

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051039.D
 Acq On : 6 Sep 2018 18:08
 Operator : MD\SY
 Sample : J4817-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE

Quant Time: Sep 07 00:56:52 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	133858	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	682625	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	607336	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	257261	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	239355	26.50	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	88.33%
63) Toluene-d8	10.09	98	815262	28.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	95.97%

Target Compounds

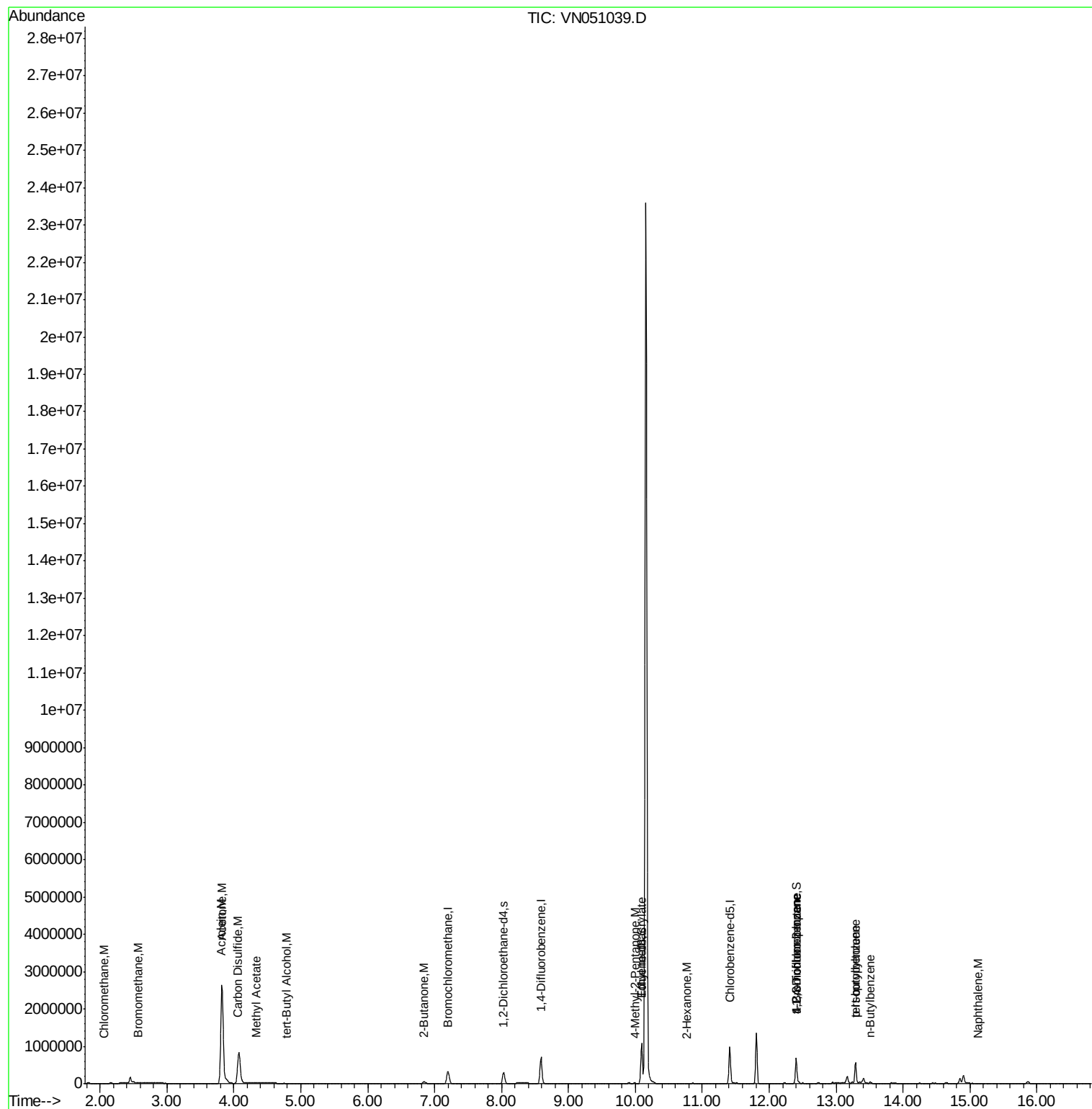
						Ovalue
3) Chloromethane	2.06	50	2008	0.20	ug/l	90
5) Bromomethane	2.57	94	1910	0.32	ug/l	99
12) Methyl Acetate	4.34	43	9168	1.10	ug/l	97
13) Acrolein	3.80	56	251	1.36	ug/l #	13
15) Acetone	3.82	58	1537865	2125.25	ug/l	92
16) Carbon Disulfide	4.05	76	6424	0.30	ug/l	98
23) tert-Butyl Alcohol	4.79	59	418	0.70	ug/l #	100
30) 2-Butanone	6.85	43	66726	21.22	ug/l	97
51) Ethyl methacrylate	10.10	69	2771	0.31	ug/l	85
58) 4-Methyl-2-Pentanone	9.99	43	16195	2.33	ug/l	97
59) 2-Hexanone	10.76	43	949	0.21	ug/l #	79
72) 1,2,3-Trichloropropane	12.40	75	110134	13.75	ug/l	1
77) t-1,4-Dichloro-2-butene	12.40	75	110134	48.27	ug/l #	13
79) tert-butylbenzene	13.29	119	308006	12.66	ug/l	61
82) p-Isopropyltoluene	13.29	119	308006	11.21	ug/l	99
85) n-Butylbenzene	13.51	91	5855	0.28	ug/l	94
91) Naphthalene	15.13	128	2951	8.72	ug/l #	83

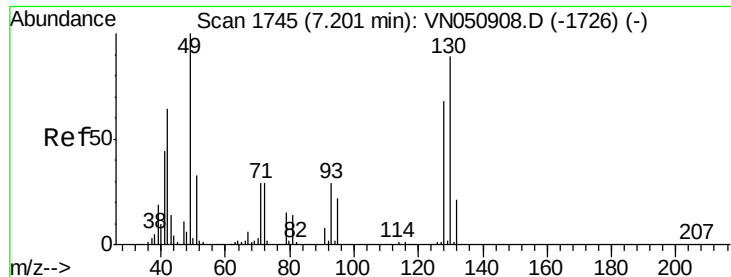
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 29 01:38:44 2018
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051039.D

Acq: 6 Sep 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE

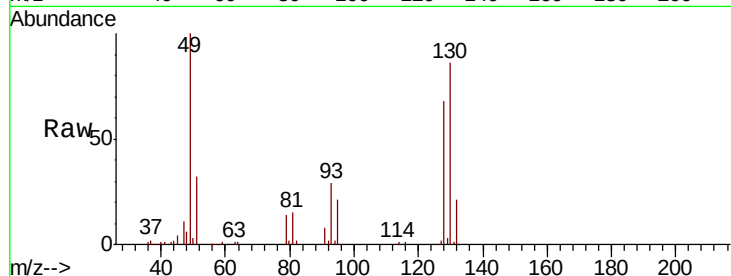
Tot Ion:128 Resp: 133858

Ion Ratio Lower Upper

128 100

49 147.5 0.0 380.3

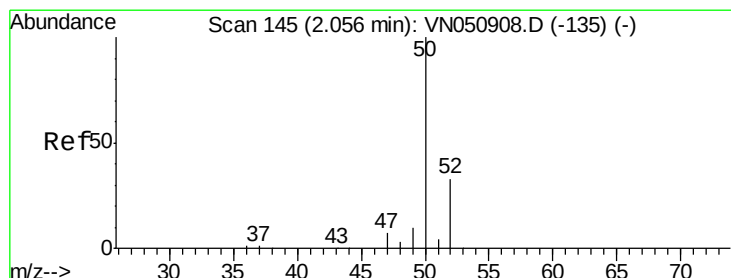
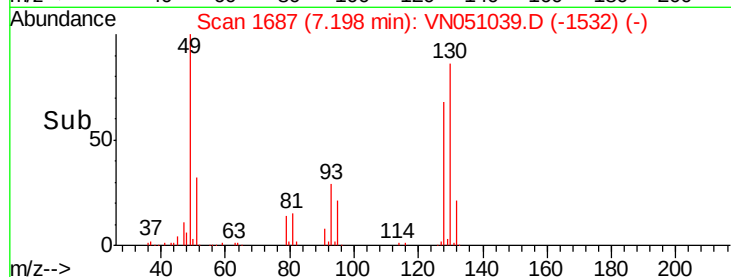
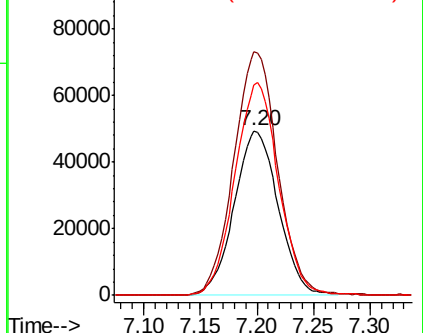
130 128.5 0.0 325.3



