

Data File : VN054982.D
Acq On : 11 Apr 2019 17:38
Operator : JC/SP
Sample : VN0411WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0411WBL01

Quant Time: Apr 12 08:00:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	73322	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	400579	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	321750	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	170277	30.47	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.57%
60) 4-Bromofluorobenzene	12.40	95	114275	22.81	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.03%
63) Toluene-d8	10.09	98	481466	31.47	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	104.90%

Target Compounds

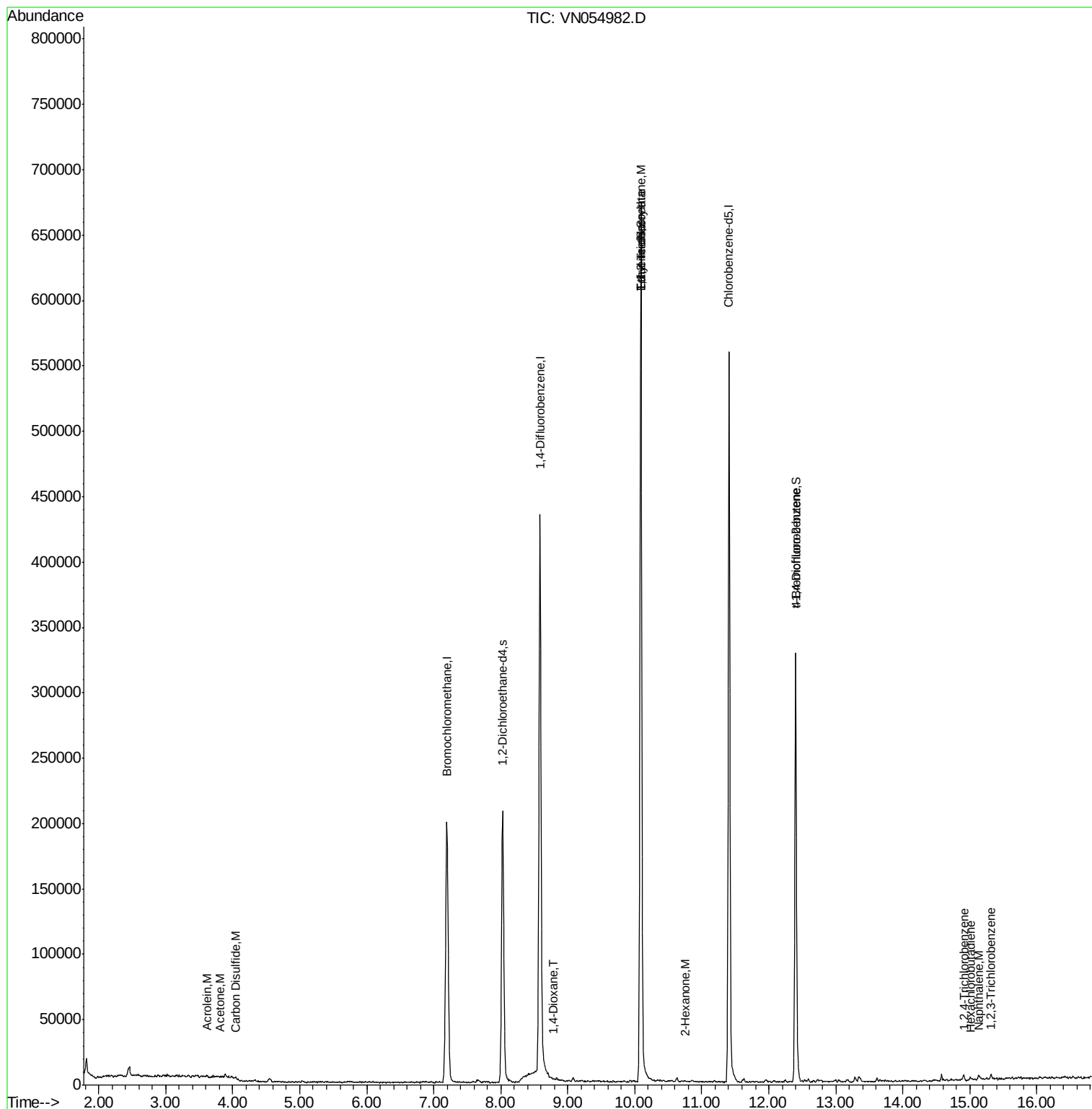
					Qvalue	
13) Acrolein	3.61	56	655	1.868	ug/l #	73
15) Acetone	3.81	58	142	0.350	ug/l #	1
16) Carbon Disulfide	4.04	76	3903	0.358	ug/l #	91
45) 1,4-Dioxane	8.79	88	62	1.565	ug/l #	1
50) 1,1,2-Trichloroethane	10.10	97	14750	3.764	ug/l #	1
51) Ethyl methacrylate	10.09	69	1226	0.262	ug/l	94
59) 2-Hexanone	10.75	43	475	0.202	ug/l #	70
77) t-1,4-Dichloro-2-butene	12.40	75	58495	65.825	ug/l #	1
89) 1,2,4-Trichlorobenzene	14.91	180	1694	0.524	ug/l #	48
90) Hexachlorobutadiene	15.01	225	533	0.226	ug/l	70
91) Naphthalene	15.13	128	2916	0.431	ug/l #	87
92) 1,2,3-Trichlorobenzene	15.31	180	1571	0.486	ug/l	79

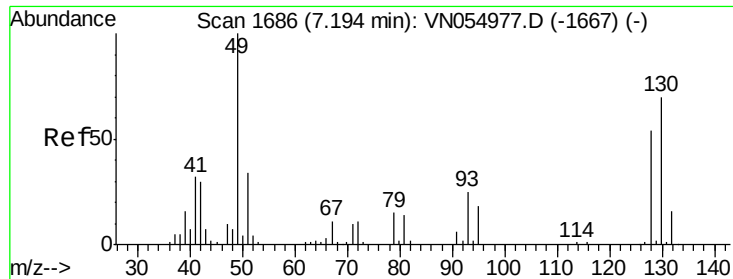
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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Quant Time: Apr 12 08:00:22 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N041119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Apr 12 07:55:25 2019
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: VN054982.D

