

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN010518\
 Data File : VN046328.D
 Acq On : 5 Jan 2018 11:46
 Operator : MD\SY
 Sample : VN0105WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0105WBL01

Quant Time: Jan 05 12:35:16 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	7.20	128	175440	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	871050	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	753387	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	408090	30.99	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.30%
60) 4-Bromofluorobenzene	12.41	95	257586	22.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.70%
63) Toluene-d8	10.09	98	1044258	29.28	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.60%

Target Compounds

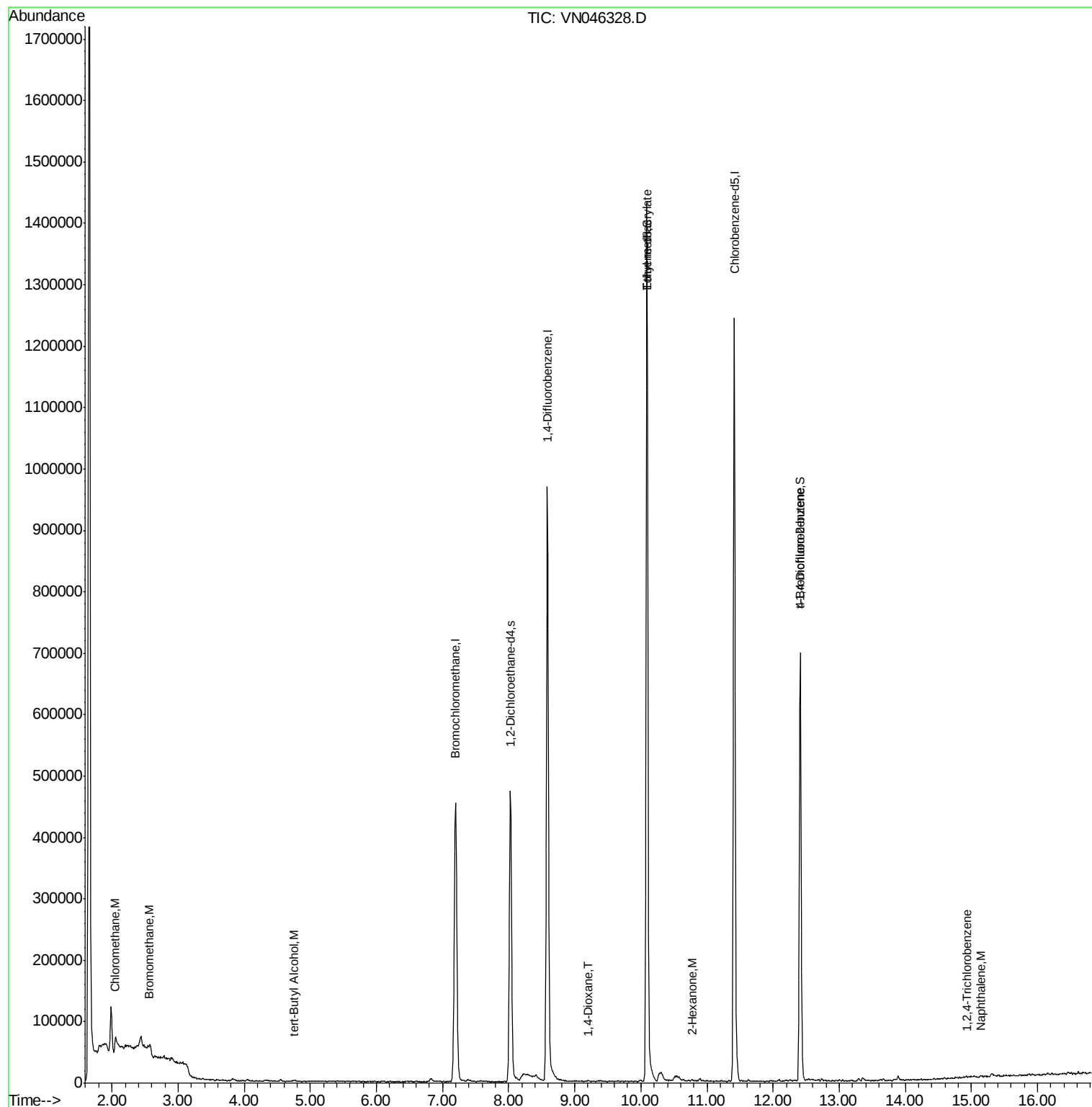
						Qvalue
3) Chloromethane	2.05	50	17830	1.03	ug/l	100
5) Bromomethane	2.57	94	2992	0.40	ug/l	90
23) tert-Butyl Alcohol	4.75	59	444	0.48	ug/l #	100
45) 1,4-Dioxane	9.19	88	588	4.72	ug/l #	26
51) Ethyl methacrylate	10.09	69	3663	0.27	ug/l	81
59) 2-Hexanone	10.76	43	2348	0.39	ug/l #	56
77) t-1,4-Dichloro-2-butene	12.41	75	127647	39.08	ug/l #	12
89) 1,2,4-Trichlorobenzene	14.92	180	702	6.03	ug/l #	53
91) Naphthalene	15.14	128	2301	6.87	ug/l #	72

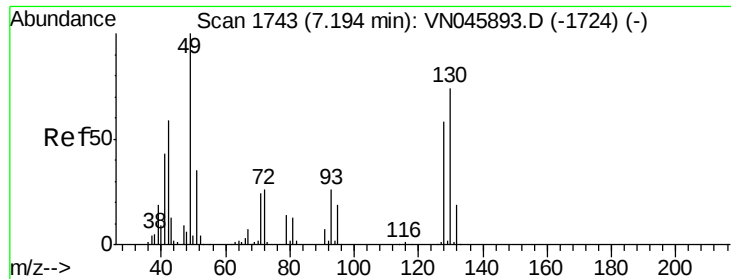
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN010518\
Data File : VN046328.D
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Sample : VN0105WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0105WBL01

Quant Time: Jan 05 12:35:16 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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1745