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



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051039.D

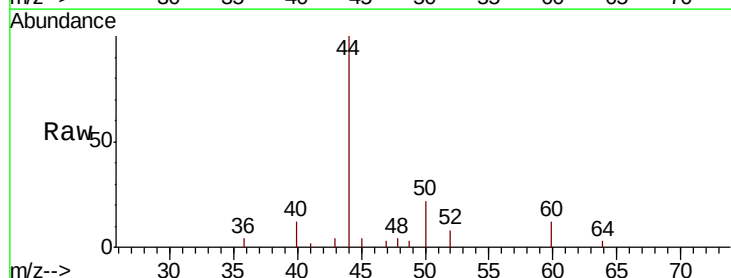
Acq: 6 Sep 2018 18:08

Tgt Ion: 50 Resp: 2008

Ion Ratio Lower Upper

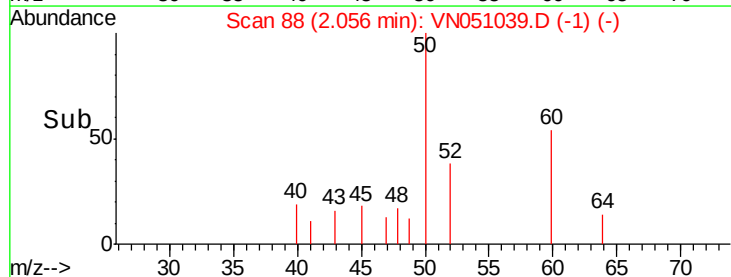
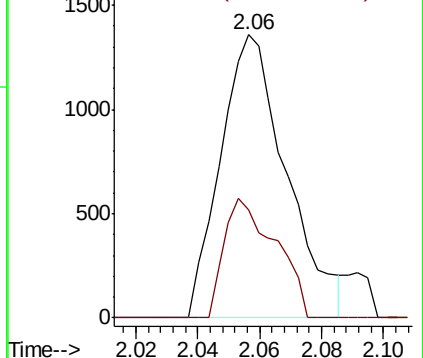
50 100

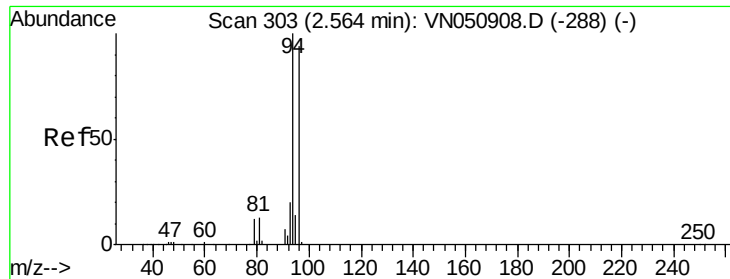
52 38.2 26.2 39.4



Abundance Ion 50.00 (49.70 to 50.70): VN

Ion 52.00 (51.70 to 52.70): VN





#5

Bromomethane

Concen: 0.32 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051039.D

Acq: 6 Sep 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

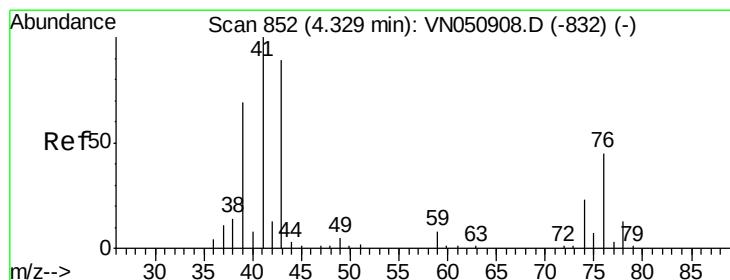
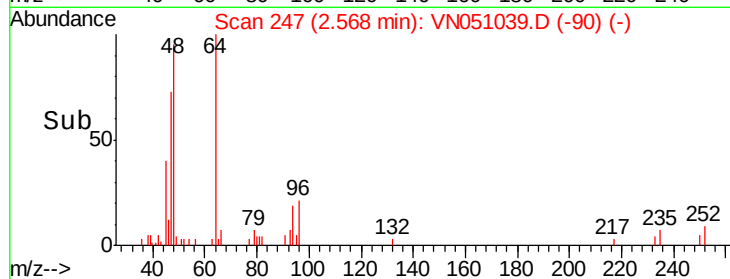
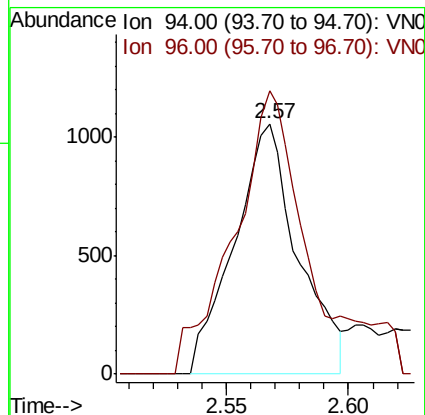
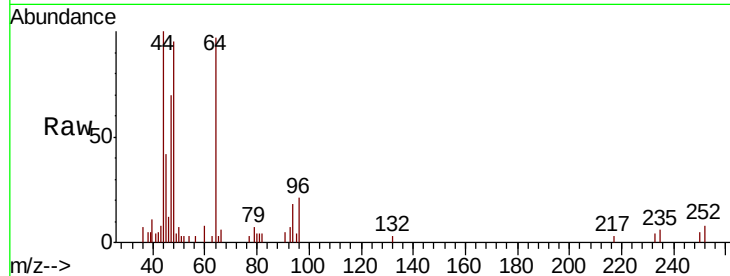
002M-35TH-AVE

Tot Ion: 94 Resp: 1910

Ion Ratio Lower Upper

94 100

96 94.7 74.9 112.3



#12

Methyl Acetate

Concen: 1.10 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN051039.D

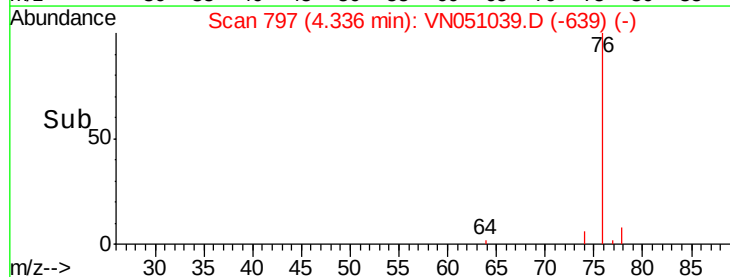
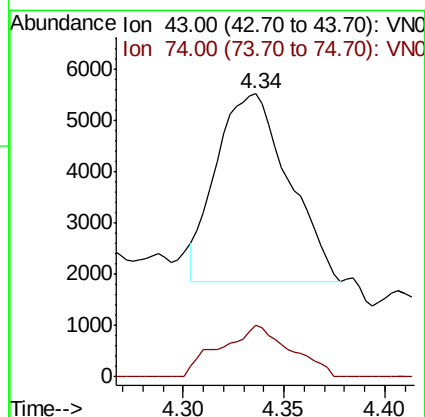
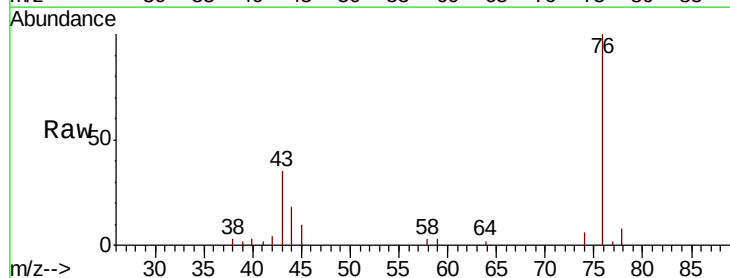
Acq: 6 Sep 2018 18:08

