

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN010518\
 Data File : VN046333.D
 Acq On : 5 Jan 2018 17:11
 Operator : MD\SY
 Sample : I1045-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 05 17:35:36 2018
 Quant Method : W:\HPCHEM1\MSVOA N\METHODS\624N121917W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 19 04:09:09 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	160173	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	750480	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	692591	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	386743	32.17	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	107.23%
60) 4-Bromofluorobenzene	12.41	95	246948	23.06	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	76.87%
63) Toluene-d8	10.09	98	922780	28.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	93.80%

Target Compounds

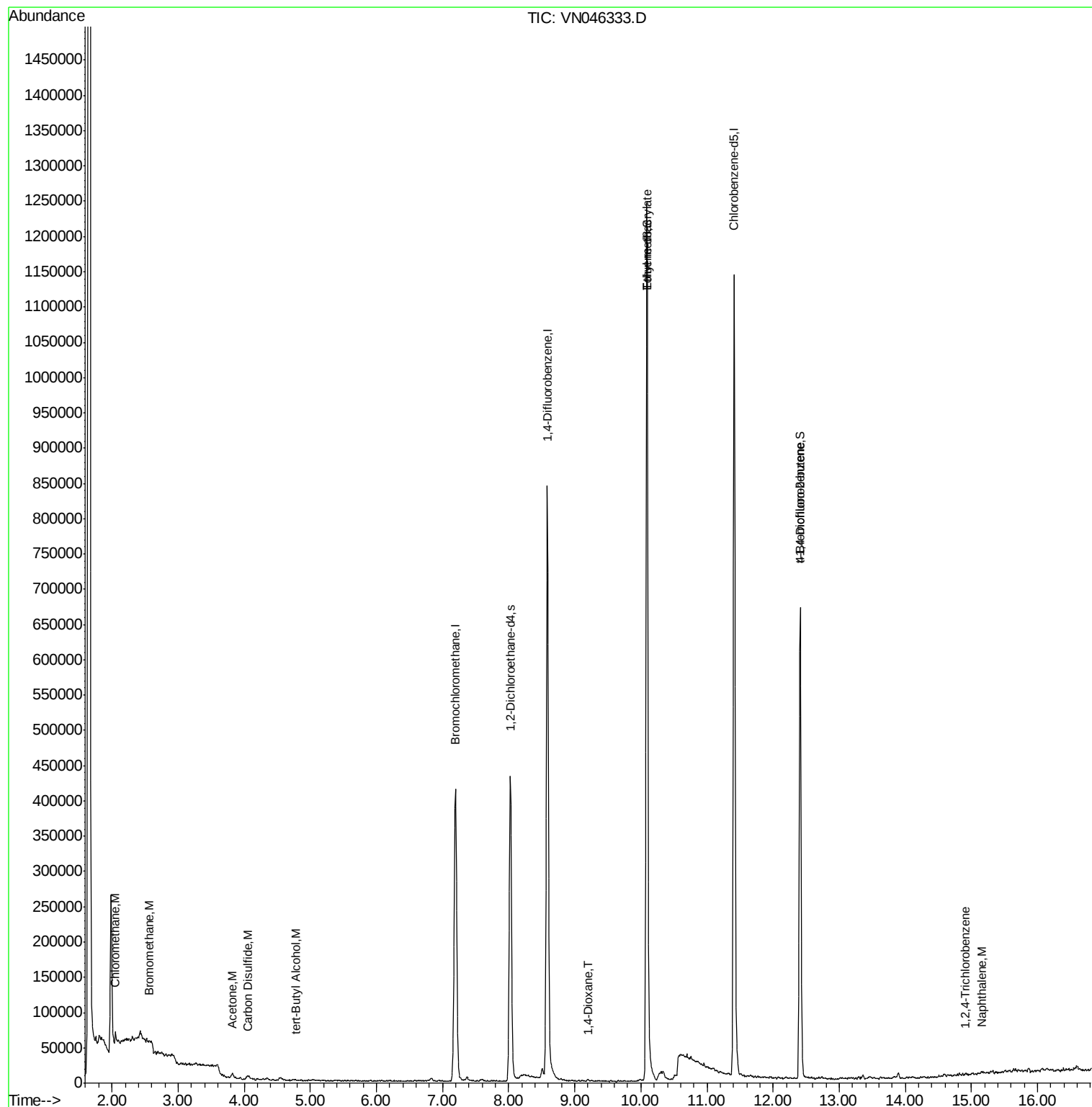
					Ovalue	
3) Chloromethane	2.05	50	13448	0.855	ug/l	99
5) Bromomethane	2.57	94	1447	0.213	ug/l	92
15) Acetone	3.82	58	2155	1.869	ug/l #	47
16) Carbon Disulfide	4.05	76	5381	0.211	ug/l	95
23) tert-Butyl Alcohol	4.77	59	527	0.626	ug/l #	100
45) 1,4-Dioxane	9.19	88	611	5.689	ug/l #	1
51) Ethyl methacrylate	10.09	69	3625	0.305	ug/l	90
77) t-1,4-Dichloro-2-butene	12.41	75	126412	42.097	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.92	180	453	6.011	ug/l #	12
91) Naphthalene	15.15	128	1158	6.832	ug/l #	69

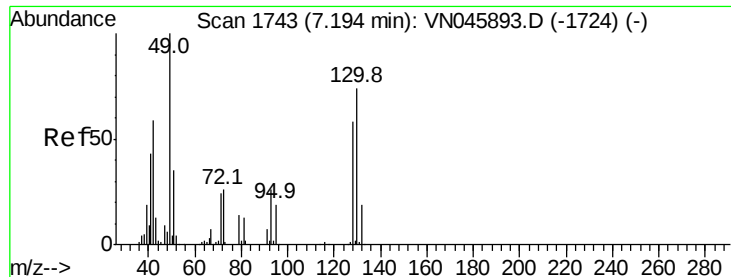
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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Quant Method : W:\HPCHEM1\MSVOA N\METHODS\624N121917W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 19 04:09:09 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

Instrument :
MSVOA_N
ClientSampled :

