

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN101218\
 Data File : VN051829.D
 Acq On : 12 Oct 2018 13:38
 Operator : MD\SY
 Sample : VN1012WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBL01

Quant Time: Oct 12 16:08:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	123999	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	699565	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	559505	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	234810	31.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.73%
60) 4-Bromofluorobenzene	12.40	95	189407	23.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	78.27%
63) Toluene-d8	10.09	98	789201	32.48	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	108.27%

Target Compounds

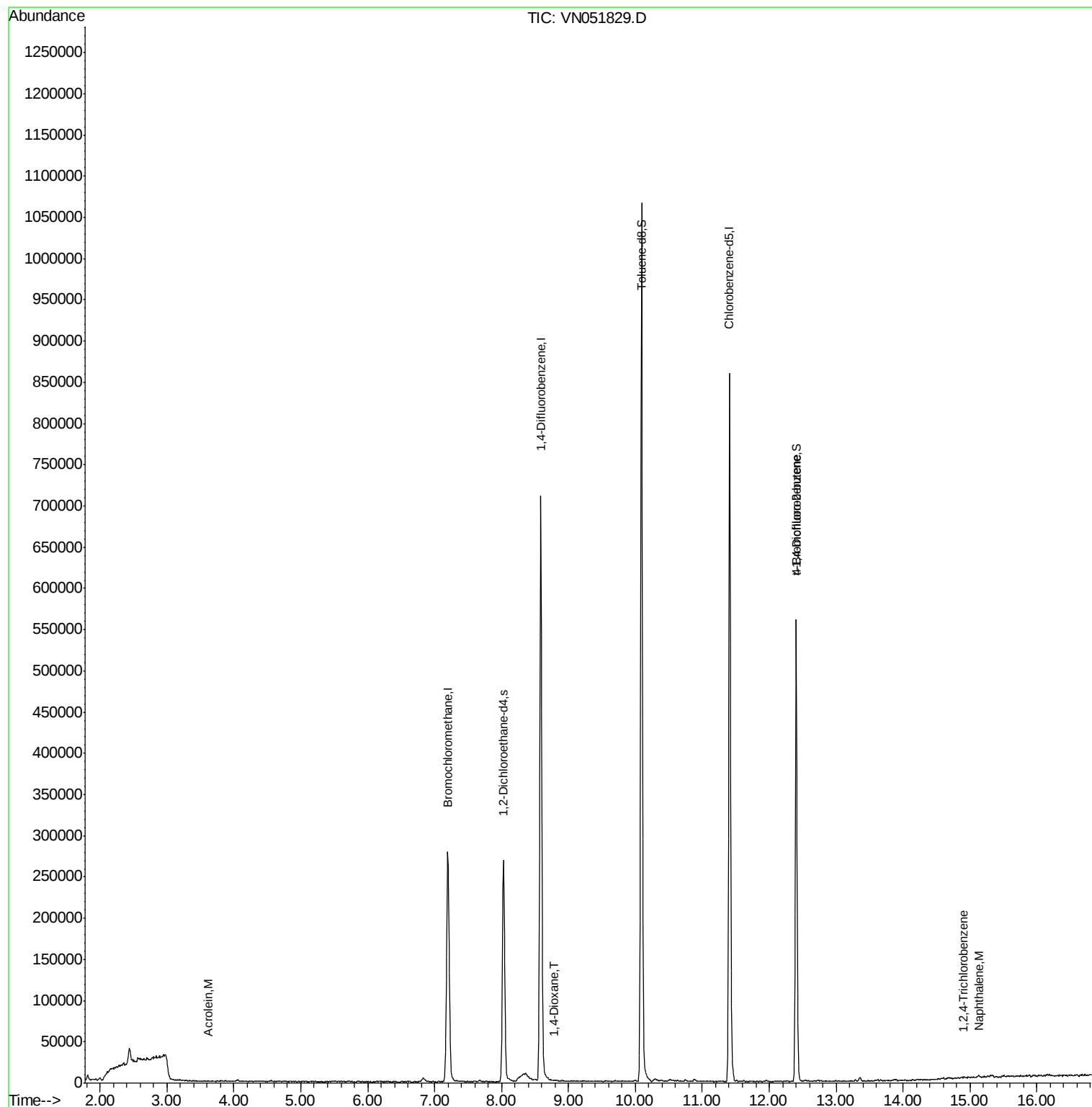
						Qvalue
13) Acrolein	3.62	56	98	0.42	ug/l	85
45) 1,4-Dioxane	8.78	88	123	1.87	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	97597	58.01	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.91	180	370	7.77	ug/l #	92
91) Naphthalene	15.13	128	1872	8.63	ug/l #	87

