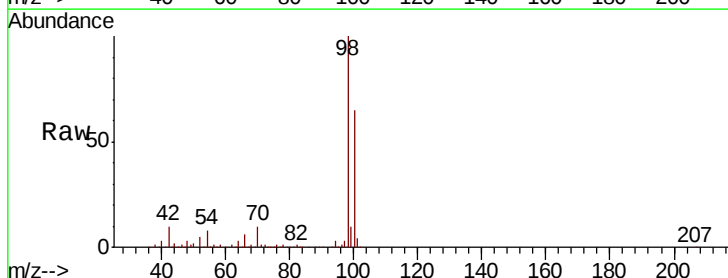
Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

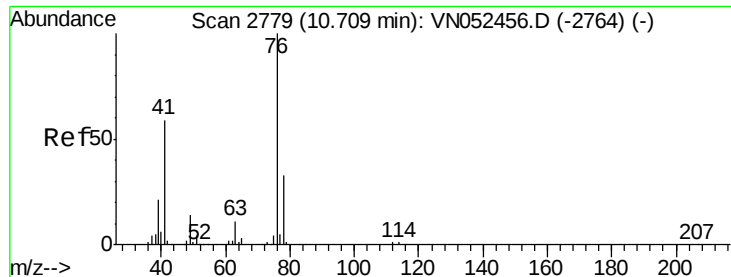
Tot Ion: 88 Resp: 97
 Ion Ratio Lower Upper
 88 100
 43 114.4 29.5 44.3#
 58 0.0 61.5 92.3#



#51
 Ethyl methacrylate
 Concen: 0.310 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.33 min
 Lab File: VN052588.D
 Acq: 30 Nov 2018 2:23

Tgt Ion: 69 Resp: 3473
 Ion Ratio Lower Upper
 69 100
 41 69.0 34.4 103.3
 39 26.2 16.4 49.2





#52

1,3-Dichloropropane

Concen: 0.261 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.33 min

Lab File: VN052588.D

Acq: 30 Nov 2018 2:23

Instrument :

MSVOA_N

ClientSampled :

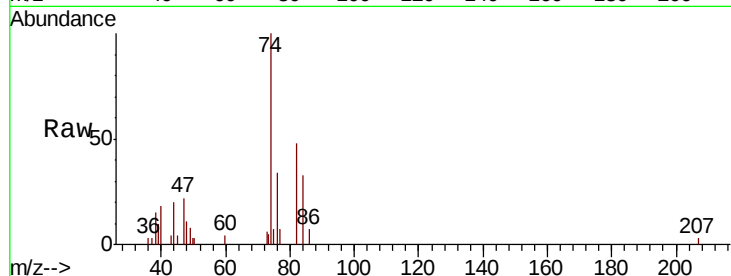
14B-4

Tot Ion: 76 Resp: 4145

Ion Ratio Lower Upper

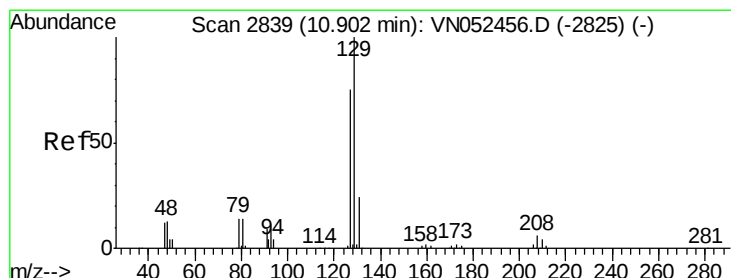
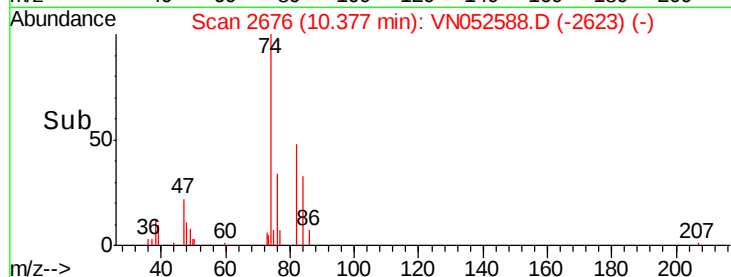
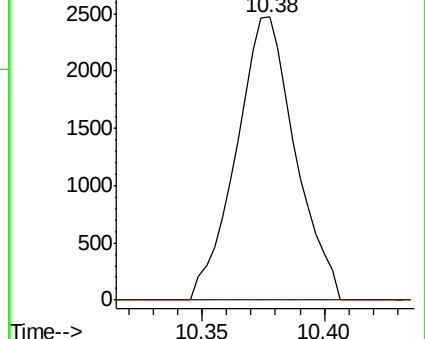
76 100