Delta R.T. 0.01 min

Lab File: VN046328.D

Acq: 5 Jan 2018 11:46

Instrument :

MSVOA_N

ClientSampled :

VN0105WBL01

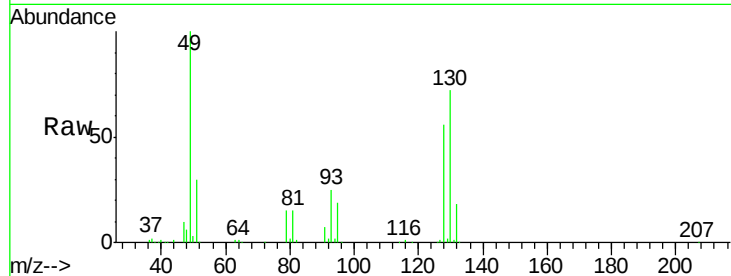
Tgt Ion:128 Resp: 175440

Ion Ratio Lower Upper

128 100

49 179.1 0.0 442.2

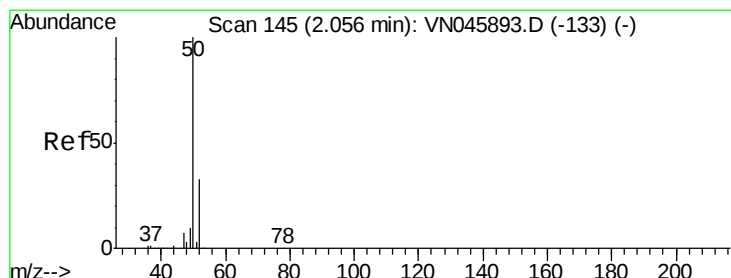
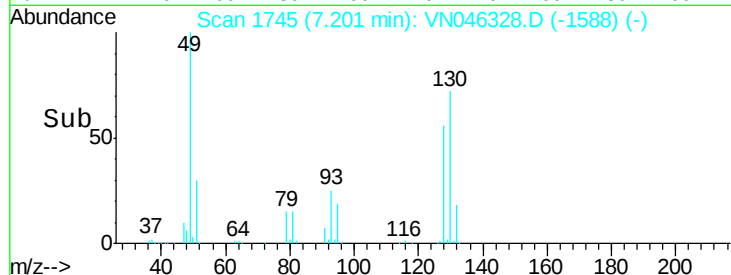
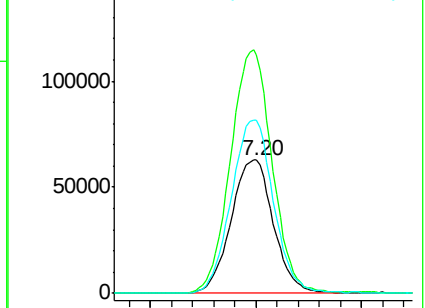
130 129.6 0.0 322.8



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: 1.03 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN046328.D

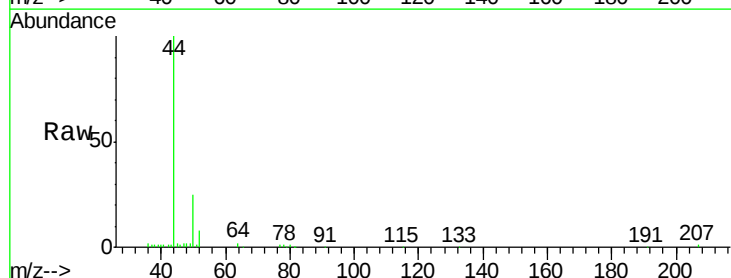
Acq: 5 Jan 2018 11:46

Tgt Ion: 50 Resp: 17830

Ion Ratio Lower Upper

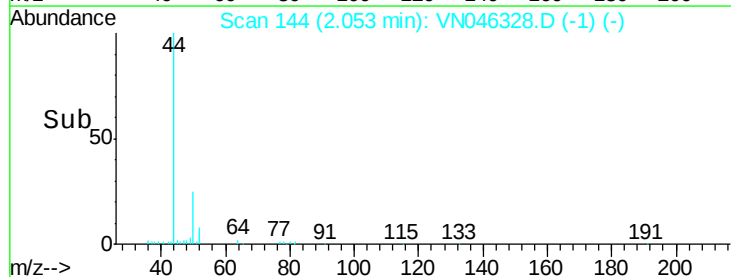
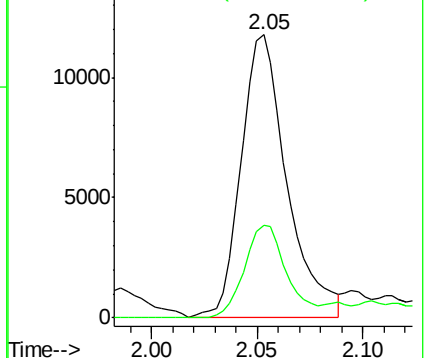
50 100

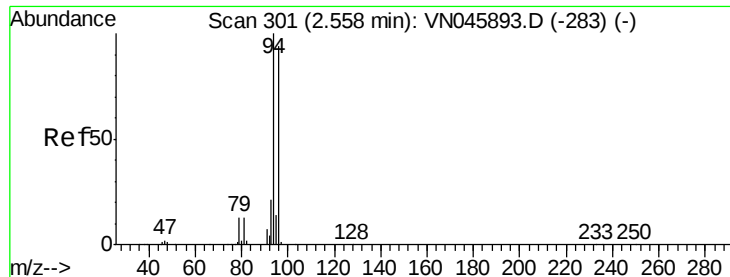
52 32.9 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#5

Bromomethane

Concen: 0.40 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN046328.D

Acq: 5 Jan 2018 11:46

Instrument :

MSVOA_N

ClientSampled :