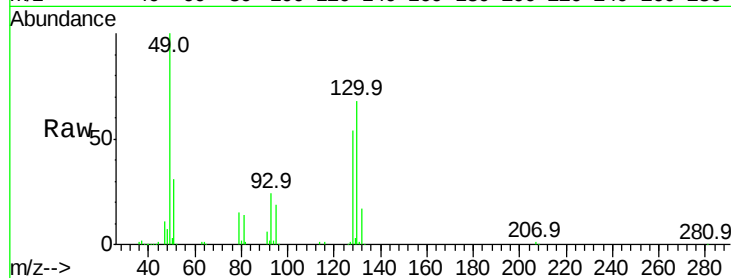
Tot Ion:128 Resp: 160173

Ion Ratio Lower Upper

128 100

49 182.2 0.0 442.2

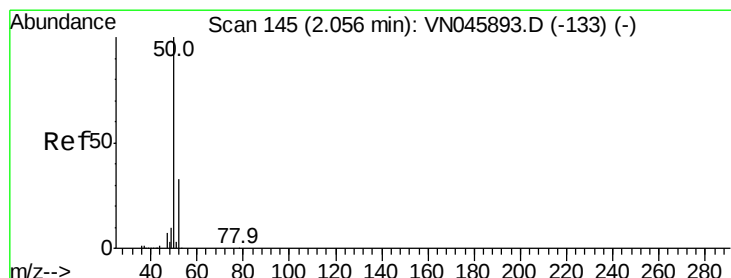
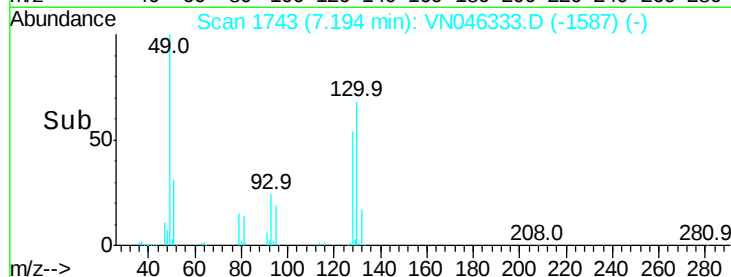
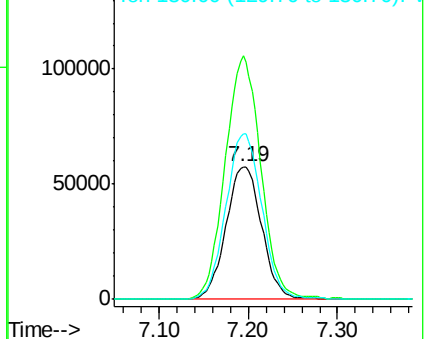
130 125.6 0.0 322.8



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



#3

Chloromethane

Concen: 0.855 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN046333.D

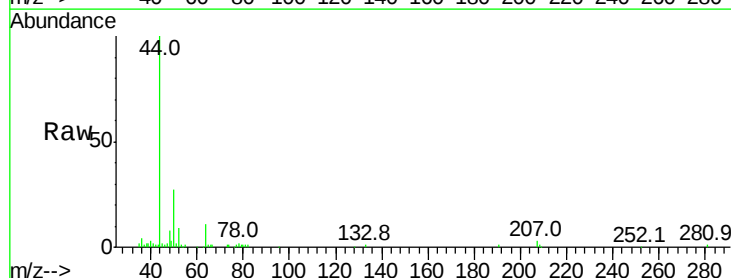
Acq: 5 Jan 2018 17:11

Tgt Ion: 50 Resp: 13448

Ion Ratio Lower Upper

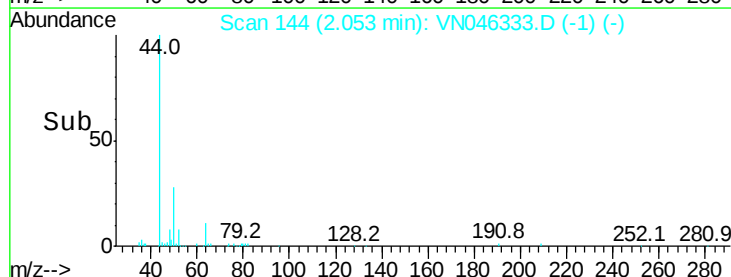
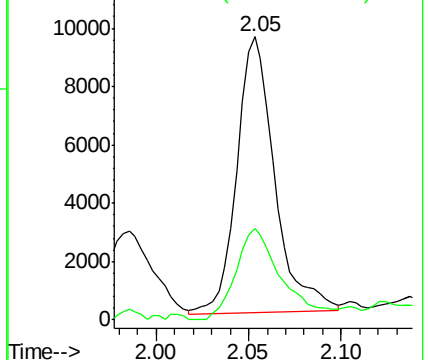
50 100

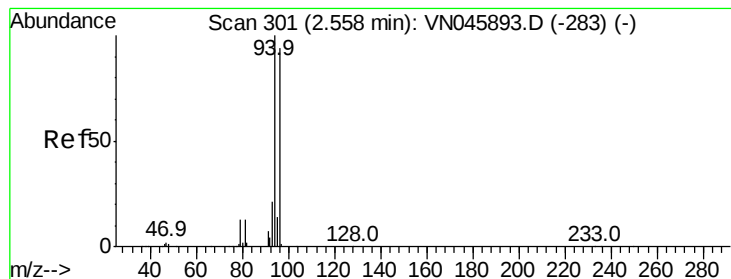
52 33.4 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.213 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.02 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

Instrument :