78 0.0 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN052456.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN052456.D (-2764) (-)



#53

Dibromochloromethane

Concen: 1.431 ug/l

RT: 10.90 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VN052588.D

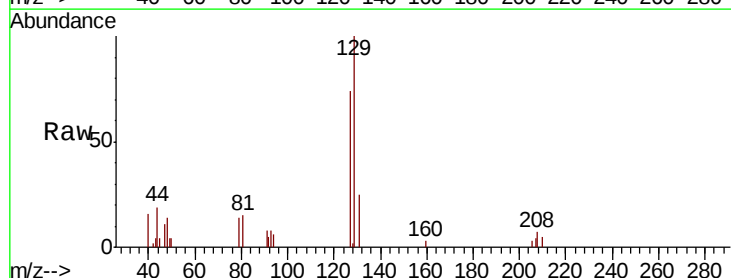
Acq: 30 Nov 2018 2:23

Tgt Ion: 129 Resp: 14050

Ion Ratio Lower Upper

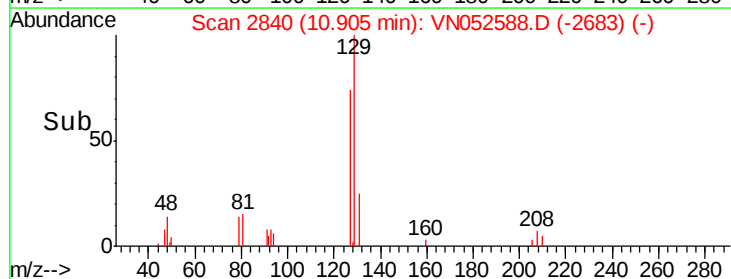
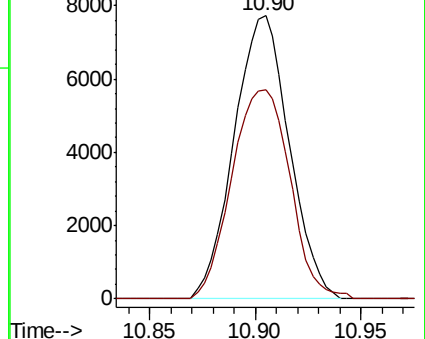
129 100

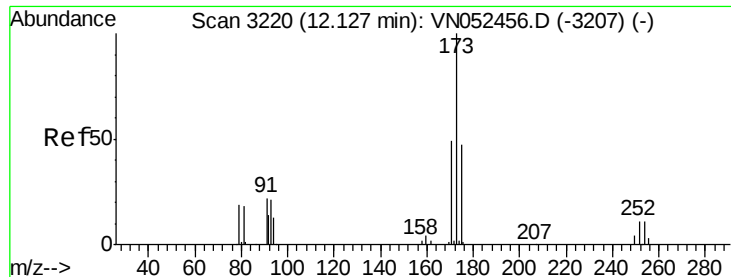
127 78.0 37.6 112.8



Abundance Ion 129.00 (128.70 to 129.70): VN052456.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN052456.D (-2825) (-)