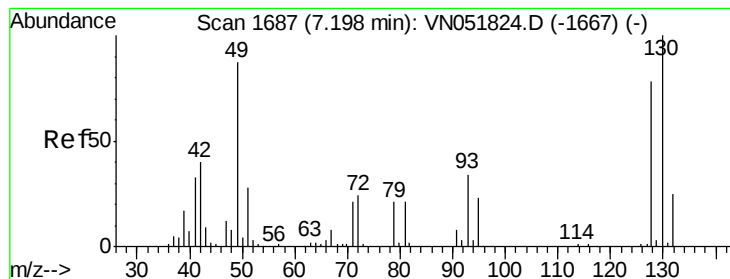
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N101218W.M
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QLast Update : Fri Oct 12 10:23:44 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051829.D

Acq: 12 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBL01

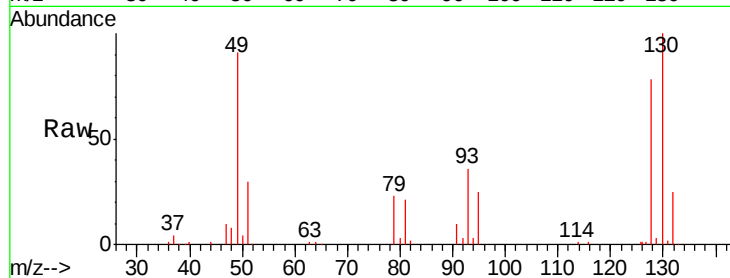
Tgt Ion:128 Resp: 123999

Ion Ratio Lower Upper

128 100

49 113.9 0.0 403.3

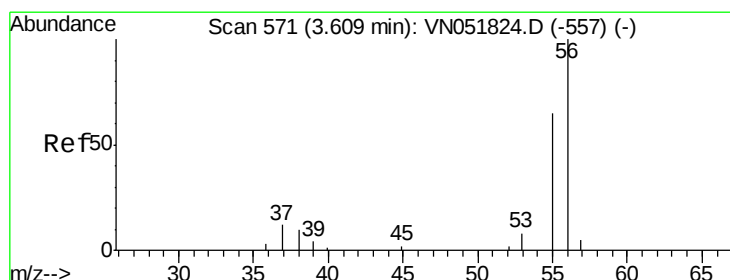
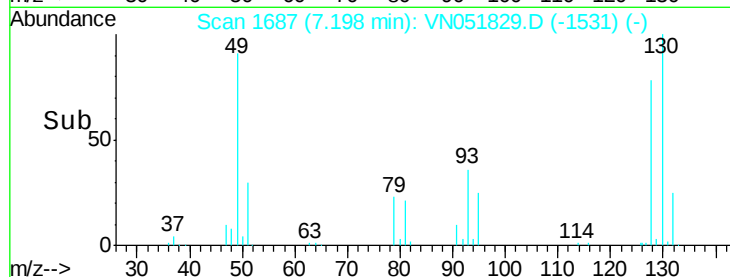
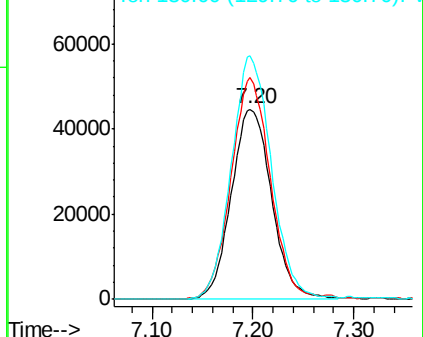
130 127.4 0.0 326.0