Acq: 11 Apr 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

VN0411WBL01

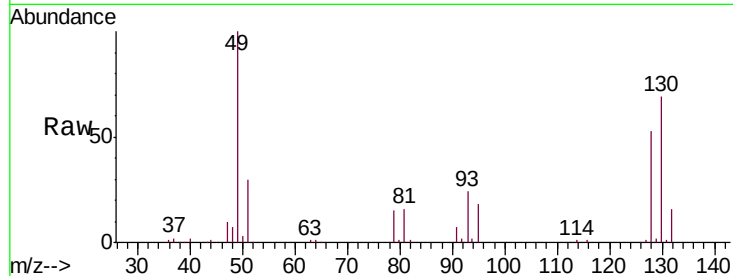
Tgt Ion:128 Resp: 73322

Ion Ratio Lower Upper

128 100

49 190.4 0.0 480.3

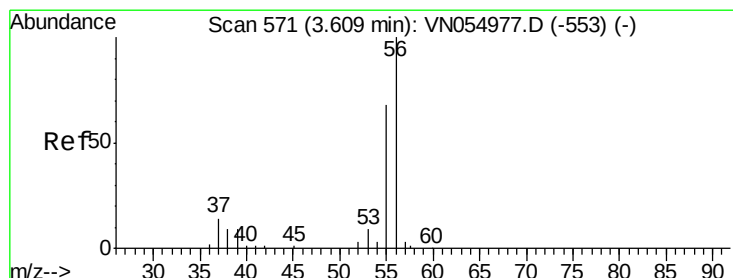
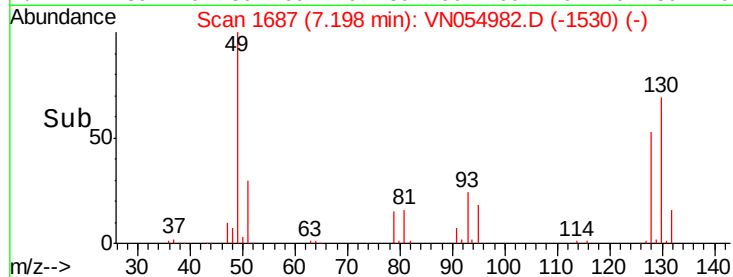
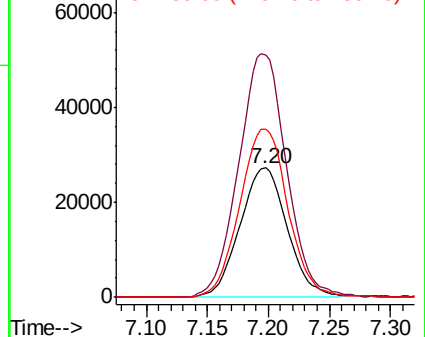
130 132.2 0.0 322.2



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



#13

Acrolein

Concen: 1.868 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054982.D

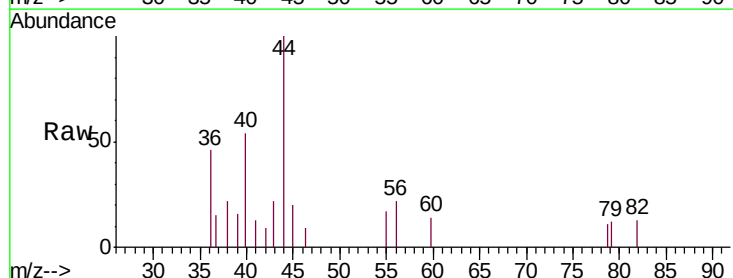
Acq: 11 Apr 2019 17:38

Tgt Ion: 56 Resp: 655

Ion Ratio Lower Upper

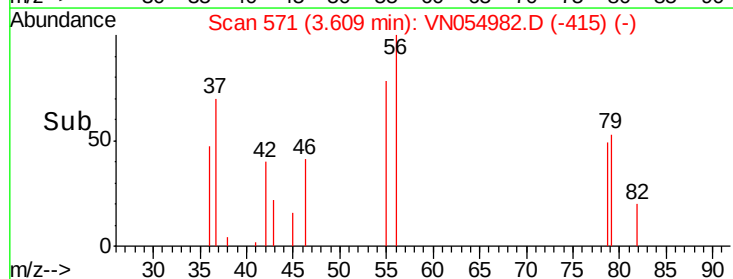
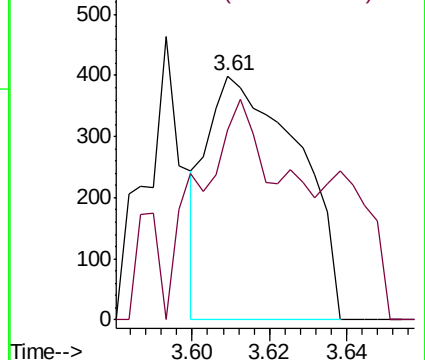
56 100

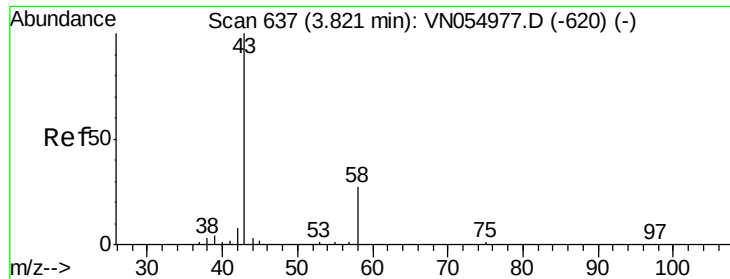
55 48.9 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#15

Acetone

Concen: 0.350 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.01 min

Lab File: VN054982.D

Acq: 11 Apr 2019 17:38

Instrument :

MSVOA_N

ClientSampled :

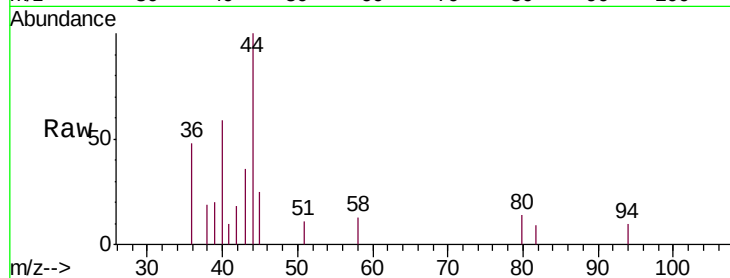
VN0411WBL01

Tgt Ion: 58 Resp: 142

Ion Ratio Lower Upper

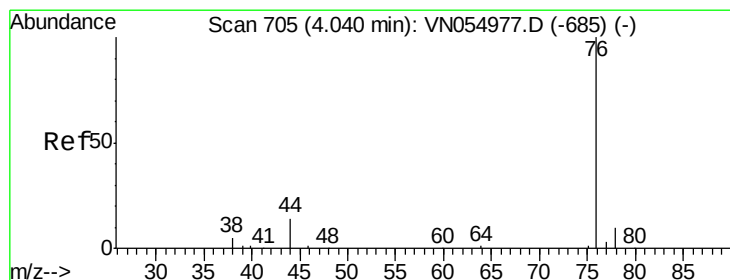
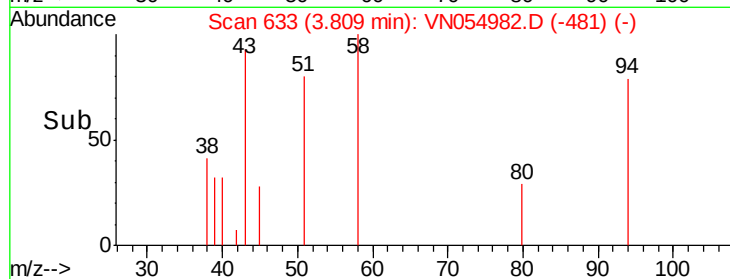
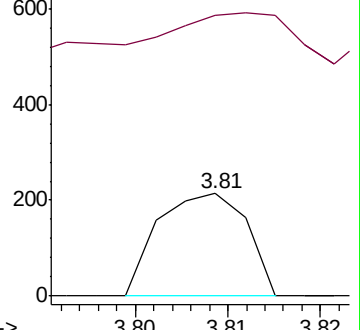
58 100