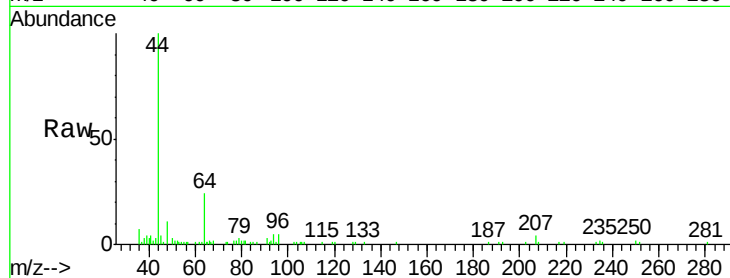
VN0105WBL01

Tgt Ion: 94 Resp: 2992

Ion Ratio Lower Upper

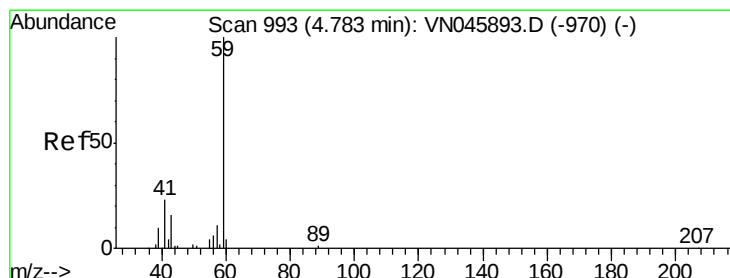
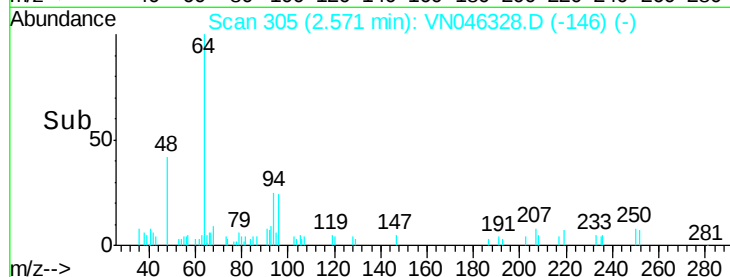
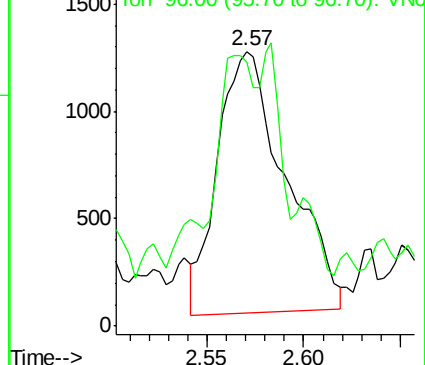
94 100

96 83.8 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.48 ug/l

RT: 4.75 min Scan# 983

Delta R.T. -0.03 min

Lab File: VN046328.D

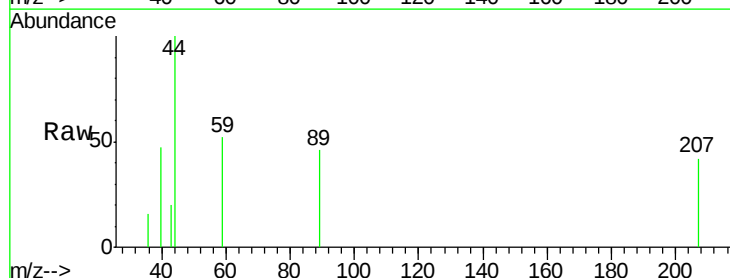
Acq: 5 Jan 2018 11:46

Tgt Ion: 59 Resp: 444

Ion Ratio Lower Upper

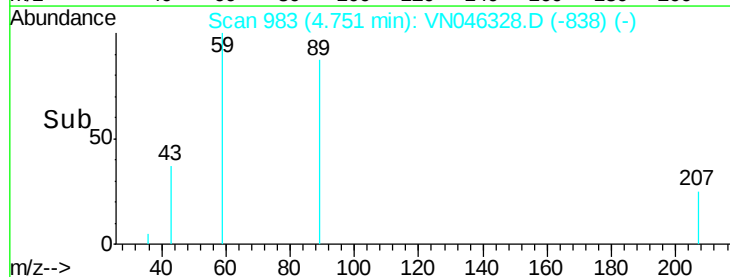
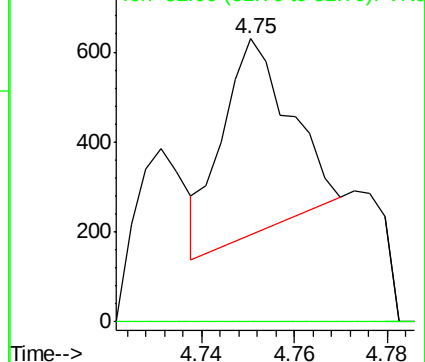
59 100

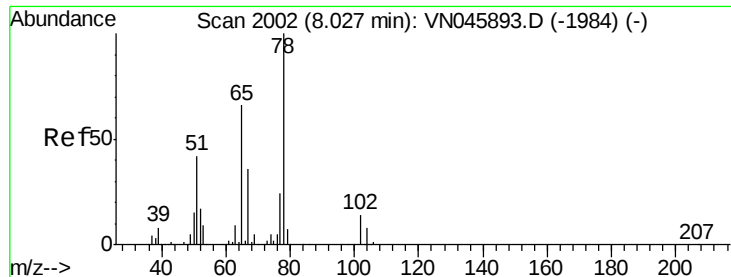
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.99 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN046328.D

Acq: 5 Jan 2018 11:46

Instrument :

MSVOA_N

ClientSampleId :

