

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051636.D
 Acq On : 1 Oct 2018 14:28
 Operator : MD\SY
 Sample : J5166-02
 Misc : Sample
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Quant Time: Oct 02 01:01:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	95039	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	477022	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	430900	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	206031	31.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.77%
60) 4-Bromofluorobenzene	12.40	95	159721	24.11	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	80.37%
63) Toluene-d8	10.09	98	558110	27.45	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	91.50%

Target Compounds

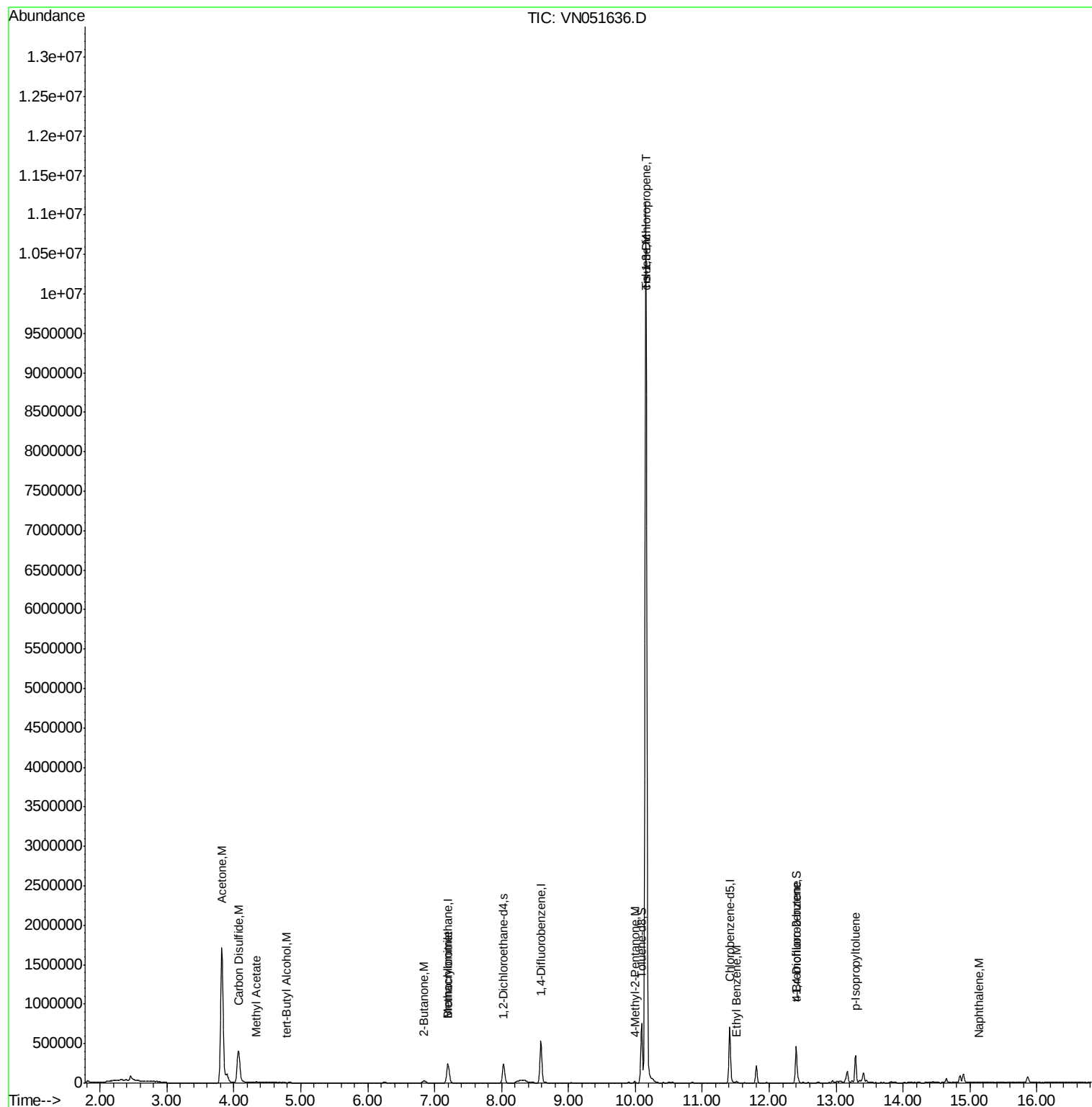
					Ovalue	
12) Methyl Acetate	4.33	43	4824	0.952	ug/l	92
15) Acetone	3.82	58	949874	1786.140	ug/l	98
16) Carbon Disulfide	4.06	76	10625	0.575	ug/l	98
23) tert-Butyl Alcohol	4.79	59	300	0.773	ug/l #	100
30) 2-Butanone	6.84	43	39680	17.924	ug/l #	76
35) Methacrylonitrile	7.21	41	1427	0.573	ug/l #	65
49) cis-1,3-Dichloropropene	10.16	75	56246	6.012	ug/l #	1
58) 4-Methyl-2-Pentanone	9.99	43	16162	3.304	ug/l #	93
62) Toluene	10.16	91	8844820	334.758	ug/l	100
66) Ethyl Benzene	11.51	91	11284	0.417	ug/l	92
77) t-1,4-Dichloro-2-butene	12.40	75	77609	44.641	ug/l #	11
82) p-Isopropyltoluene	13.29	119	181692	8.011	ug/l	97
91) Naphthalene	15.14	128	1826	8.391	ug/l #	81