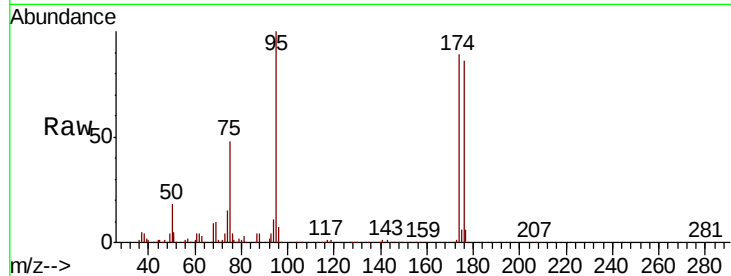




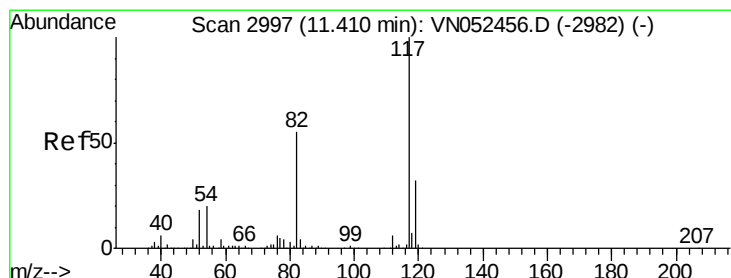
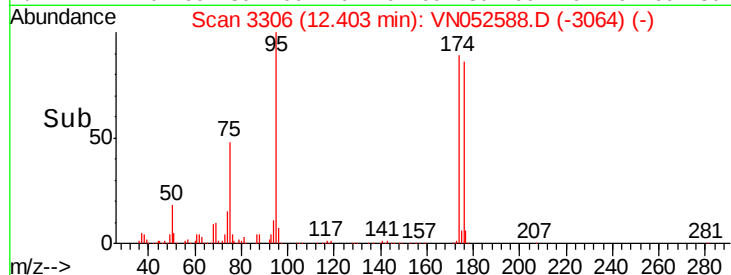
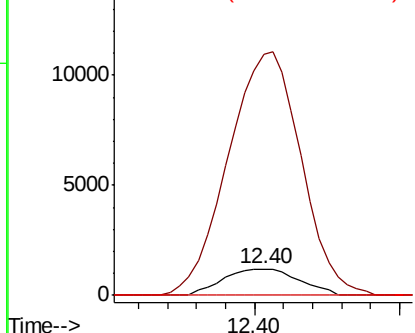
#56
Bromoform
Concen: 0.342 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052588.D
Acq: 30 Nov 2018 2:23

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tot Ion:173 Resp: 2196
Ion Ratio Lower Upper
173 100
175 877.8 38.7 58.1#
254 0.0 8.4 12.6#

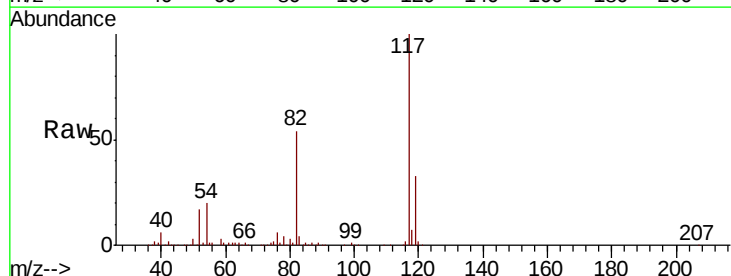


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

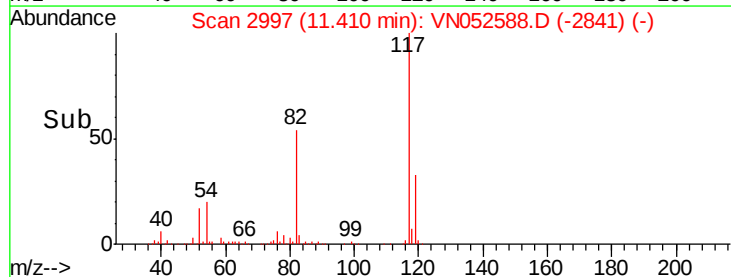
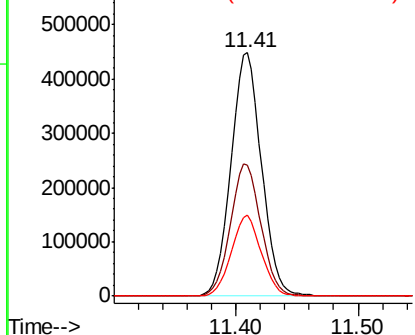