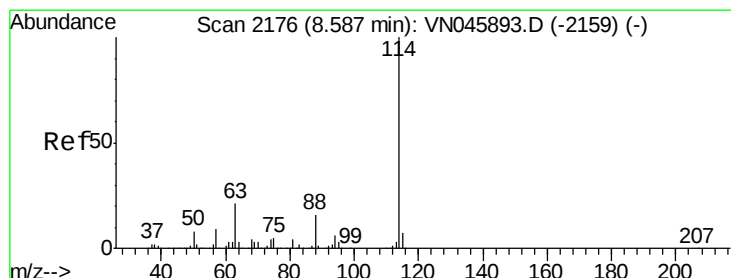
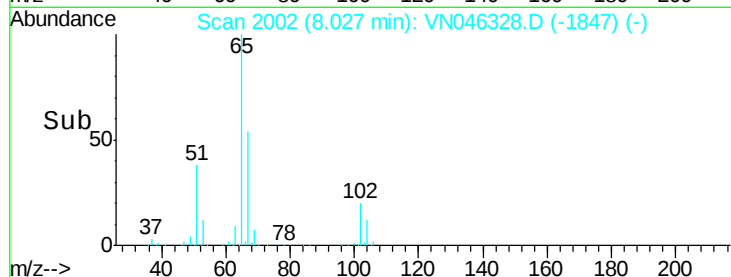
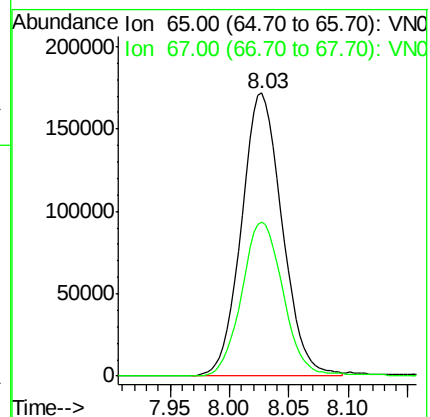
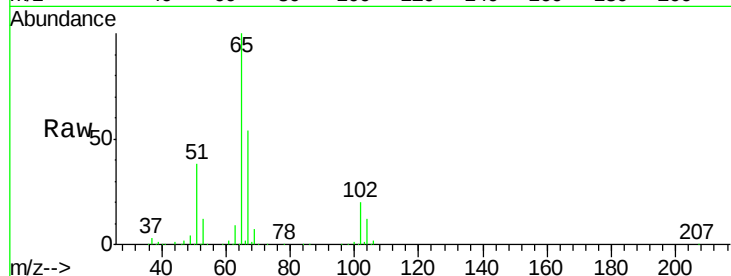
VN0105WBL01

Tgt Ion: 65 Resp: 408090

Ion Ratio Lower Upper

65 100

67 55.4 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN046328.D

Acq: 5 Jan 2018 11:46

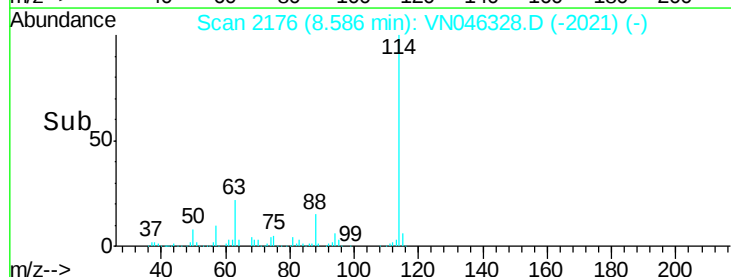
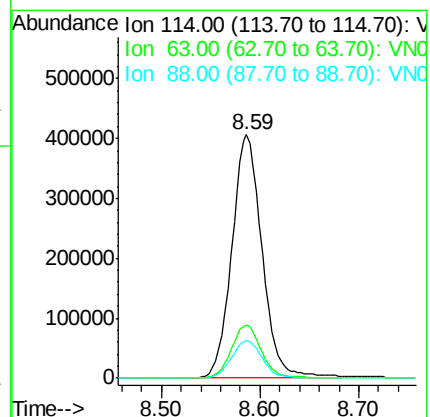
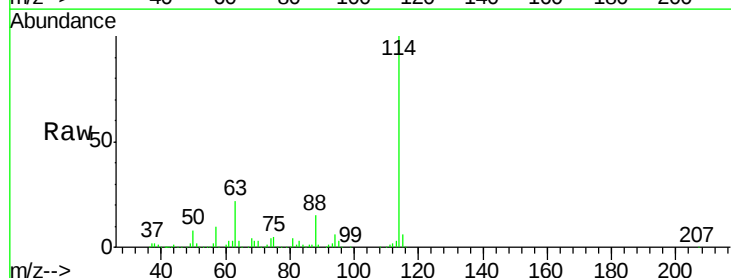
Tgt Ion: 114 Resp: 871050