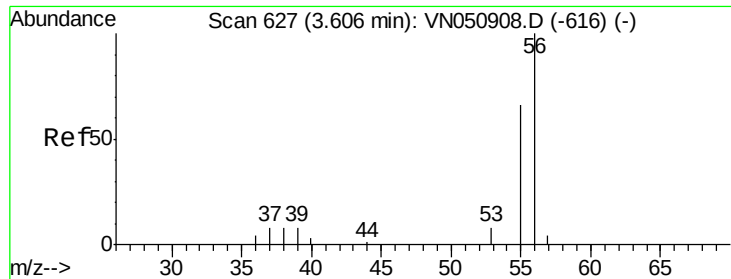
Tgt Ion: 43 Resp: 9168

Ion Ratio Lower Upper

43 100

74 27.5 20.6 31.0

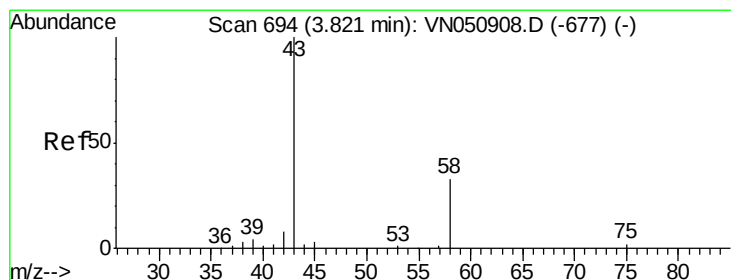
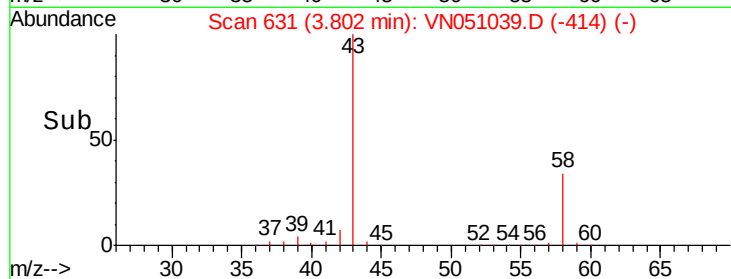
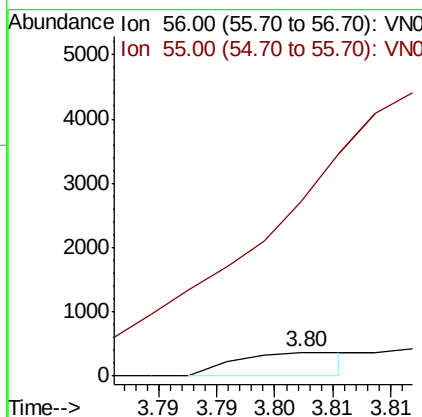
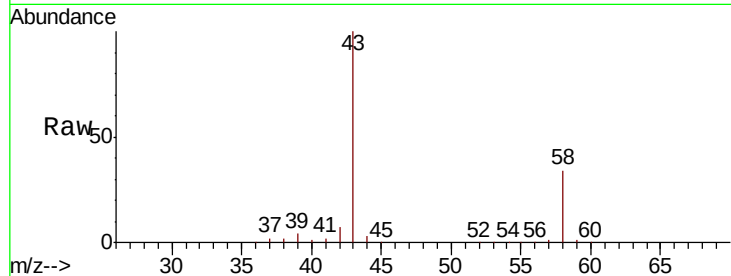




#13
 Acrolein
 Concen: 1.36 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.20 min
 Lab File: VN051039.D
 Acq: 6 Sep 2018 18:08

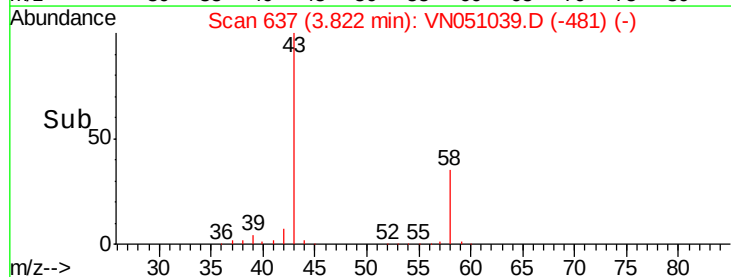
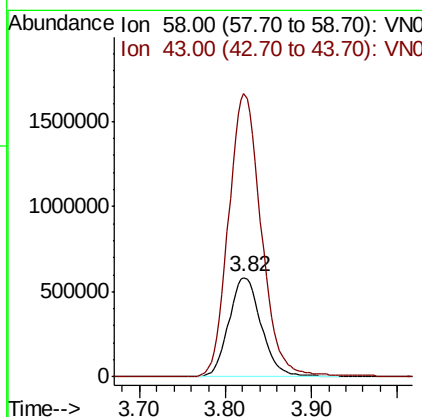
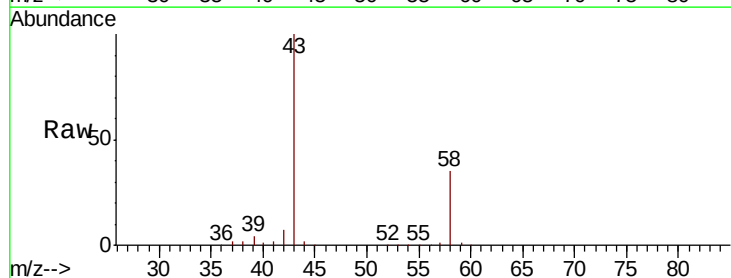
Instrument :
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 002M-35TH-AVE

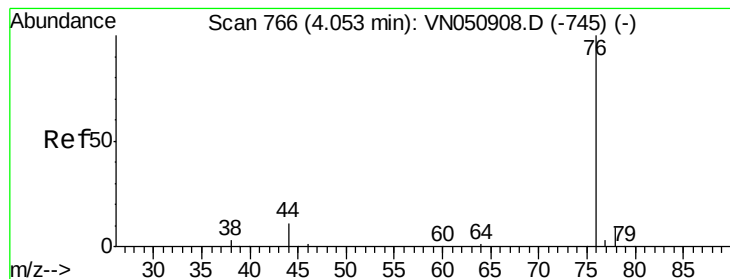
Tot Ion: 56 Resp: 251
 Ion Ratio Lower Upper
 56 100
 55 0.0 59.1 88.7#



#15
 Acetone
 Concen: 2125.25 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051039.D
 Acq: 6 Sep 2018 18:08

Tgt Ion: 58 Resp: 1537865
 Ion Ratio Lower Upper
 58 100
 43 284.0 239.4 359.0





#16

Carbon Disulfide

Concen: 0.30 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051039.D

Acq: 6 Sep 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

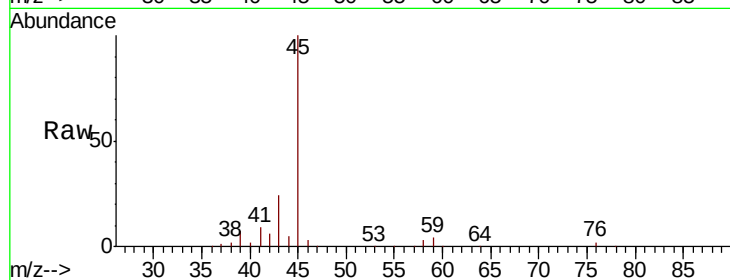
002M-35TH-AVE

Tot Ion: 76 Resp: 6424

Ion Ratio Lower Upper

76 100

78 9.7 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN050908.D (-745) (-)

Ion 78.00 (77.70 to 78.70): VN050908.D (-745) (-)

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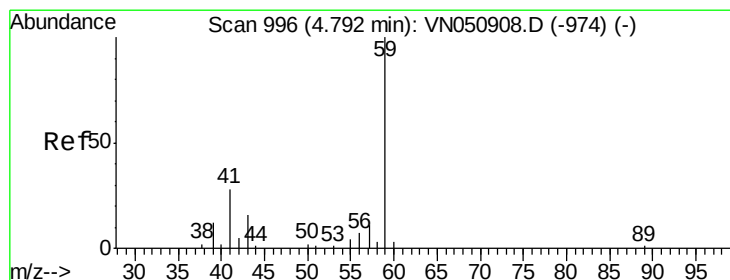
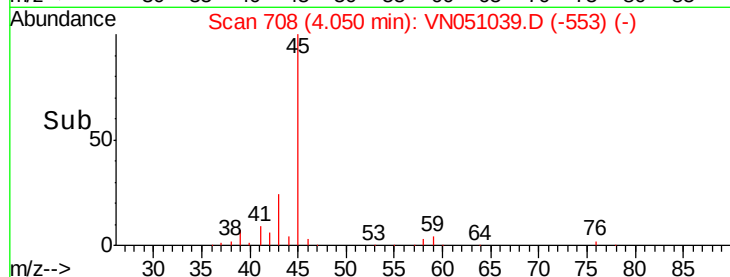
4.05