MSVOA_N

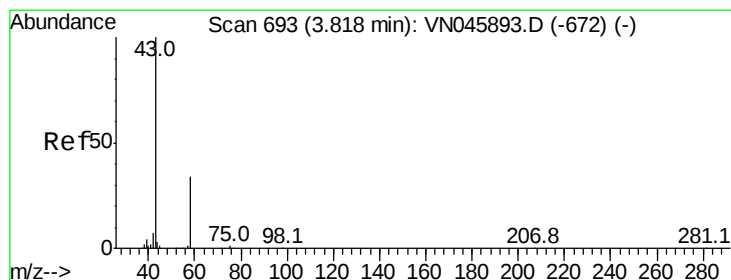
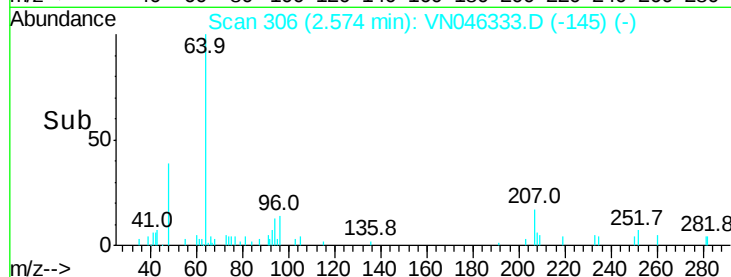
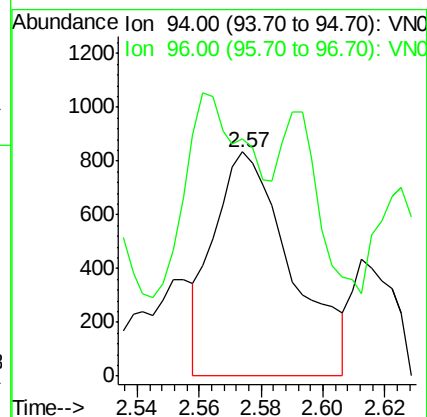
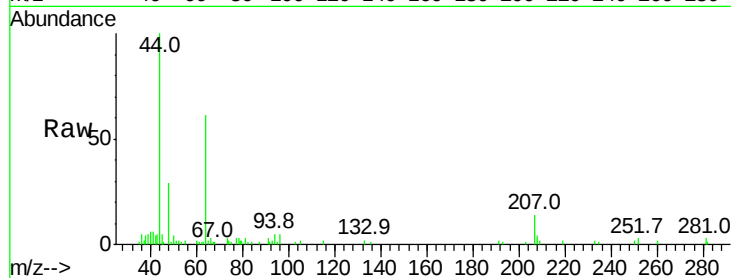
ClientSampled :

Tot Ion: 94 Resp: 1447

Ion Ratio Lower Upper

94 100

96 86.3 74.8 112.2



#15

Acetone

Concen: 1.869 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN046333.D

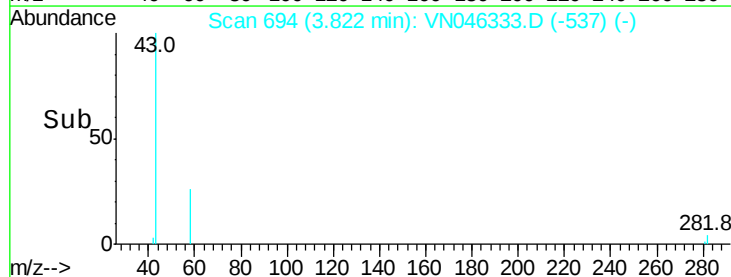
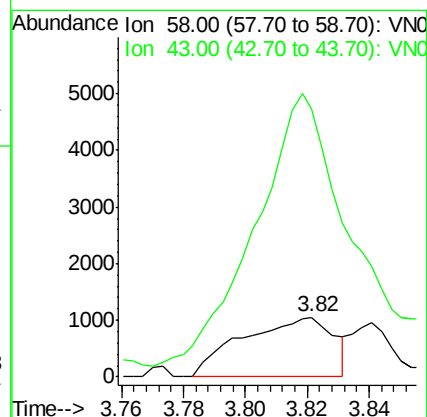
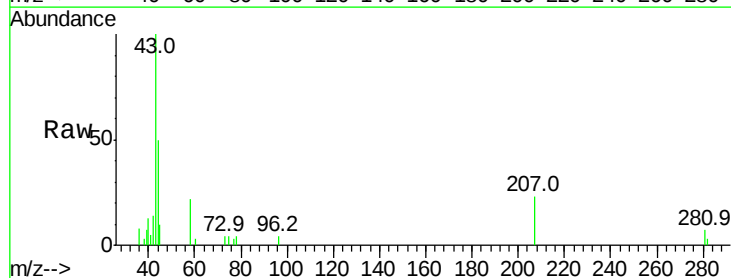
Acq: 5 Jan 2018 17:11

