

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052629.D
 Acq On : 3 Dec 2018 14:10
 Operator : MD\SY
 Sample : VN1203WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBL02

Quant Time: Dec 04 00:24:34 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	164218	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	944497	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	782729	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	334516	29.90	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.67%
60) 4-Bromofluorobenzene	12.40	95	311349	26.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	86.73%
63) Toluene-d8	10.09	98	1085607	29.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.70%

Target Compounds

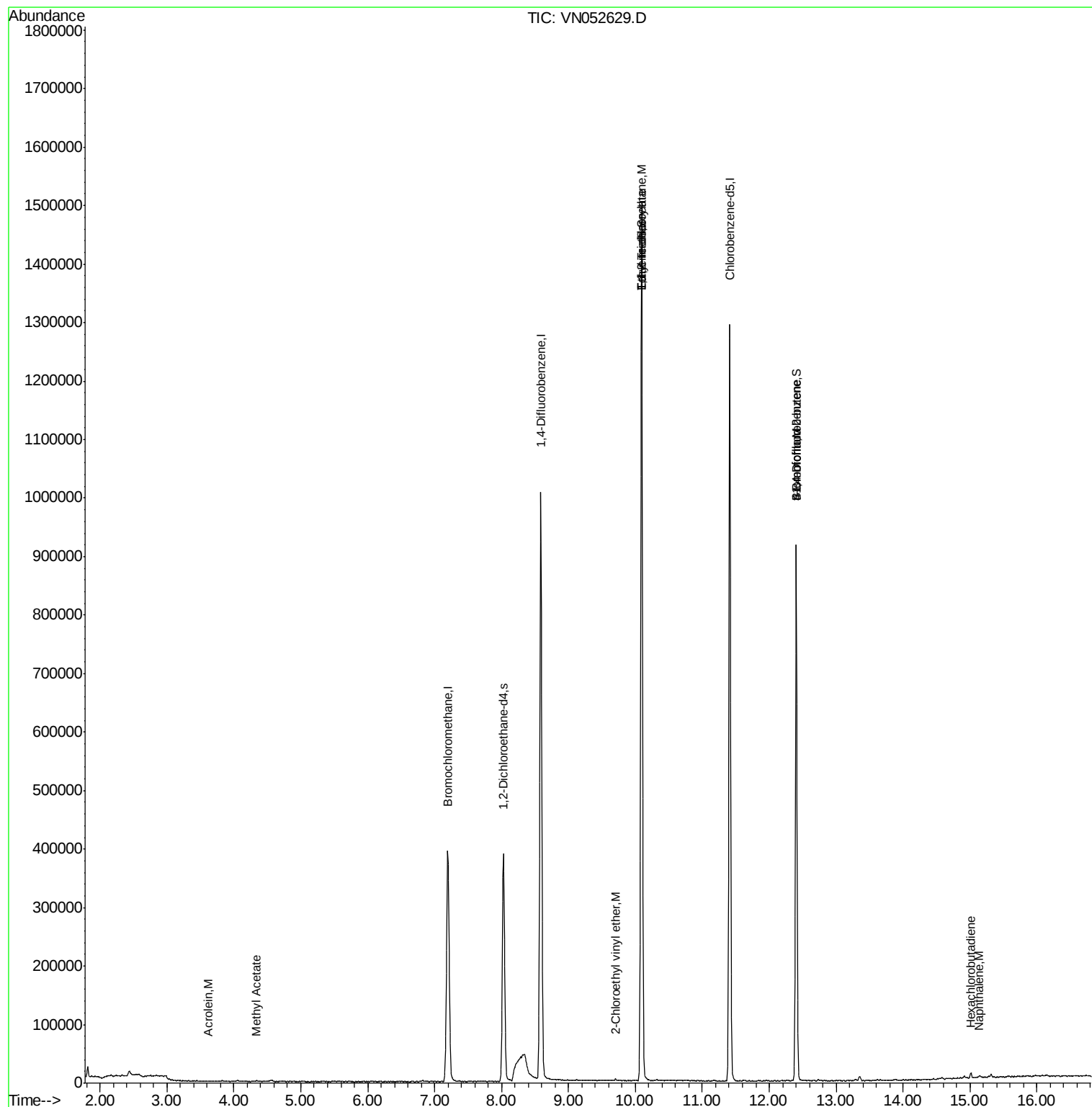
					Ovalue	
12) Methyl Acetate	4.33	43	3371	0.431	ug/l	91
13) Acrolein	3.62	56	201	0.219	ug/l #	14
50) 1,1,2-Trichloroethane	10.10	97	32086	3.603	ug/l #	1
51) Ethyl methacrylate	10.09	69	3241	0.290	ug/l	95
55) 2-Chloroethyl vinyl ether	9.70	63	1367	0.209	ug/l #	75
56) Bromoform	12.40	173	1937	0.302	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	149226	56.539	ug/l #	11
90) Hexachlorobutadiene	15.01	225	1209	0.207	ug/l	60
91) Naphthalene	15.13	128	3748	0.208	ug/l #	86

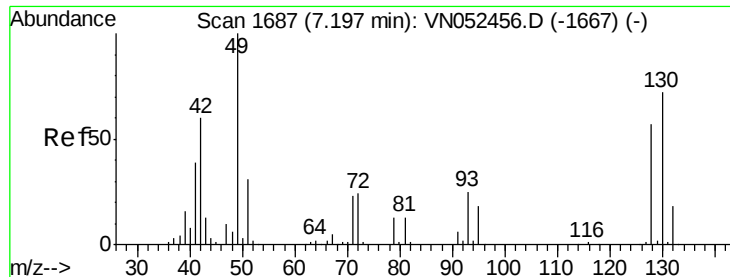
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 04 00:24:34 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: VN052629.D