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#23

tert-Butyl Alcohol

Concen: 0.70 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN051039.D

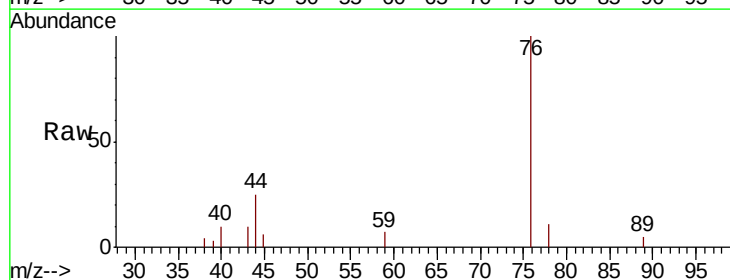
Acq: 6 Sep 2018 18:08

Tgt Ion: 59 Resp: 418

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN050908.D (-974) (-)

Ion 52.00 (51.70 to 52.70): VN050908.D (-974) (-)

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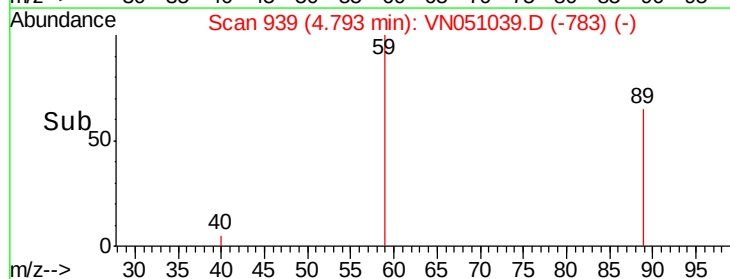
4.79

4.79

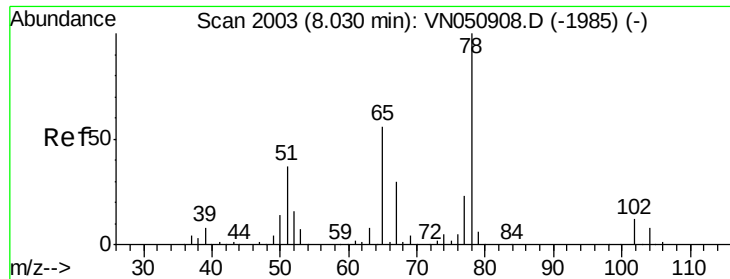
4.79

4.79

4.79



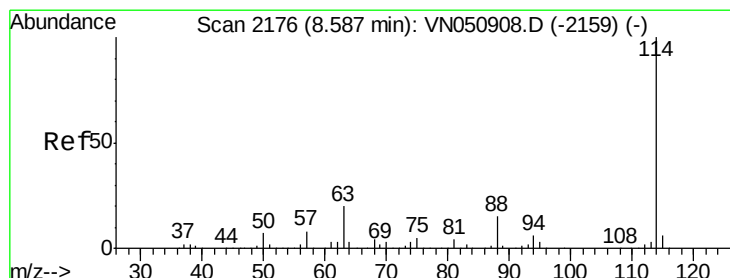
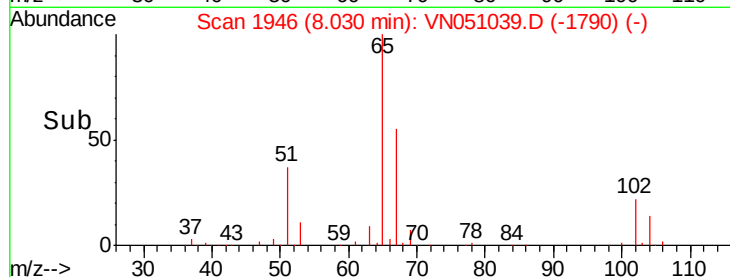
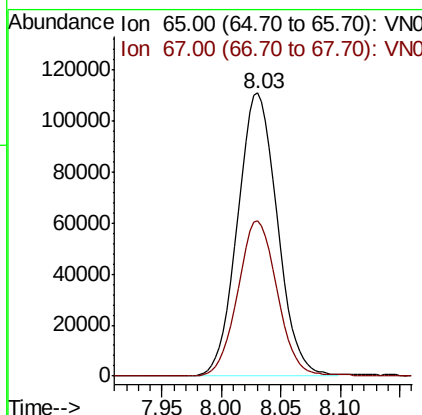
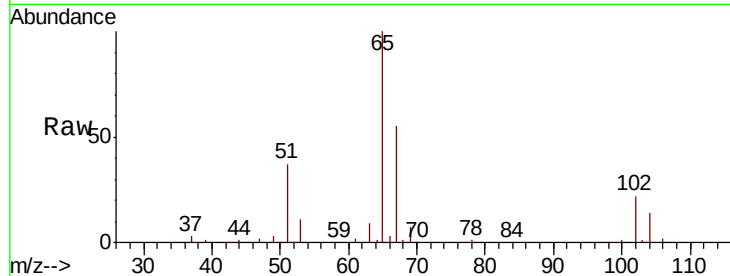
Time-->



#27
 1,2-Dichloroethane-d4
 Concen: 30.12 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051039.D
 Acq: 6 Sep 2018 18:08

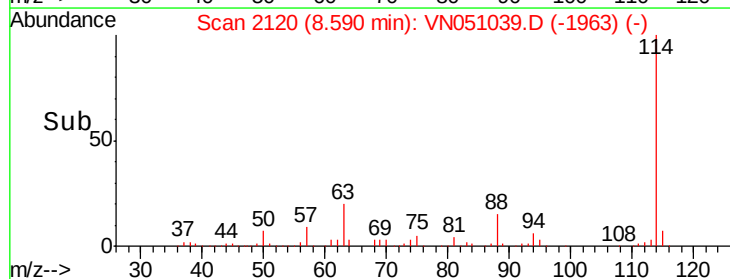
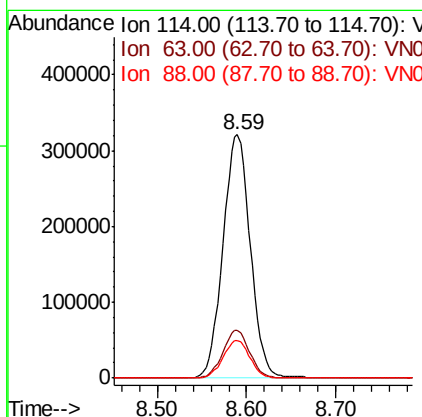
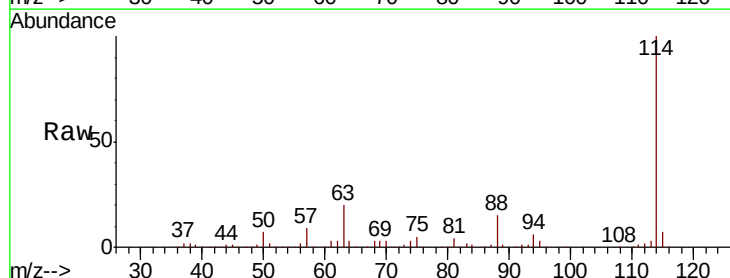
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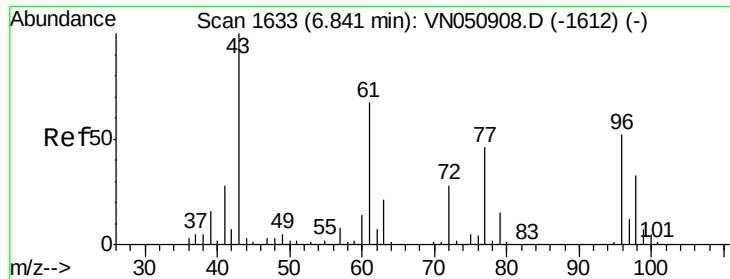
Tot Ion: 65 Resp: 257261
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.7 65.5



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. 0.00 min
 Lab File: VN051039.D
 Acq: 6 Sep 2018 18:08

Tgt Ion: 114 Resp: 682625
 Ion Ratio Lower Upper
 114 100
 63 19.1 15.6 23.4
 88 15.1 12.2 18.4