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



#13

Acrolein

Concen: 0.42 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051829.D

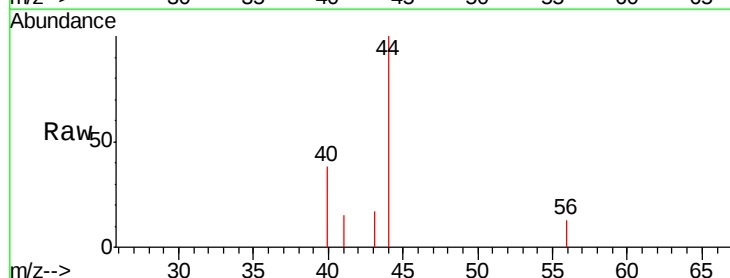
Acq: 12 Oct 2018 13:38

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

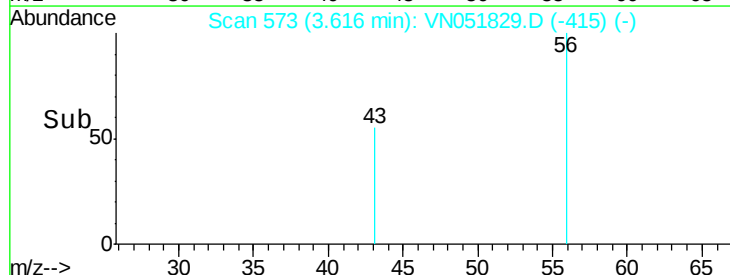
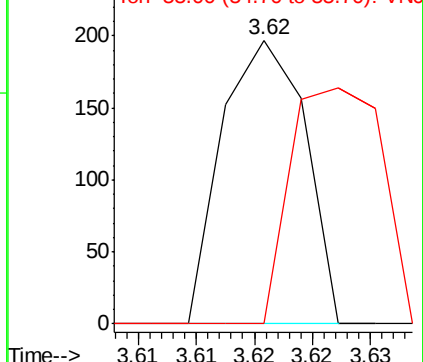
56 100

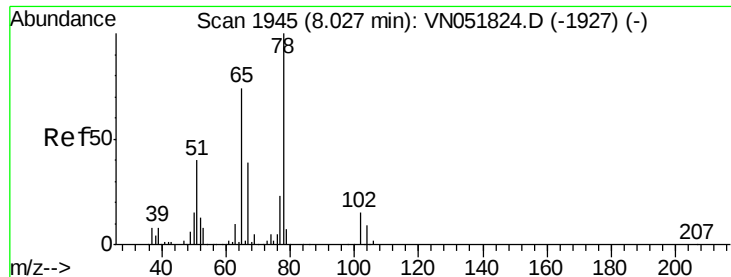
55 92.9 64.0 96.0



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: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051829.D

Acq: 12 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

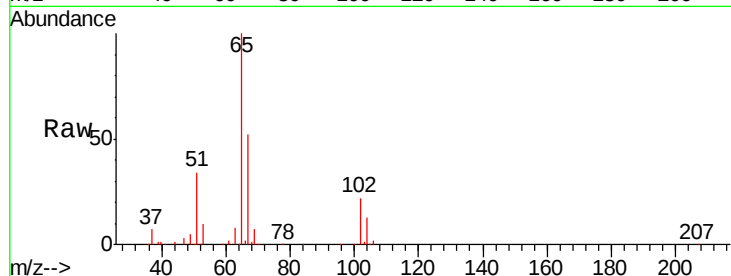
VN1012WBL01

Tgt Ion: 65 Resp: 234810

Ion Ratio Lower Upper

65 100

67 51.1 41.8 62.8



Abundance Ion 65.00 (64.70 to 65.70): VN051829.D (-1789) (-)

Ion 67.00 (66.70 to 67.70): VN051829.D (-1789) (-)

8.03

100000

80000

60000

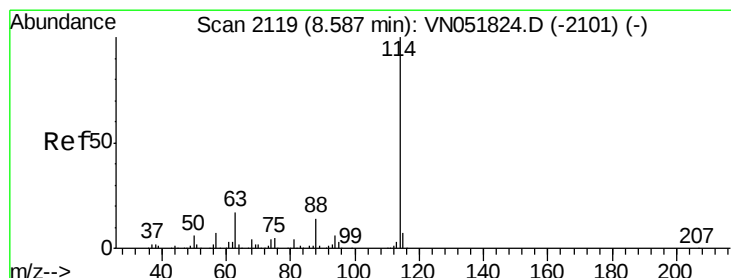
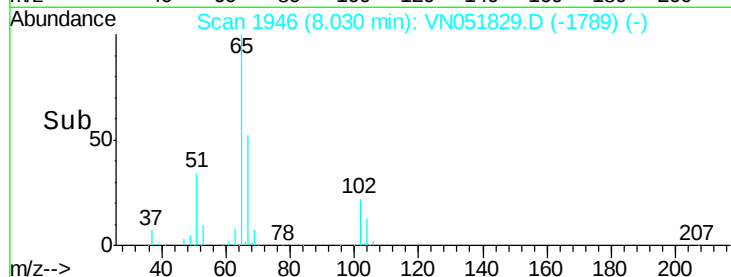
40000