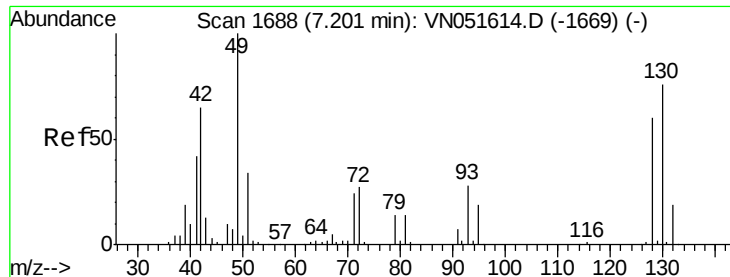
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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002M-35TH-AVE(AUG)

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Response via : Initial Calibration

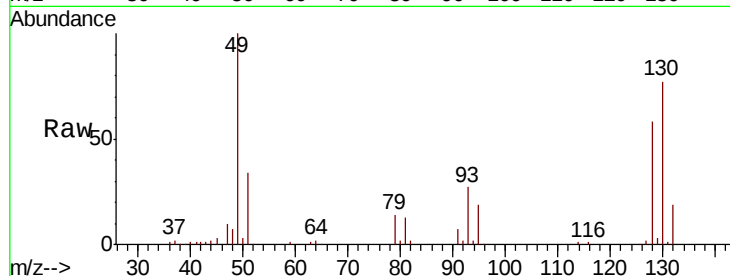




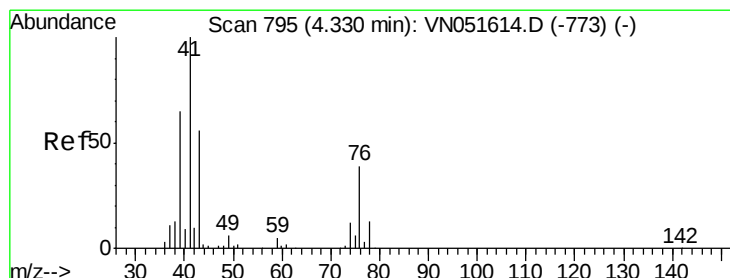
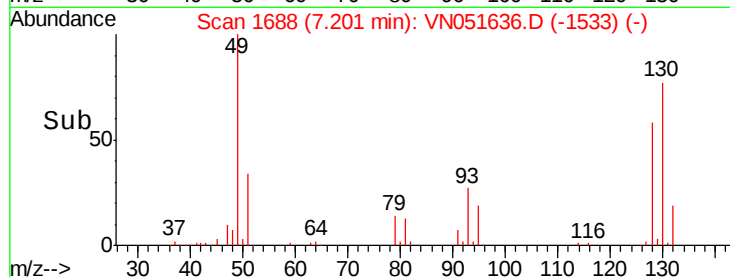
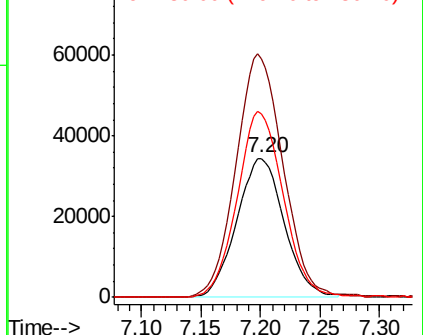
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. -0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Tot Ion:128 Resp: 95039
 Ion Ratio Lower Upper
 128 100
 49 172.9 0.0 426.8
 130 129.9 0.0 326.3