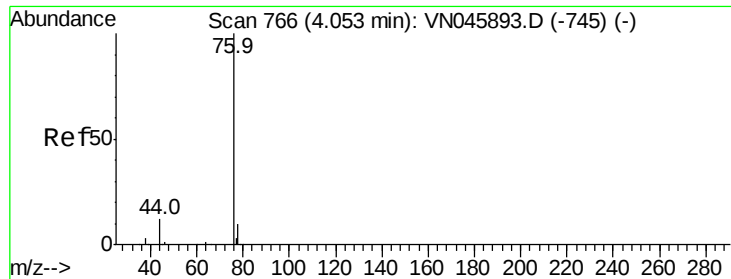
Tgt Ion: 58 Resp: 2155

Ion Ratio Lower Upper

58 100

43 395.4 235.0 352.6#

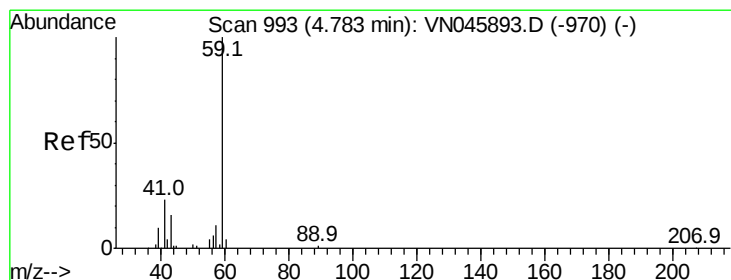
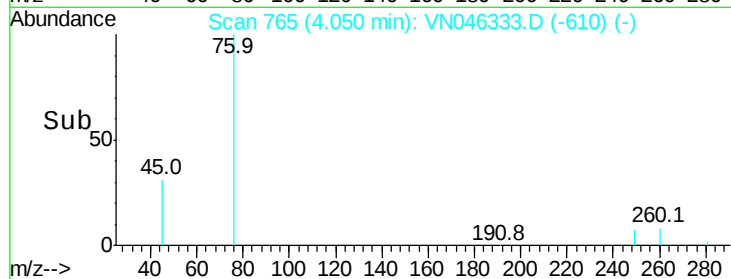
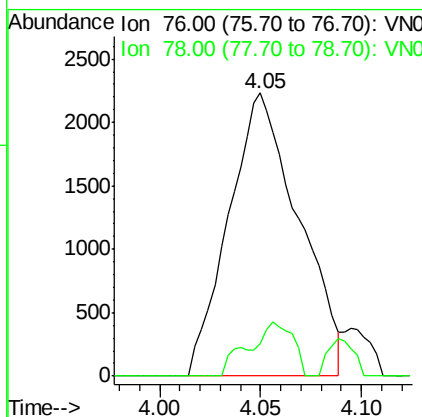
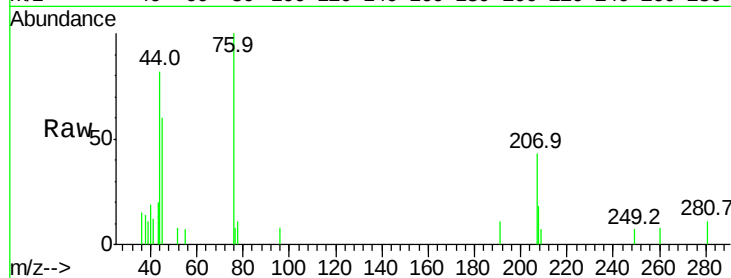




#16
Carbon Disulfide
Concen: 0.211 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN046333.D
Acq: 5 Jan 2018 17:11

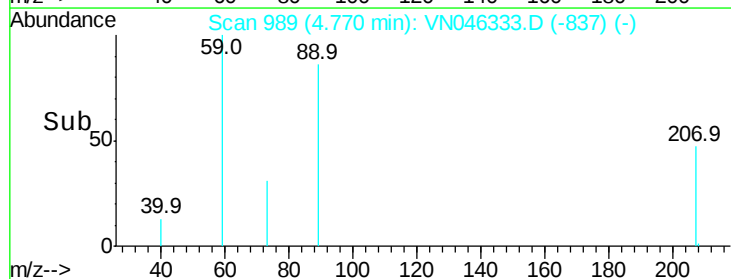
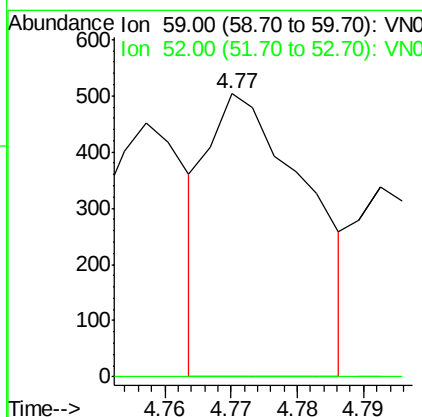
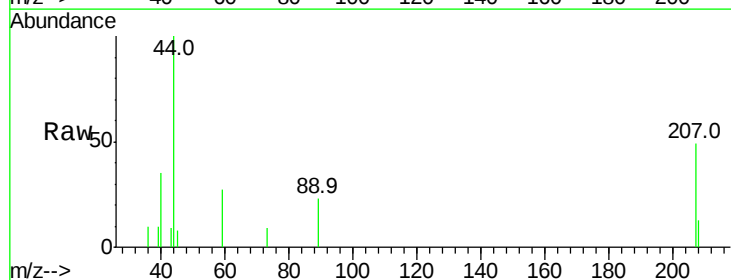
Instrument :
MSVOA_N
ClientSampleId :

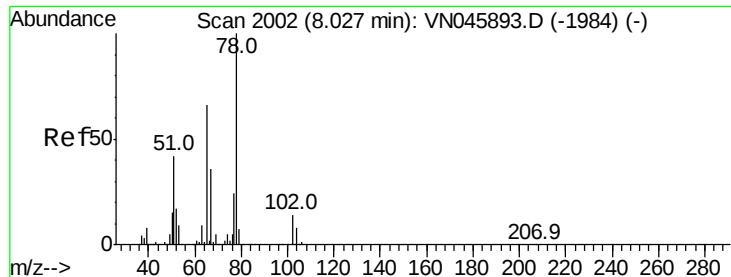
Tot Ion: 76 Resp: 5381
Ion Ratio Lower Upper
76 100
78 11.3 7.7 11.5



#23
tert-Butyl Alcohol
Concen: 0.626 ug/l
RT: 4.77 min Scan# 989
Delta R.T. -0.01 min
Lab File: VN046333.D
Acq: 5 Jan 2018 17:11

Tgt Ion: 59 Resp: 527
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 32.166 ug/l

RT: 8.02 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

Instrument :

MSVOA_N

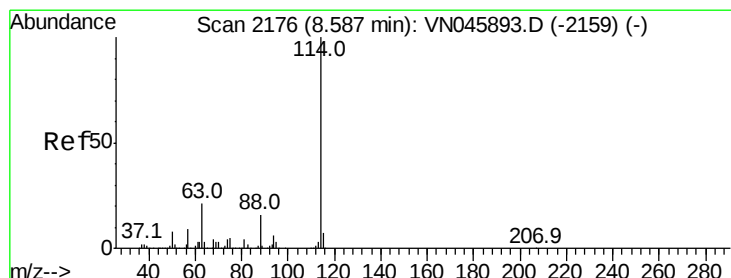
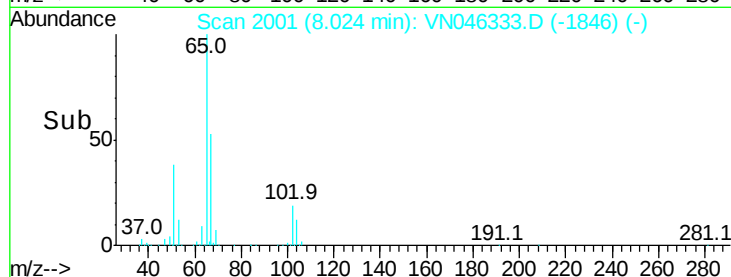
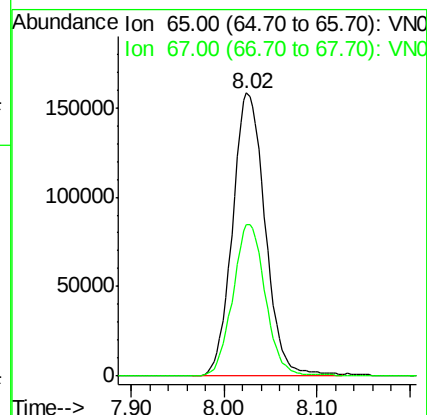
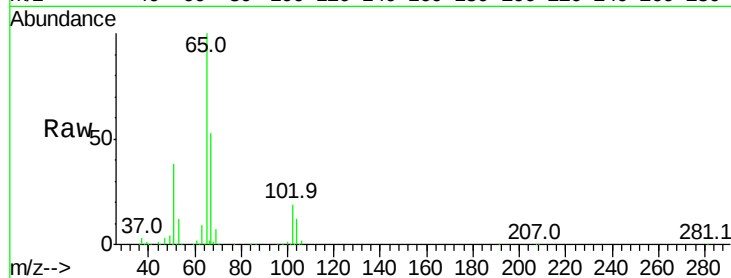
ClientSampleId :