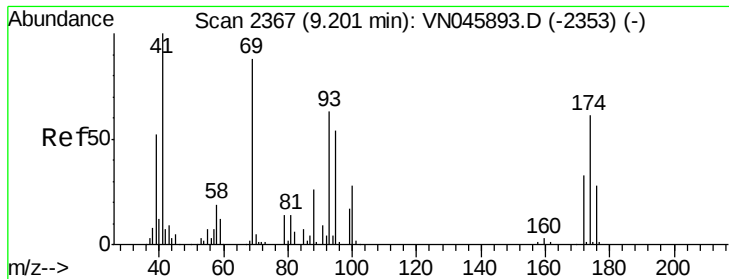
Ion Ratio Lower Upper

114 100

63 21.6 16.7 25.1

88 15.6 12.7 19.1





#45

1,4-Dioxane

Concen: 4.72 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. -0.01 min

Lab File: VN046328.D

Acq: 5 Jan 2018 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0105WBL01

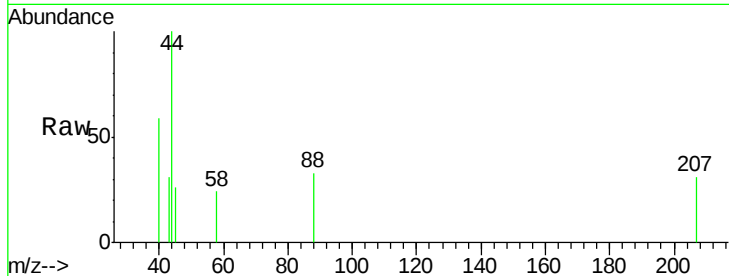
Tgt Ion: 88 Resp: 588

Ion Ratio Lower Upper

88 100

43 123.3 27.3 40.9#

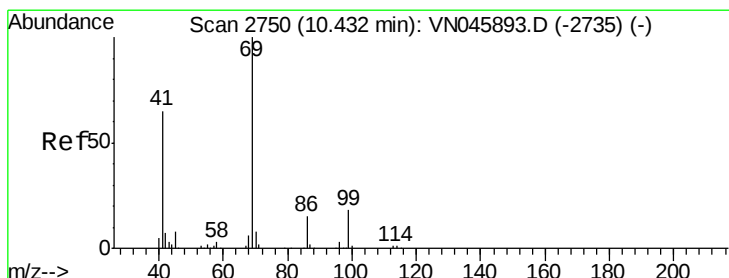
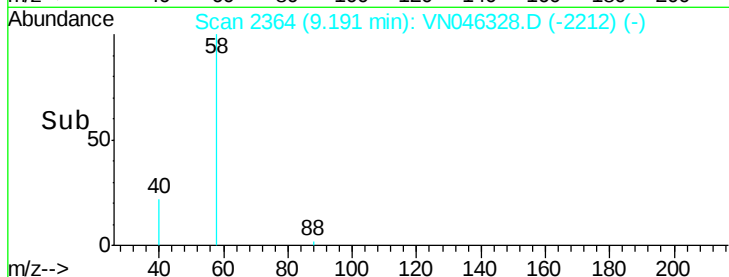
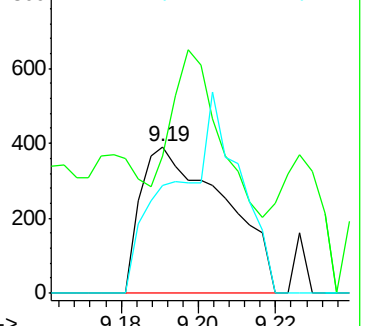
58 43.0 60.2 90.4#



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: 0.27 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. -0.34 min

Lab File: VN046328.D

Acq: 5 Jan 2018 11:46

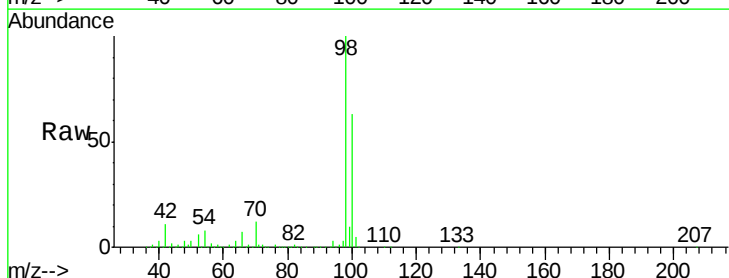
Tgt Ion: 69 Resp: 3663

Ion Ratio Lower Upper

69 100

41 86.3 32.4 97.2

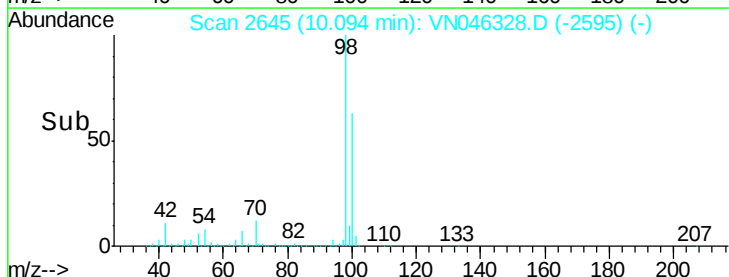
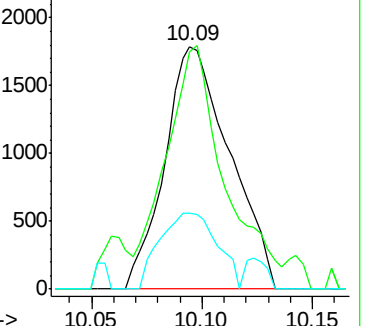
39 31.0 15.8 47.3