Acq: 3 Dec 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

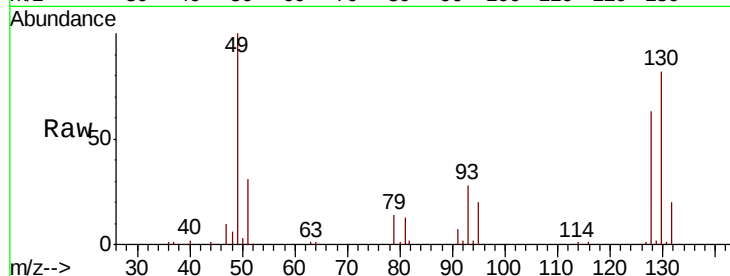
Tot Ion:128 Resp: 164218

Ion Ratio Lower Upper

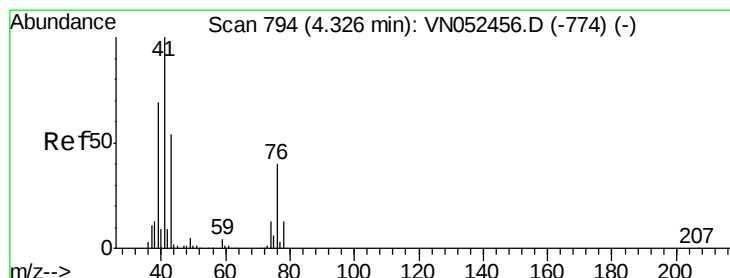
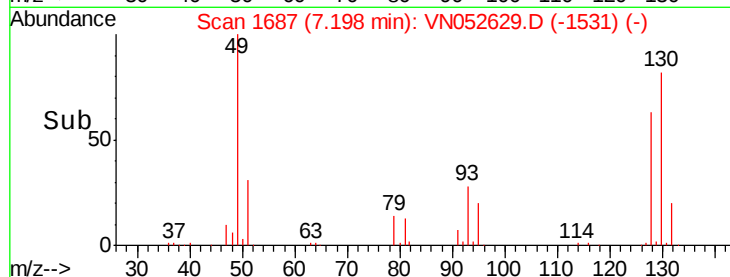
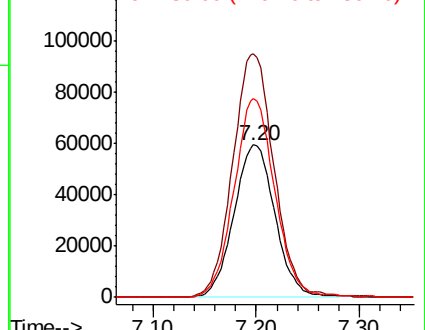
128 100

49 159.6 0.0 431.8

130 130.1 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



#12

Methyl Acetate

Concen: 0.431 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052629.D

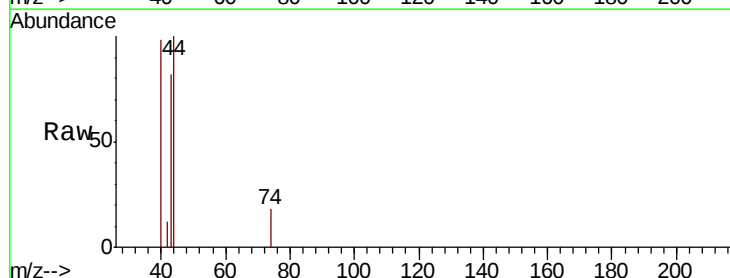
Acq: 3 Dec 2018 14:10

Tgt Ion: 43 Resp: 3371

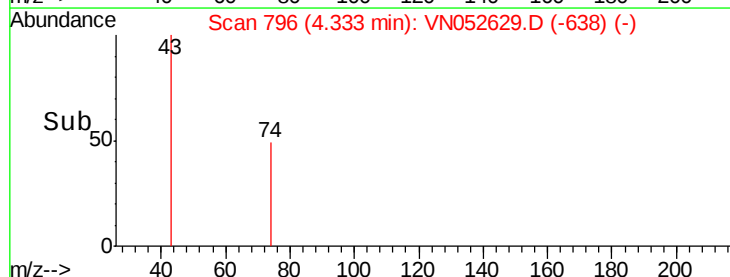
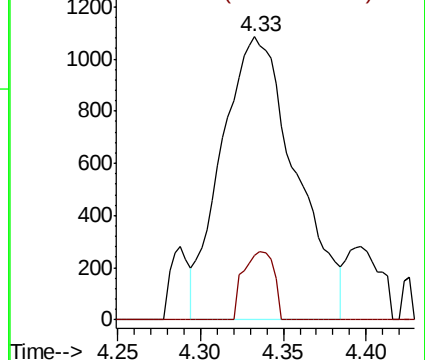
Ion Ratio Lower Upper