43 28.5 297.2 445.8#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 0.358 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN054982.D

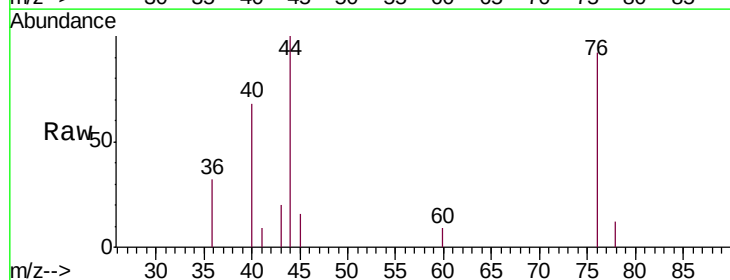
Acq: 11 Apr 2019 17:38

Tgt Ion: 76 Resp: 3903

Ion Ratio Lower Upper

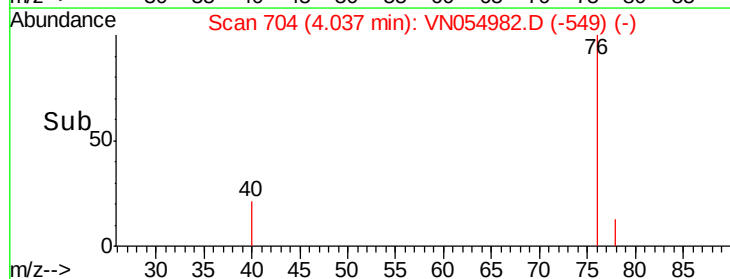
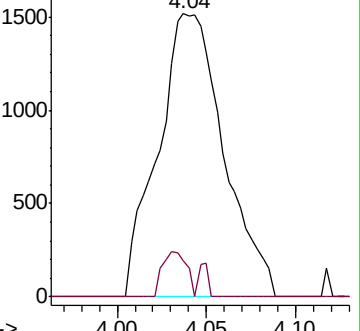
76 100

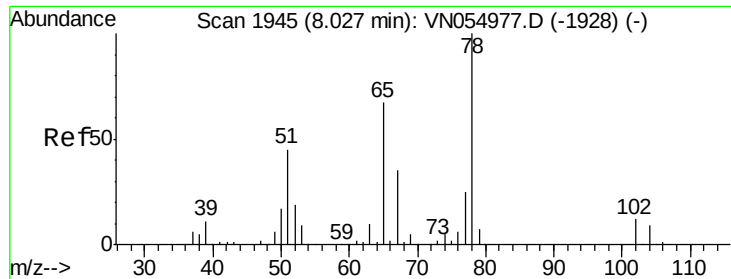
78 12.9 7.8 11.6#



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

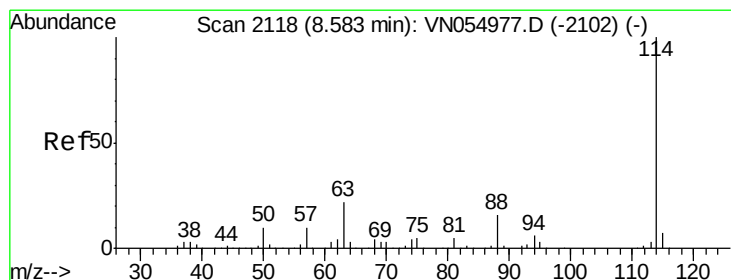
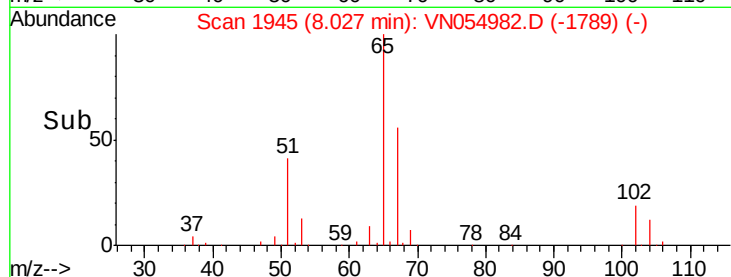
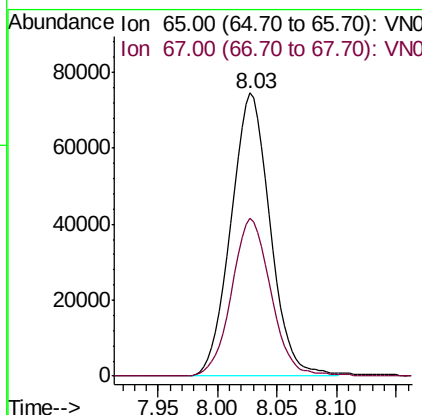
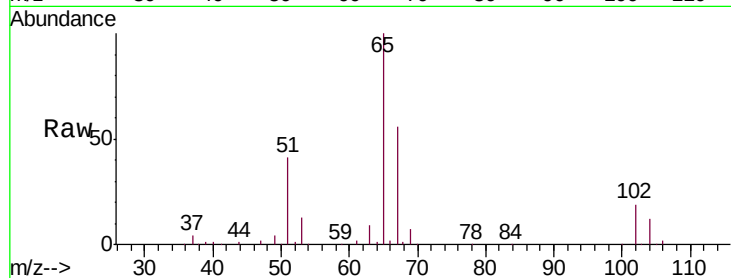




#27
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054982.D
 Acq: 11 Apr 2019 17:38

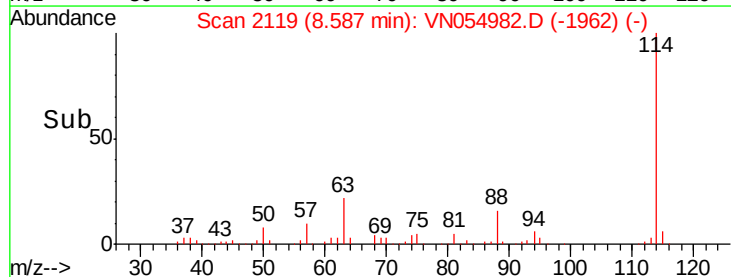
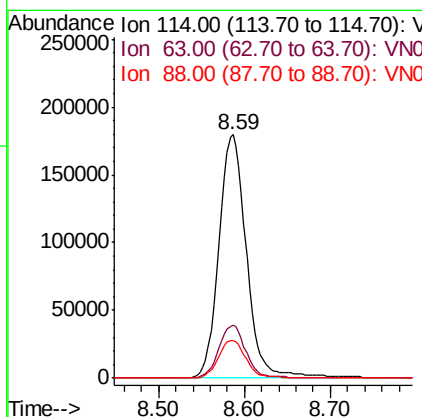
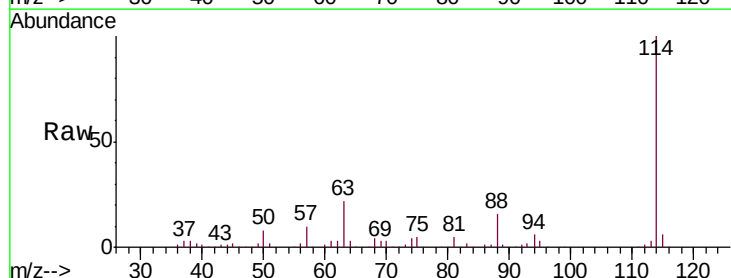
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBL01