20000

0

7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051829.D

Acq: 12 Oct 2018 13:38

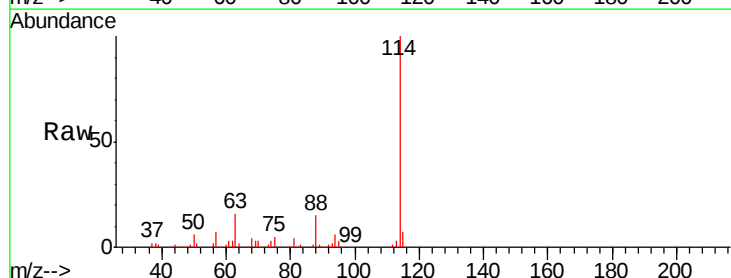
Tgt Ion: 114 Resp: 699565

Ion Ratio Lower Upper

114 100

63 16.5 16.2 24.2

88 14.2 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051829.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051829.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051829.D (-1963) (-)

8.59

400000

300000

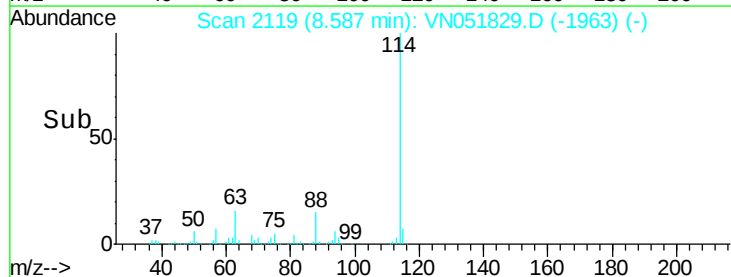
200000

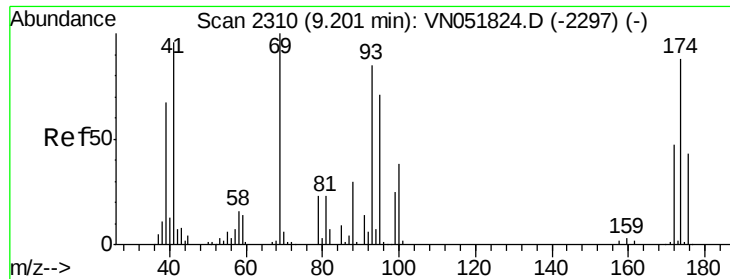
100000

0

8.50 8.60 8.70

Time-->

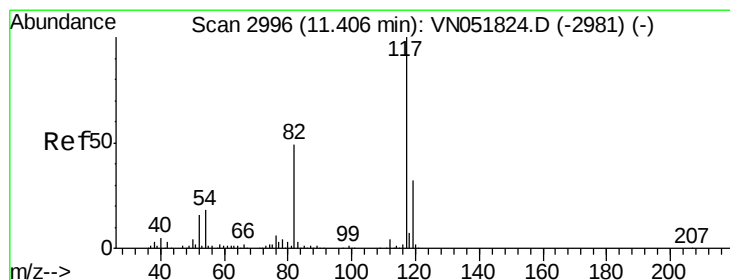
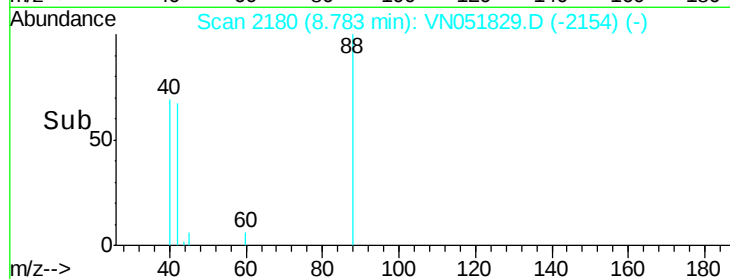
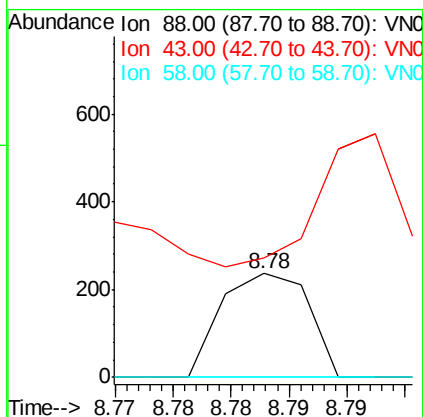
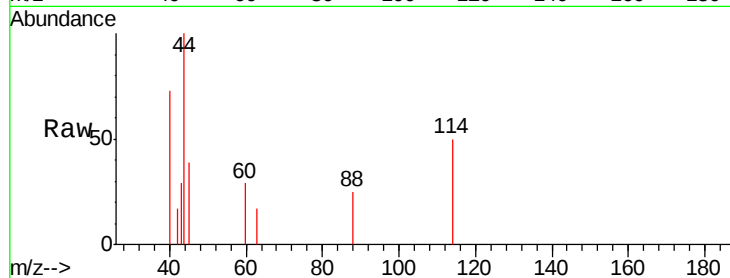




