

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091818\
 Data File : VN051290.D
 Acq On : 18 Sep 2018 12:09
 Operator : MD\SY
 Sample : J4907-17
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 18 14:37:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	96940	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	492173	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	400575	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	179074	28.95	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.50%
60) 4-Bromofluorobenzene	12.40	95	117219	19.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	65.60%
63) Toluene-d8	10.09	98	571338	30.59	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.97%

Target Compounds

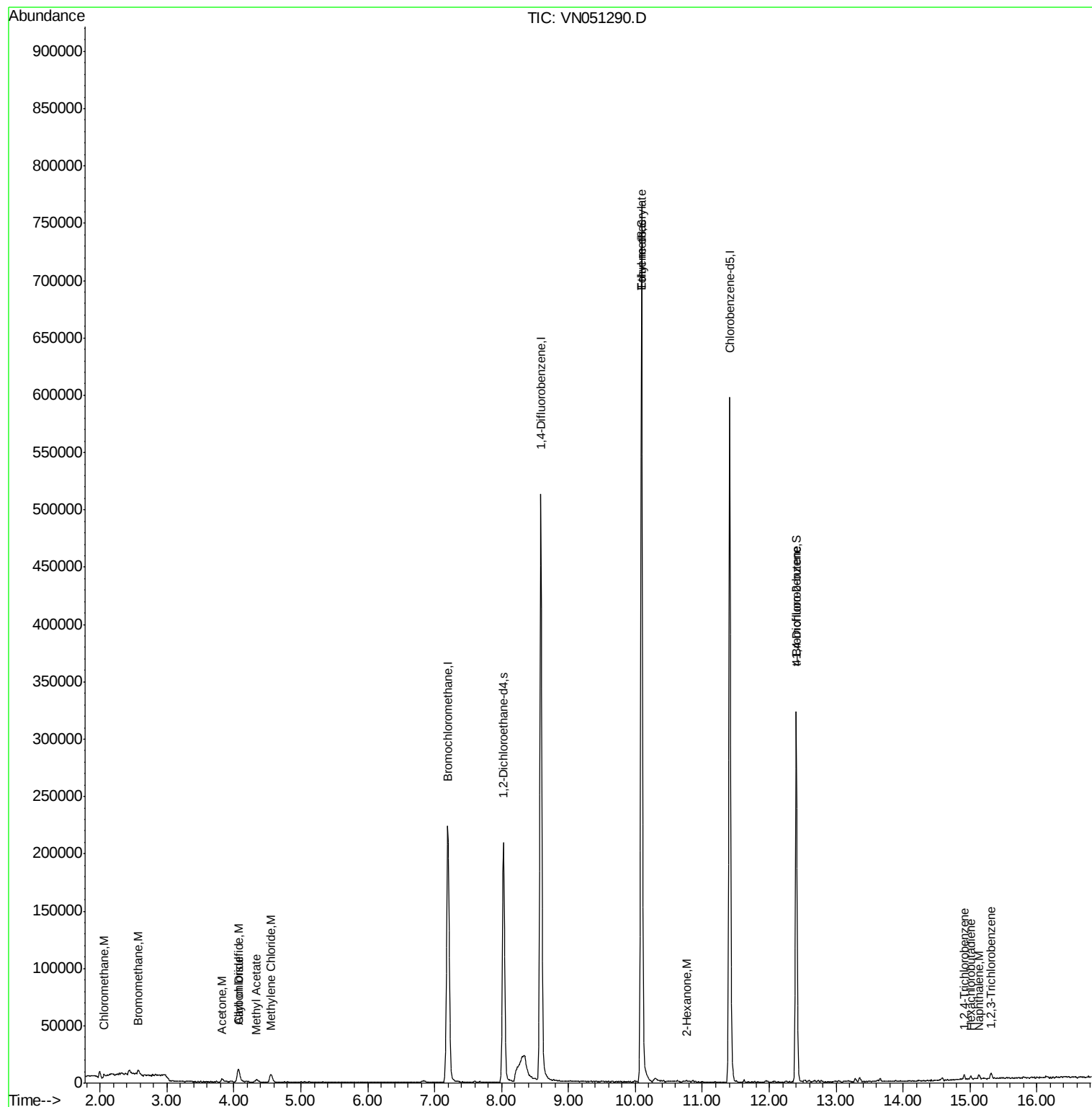
					Ovalue
3) Chloromethane	2.06	50	2243	0.316 ug/l	96
5) Bromomethane	2.57	94	2548	0.595 ug/l	94
12) Methyl Acetate	4.34	43	3720	0.614 ug/l	91
15) Acetone	3.82	58	543	1.036 ug/l #	53
16) Carbon Disulfide	4.06	76	3680	0.234 ug/l #	75
17) Allyl chloride	4.07	41	1851	0.225 ug/l #	24
18) Methylene Chloride	4.55	84	5530	0.899 ug/l	96
51) Ethyl methacrylate	10.09	69	1933	0.303 ug/l	83
59) 2-Hexanone	10.76	43	1211	0.404 ug/l #	45
77) t-1,4-Dichloro-2-butene	12.40	75	53814	35.759 ug/l #	13
89) 1,2,4-Trichlorobenzene	14.91	180	1830	0.415 ug/l	90
90) Hexachlorobutadiene	15.01	225	905	0.302 ug/l	82
91) Naphthalene	15.13	128	3551	8.836 ug/l #	93
92) 1,2,3-Trichlorobenzene	15.31	180	2305	0.521 ug/l	87

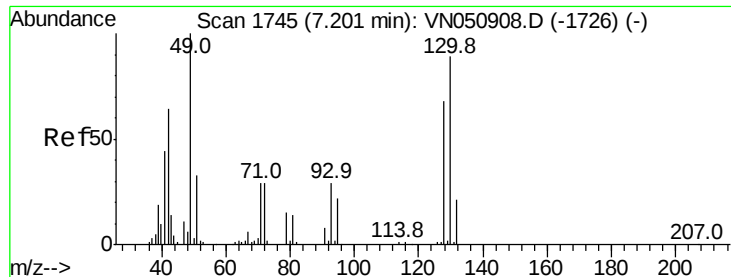
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091818\
Data File : VN051290.D
Acq On : 18 Sep 2018 12:09
Operator : MD\SY
Sample : J4907-17
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Sep 18 14:37:22 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 29 01:38:44 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: VN051290.D