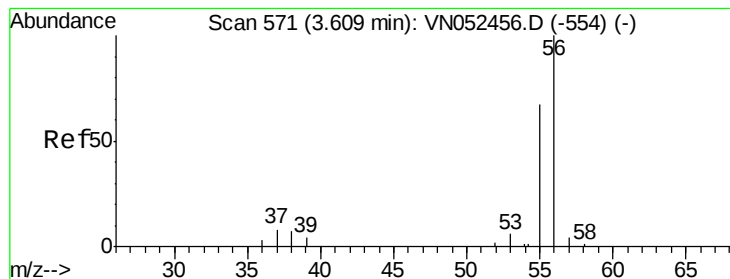
43 100

74 27.8 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN





#13

Acrolein

Concen: 0.219 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052629.D

Acq: 3 Dec 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

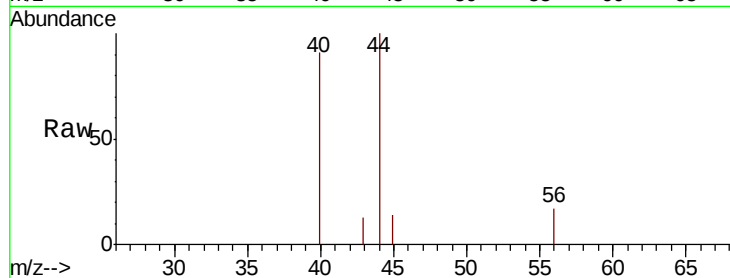
VN1203WBL02

Tot Ion: 56 Resp: 201

Ion Ratio Lower Upper

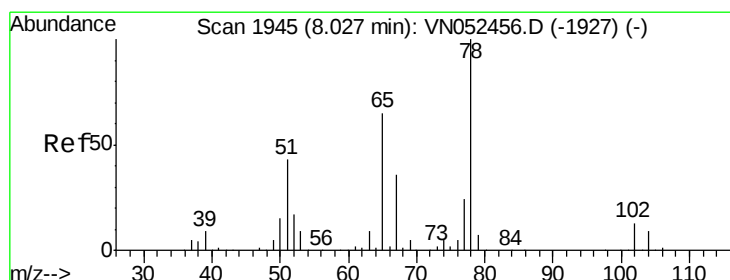
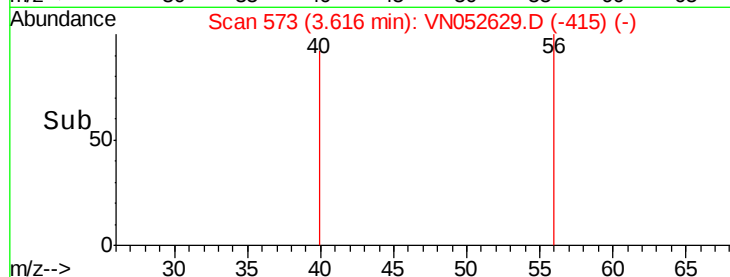
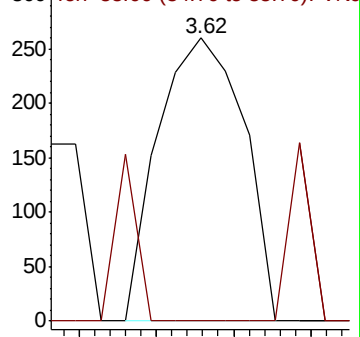
56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#27

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN052629.D

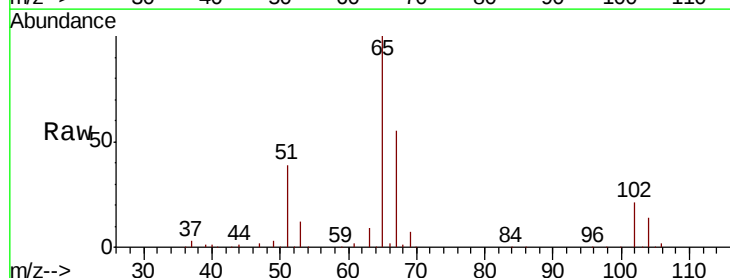
Acq: 3 Dec 2018 14:10

Tgt Ion: 65 Resp: 334516

Ion Ratio Lower Upper

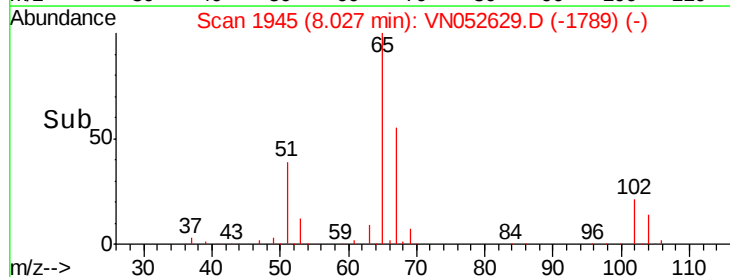
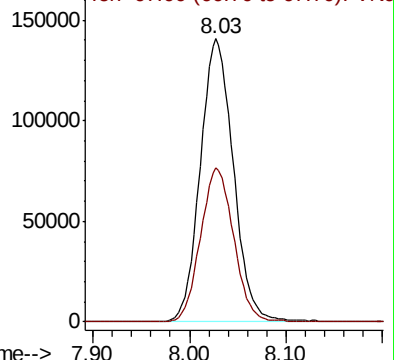
65 100

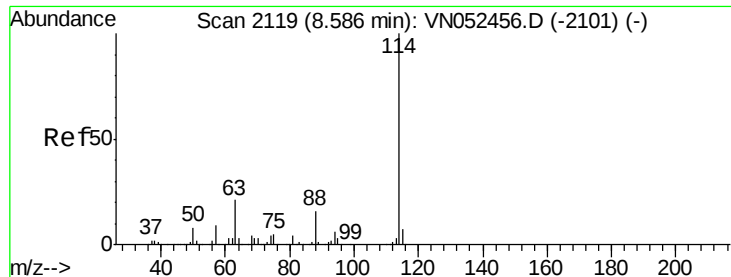
67 54.4 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