Tot Ion: 65 Resp: 386743

Ion Ratio Lower Upper

65 100

67 52.9 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

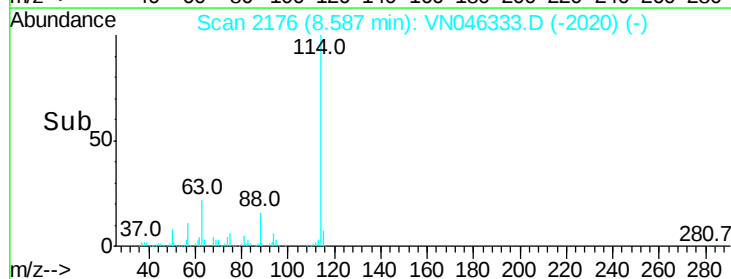
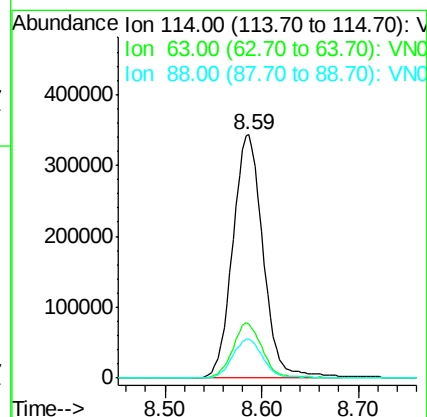
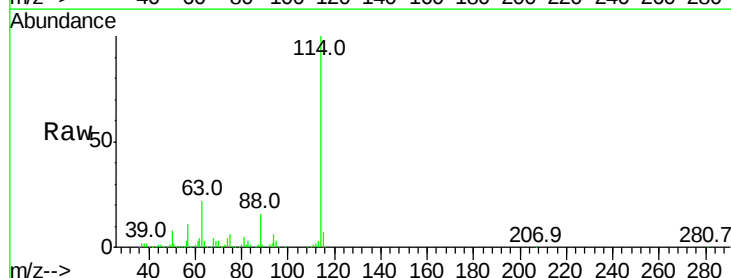
Tgt Ion: 114 Resp: 750480

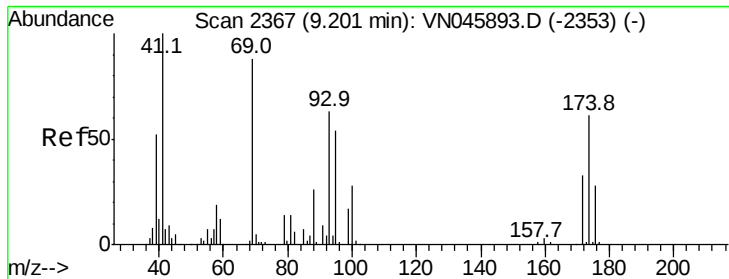
Ion Ratio Lower Upper

114 100

63 21.7 16.7 25.1

88 15.8 12.7 19.1





#45

1,4-Dioxane

Concen: 5.689 ug/l

RT: 9.19 min Scan# 2365

Delta R.T. -0.01 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

Instrument :
MSVOA_N
ClientSampled :

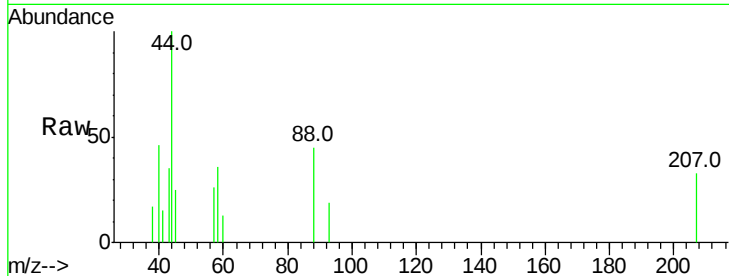
Tot Ion: 88 Resp: 611

Ion Ratio Lower Upper

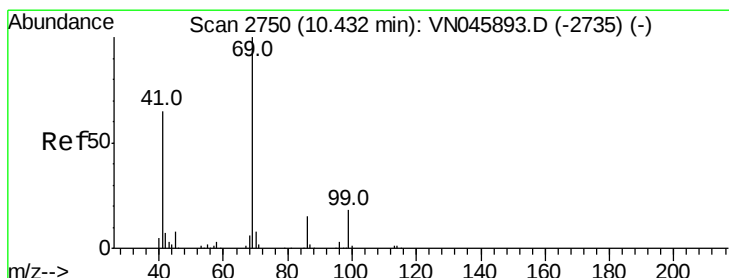
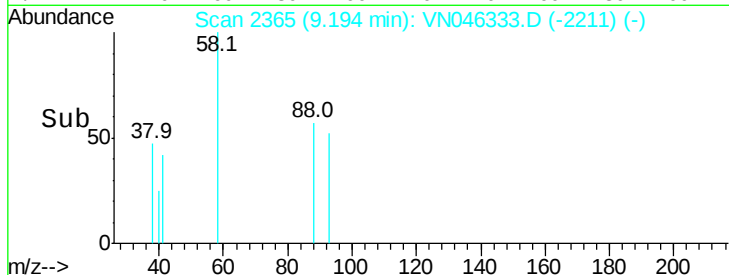
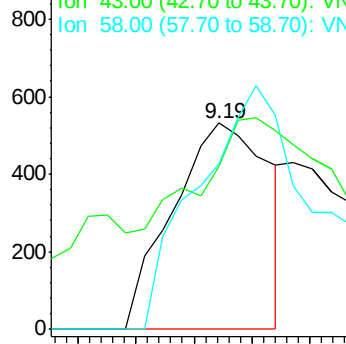
88 100