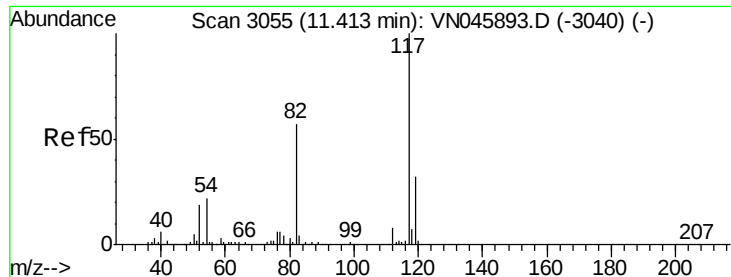


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

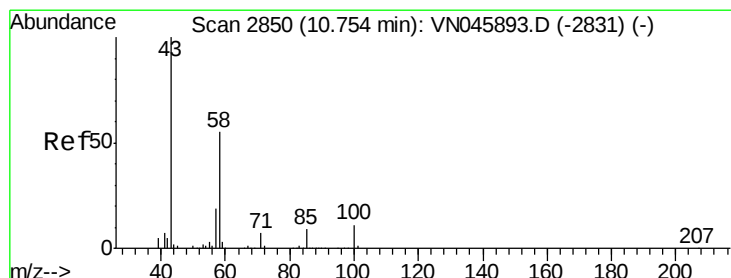
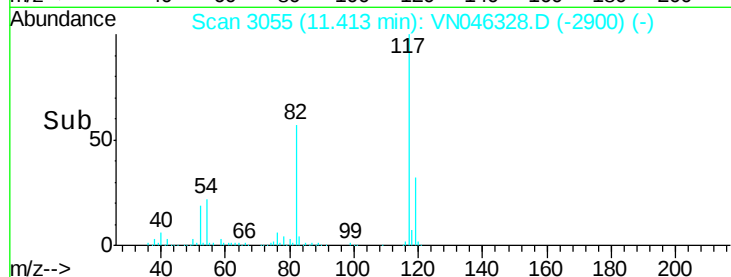
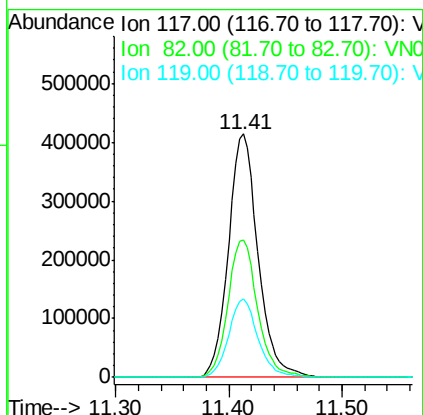
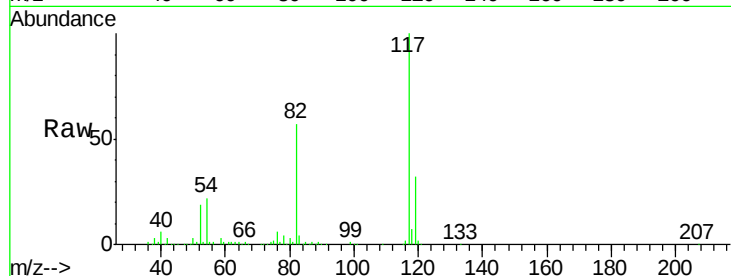




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3055
Delta R.T. -0.00 min
Lab File: VN046328.D
Acq: 5 Jan 2018 11:46

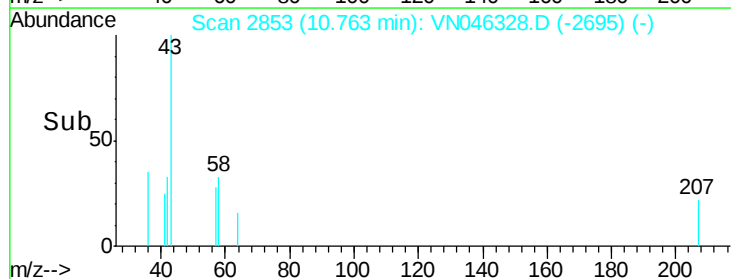
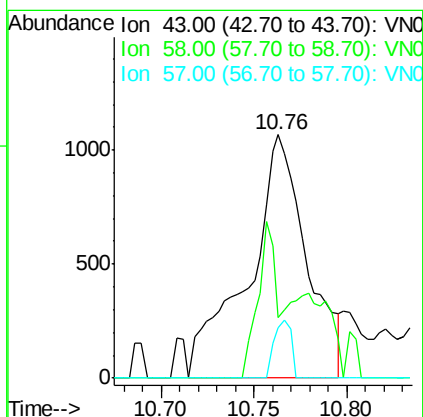
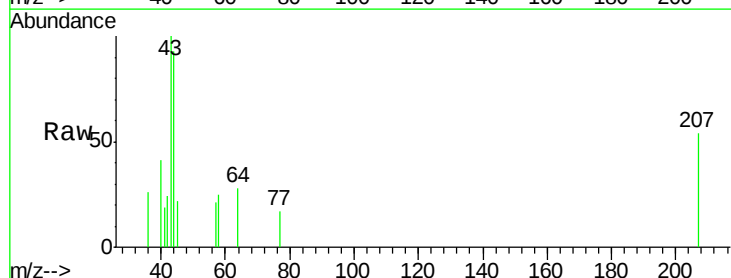
Instrument :
MSVOA_N
ClientSampled :
VN0105WBL01

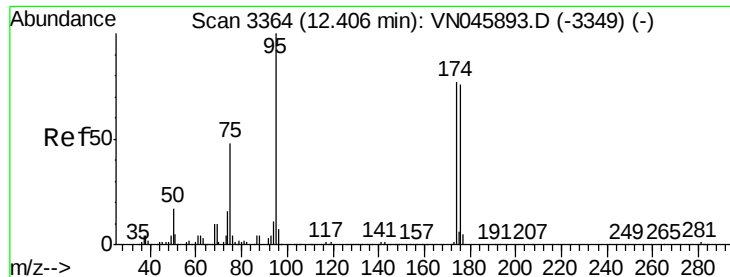
Tgt Ion: 117 Resp: 753387
Ion Ratio Lower Upper
117 100
82 56.8 46.0 69.0
119 32.2 25.8 38.8



#59
2-Hexanone
Concen: 0.39 ug/l
RT: 10.76 min Scan# 2853
Delta R.T. 0.01 min
Lab File: VN046328.D
Acq: 5 Jan 2018 11:46

Tgt Ion: 43 Resp: 2348
Ion Ratio Lower Upper
43 100
58 19.4 44.6 66.8#
57 7.0 15.2 22.8#