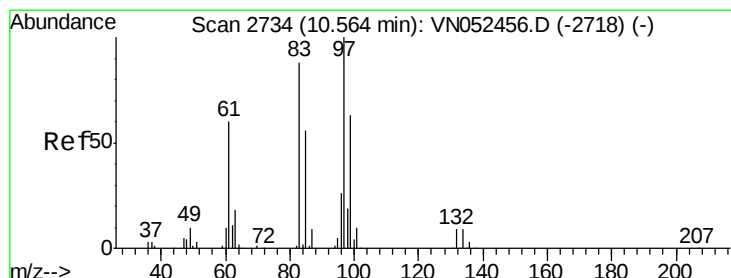
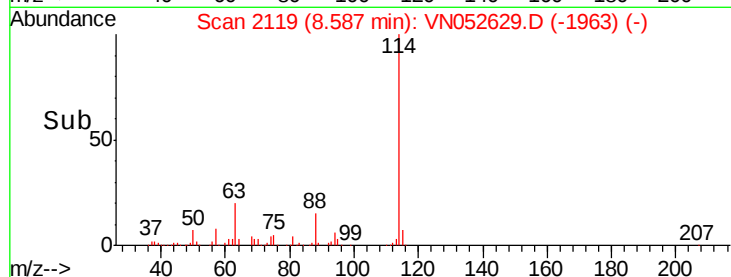
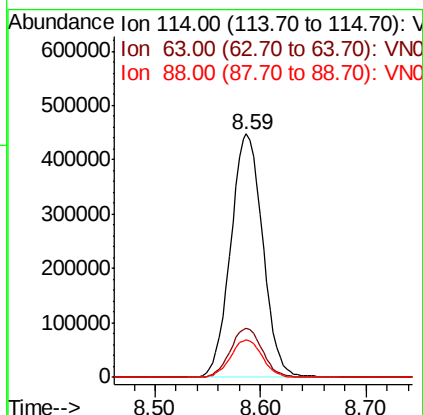
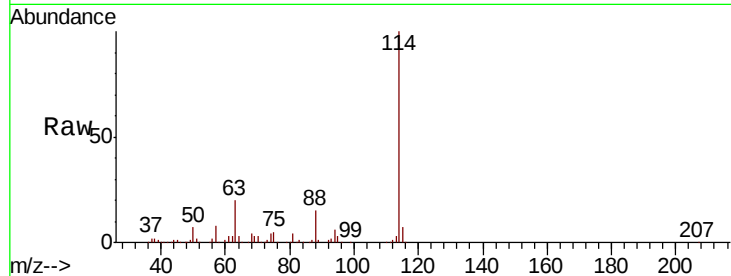




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052629.D
 Acq: 3 Dec 2018 14:10

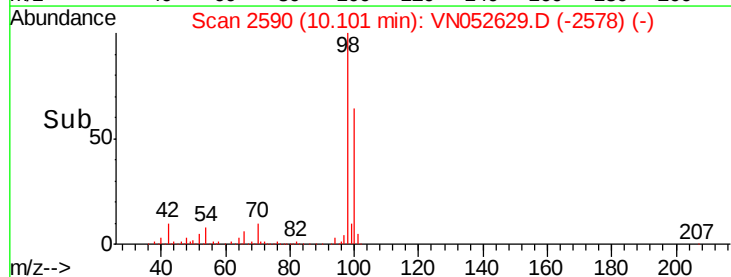
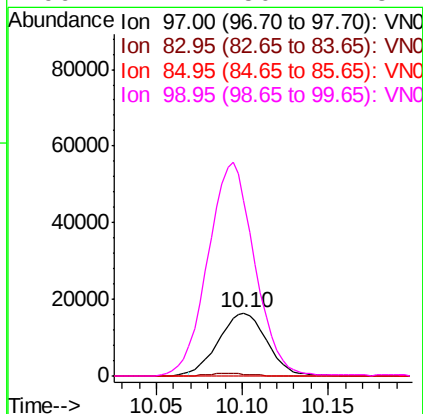
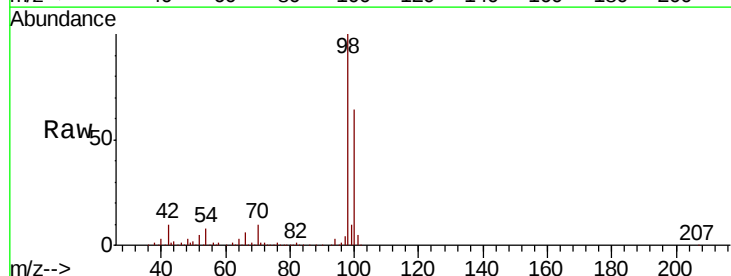
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBL02

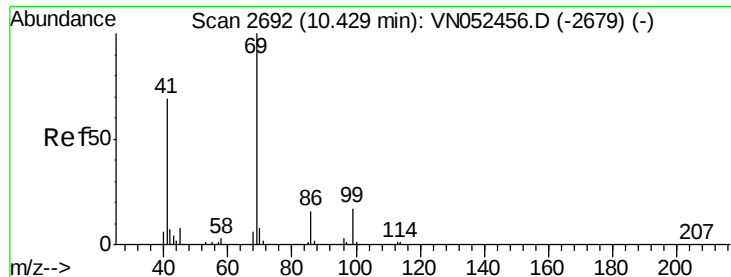
Tot Ion:114 Resp: 944497
 Ion Ratio Lower Upper
 114 100
 63 20.0 16.9 25.3
 88 15.3 12.8 19.2



#50
 1,1,2-Trichloroethane
 Concen: 3.603 ug/l
 RT: 10.10 min Scan# 2590
 Delta R.T. -0.46 min
 Lab File: VN052629.D
 Acq: 3 Dec 2018 14:10

Tgt Ion: 97 Resp: 32086
 Ion Ratio Lower Upper
 97 100
 83 2.9 70.4 105.6#
 85 0.0 45.0 67.6#
 99 277.1 50.2 75.2#