43 122.7 27.3 40.9#

58 142.6 60.2 90.4#



Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0



#51

Ethyl methacrylate

Concen: 0.305 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. -0.34 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

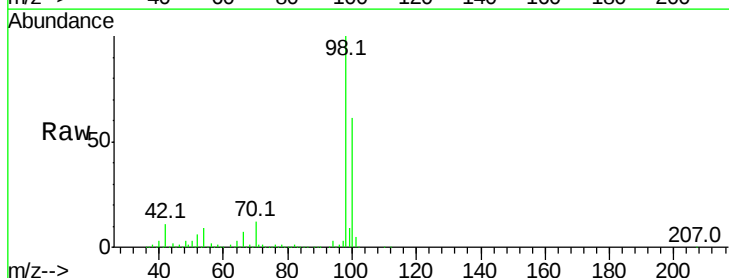
Tgt Ion: 69 Resp: 3625

Ion Ratio Lower Upper

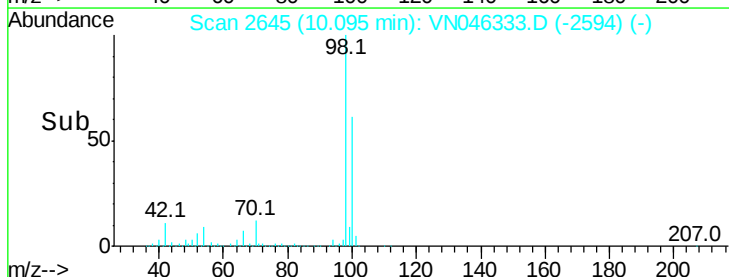
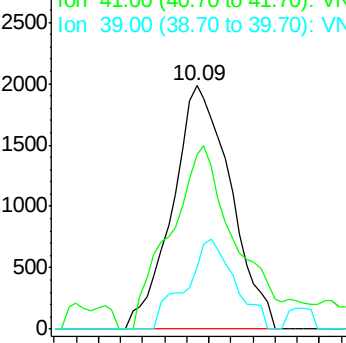
69 100

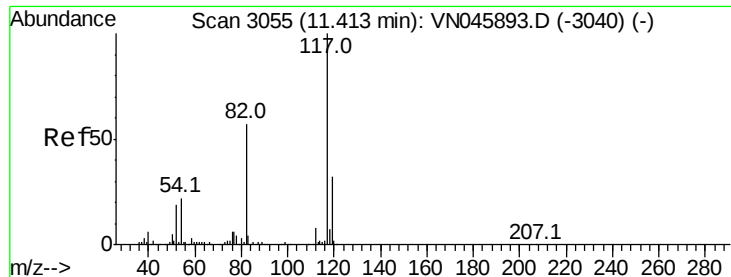
41 71.8 32.4 97.2

39 25.5 15.8 47.3



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

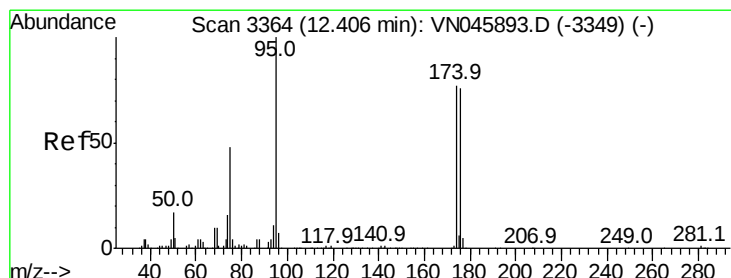
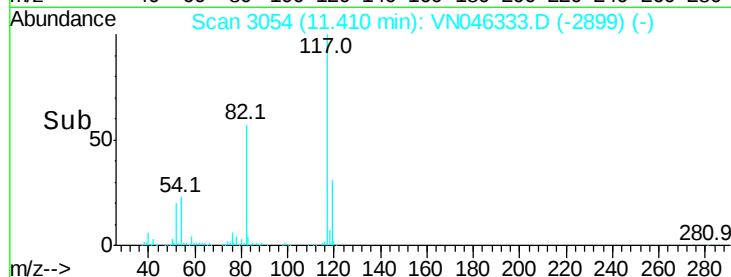
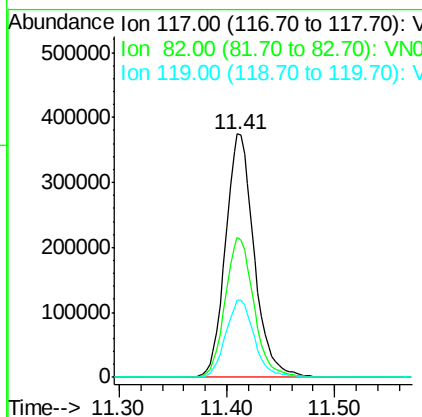
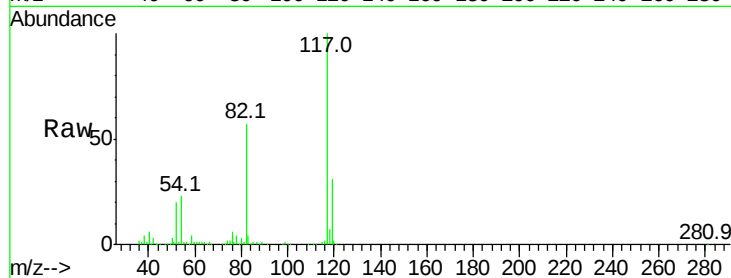