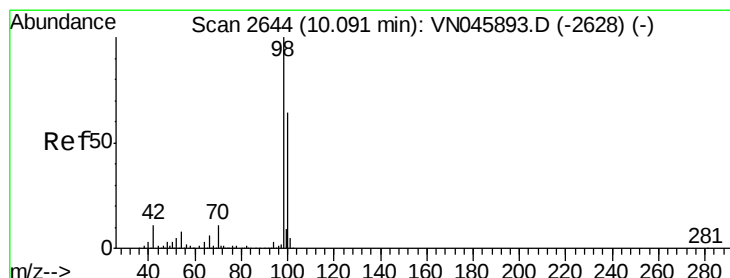
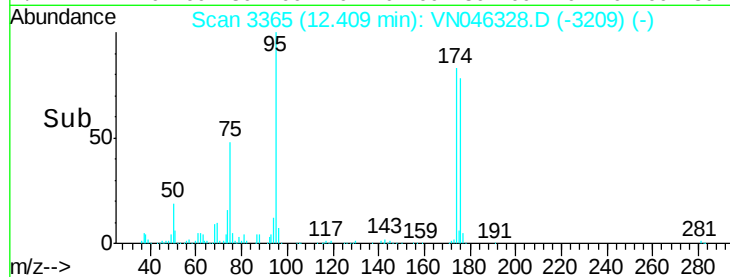
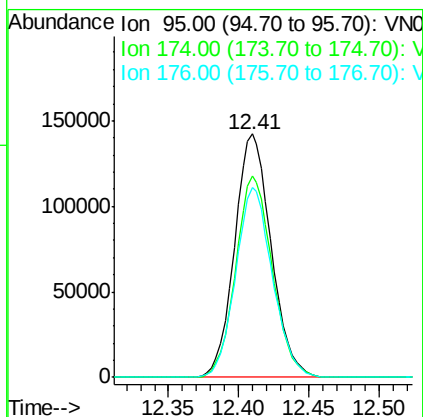
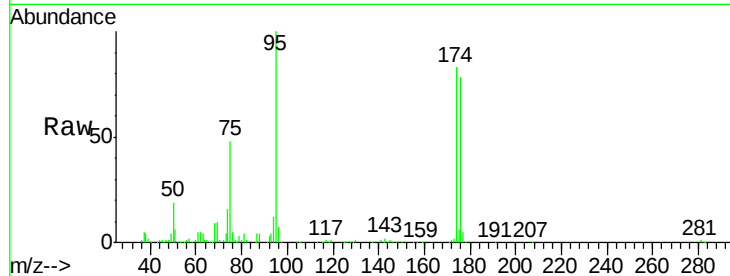




#60
 4-Bromofluorobenzene
 Concen: 22.11 ug/l
 RT: 12.41 min Scan# 3365
 Delta R.T. 0.00 min
 Lab File: VN046328.D
 Acq: 5 Jan 2018 11:46

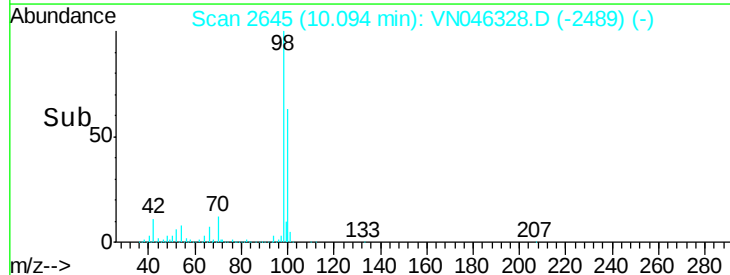
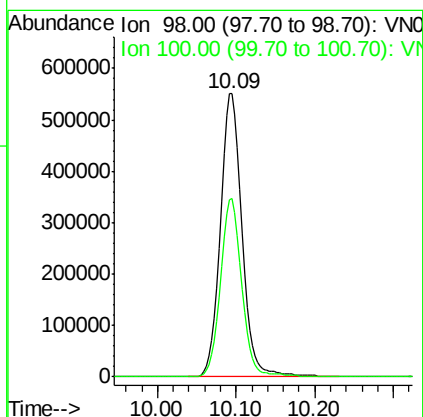
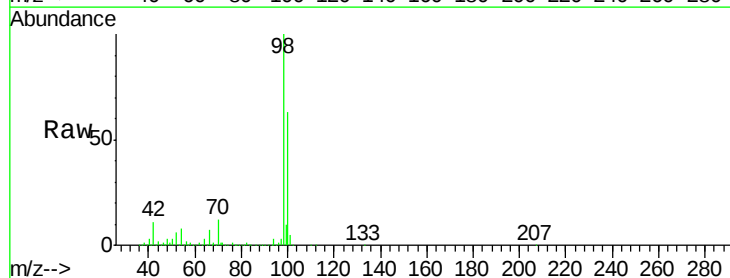
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0105WBL01

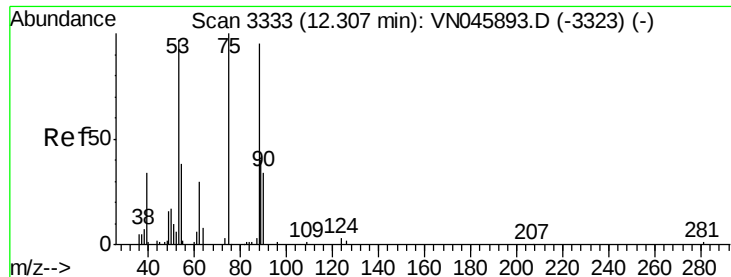
Tgt Ion: 95 Resp: 257586
 Ion Ratio Lower Upper
 95 100
 174 83.0 63.5 95.3
 176 78.6 61.3 91.9



#63
 Toluene-d8
 Concen: 29.28 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN046328.D
 Acq: 5 Jan 2018 11:46