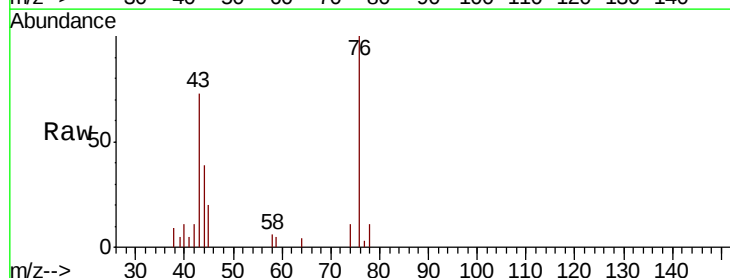


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): V
 Ion 130.00 (129.70 to 130.70): V

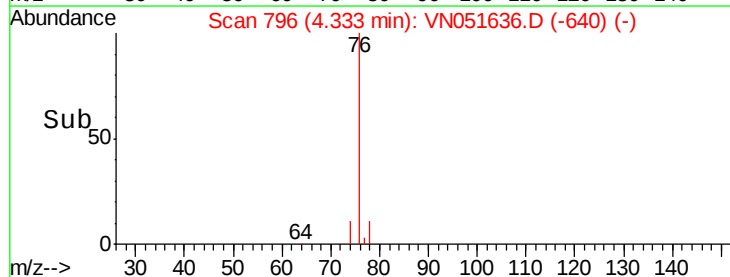
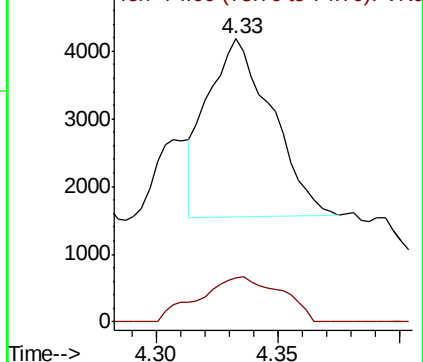


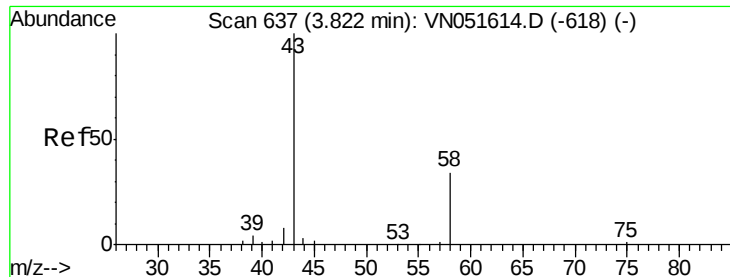
#12
 Methyl Acetate
 Concen: 0.952 ug/l
 RT: 4.33 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Tgt Ion: 43 Resp: 4824
 Ion Ratio Lower Upper
 43 100
 74 24.8 17.0 25.4