#45
 1,4-Dioxane
 Concen: 1.87 ug/l
 RT: 8.78 min Scan# 2180
 Delta R.T. -0.42 min
 Lab File: VN051829.D
 Acq: 12 Oct 2018 13:38

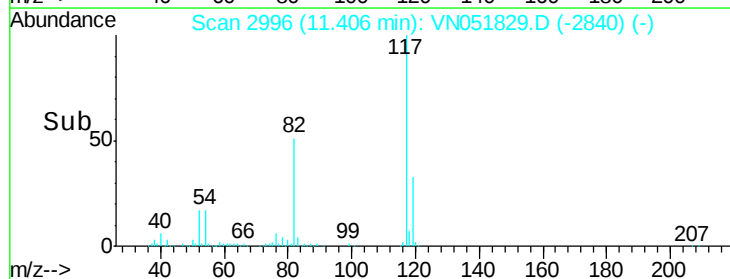
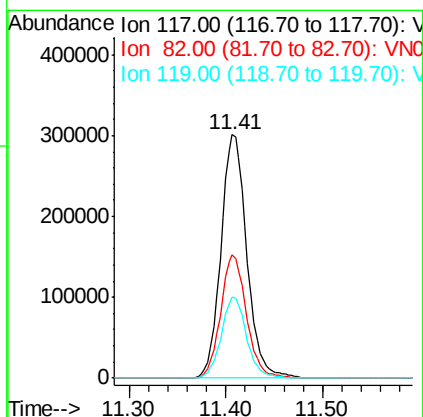
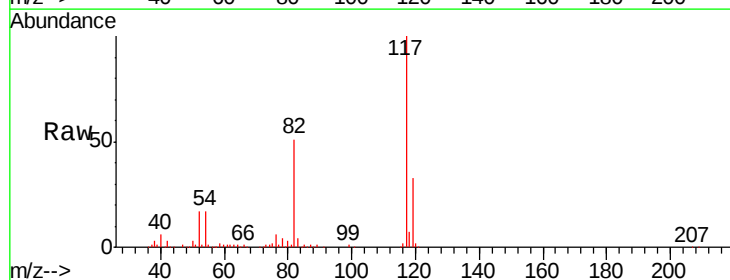
Instrument :
 MSVOA_N
 ClientSampled :
 VN1012WBL01

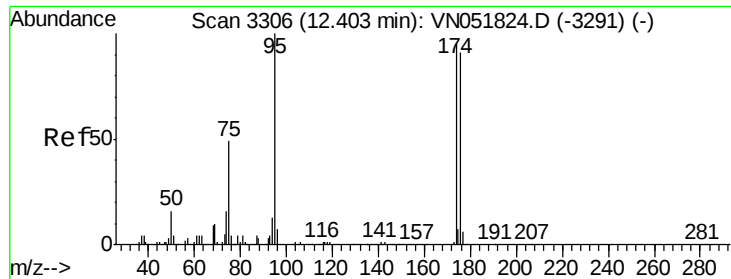
Tgt Ion: 88 Resp: 123
 Ion Ratio Lower Upper
 88 100
 43 104.9 26.2 39.2#
 58 0.0 65.6 98.4#