Acq: 18 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

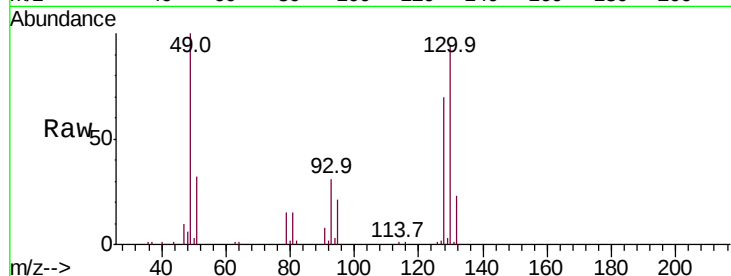
Tot Ion:128 Resp: 96940

Ion Ratio Lower Upper

128 100

49 140.2 0.0 380.3

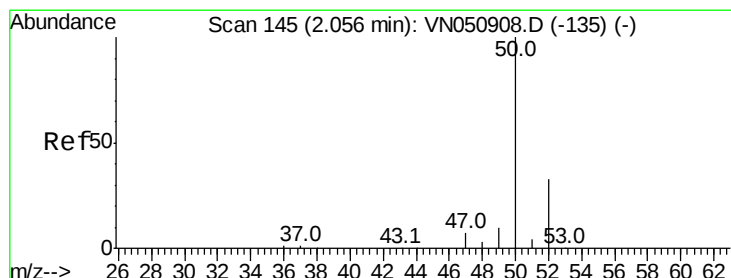
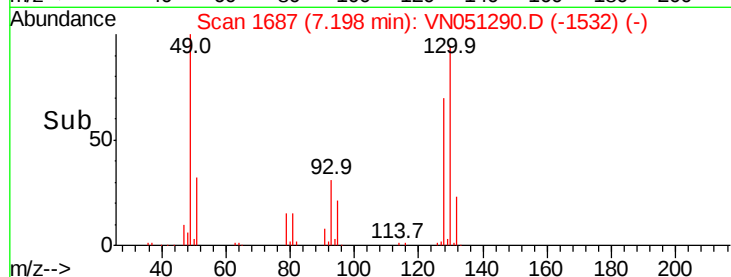
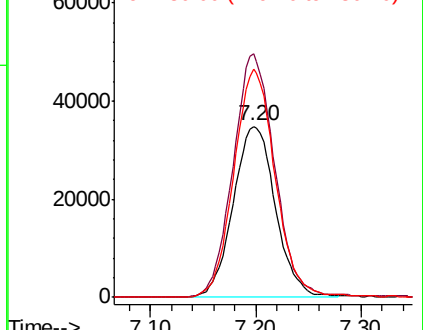
130 130.5 0.0 325.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.316 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051290.D

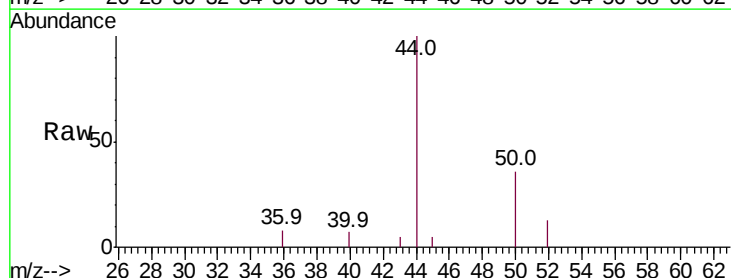
Acq: 18 Sep 2018 12:09

Tgt Ion: 50 Resp: 2243

Ion Ratio Lower Upper

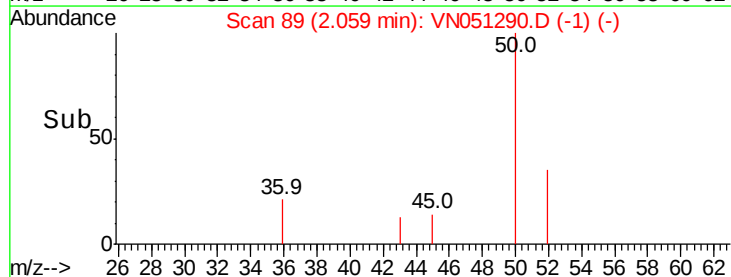
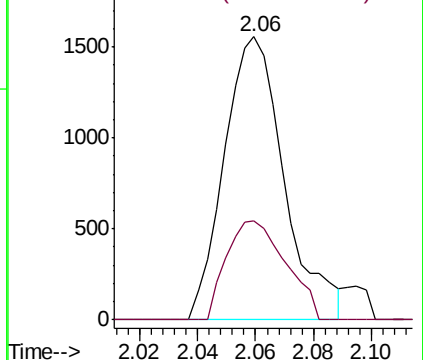
50 100

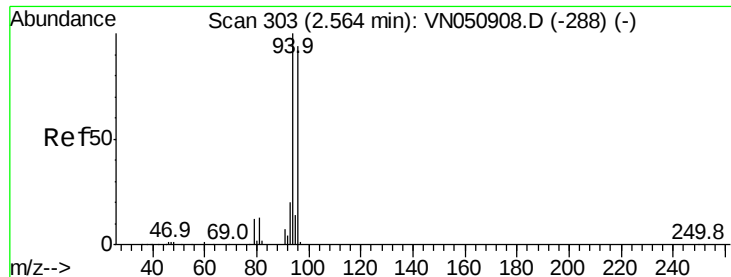
52 35.2 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO





#5

Bromomethane

Concen: 0.595 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

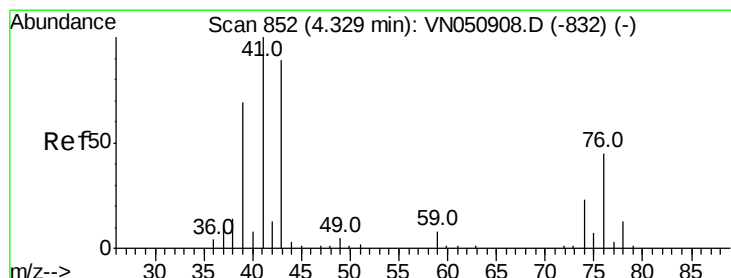
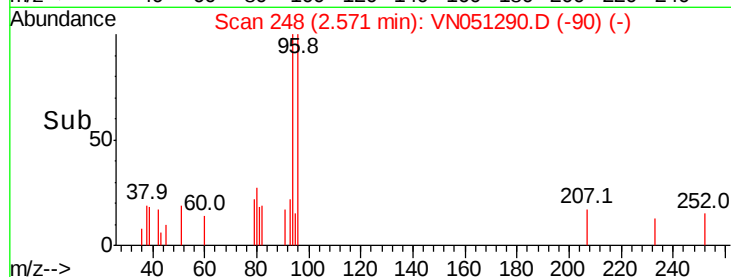
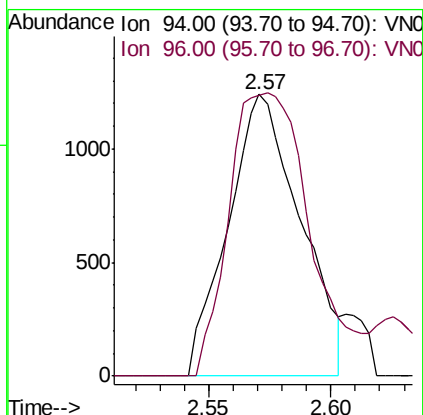
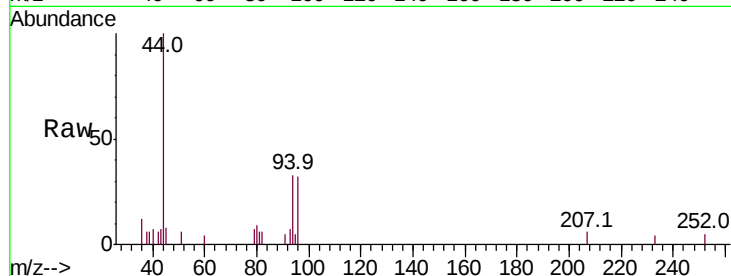
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 2548