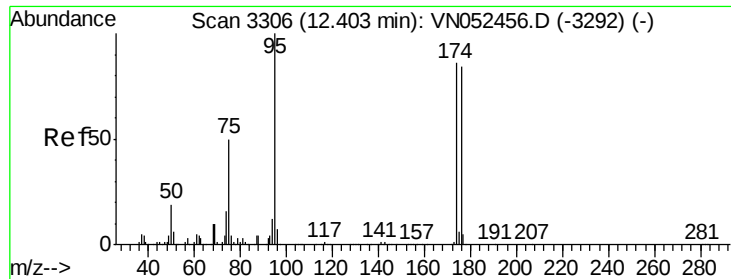
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052588.D
Acq: 30 Nov 2018 2:23

Tgt Ion:117 Resp: 779632
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.7 25.4 38.2



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
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: VN052588.D

Acq: 30 Nov 2018 2:23

Instrument :

MSVOA_N

ClientSampled :

14B-4

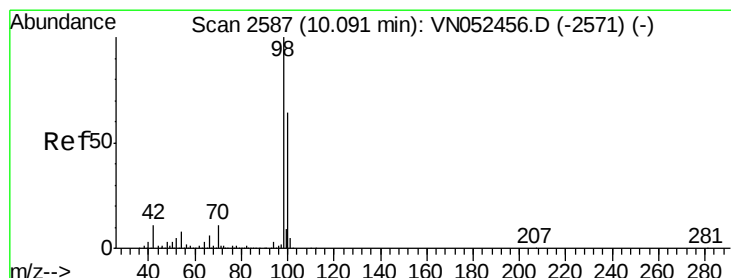
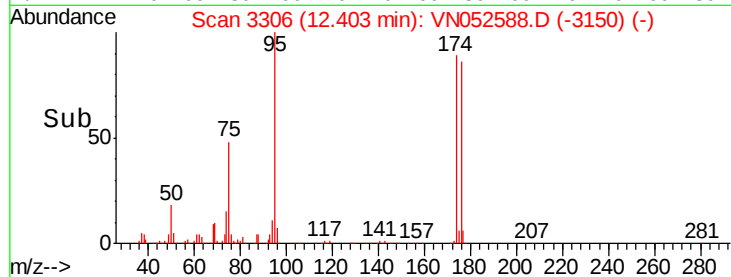
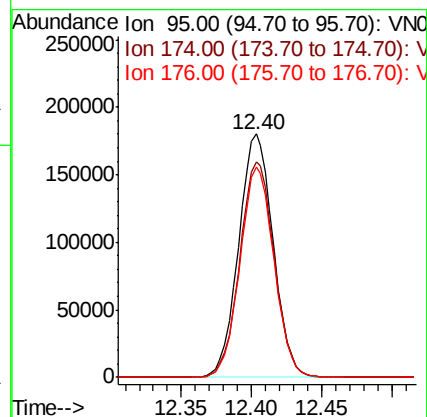
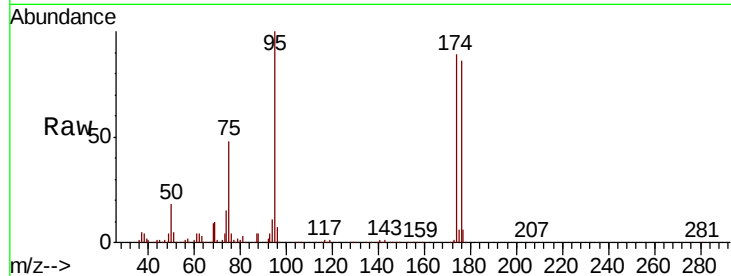
Tot Ion: 95 Resp: 308489