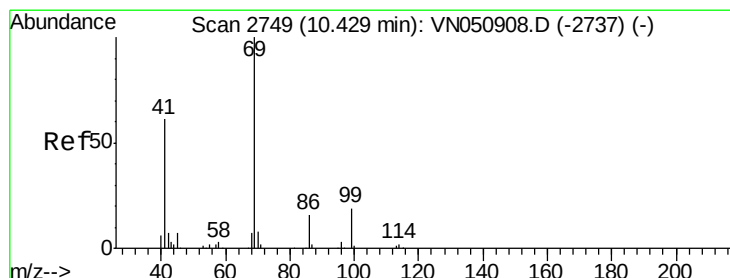
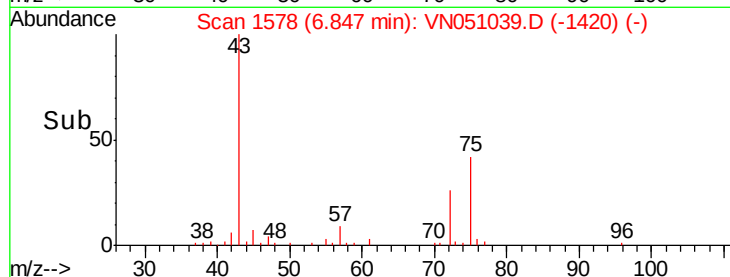
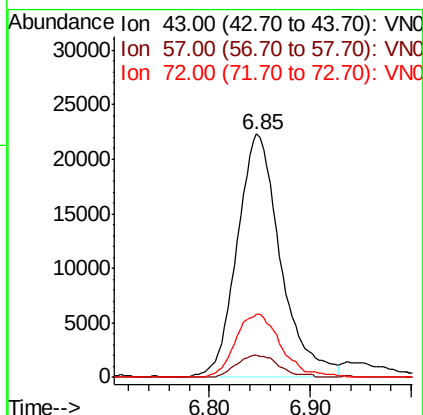
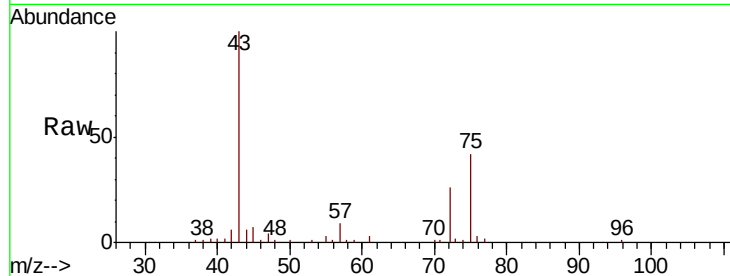




#30
 2-Butanone
 Concen: 21.22 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VN051039.D
 Acq: 6 Sep 2018 18:08

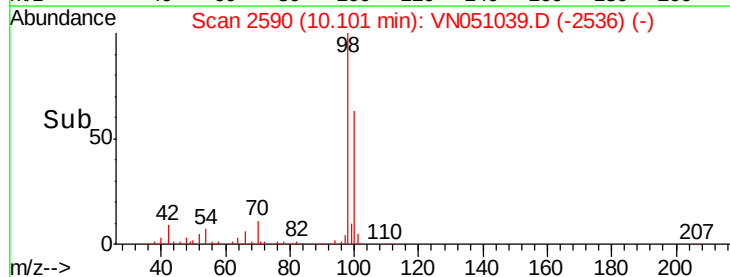
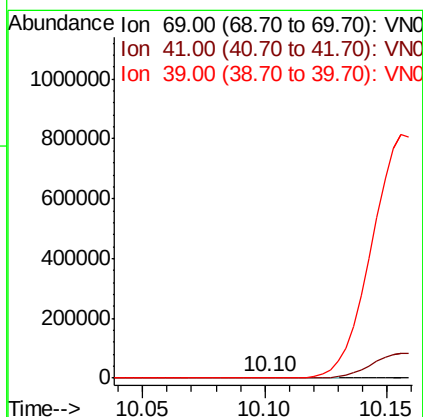
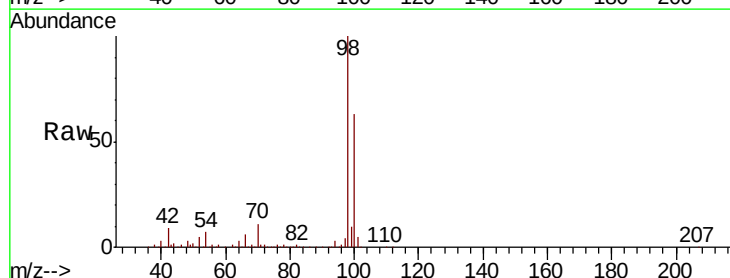
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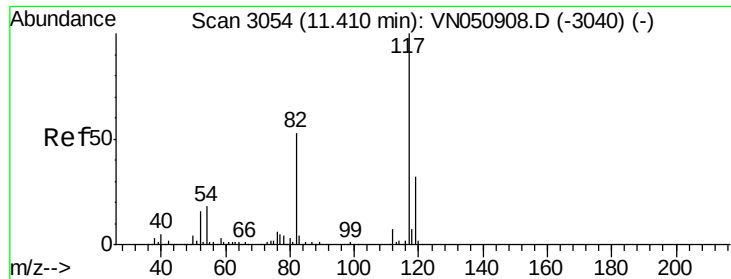
Tot Ion: 43 Resp: 66726
 Ion Ratio Lower Upper
 43 100
 57 8.5 6.9 10.3
 72 26.4 22.8 34.2



#51
 Ethyl methacrylate
 Concen: 0.31 ug/l
 RT: 10.10 min Scan# 2590
 Delta R.T. -0.33 min
 Lab File: VN051039.D
 Acq: 6 Sep 2018 18:08

Tgt Ion: 69 Resp: 2771
 Ion Ratio Lower Upper
 69 100
 41 47.9 30.5 91.5
 39 24.8 15.3 45.8

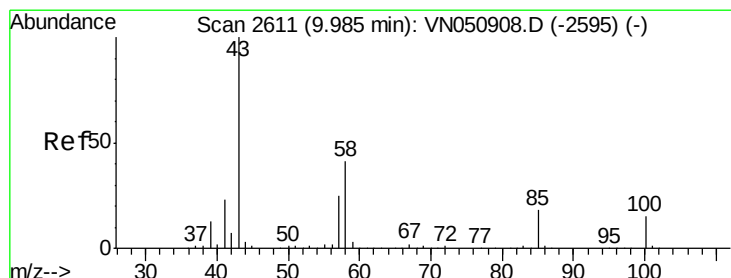
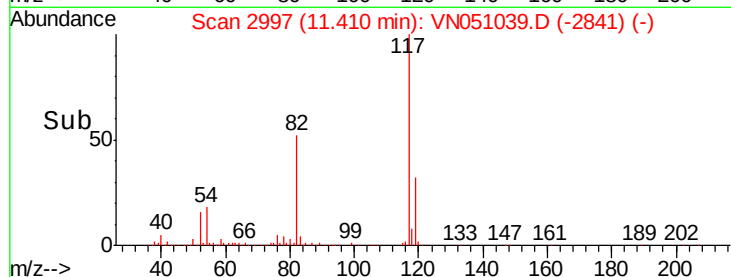
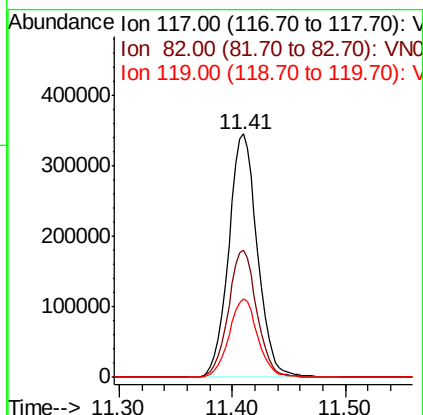
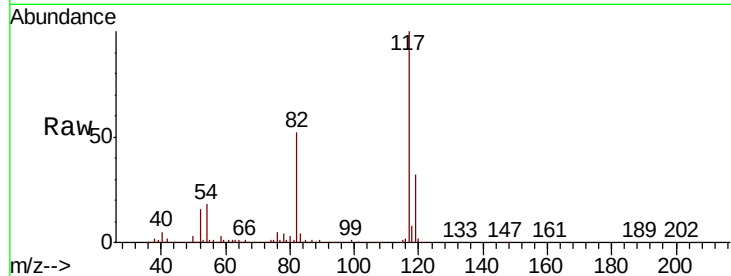