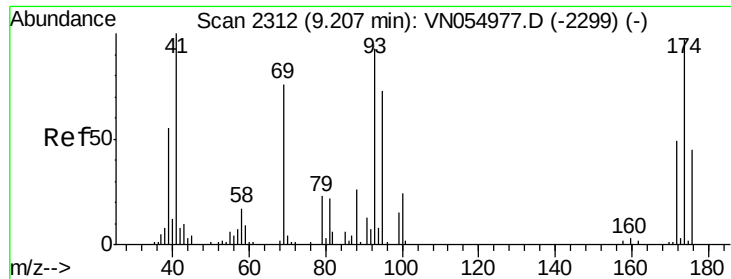
Tgt Ion: 65 Resp: 170277
 Ion Ratio Lower Upper
 65 100
 67 55.3 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054982.D
 Acq: 11 Apr 2019 17:38

Tgt Ion: 114 Resp: 400579
 Ion Ratio Lower Upper
 114 100
 63 21.4 17.0 25.4
 88 15.8 12.3 18.5

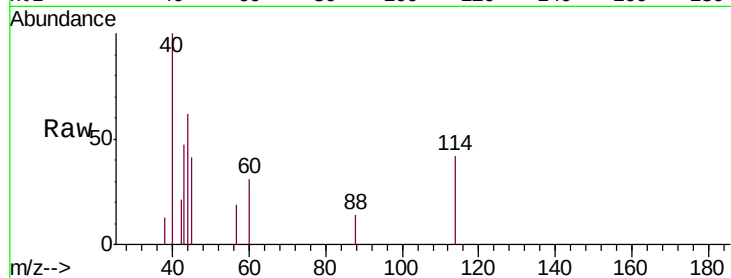




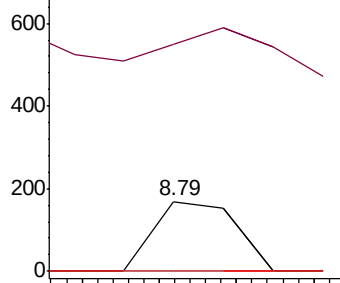
#45
 1,4-Dioxane
 Concen: 1.565 ug/l
 RT: 8.79 min Scan# 2181
 Delta R.T. -0.42 min
 Lab File: VN054982.D
 Acq: 11 Apr 2019 17:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0411WBL01

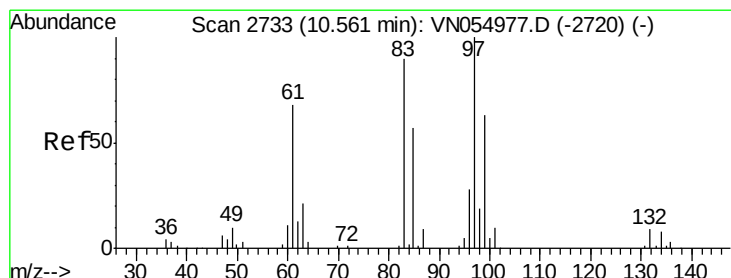
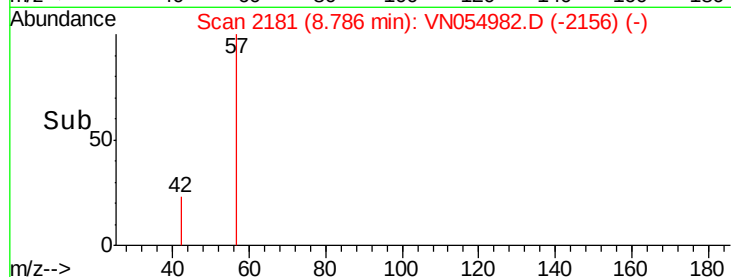
Tgt Ion: 88 Resp: 62
 Ion Ratio Lower Upper
 88 100
 43 358.1 34.5 51.7#
 58 0.0 60.3 90.5#



Abundance Ion 88.00 (87.70 to 88.70): VNO
 Ion 43.00 (42.70 to 43.70): VNO
 Ion 58.00 (57.70 to 58.70): VNO

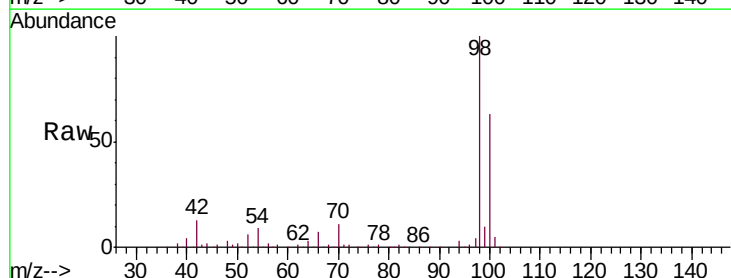


Time-->

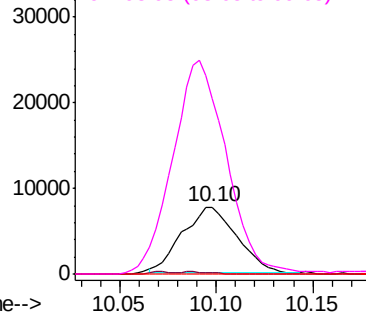


#50
 1,1,2-Trichloroethane
 Concen: 3.764 ug/l
 RT: 10.10 min Scan# 2589
 Delta R.T. -0.46 min
 Lab File: VN054982.D
 Acq: 11 Apr 2019 17:38

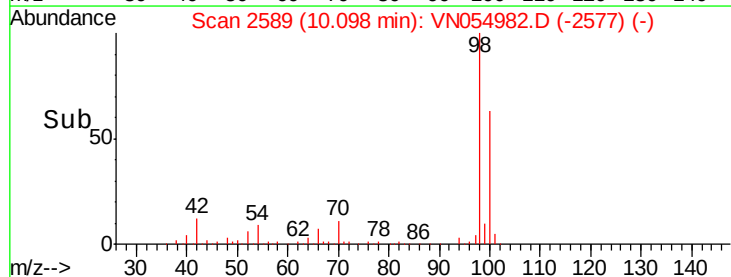
Tgt Ion: 97 Resp: 14750
 Ion Ratio Lower Upper
 97 100
 83 2.6 72.1 108.1#
 85 0.0 45.4 68.0#
 99 266.1 50.6 75.8#