Tgt Ion: 98 Resp: 1044258
 Ion Ratio Lower Upper
 98 100
 100 61.8 50.8 76.2

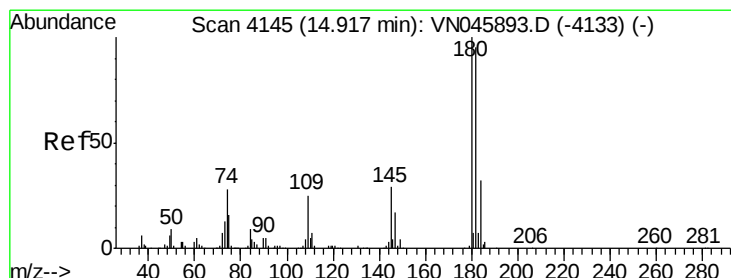
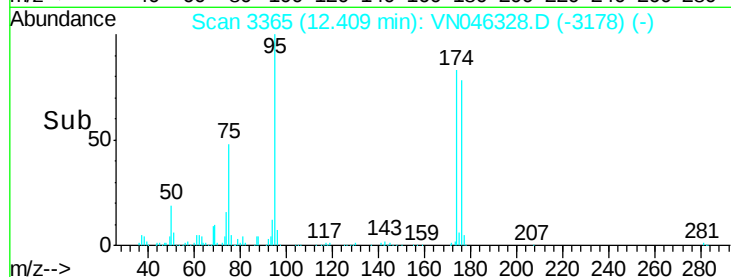
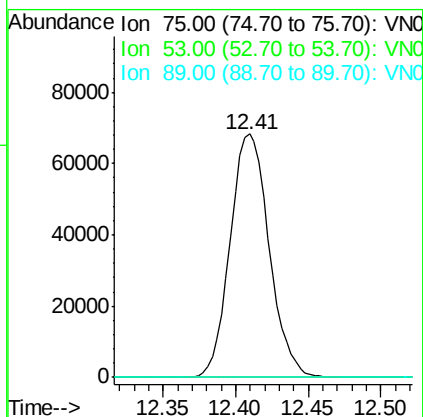
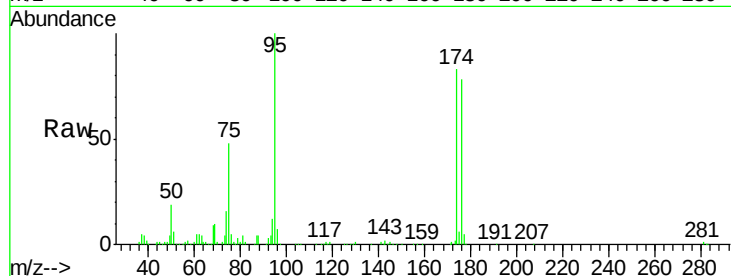




#77
t-1,4-Dichloro-2-butene
Concen: 39.08 ug/l
RT: 12.41 min Scan# 3365
Delta R.T. 0.10 min
Lab File: VN046328.D
Acq: 5 Jan 2018 11:46

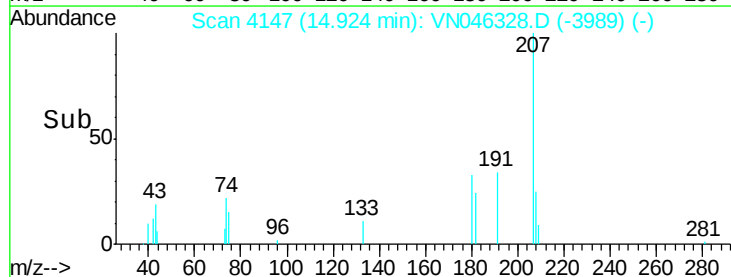
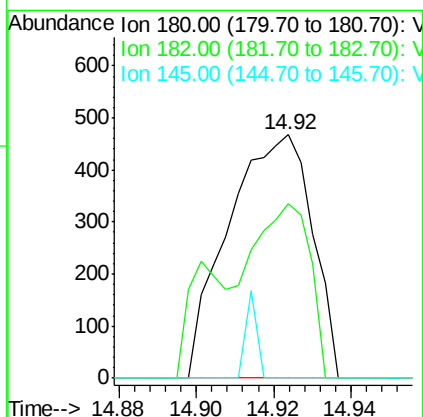
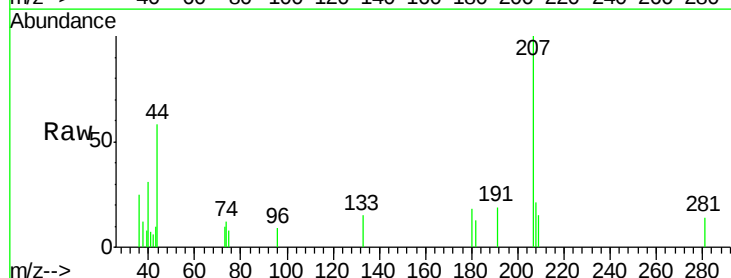
Instrument :
MSVOA_N
ClientSampleId :
VN0105WBL01

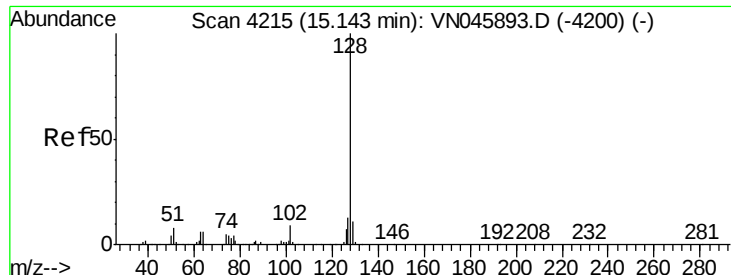
Tgt Ion: 75 Resp: 127647
Ion Ratio Lower Upper
75 100
53 0.3 48.0 144.2#
89 0.0 21.3 63.7#



#89
1,2,4-Trichlorobenzene
Concen: 6.03 ug/l
RT: 14.92 min Scan# 4147
Delta R.T. 0.01 min
Lab File: VN046328.D
Acq: 5 Jan 2018 11:46

Tgt Ion: 180 Resp: 702
Ion Ratio Lower Upper
180 100
182 51.7 75.8 113.6#
145 0.0 23.4 35.2#





#91

Naphthalene

Concen: 6.87 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.00 min

Lab File: VN046328.D

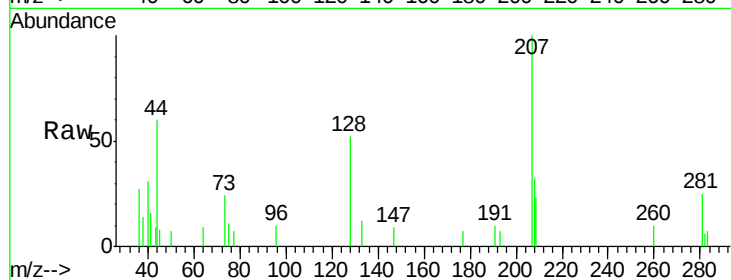
Acq: 5 Jan 2018 11:46

Instrument :

MSVOA_N

ClientSampleId :

VN0105WBL01



Tgt Ion:	128	Resp:	2301
Ion	Ratio	Lower	Upper
128	100		
127	2.7	10.5	15.7#
129	0.0	8.9	13.3#