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN046333.D
Acq: 5 Jan 2018 17:11

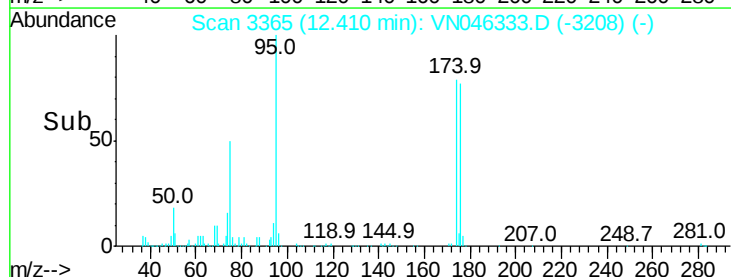
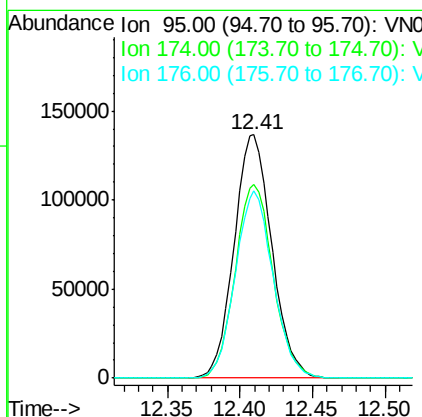
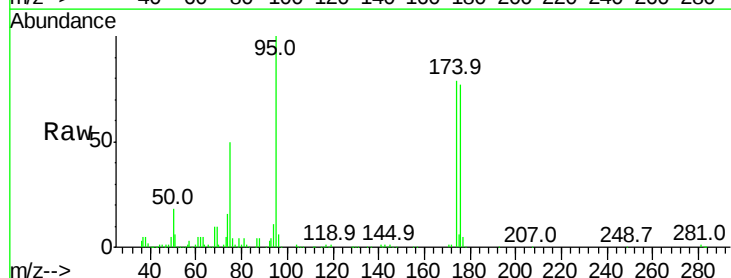
Instrument :
MSVOA_N
ClientSampleId :

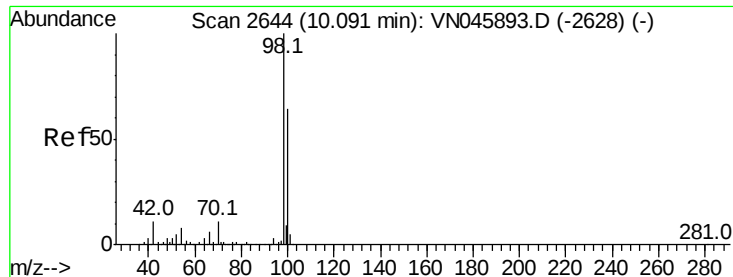
Tot Ion:117 Resp: 692591
Ion Ratio Lower Upper
117 100
82 57.5 46.0 69.0
119 31.8 25.8 38.8



#60
4-Bromofluorobenzene
Concen: 23.057 ug/l
RT: 12.41 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN046333.D
Acq: 5 Jan 2018 17:11

Tgt Ion: 95 Resp: 246948
Ion Ratio Lower Upper
95 100
174 79.8 63.5 95.3
176 76.9 61.3 91.9





#63

Toluene-d8

Concen: 28.142 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

Instrument :

MSVOA_N

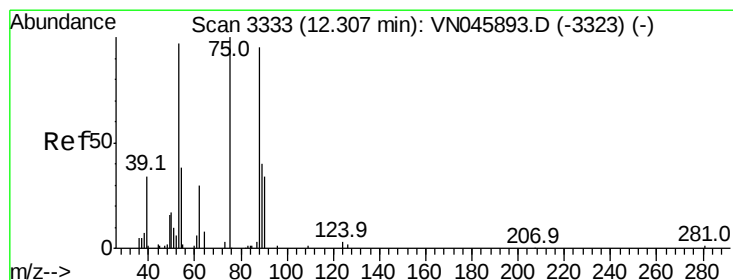
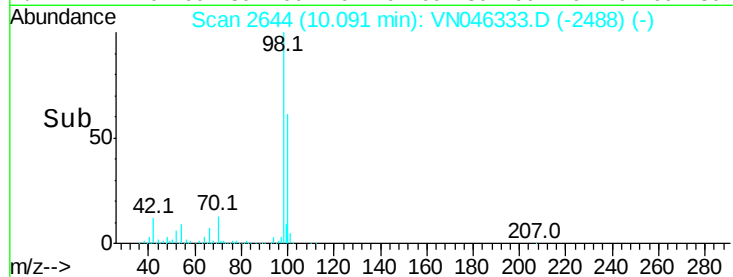
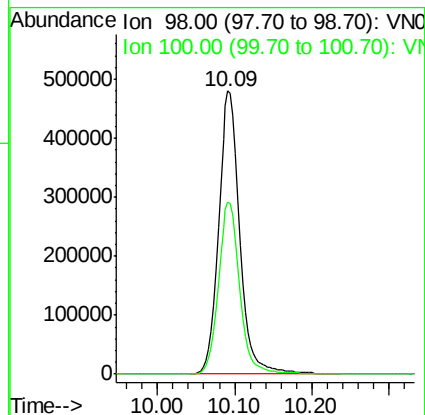
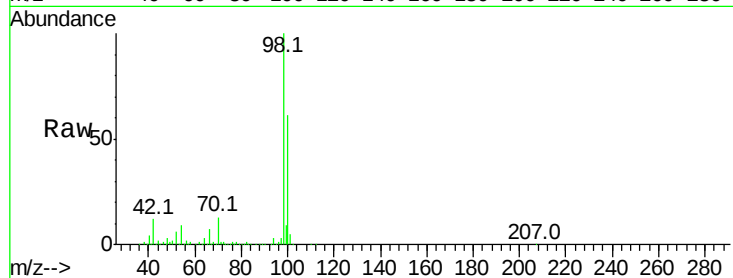
ClientSampled :