Ion Ratio Lower Upper

94 100

96 99.6 74.9 112.3



#12

Methyl Acetate

Concen: 0.614 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051290.D

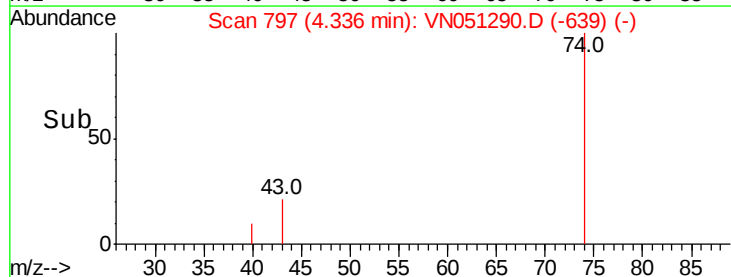
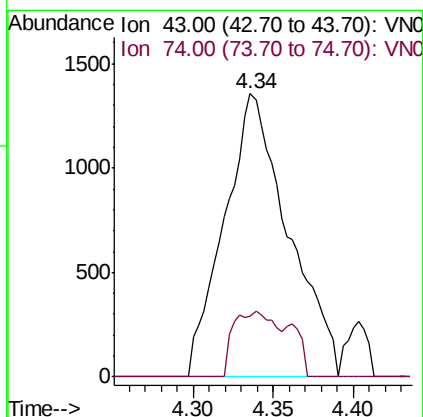
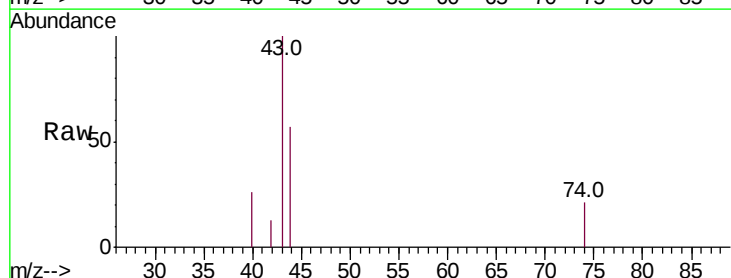
Acq: 18 Sep 2018 12:09

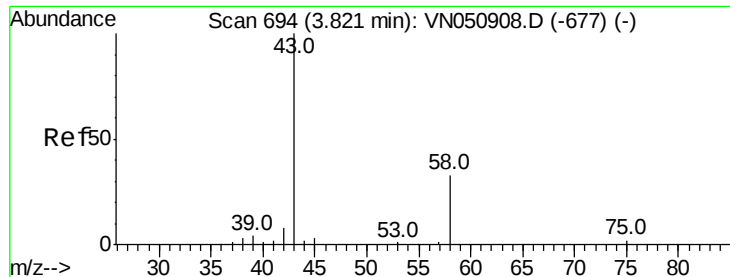
Tgt Ion: 43 Resp: 3720

Ion Ratio Lower Upper

43 100

74 21.3 20.6 31.0





#15

Acetone

Concen: 1.036 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

Instrument :

MSVOA_N

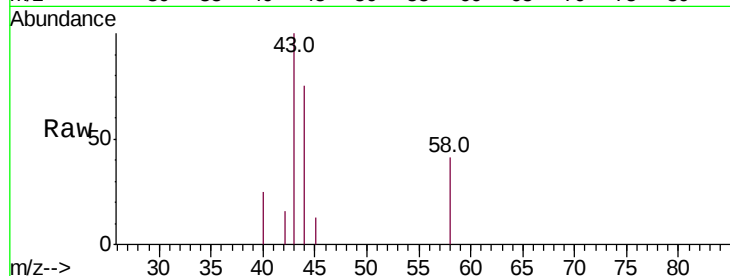
ClientSampled :

Tot Ion: 58 Resp: 543

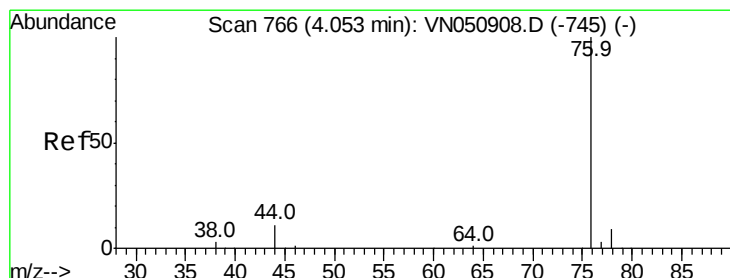
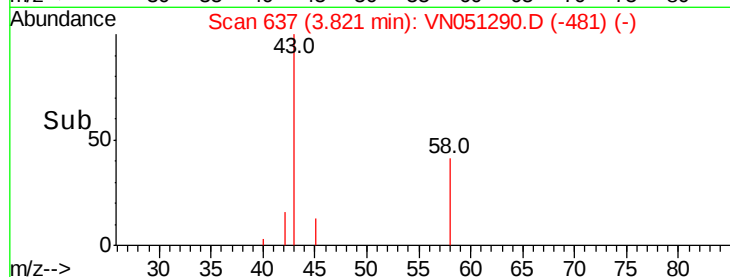
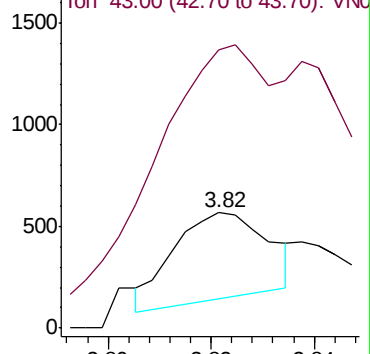
Ion Ratio Lower Upper

58 100

43 206.5 239.4 359.0#



Abundance Ion 58.00 (57.70 to 58.70): VN051290.D (-481) (-)



#16

Carbon Disulfide

Concen: 0.234 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051290.D

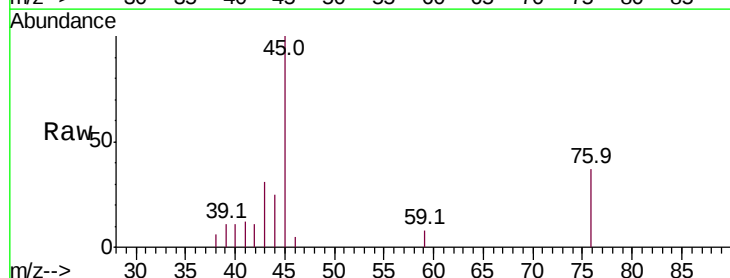
Acq: 18 Sep 2018 12:09

Tgt Ion: 76 Resp: 3680

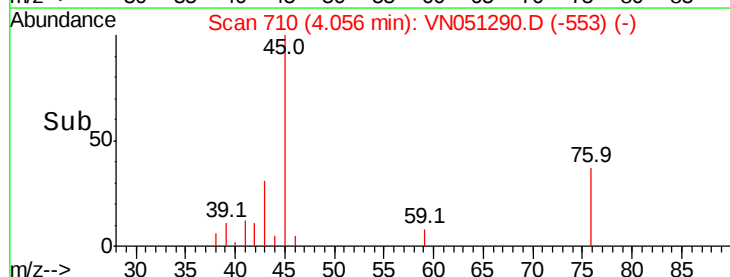
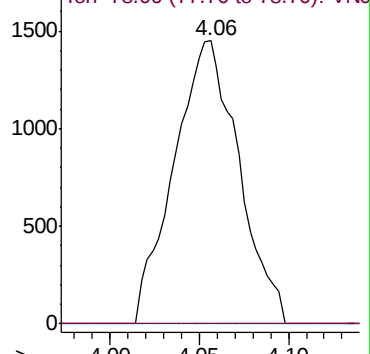
Ion Ratio Lower Upper