#51

Ethyl methacrylate

Concen: 0.290 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN052629.D

Acq: 3 Dec 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBL02

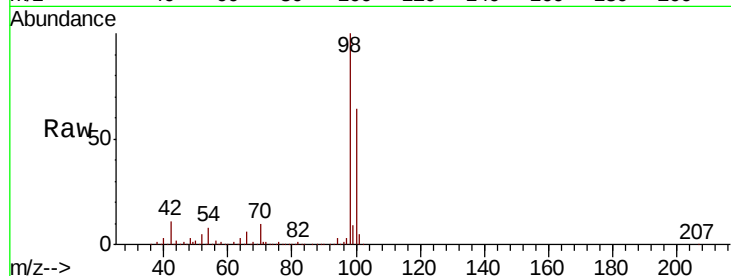
Tot Ion: 69 Resp: 3241

Ion Ratio Lower Upper

69 100

41 72.3 34.4 103.3

39 37.0 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN052456.D (-2679) (-)

Ion 41.00 (40.70 to 41.70): VN052456.D (-2679) (-)

Ion 39.00 (38.70 to 39.70): VN052456.D (-2679) (-)

10.09

1500

1000

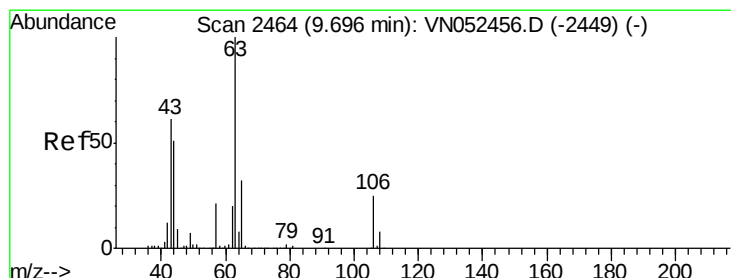
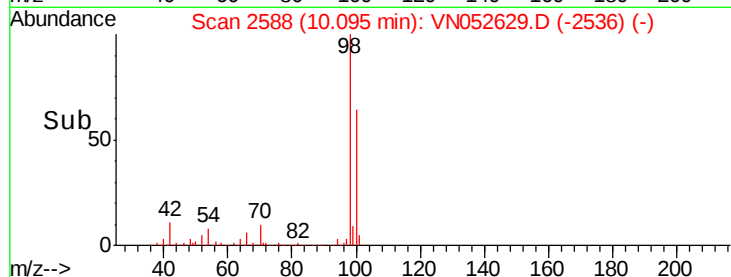
500

0

10.05

10.10

Time-->



#55

2-Chloroethyl vinyl ether

Concen: 0.209 ug/l

RT: 9.70 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VN052629.D

Acq: 3 Dec 2018 14:10

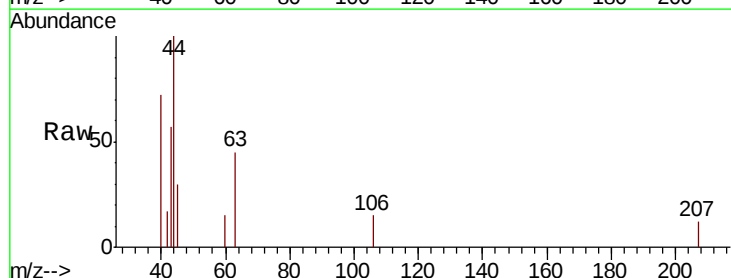
Tgt Ion: 63 Resp: 1367

Ion Ratio Lower Upper

63 100

65 8.6 25.4 38.2#

106 23.8 20.4 30.6



Abundance Ion 63.00 (62.70 to 63.70): VN052456.D (-2449) (-)

Ion 65.00 (64.70 to 65.70): VN052456.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN052456.D (-2449) (-)