Tot Ion: 98 Resp: 922780

Ion Ratio Lower Upper

98 100

100 61.2 50.8 76.2



#77

t-1,4-Dichloro-2-butene

Concen: 42.097 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN046333.D

Acq: 5 Jan 2018 17:11

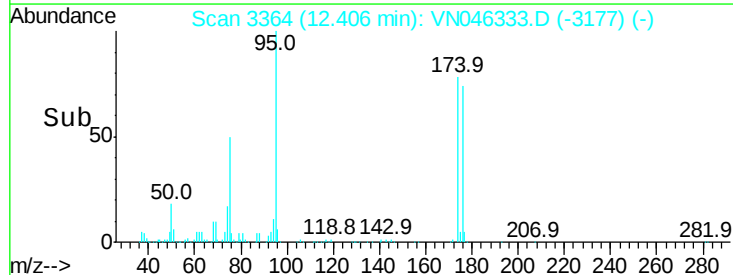
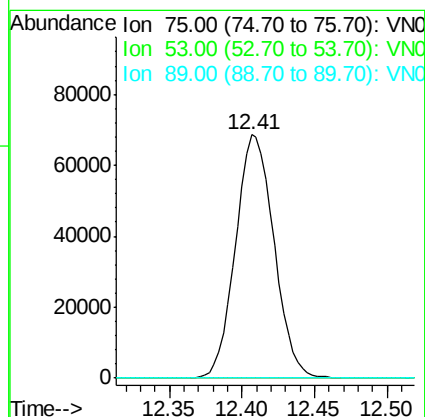
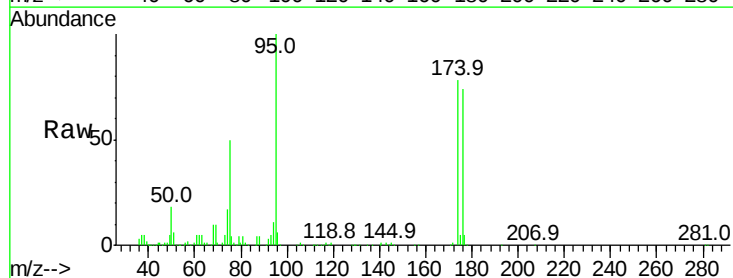
Tgt Ion: 75 Resp: 126412

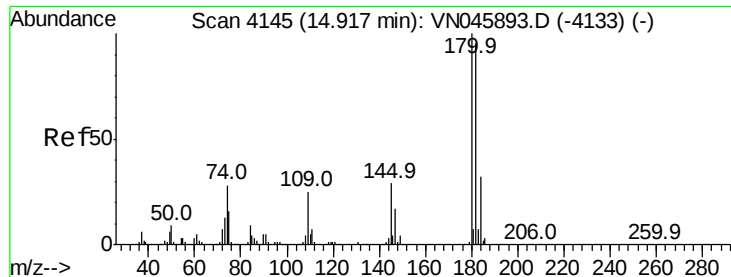
Ion Ratio Lower Upper

75 100

53 0.3 48.0 144.2#

89 0.0 21.3 63.7#

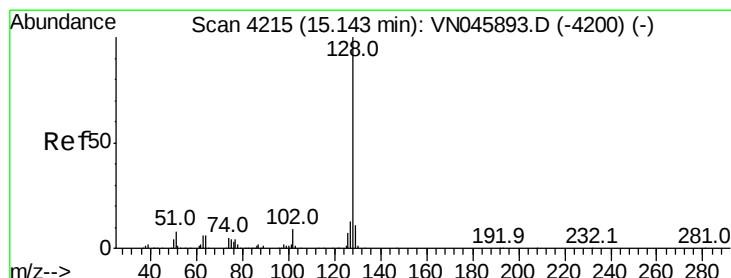
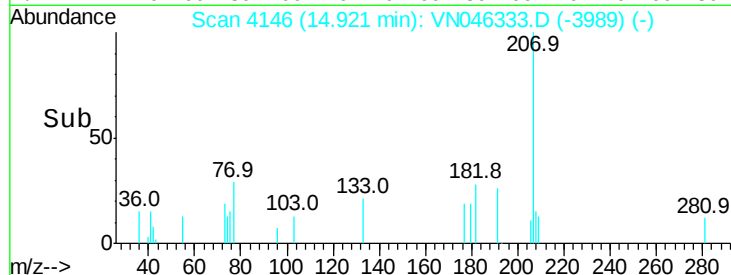
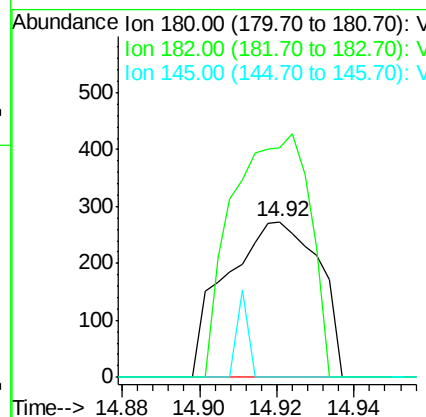
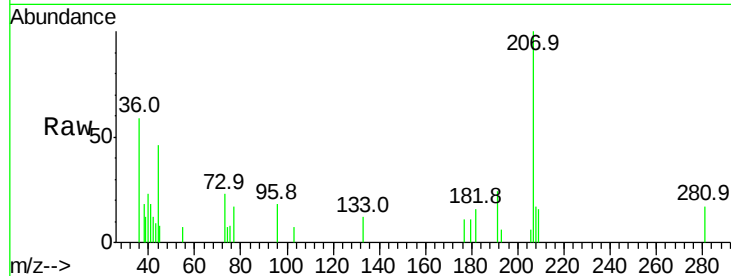




#89
 1,2,4-Trichlorobenzene
 Concen: 6.011 ug/l
 RT: 14.92 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN046333.D
 Acq: 5 Jan 2018 17:11

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 453
 Ion Ratio Lower Upper
 180 100
 182 0.0 75.8 113.6#
 145 0.0 23.4 35.2#



#91
 Naphthalene
 Concen: 6.832 ug/l
 RT: 15.15 min Scan# 4217
 Delta R.T. 0.01 min
 Lab File: VN046333.D
 Acq: 5 Jan 2018 17:11

Tgt Ion:128 Resp: 1158
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.9 13.3#