#57
 Chlorobenzene-d5
 Concen: 30.00 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN051829.D
 Acq: 12 Oct 2018 13:38

Tgt Ion: 117 Resp: 559505
 Ion Ratio Lower Upper
 117 100
 82 50.4 44.1 66.1
 119 32.4 25.8 38.8





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051829.D

Acq: 12 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampled :

VN1012WBL01

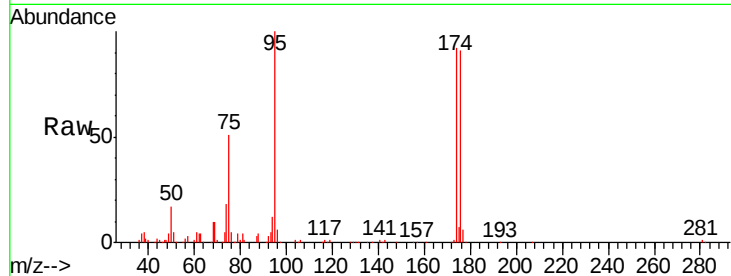
Tgt Ion: 95 Resp: 189407

Ion Ratio Lower Upper

95 100

174 92.9 73.5 110.3

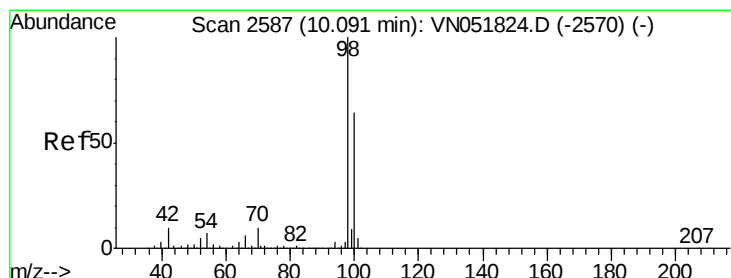
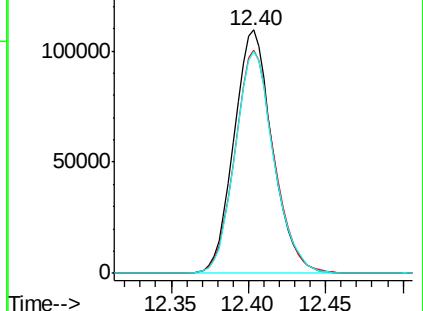
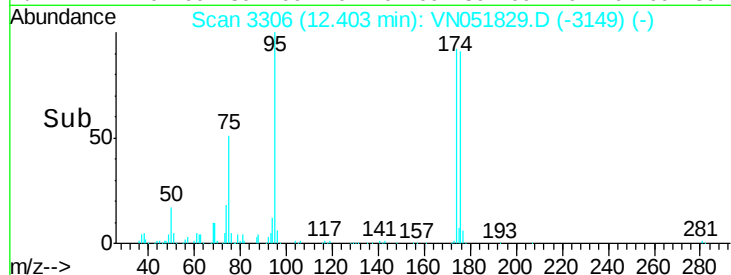
176 91.6 70.2 105.2



Abundance Ion 95.00 (94.70 to 95.70): VN051829.D (-3149) (-)

Ion 174.00 (173.70 to 174.70): VN051829.D (-3149) (-)

Ion 176.00 (175.70 to 176.70): VN051829.D (-3149) (-)