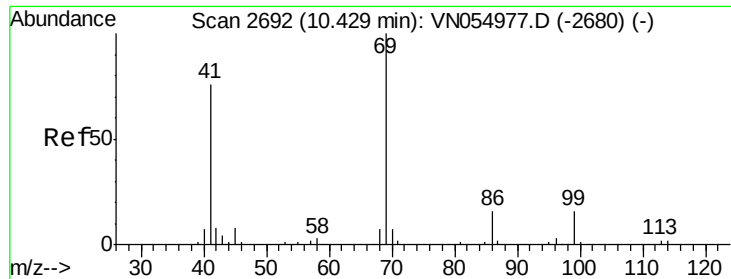


Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO



Time-->





#51

Ethyl methacrylate

Concen: 0.262 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.34 min

Lab File: VN054982.D

Acq: 11 Apr 2019 17:38

Instrument :

MSVOA_N

ClientSampled :

VN0411WBL01

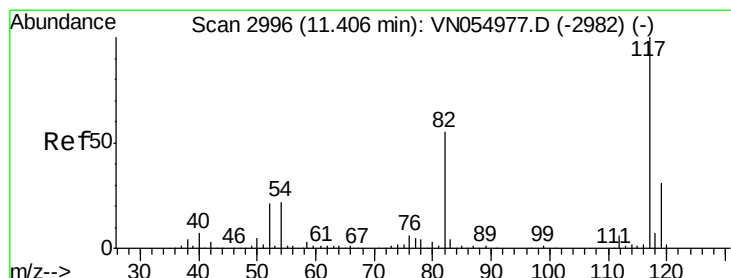
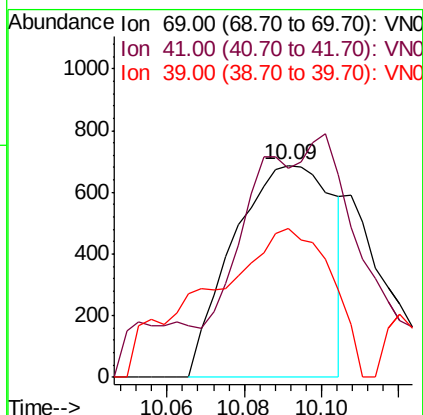
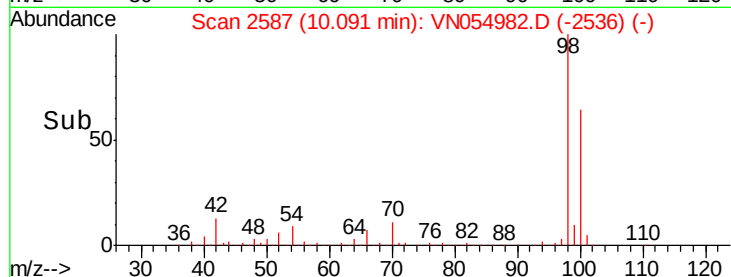
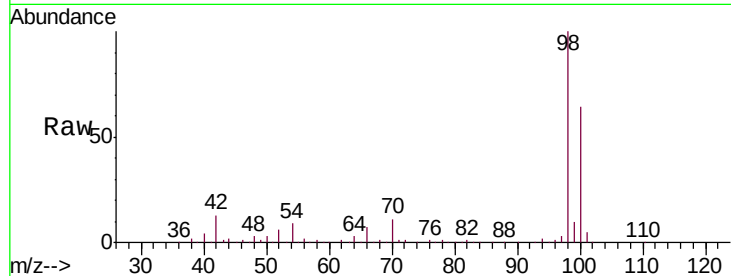
Tgt Ion: 69 Resp: 1226

Ion Ratio Lower Upper

69 100

41 74.5 37.9 113.7

39 30.9 19.8 59.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054982.D

Acq: 11 Apr 2019 17:38

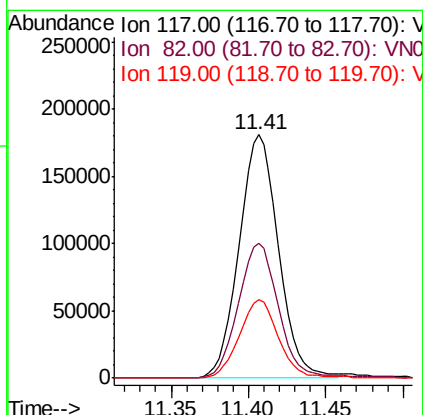
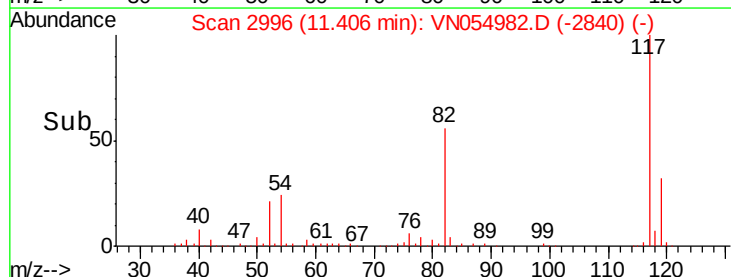
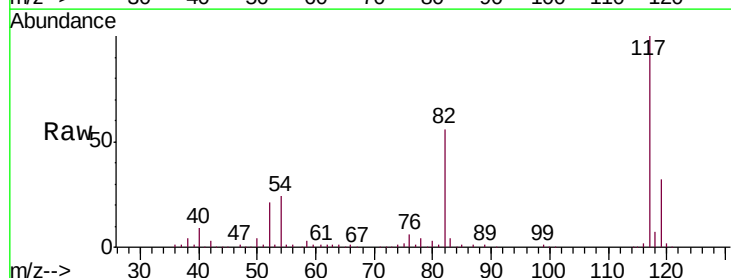
Tgt Ion: 117 Resp: 321750