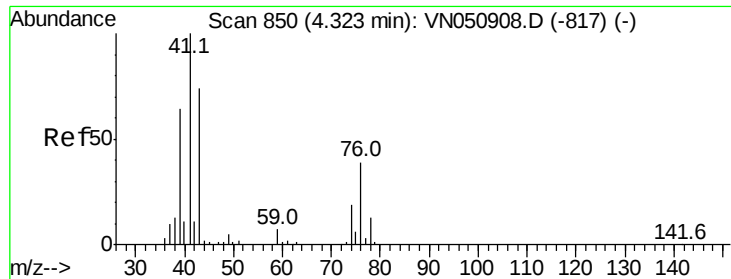
76 100

78 0.0 7.3 10.9#



Abundance Ion 76.00 (75.70 to 76.70): VN051290.D (-553) (-)

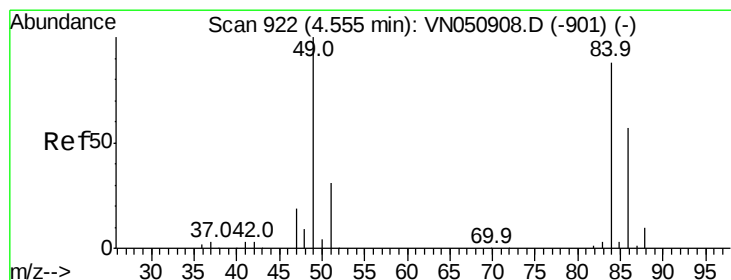
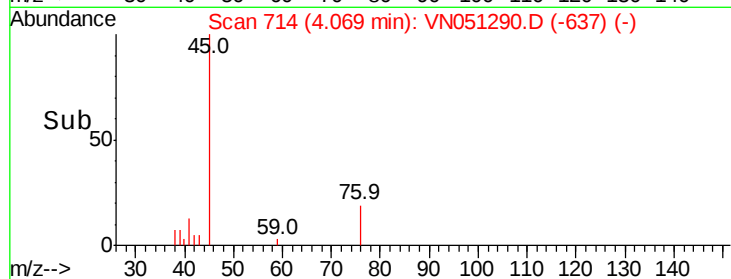
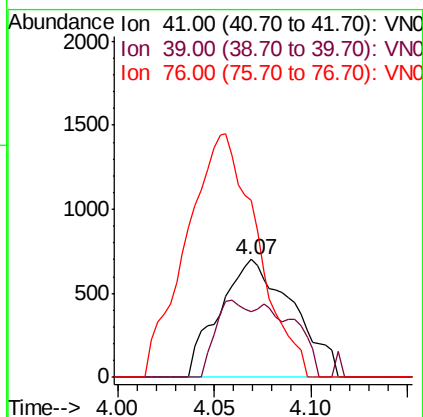
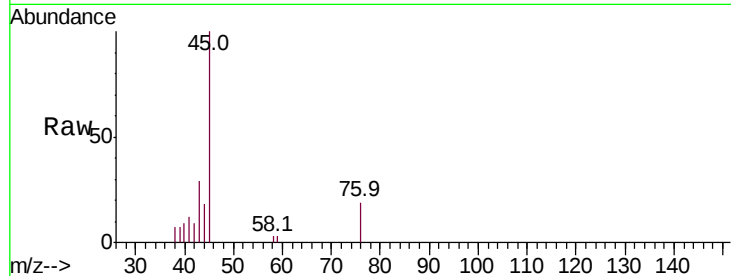




#17
Allvl chloride
Concen: 0.225 ug/l
RT: 4.07 min Scan# 714
Delta R.T. -0.25 min
Lab File: VN051290.D
Acq: 18 Sep 2018 12:09

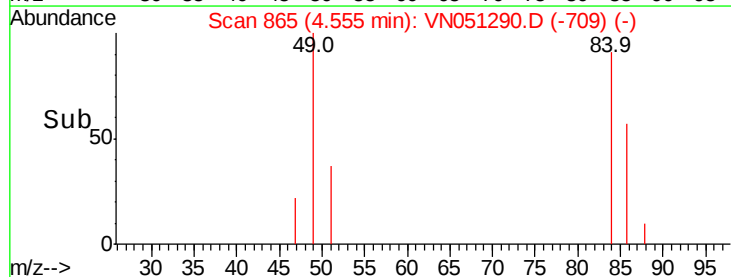
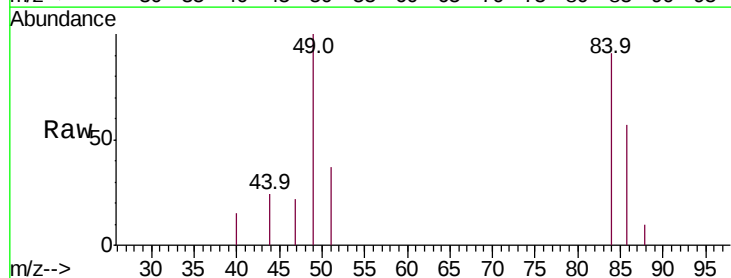
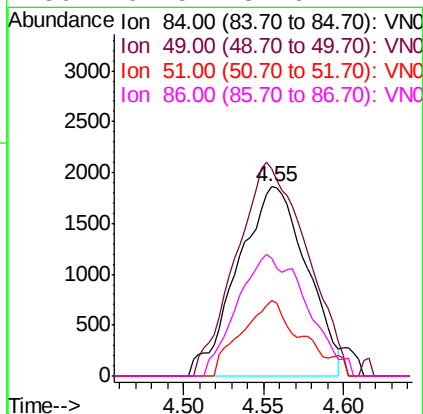
Instrument :
MSVOA_N
ClientSampleId :

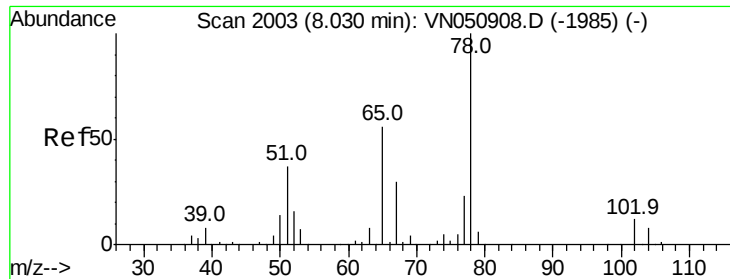
Tot Ion: 41 Resp: 1851
Ion Ratio Lower Upper
41 100
39 56.0 32.2 96.6
76 150.6 19.6 58.7#



#18
Methylene Chloride
Concen: 0.899 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051290.D
Acq: 18 Sep 2018 12:09

Tgt Ion: 84 Resp: 5530
Ion Ratio Lower Upper
84 100
49 109.8 90.6 135.8
51 40.2 28.4 42.6
86 62.5 51.6 77.4