#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051829.D

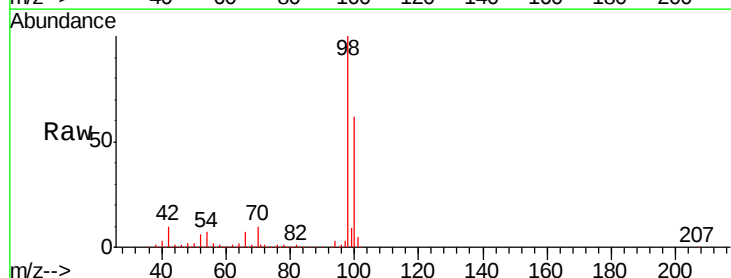
Acq: 12 Oct 2018 13:38

Tgt Ion: 98 Resp: 789201

Ion Ratio Lower Upper

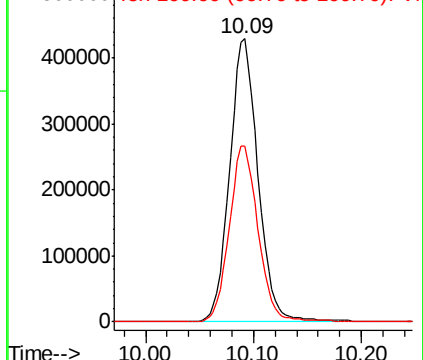
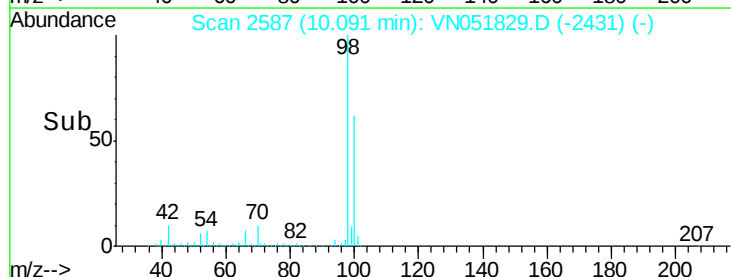
98 100

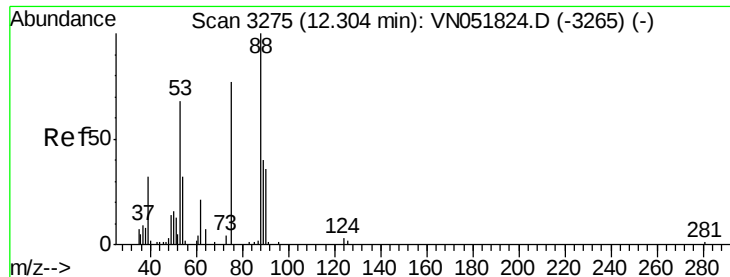
100 62.8 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VN051829.D (-2431) (-)

Ion 100.00 (99.70 to 100.70): VN051829.D (-2431) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 58.01 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051829.D

Acq: 12 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBL01

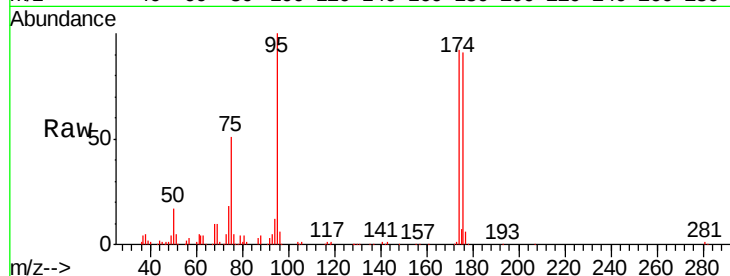
Tgt Ion: 75 Resp: 97597

Ion Ratio Lower Upper

75 100

53 0.0 46.3 138.9#

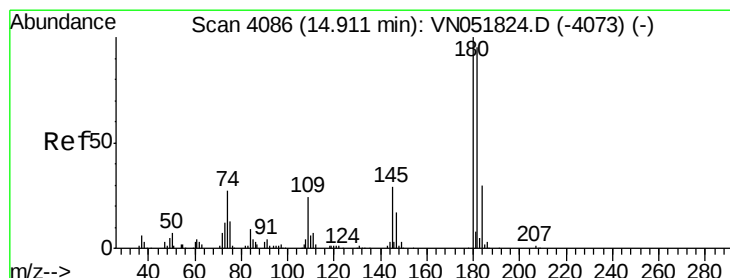
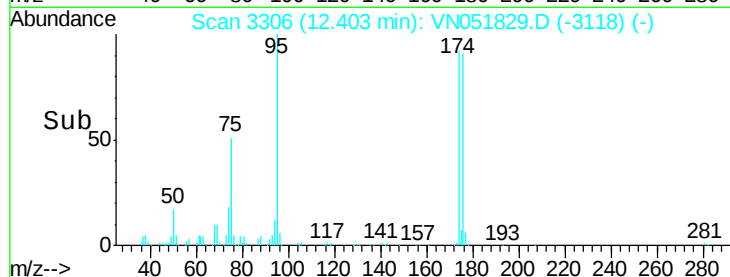
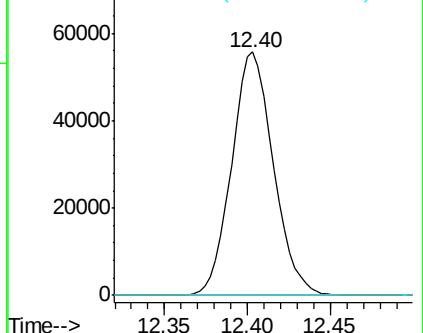
89 0.0 24.6 73.8#