9.70

1200

1000

800

600

400

200

0

9.66

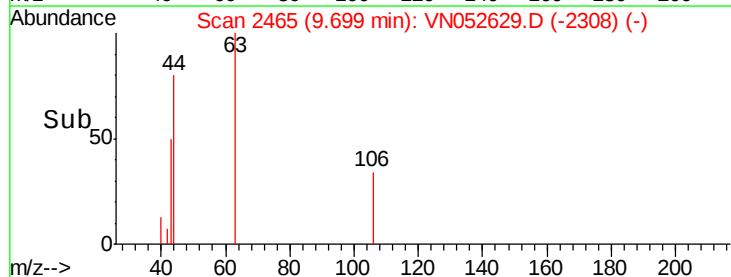
9.68

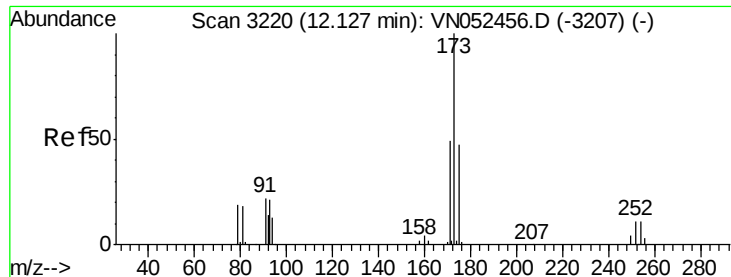
9.70

9.72

9.74

Time-->

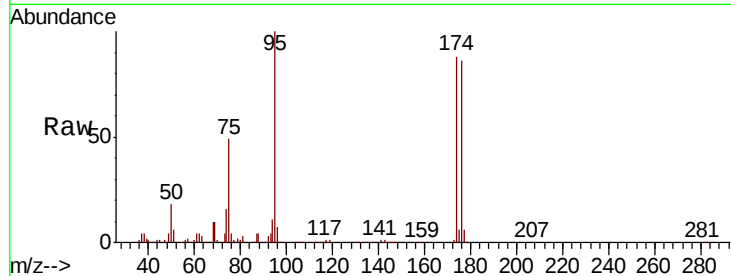




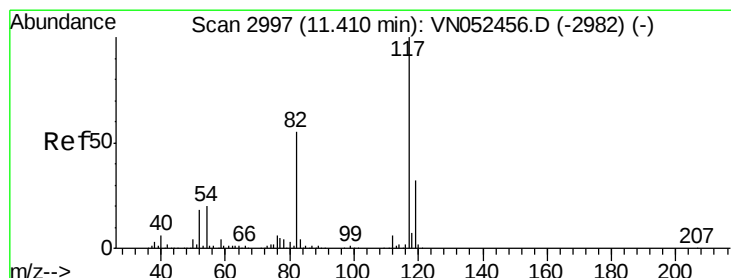
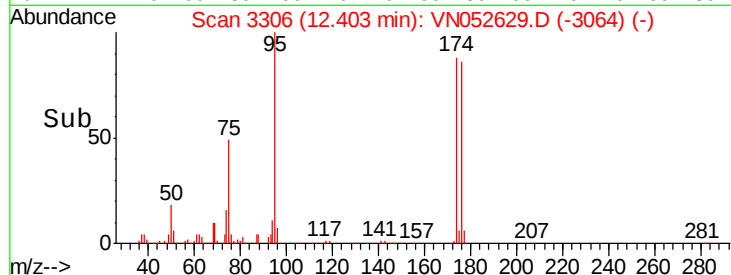
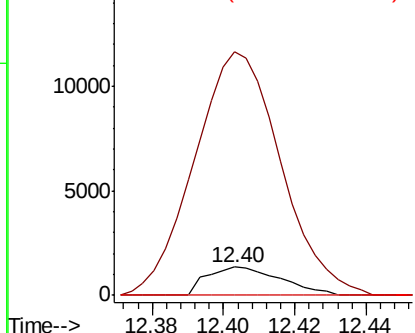
#56
Bromoform
Concen: 0.302 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052629.D
Acq: 3 Dec 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

Tot Ion:173 Resp: 1937
Ion Ratio Lower Upper
173 100
175 1008.7 38.7 58.1#
254 0.0 8.4 12.6#

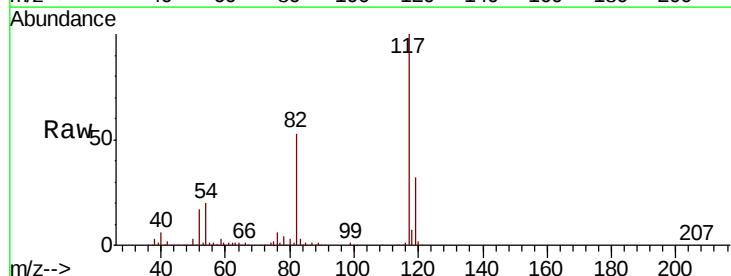


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

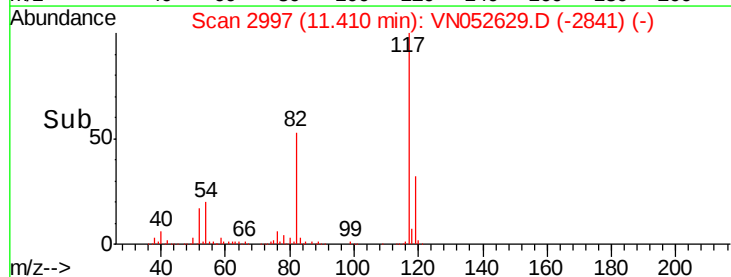
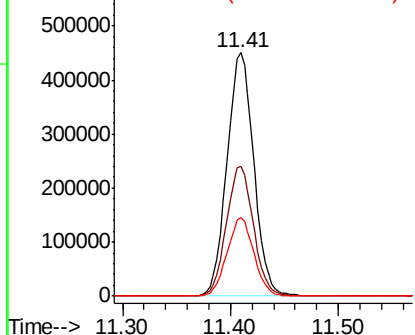


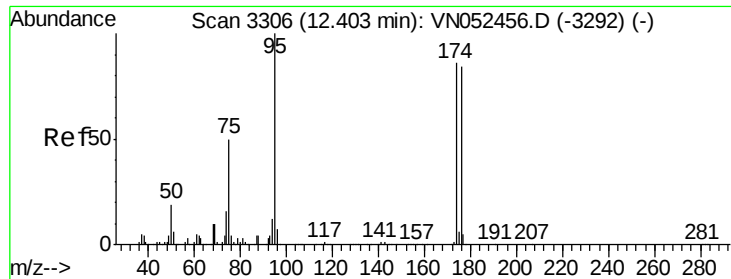
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052629.D
Acq: 3 Dec 2018 14:10

Tgt Ion:117 Resp: 782729
Ion Ratio Lower Upper
117 100
82 53.7 44.2 66.2
119 32.2 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