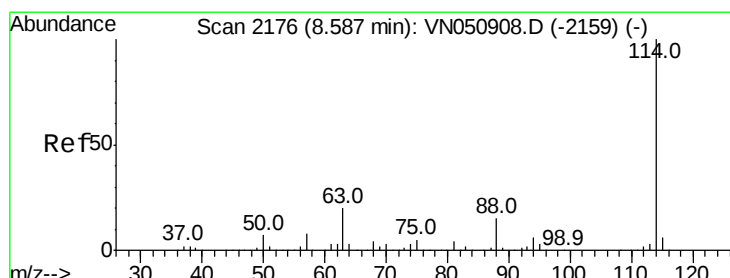
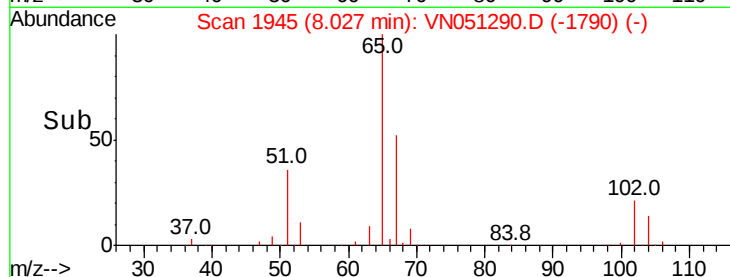
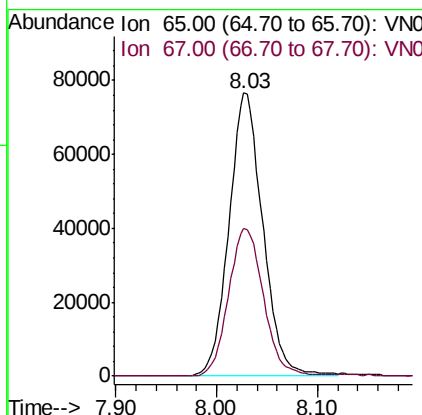
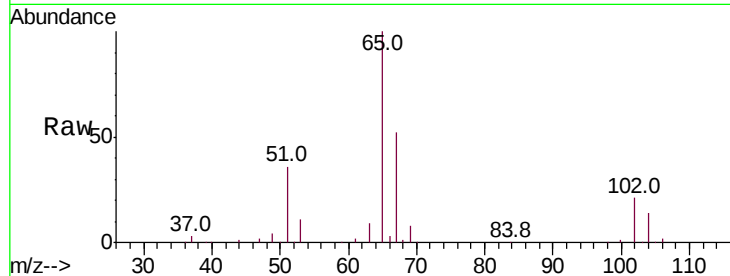




#27
 1,2-Dichloroethane-d4
 Concen: 28.948 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051290.D
 Acq: 18 Sep 2018 12:09

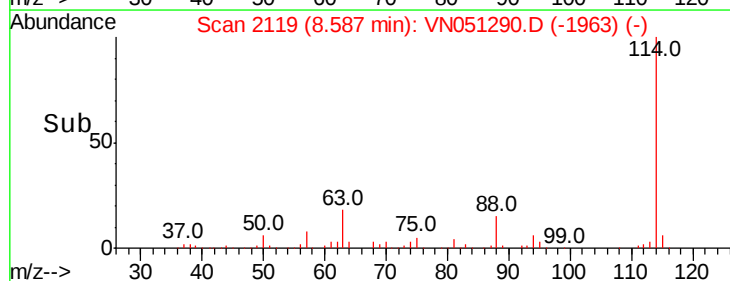
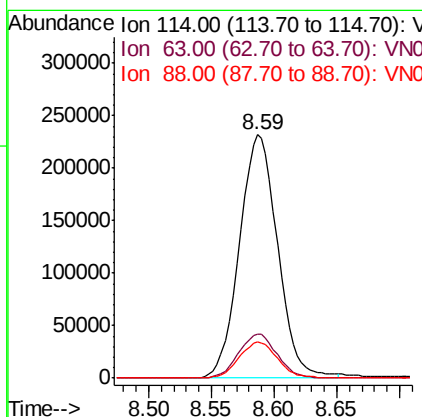
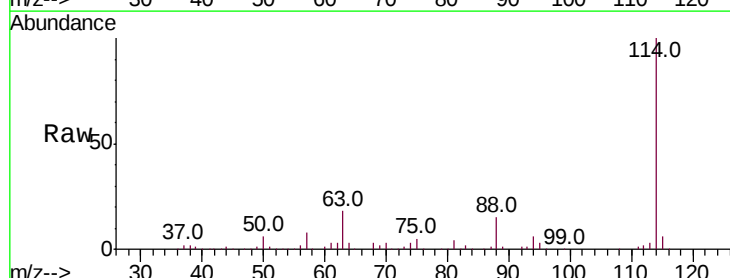
Instrument :
 MSVOA_N
 ClientSampled :

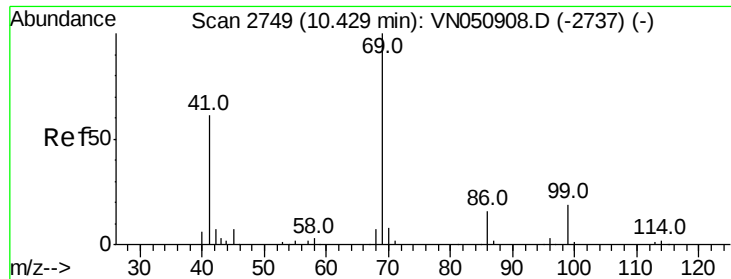
Tot Ion: 65 Resp: 179074
 Ion Ratio Lower Upper
 65 100
 67 53.8 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051290.D
 Acq: 18 Sep 2018 12:09

Tgt Ion:114 Resp: 492173
 Ion Ratio Lower Upper
 114 100
 63 18.2 15.6 23.4
 88 15.2 12.2 18.4





#51

Ethyl methacrylate

Concen: 0.303 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. -0.33 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampleId :

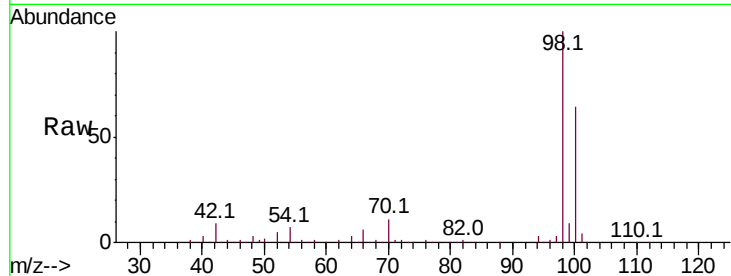
Tot Ion: 69 Resp: 1933

Ion Ratio Lower Upper

69 100

41 78.4 30.5 91.5

39 28.1 15.3 45.8

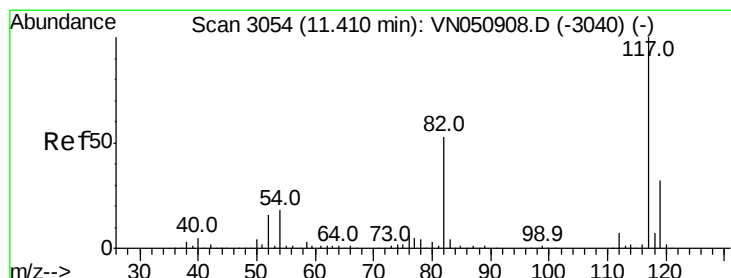
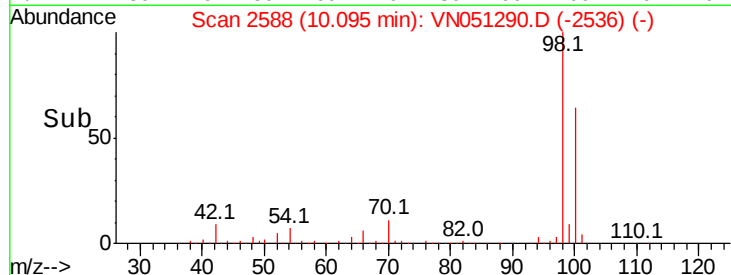
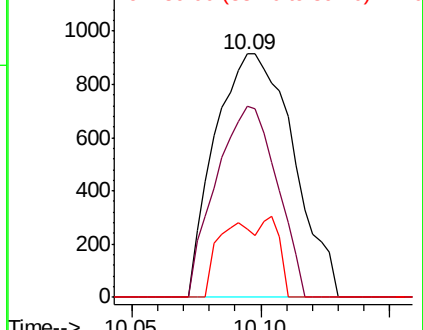


Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

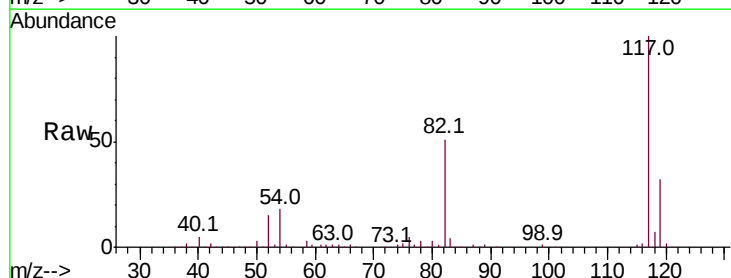
Tgt Ion: 117 Resp: 400575

Ion Ratio Lower Upper

117 100

82 52.3 42.6 64.0

119 32.0 25.7 38.5

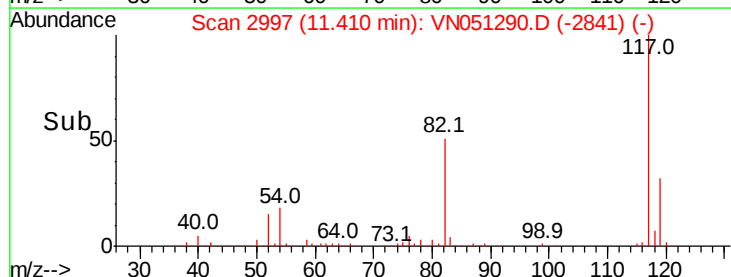
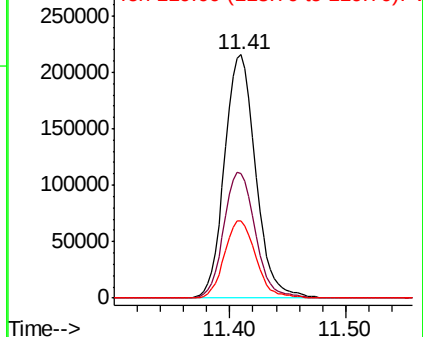


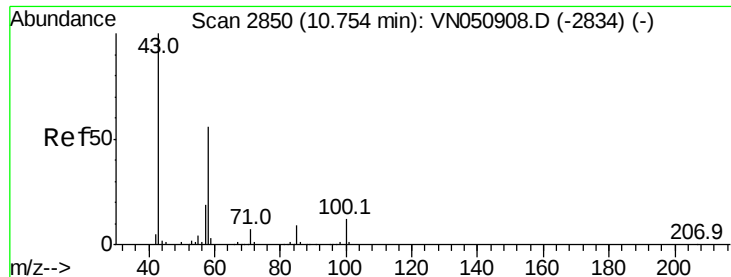
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 119.00 (118.70 to 119.70): V

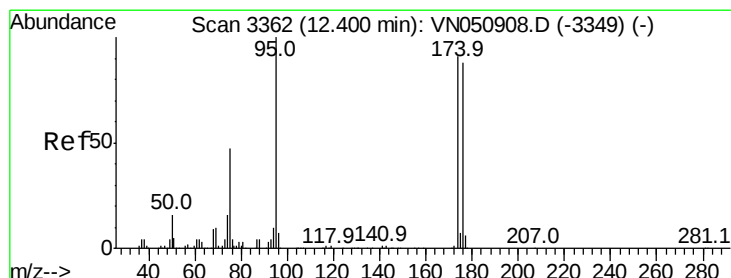
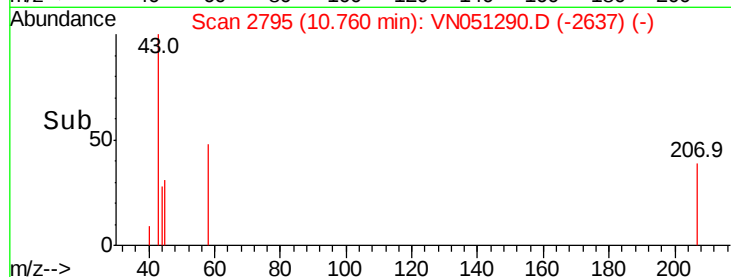
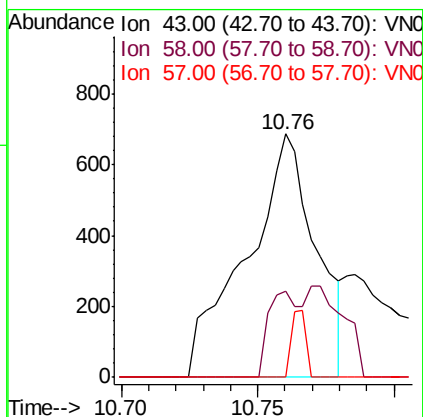
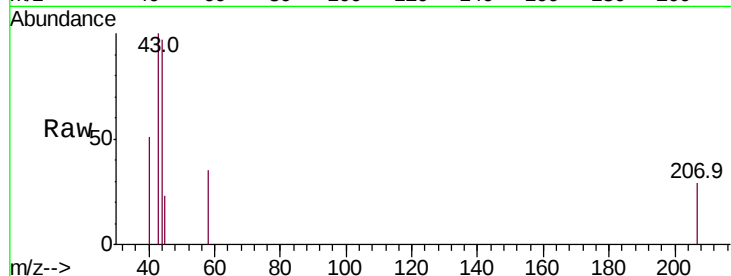




#59
2-Hexanone
Concen: 0.404 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN051290.D
Acq: 18 Sep 2018 12:09

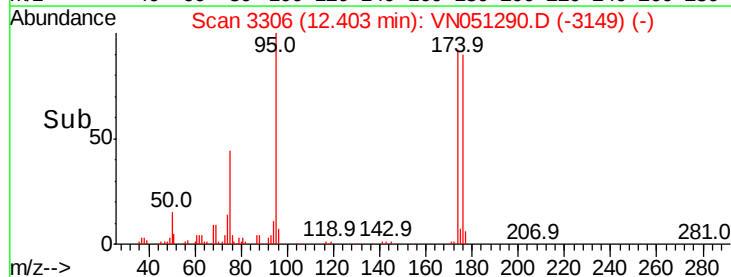
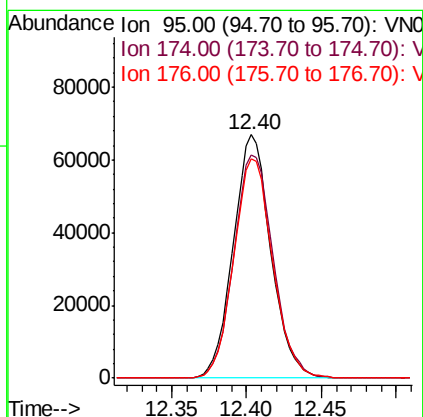
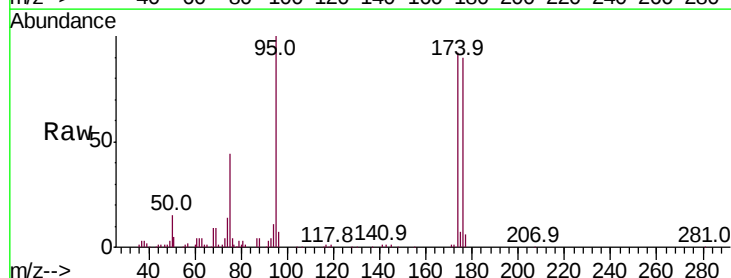
Instrument :
MSVOA_N
ClientSampleId :