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

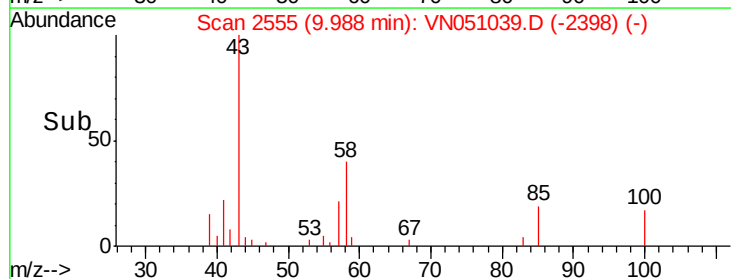
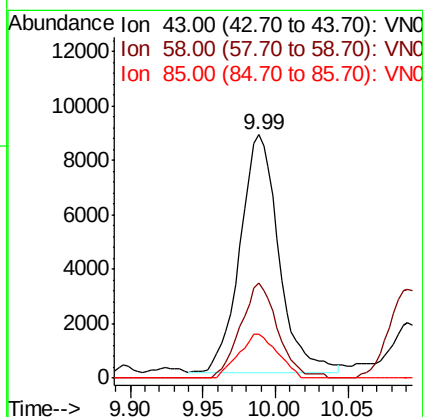
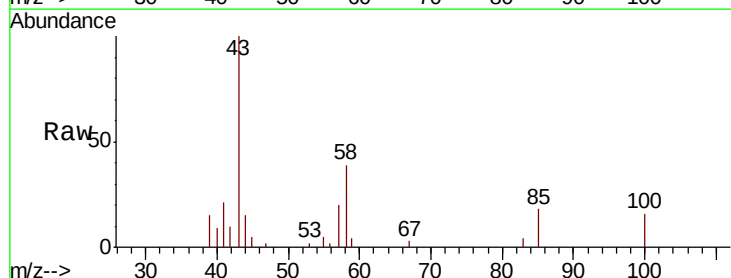
Instrument :
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ClientSampleId :
002M-35TH-AVE

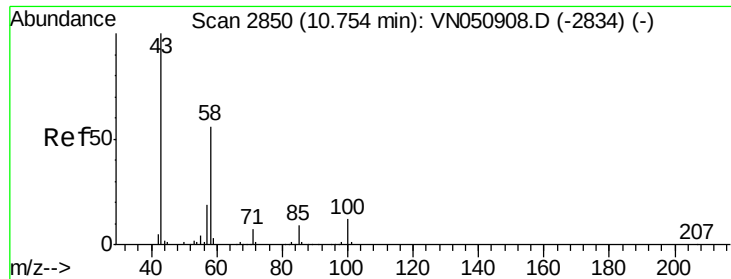
Tot Ion:117 Resp: 607336
Ion Ratio Lower Upper
117 100
82 52.1 42.6 64.0
119 32.3 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 2.33 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

Tgt Ion: 43 Resp: 16195
Ion Ratio Lower Upper
43 100
58 38.1 32.3 48.5
85 18.5 14.9 22.3

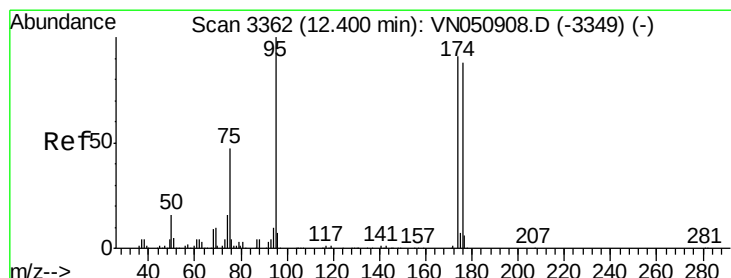
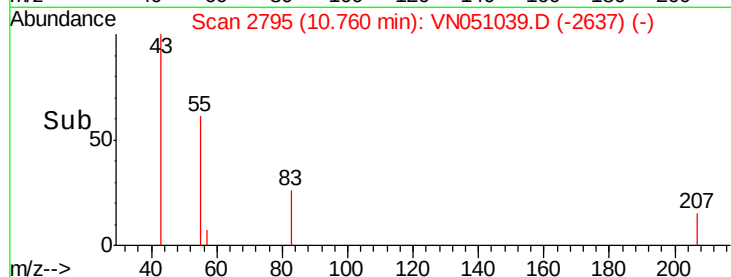
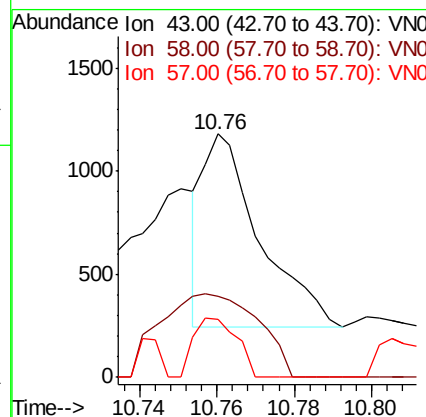
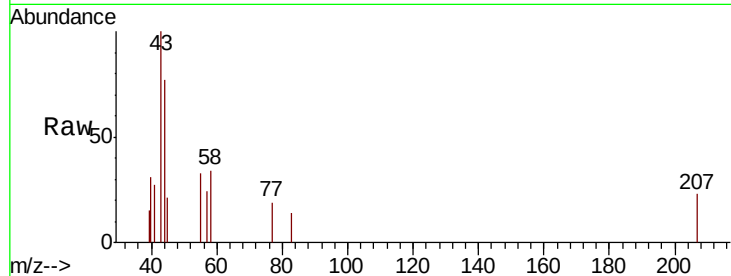




#59
2-Hexanone
Concen: 0.21 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

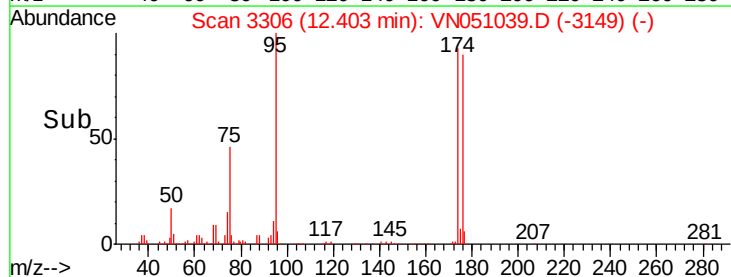
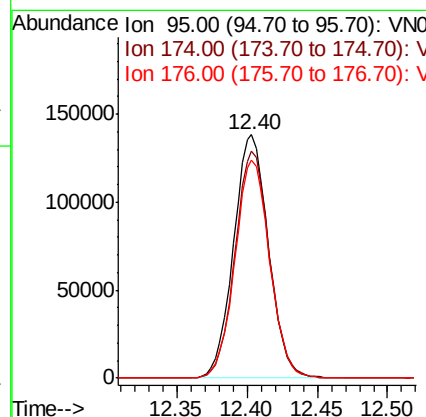
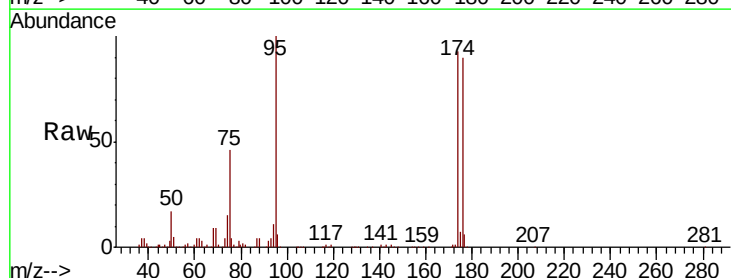
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE

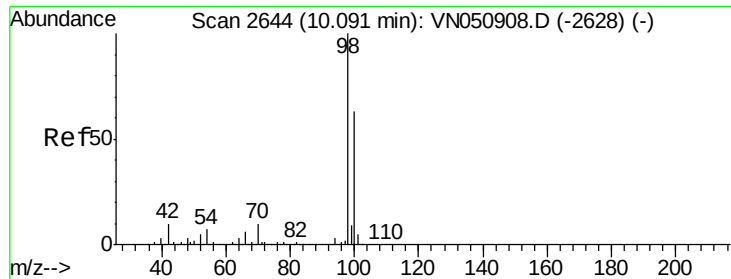
Tot Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
58 75.1 45.5 68.3#
57 23.5 15.2 22.8#



#60
4-Bromofluorobenzene
Concen: 26.50 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

Tgt Ion: 95 Resp: 239355
Ion Ratio Lower Upper
95 100
174 92.3 74.6 112.0
176 89.2 71.5 107.3





#63

Toluene-d8

Concen: 28.79 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN051039.D

Acq: 6 Sep 2018 18:08

Instrument :

MSVOA_N

ClientSampleId :