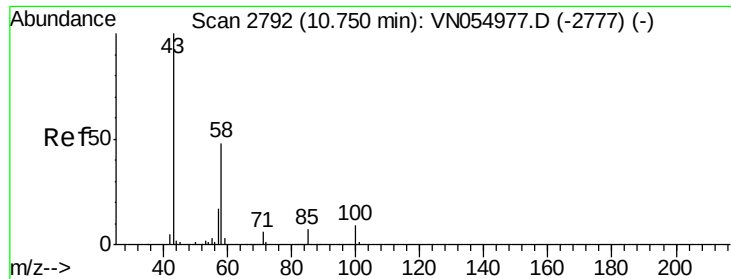
Ion Ratio Lower Upper

117 100

82 55.5 45.2 67.8

119 32.1 25.4 38.2

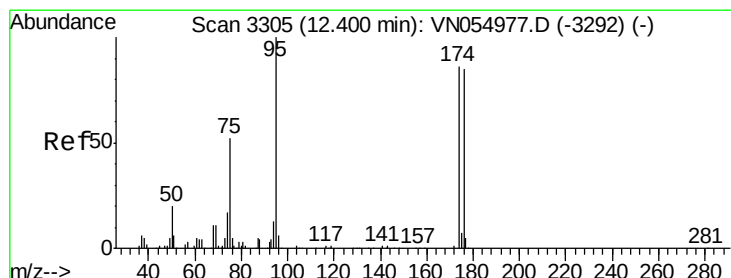
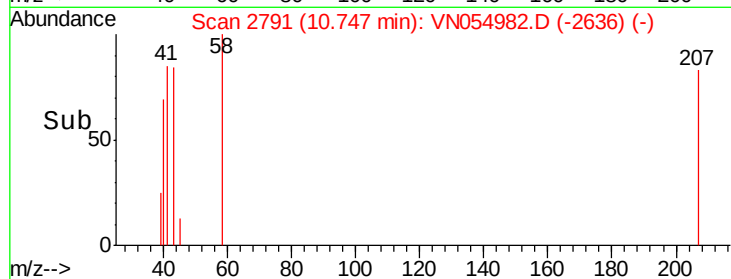
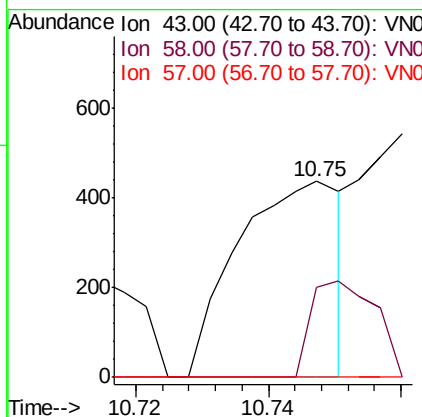
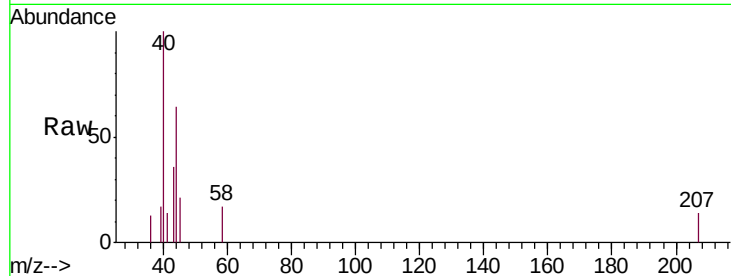




#59
2-Hexanone
Concen: 0.202 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN054982.D
Acq: 11 Apr 2019 17:38

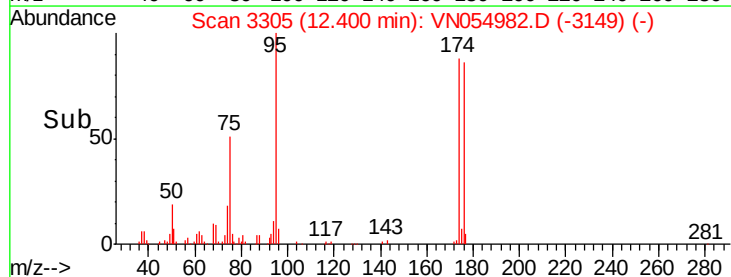
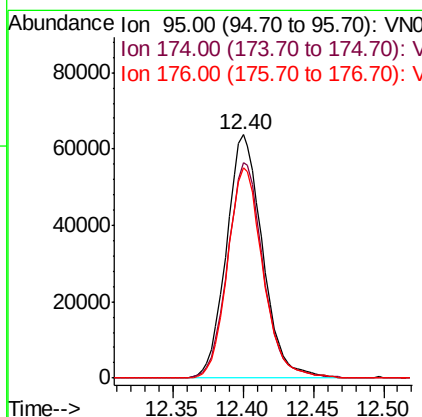
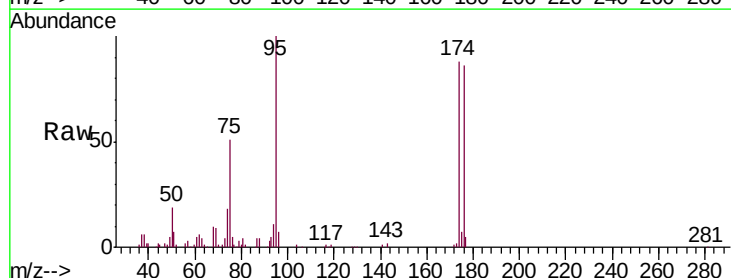
Instrument :
MSVOA_N
ClientSampleId :
VN0411WBL01

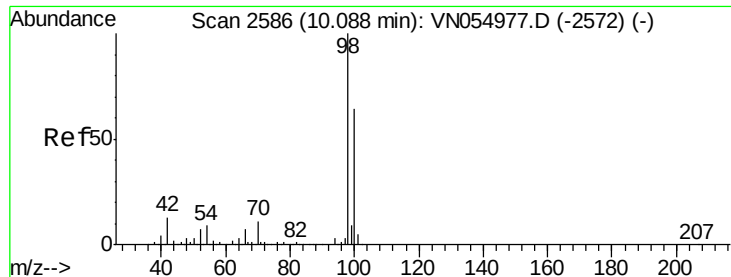
Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
58 30.7 38.8 58.2#
57 0.0 13.8 20.6#



#60
4-Bromofluorobenzene
Concen: 0.202 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054982.D
Acq: 11 Apr 2019 17:38

Tgt Ion: 95 Resp: 114275
Ion Ratio Lower Upper
95 100
174 87.2 69.4 104.2
176 84.6 67.4 101.2





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054982.D

Acq: 11 Apr 2019 17:38

Instrument :

MSVOA_N

ClientSampleId :

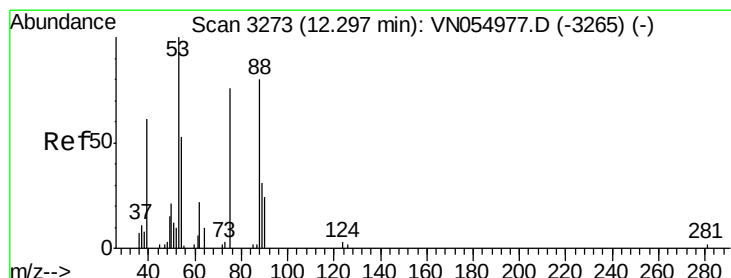
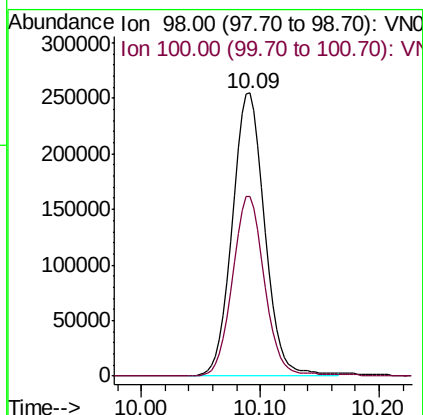
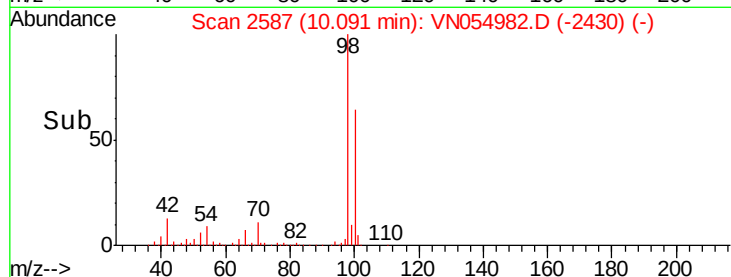
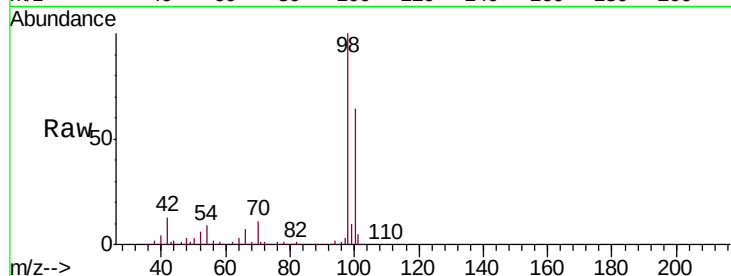
VN0411WBL01