Ion Ratio Lower Upper

95 100

174 88.6 67.9 101.9

176 85.3 66.4 99.6



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052588.D

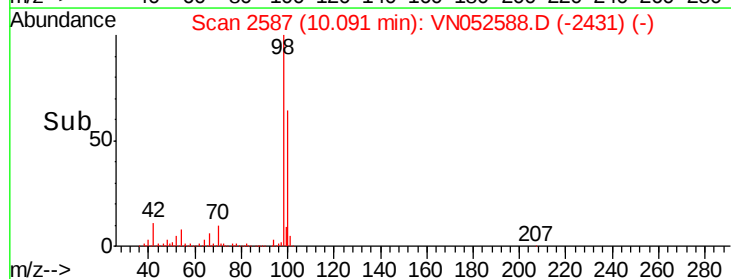
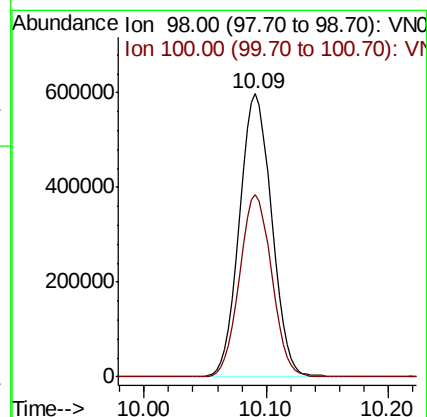
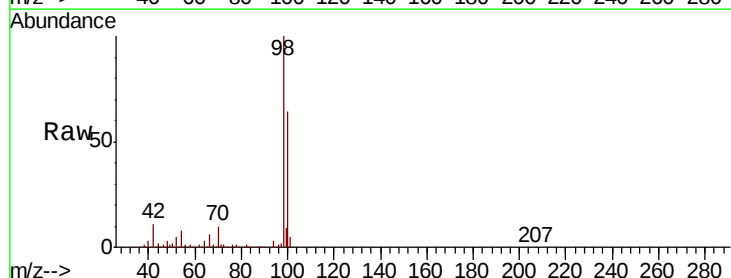
Acq: 30 Nov 2018 2:23

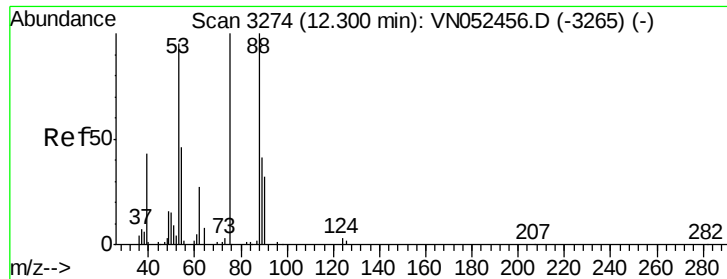
Tgt Ion: 98 Resp: 1097373

Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

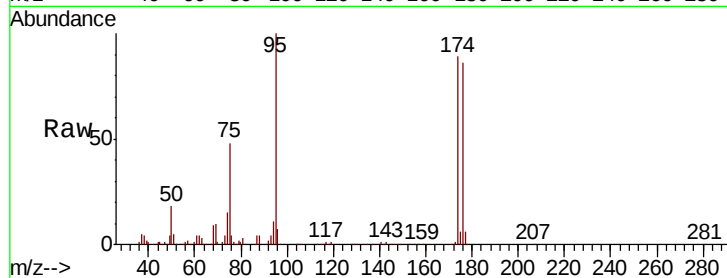




#77
t-1,4-Dichloro-2-butene
Concen: 56.290 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052588.D
Acq: 30 Nov 2018 2:23

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tot Ion: 75 Resp: 147982
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#



Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 89.00 (88.70 to 89.70): VNO