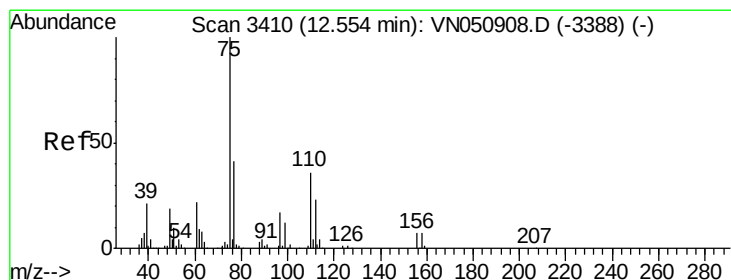
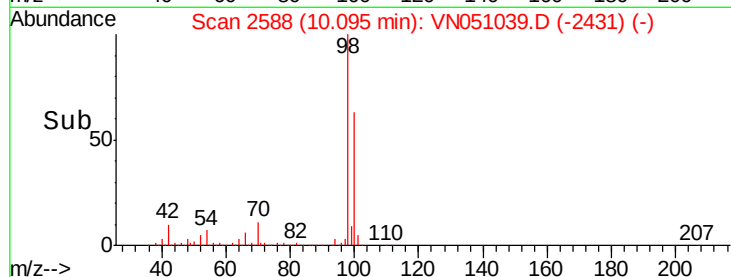
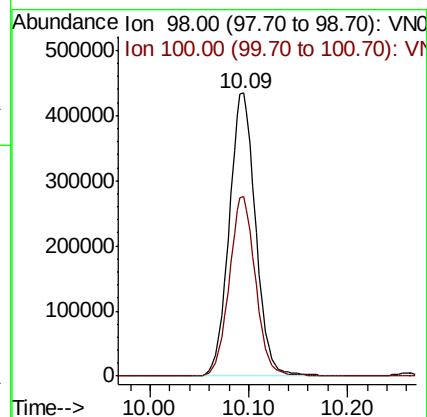
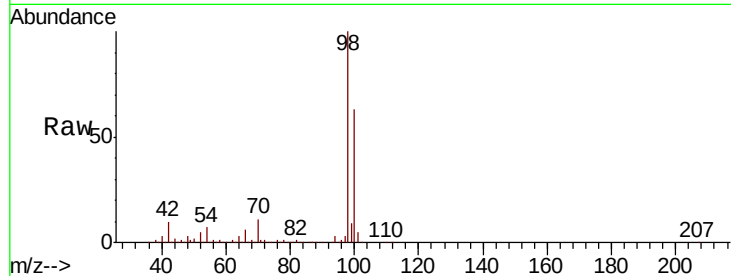
002M-35TH-AVE

Tot Ion: 98 Resp: 815262

Ion Ratio Lower Upper

98 100

100 63.1 50.6 75.8



#72

1,2,3-Trichloropropane

Concen: 13.75 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051039.D

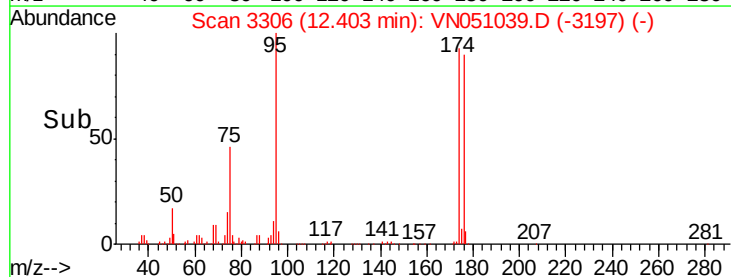
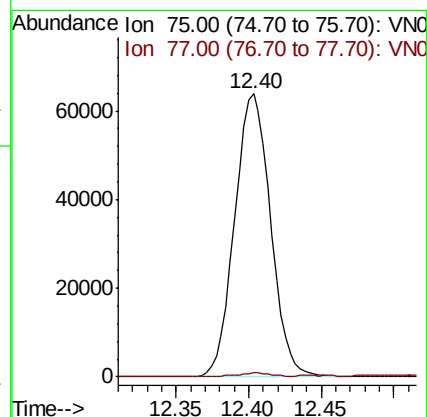
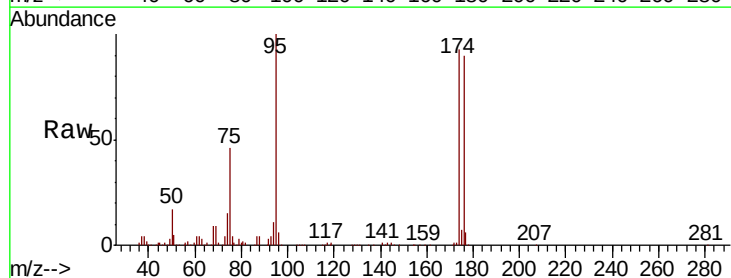
Acq: 6 Sep 2018 18:08

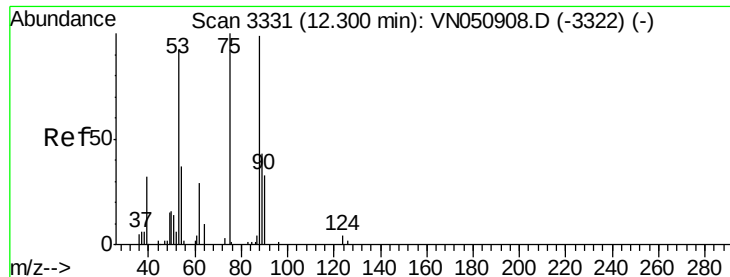
Tgt Ion: 75 Resp: 110134

Ion Ratio Lower Upper

75 100

77 1.5 0.0 301.6

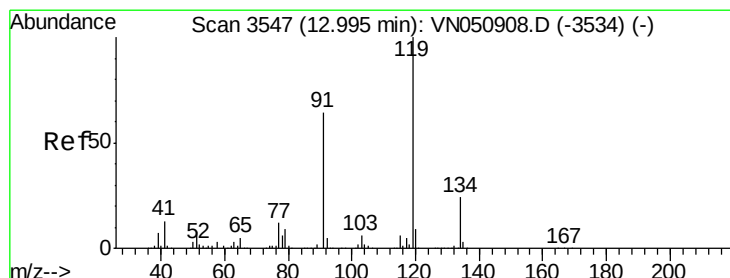
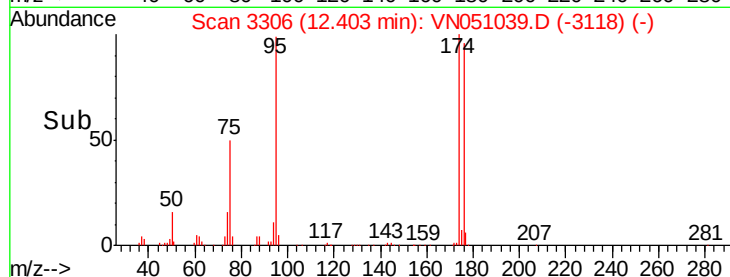
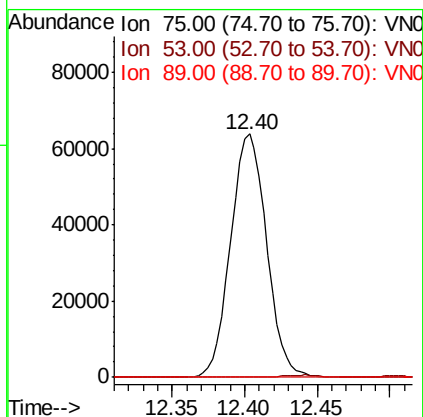
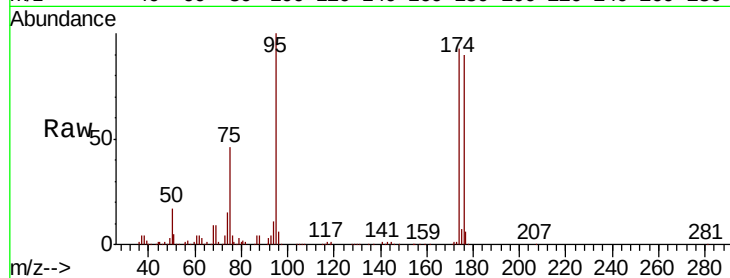




#77
t-1,4-Dichloro-2-butene
Concen: 48.27 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