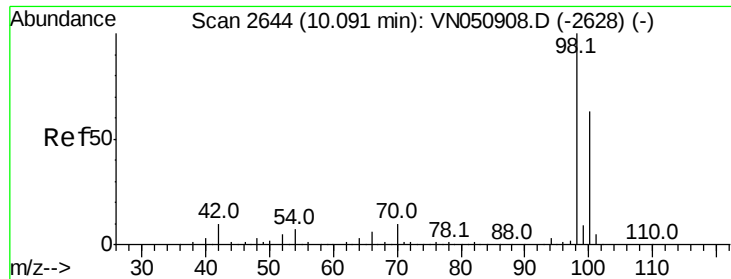
Tot Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
58 13.6 45.5 68.3#
57 0.0 15.2 22.8#



#60
4-Bromofluorobenzene
Concen: 19.679 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051290.D
Acq: 18 Sep 2018 12:09

Tgt Ion: 95 Resp: 117219
Ion Ratio Lower Upper
95 100
174 96.0 74.6 112.0
176 93.2 71.5 107.3





#63

Toluene-d8

Concen: 30.585 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

Instrument :

MSVOA_N

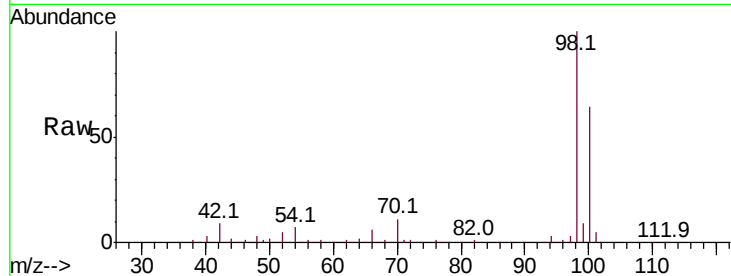
ClientSampleId :

Tot Ion: 98 Resp: 571338

Ion Ratio Lower Upper

98 100

100 63.1 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN050908.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN050908.D (-2628) (-)

10.09

300000

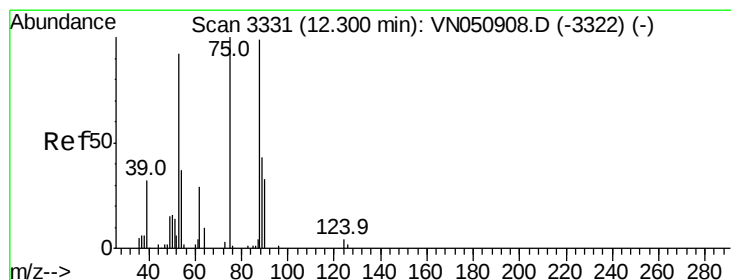
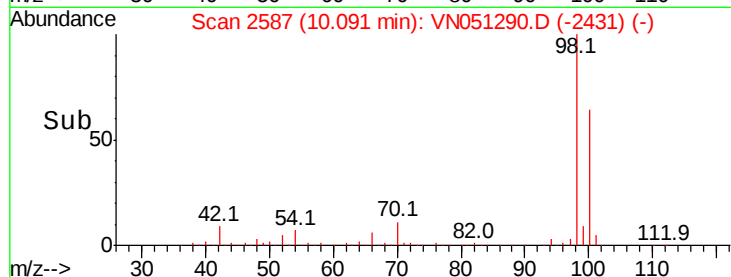
200000

100000

0

10.00 10.10 10.20

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 35.759 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

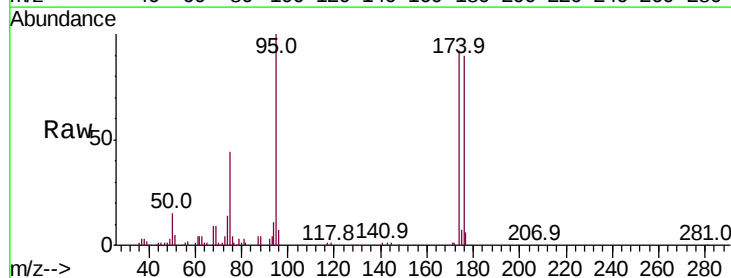
Tgt Ion: 75 Resp: 53814

Ion Ratio Lower Upper

75 100

53 0.0 45.5 136.4#

89 0.0 21.9 65.8#



Abundance Ion 75.00 (74.70 to 75.70): VN050908.D (-3322) (-)

Ion 53.00 (52.70 to 53.70): VN050908.D (-3322) (-)

Ion 89.00 (88.70 to 89.70): VN050908.D (-3322) (-)

12.40

40000

30000

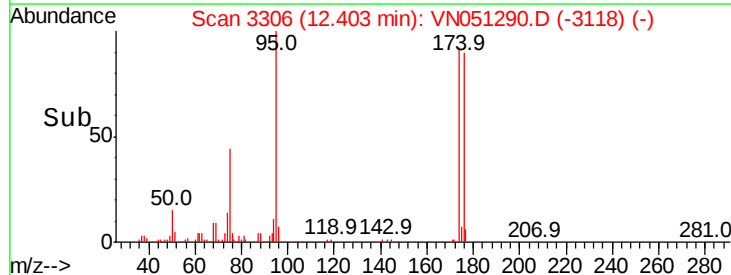
20000

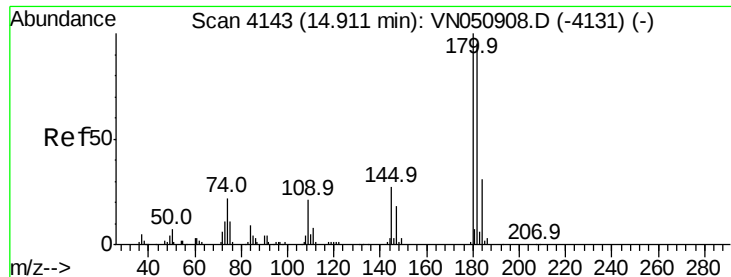
10000

0

12.35 12.40 12.45

Time-->

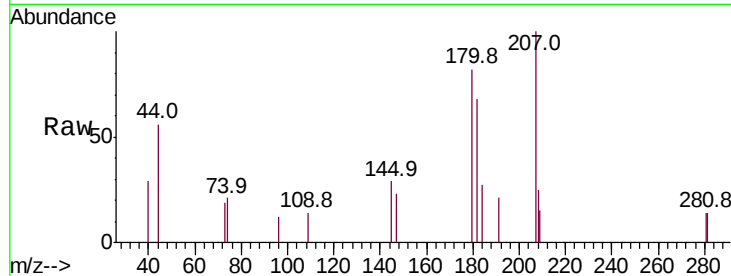




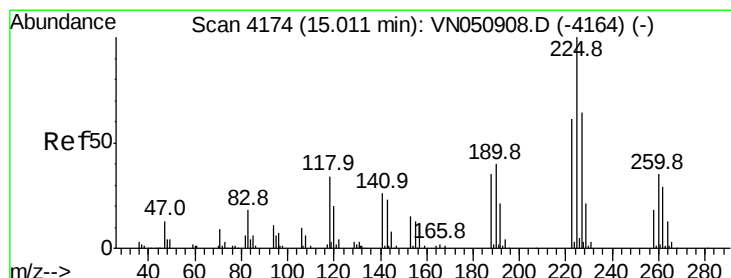
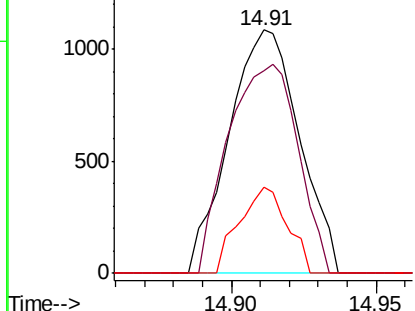
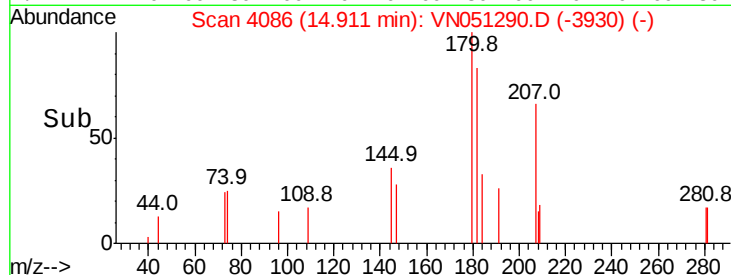
#89
 1,2,4-Trichlorobenzene
 Concen: 0.415 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051290.D
 Acq: 18 Sep 2018 12:09