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#89

1,2,4-Trichlorobenzene

Concen: 7.77 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051829.D

Acq: 12 Oct 2018 13:38

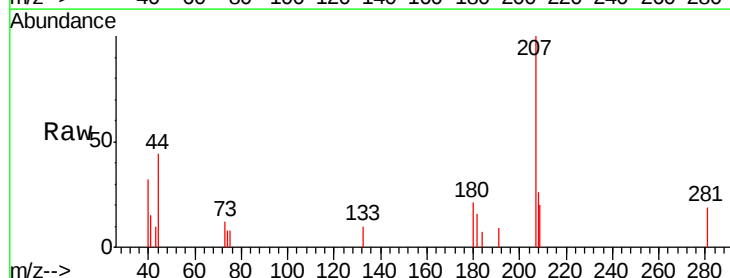
Tgt Ion: 180 Resp: 370

Ion Ratio Lower Upper

180 100

182 99.7 77.7 116.5

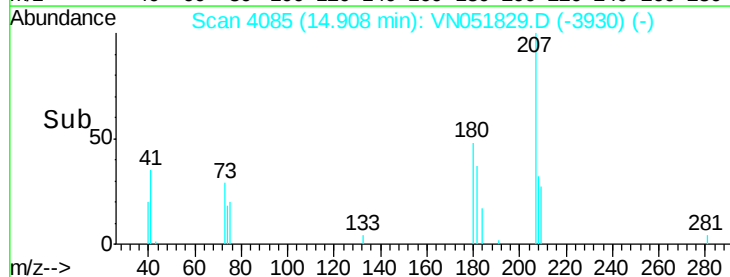
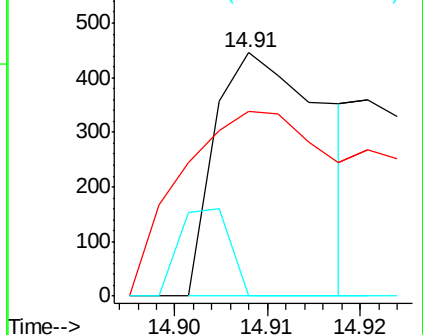
145 16.2 23.4 35.2#

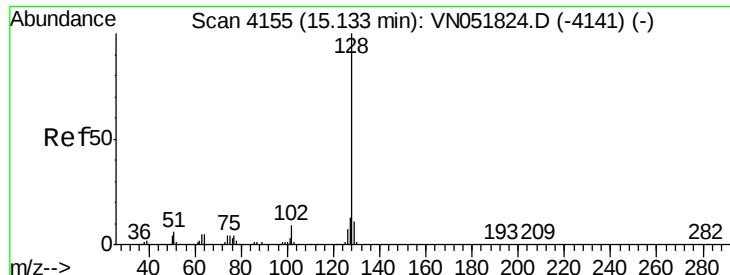


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#91

Naphthalene

Concen: 8.63 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051829.D

Acq: 12 Oct 2018 13:38

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBL01

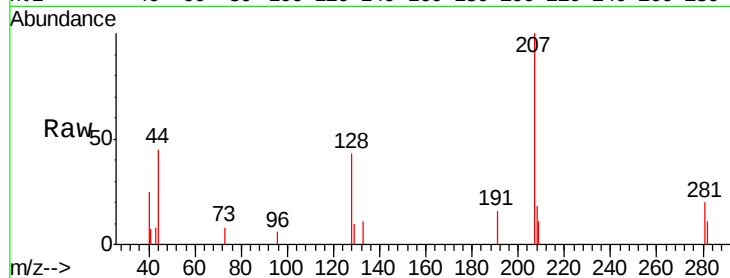
Tgt Ion:128 Resp: 1872

Ion Ratio Lower Upper

128 100

127 6.3 10.1 15.1#

129 7.3 8.4 12.6#



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