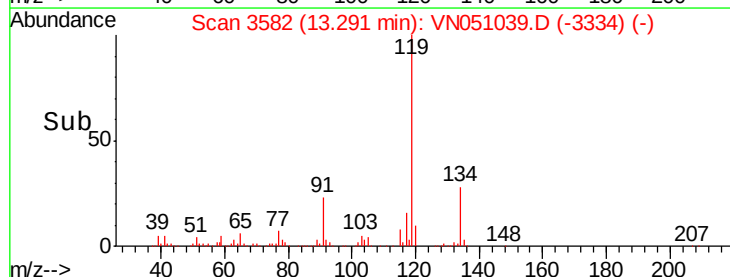
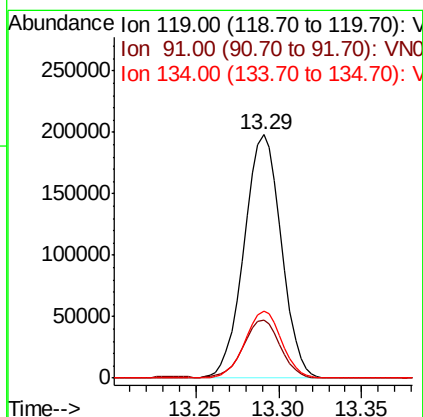
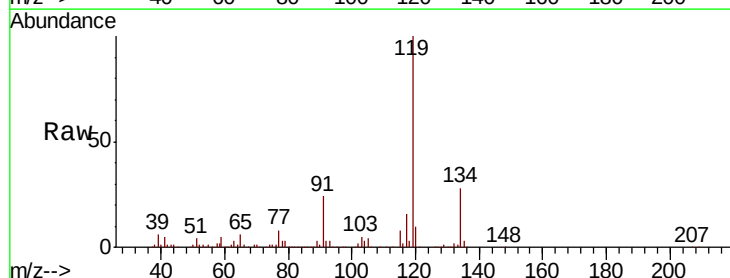
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE

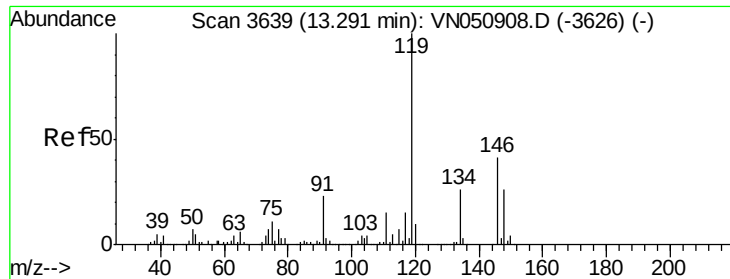
Tot Ion: 75 Resp: 110134
Ion Ratio Lower Upper
75 100
53 0.4 45.5 136.4#
89 0.0 21.9 65.8#



#79
tert-butylbenzene
Concen: 12.66 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.30 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

Tgt Ion: 119 Resp: 308006
Ion Ratio Lower Upper
119 100
91 23.4 0.0 125.6
134 27.5 0.0 48.4

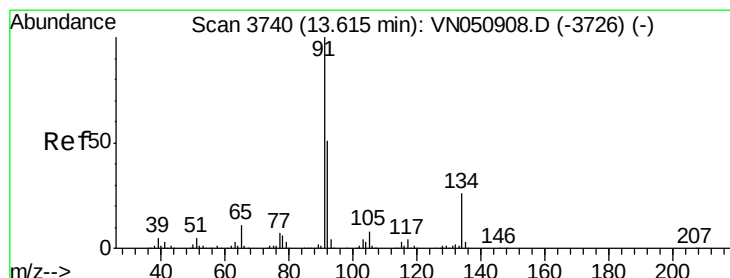
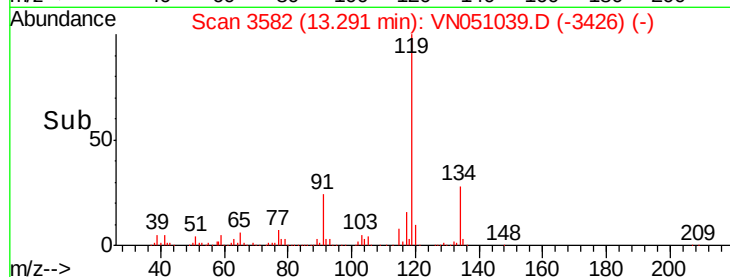
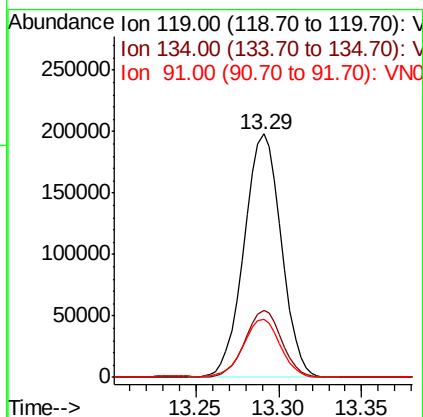
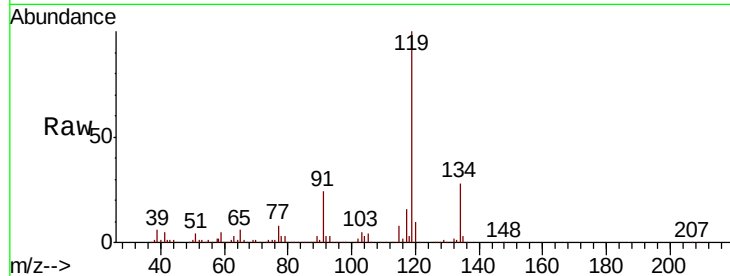




#82
p-Isopropyltoluene
Concen: 11.21 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

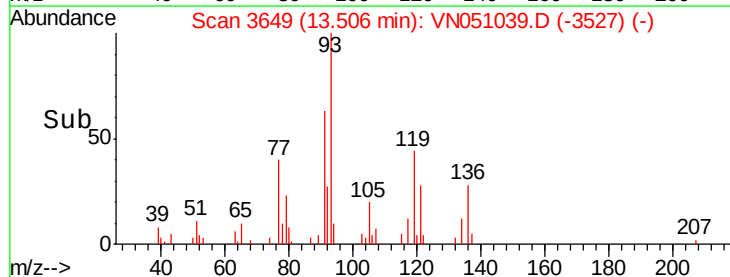
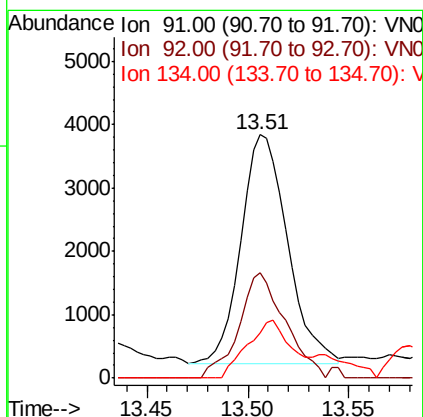
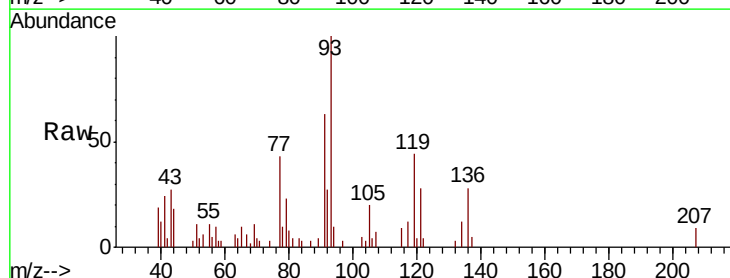
Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE

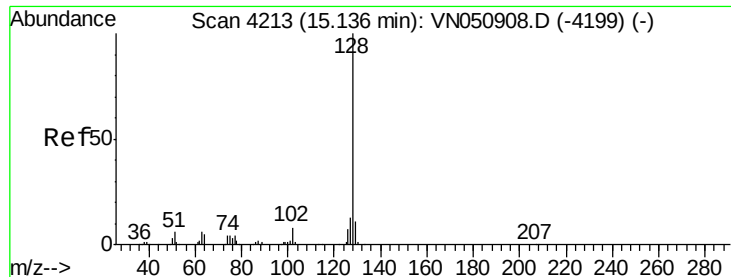
Tot Ion:119 Resp: 308006
Ion Ratio Lower Upper
119 100
134 27.5 0.0 53.2
91 23.4 0.0 46.0



#85
n-Butylbenzene
Concen: 0.28 ug/l
RT: 13.51 min Scan# 3649
Delta R.T. -0.11 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

Tgt Ion: 91 Resp: 5855
Ion Ratio Lower Upper
91 100
92 45.4 0.0 101.8
134 24.4 0.0 52.2





#91
Naphthalene
Concen: 8.72 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051039.D
Acq: 6 Sep 2018 18:08

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.6	16.0#
129	2.2	8.7	13.1#