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1830
 Ion Ratio Lower Upper
 180 100
 182 85.2 76.2 114.4
 145 24.1 22.2 33.4

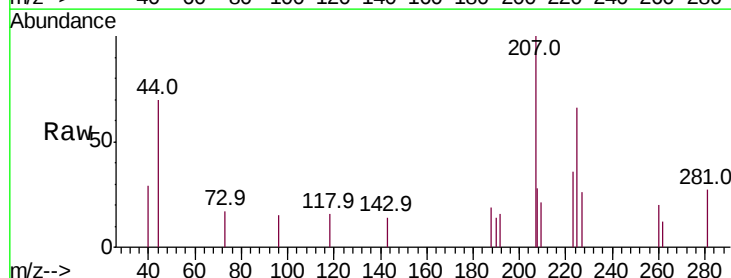


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

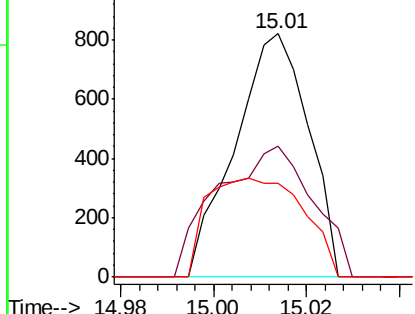
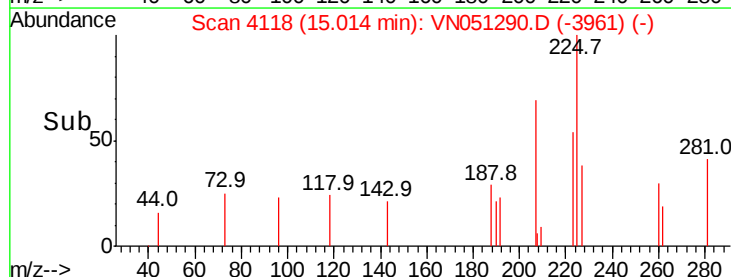


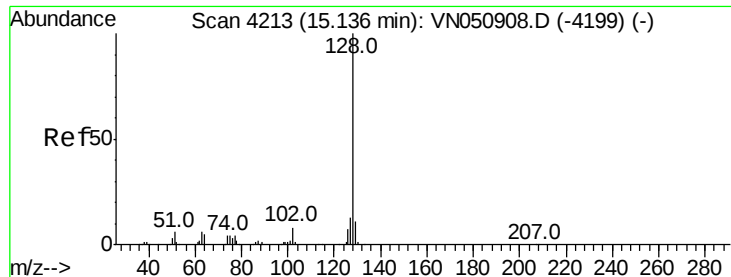
#90
 Hexachlorobutadiene
 Concen: 0.302 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN051290.D
 Acq: 18 Sep 2018 12:09

Tgt Ion:225 Resp: 905
 Ion Ratio Lower Upper
 225 100
 223 47.4 0.0 127.8
 227 53.1 0.0 128.4



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 8.836 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

Instrument :

MSVOA_N

ClientSampled :

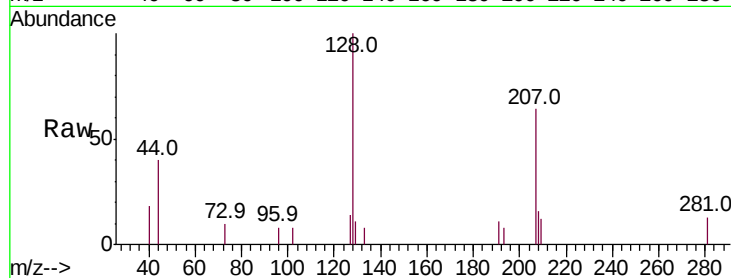
Tot Ion:128 Resp: 3551

Ion Ratio Lower Upper

128 100

127 11.7 10.6 16.0

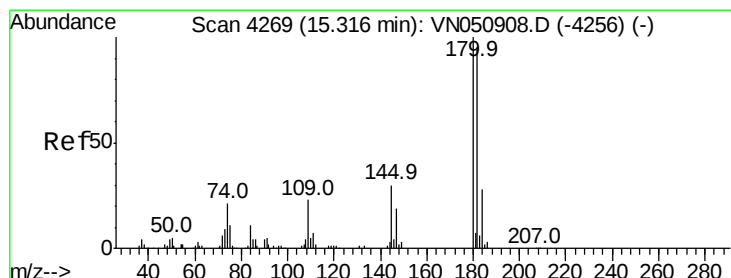
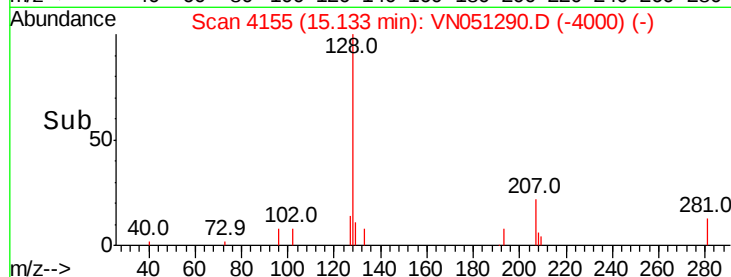
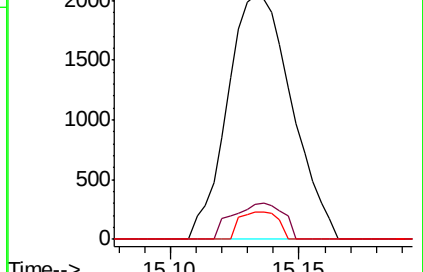
129 6.7 8.7 13.1#



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: 0.521 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051290.D

Acq: 18 Sep 2018 12:09

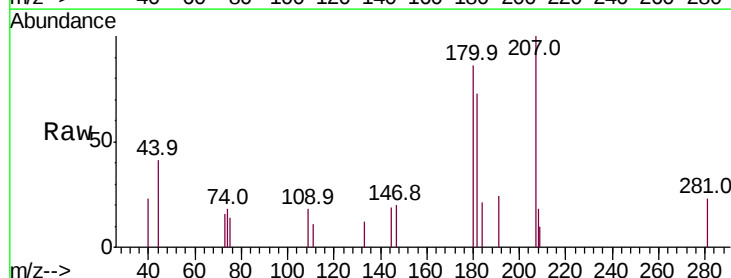
Tgt Ion:180 Resp: 2305

Ion Ratio Lower Upper

180 100

182 88.4 0.0 192.8

145 15.3 0.0 60.0



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