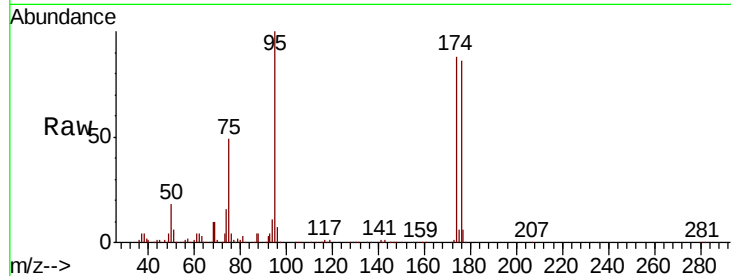




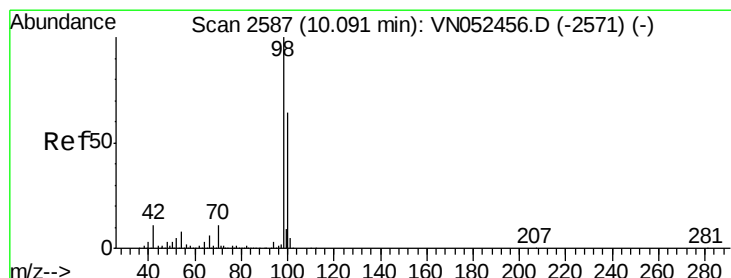
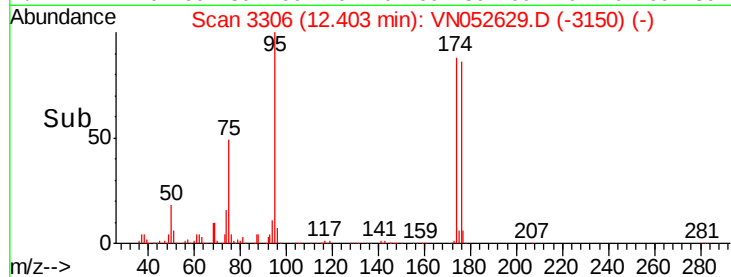
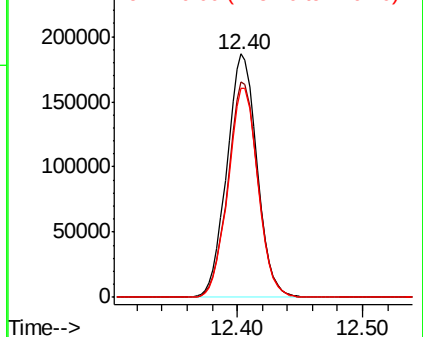
#60
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052629.D
Acq: 3 Dec 2018 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

Tot Ion: 95 Resp: 311349
Ion Ratio Lower Upper
95 100
174 87.9 67.9 101.9
176 85.2 66.4 99.6

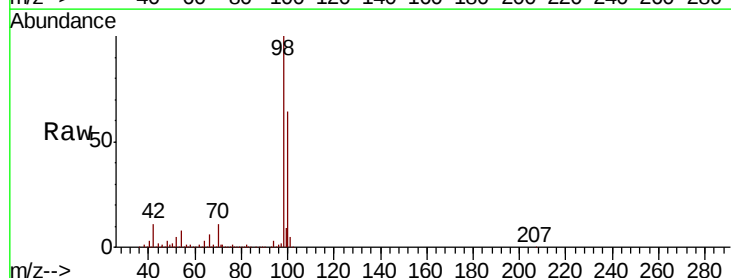


Abundance Ion 95.00 (94.70 to 95.70): VN0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V

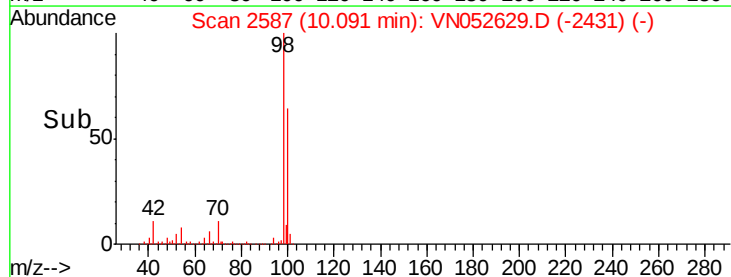
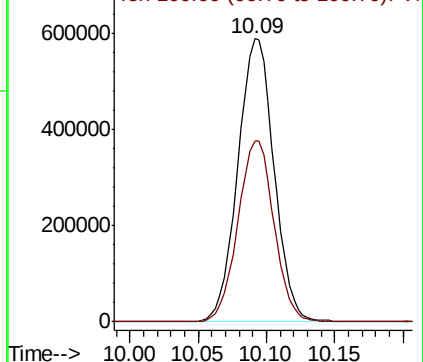


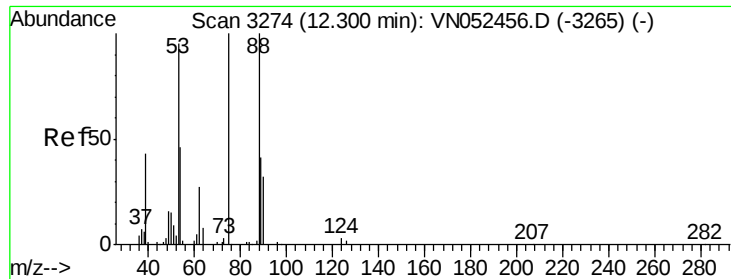
#63
Toluene-d8
Concen: Below ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052629.D
Acq: 3 Dec 2018 14:10

Tgt Ion: 98 Resp: 1085607
Ion Ratio Lower Upper
98 100
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): V