Tgt Ion: 98 Resp: 481466

Ion Ratio Lower Upper

98 100

100 63.2 51.1 76.7



#77

t-1,4-Dichloro-2-butene

Concen: 65.825 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054982.D

Acq: 11 Apr 2019 17:38

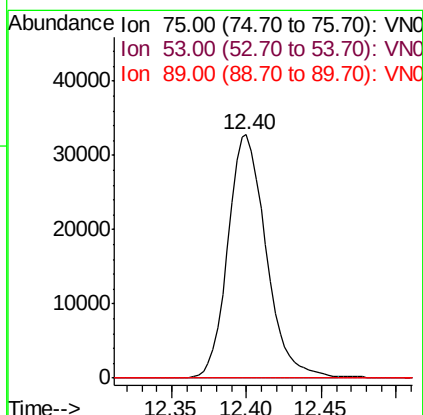
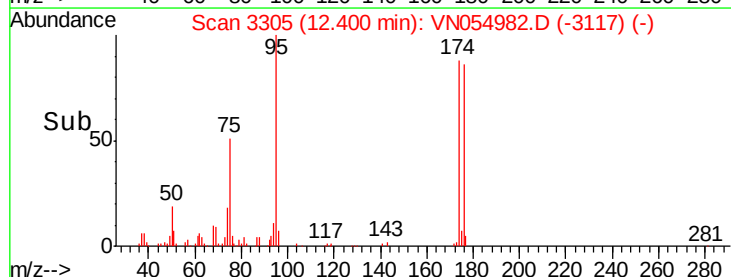
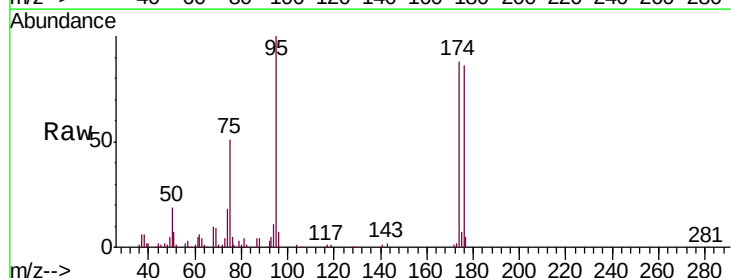
Tgt Ion: 75 Resp: 58495

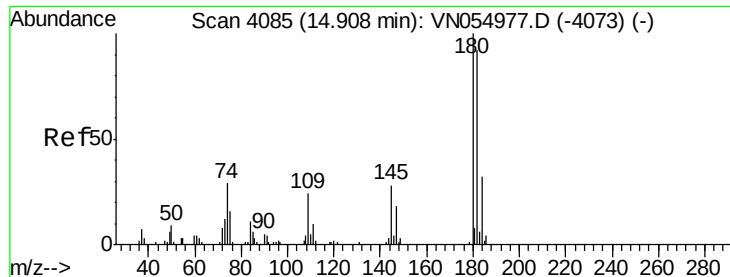
Ion Ratio Lower Upper

75 100

53 0.0 64.3 192.7#

89 0.0 21.6 65.0#

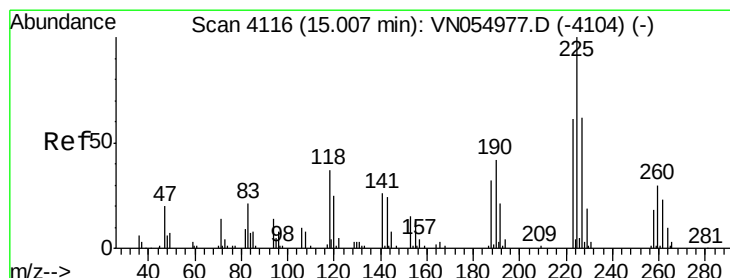
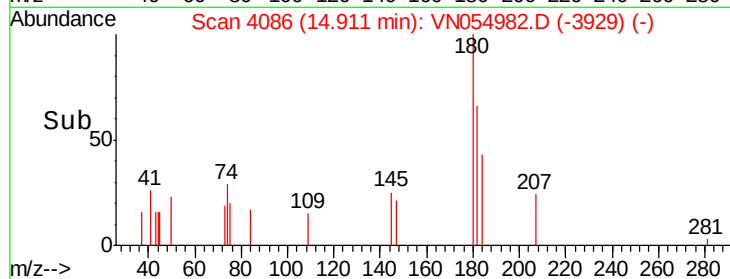
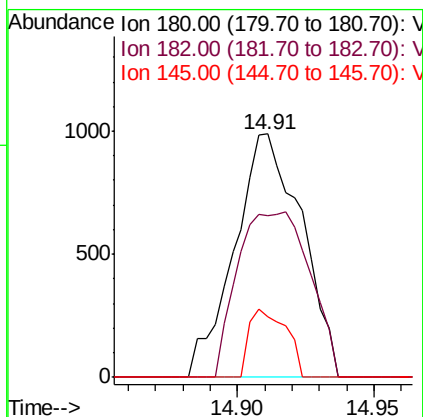
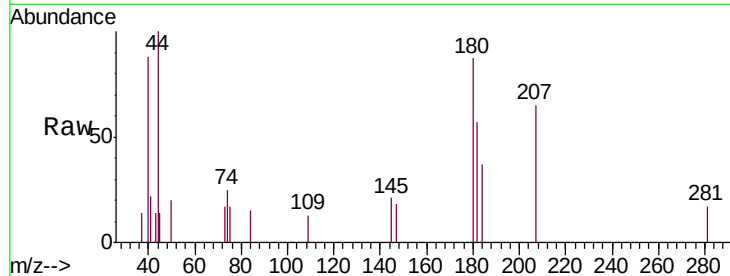




#89
 1,2,4-Trichlorobenzene
 Concen: 0.524 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN054982.D
 Acq: 11 Apr 2019 17:38