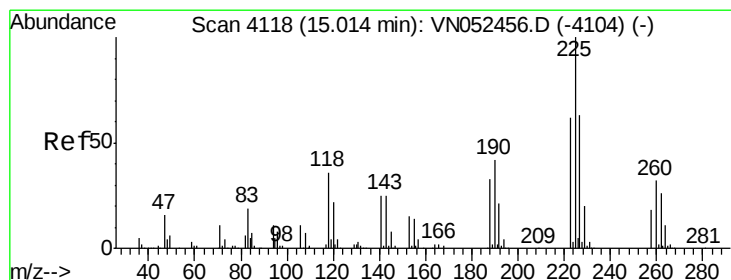
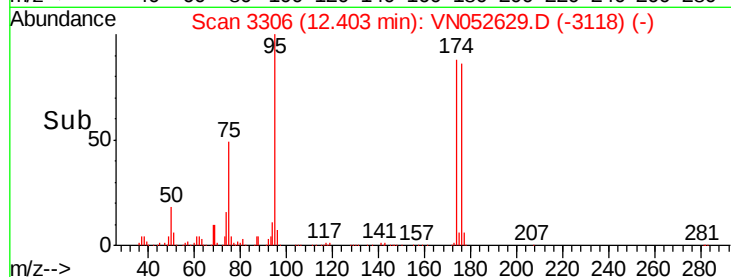
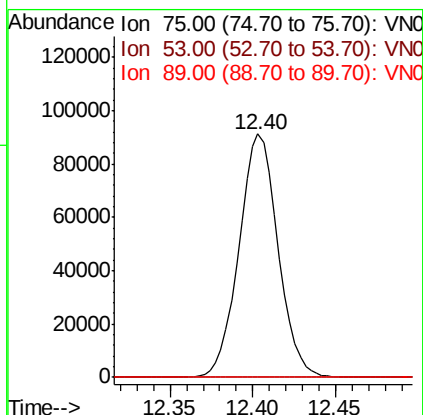
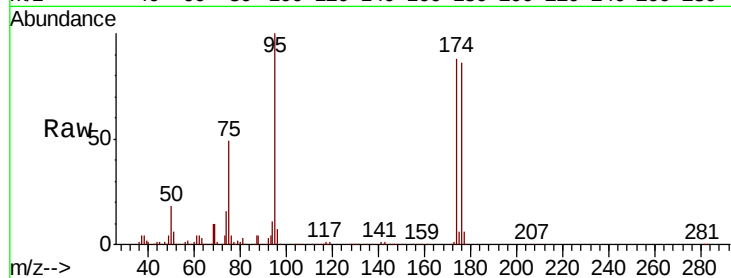




#77
t-1,4-Dichloro-2-butene
Concen: 56.539 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN052629.D
Acq: 3 Dec 2018 14:10

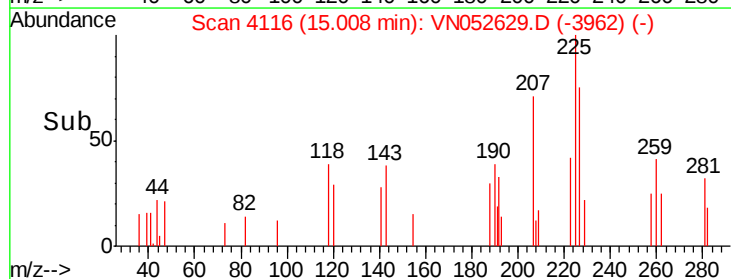
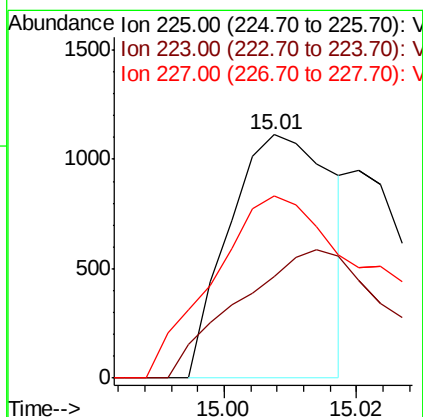
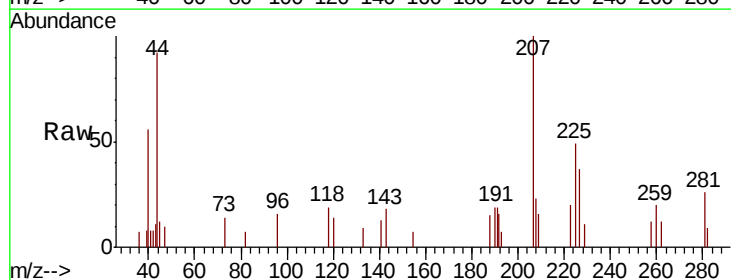
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBL02

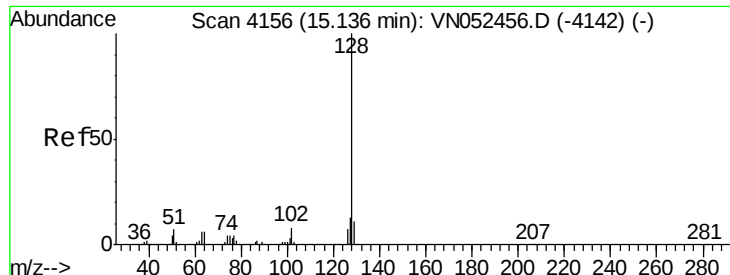
Tot Ion: 75 Resp: 149226
Ion Ratio Lower Upper
75 100
53 0.0 48.5 145.6#
89 0.0 21.7 65.1#



#90
Hexachlorobutadiene
Concen: 0.207 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.01 min
Lab File: VN052629.D
Acq: 3 Dec 2018 14:10

Tgt Ion: 225 Resp: 1209
Ion Ratio Lower Upper
225 100
223 76.0 0.0 125.6
227 113.2 0.0 127.8





#91

Naphthalene

Concen: 0.208 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN052629.D

Acq: 3 Dec 2018 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBL02

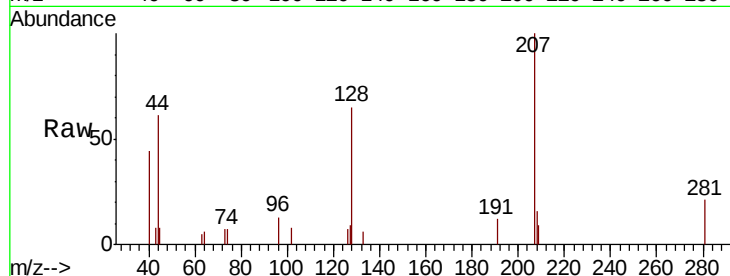
Tot Ion:128 Resp: 3748

Ion Ratio Lower Upper

128 100

127 6.3 9.9 14.9#

129 5.9 8.5 12.7#



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