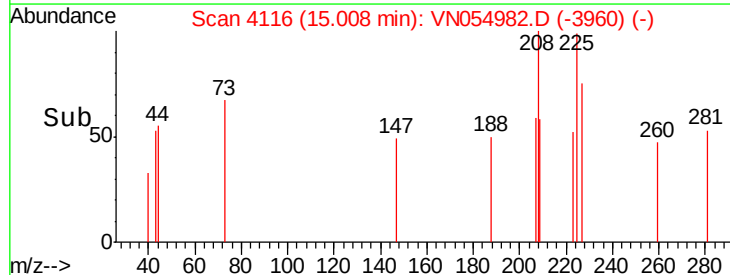
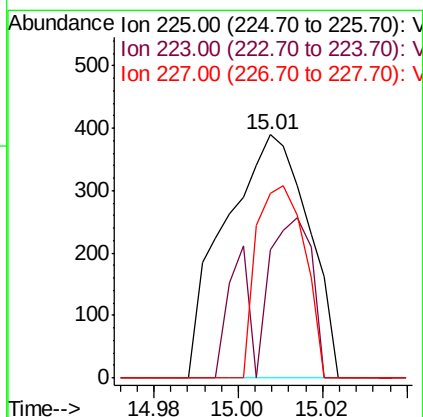
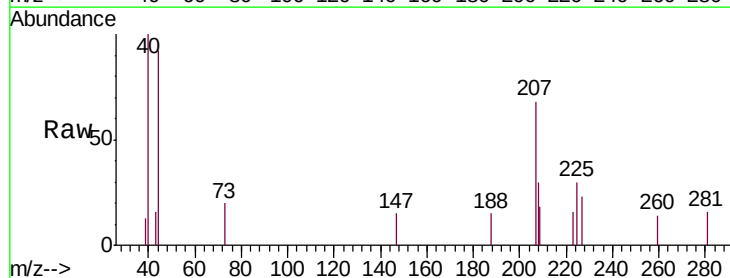
Instrument :
 MSVOA_N
 ClientSampled :
 VN0411WBL01

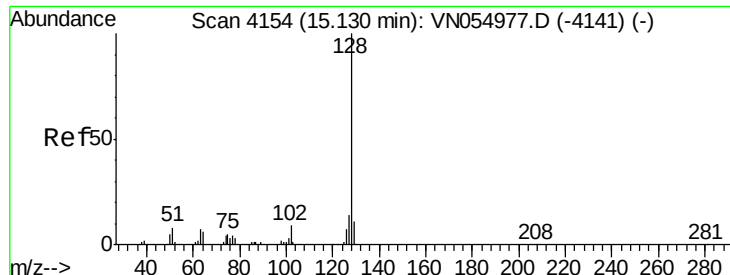
Tgt Ion:180 Resp: 1694
 Ion Ratio Lower Upper
 180 100
 182 34.7 73.2 109.8#
 145 15.2 23.2 34.8#



#90
 Hexachlorobutadiene
 Concen: 0.226 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054982.D
 Acq: 11 Apr 2019 17:38

Tgt Ion:225 Resp: 533
 Ion Ratio Lower Upper
 225 100
 223 32.8 0.0 126.0
 227 46.0 0.0 125.4





#91

Naphthalene

Concen: 0.431 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054982.D

Acq: 11 Apr 2019 17:38

Instrument :

MSVOA_N

ClientSampled :

VN0411WBL01

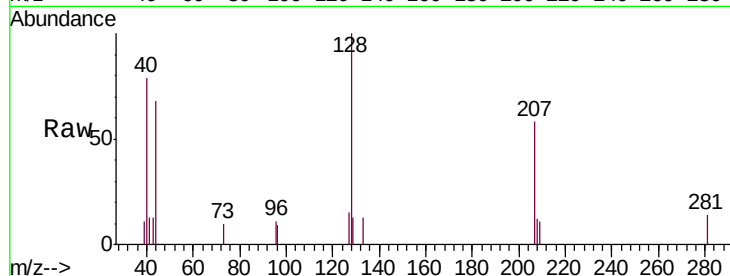
Tgt Ion:128 Resp: 2916

Ion Ratio Lower Upper

128 100

127 7.7 10.6 15.8#

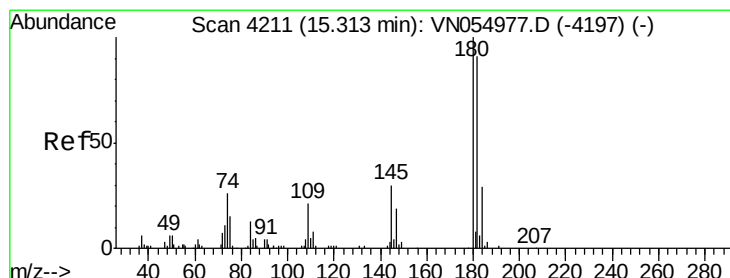
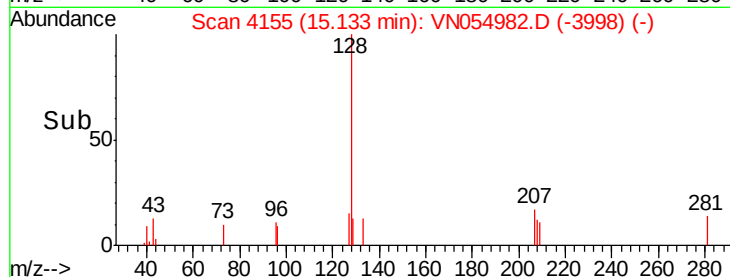
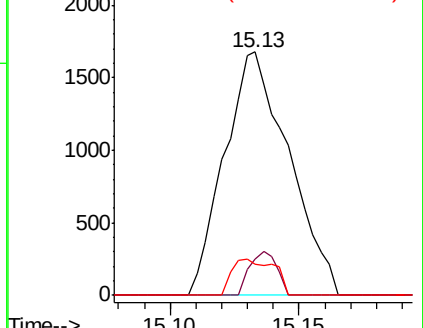
129 7.1 9.0 13.6#



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



#92

1,2,3-Trichlorobenzene

Concen: 0.486 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054982.D

Acq: 11 Apr 2019 17:38

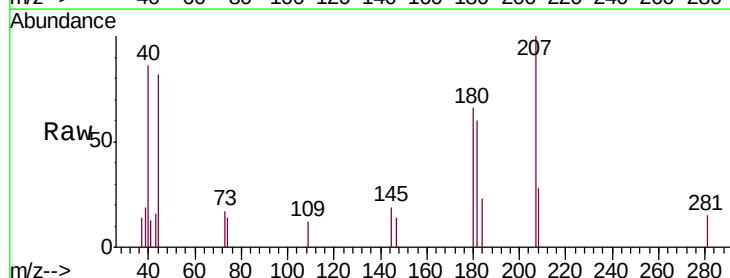
Tgt Ion:180 Resp: 1571

Ion Ratio Lower Upper

180 100

182 70.7 0.0 188.2

145 24.3 0.0 61.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