Abundance Ion 43.00 (42.70 to 43.70): V
 Ion 74.00 (73.70 to 74.70): V





#15

Acetone

Concen: 1786.140 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051636.D

Acq: 1 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

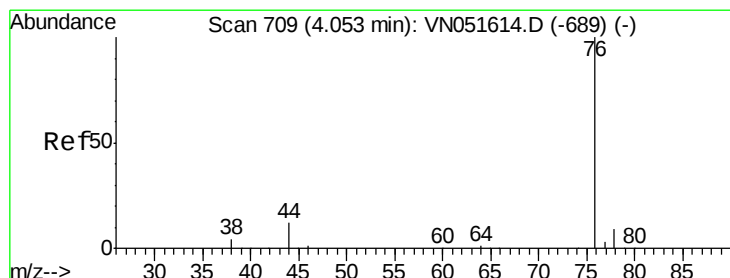
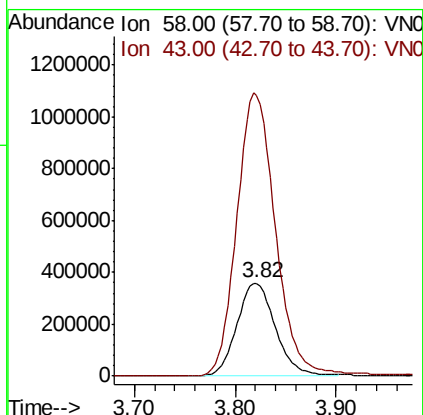
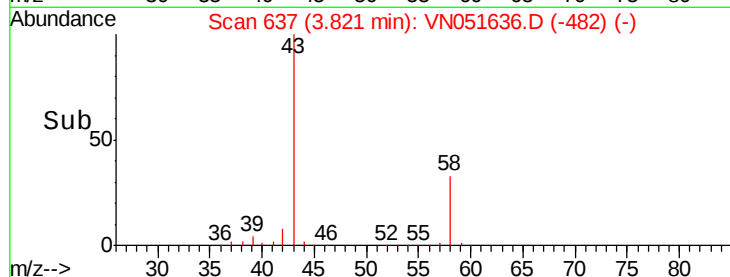
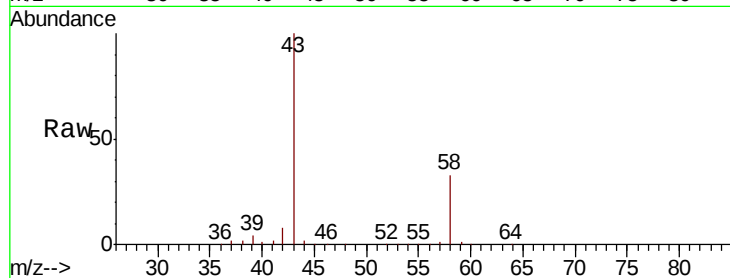
002M-35TH-AVE(AUG)

Tot Ion: 58 Resp: 949874

Ion Ratio Lower Upper

58 100

43 301.7 238.0 357.0



#16

Carbon Disulfide

Concen: 0.575 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN051636.D

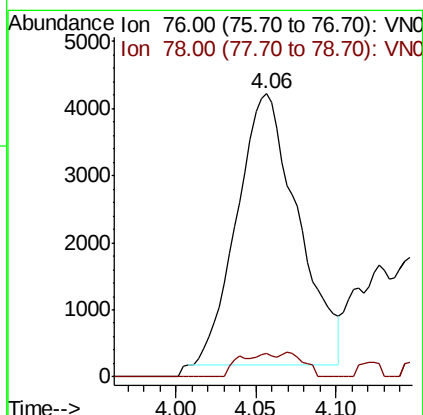
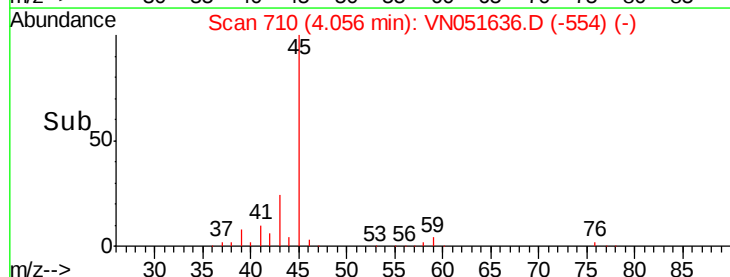
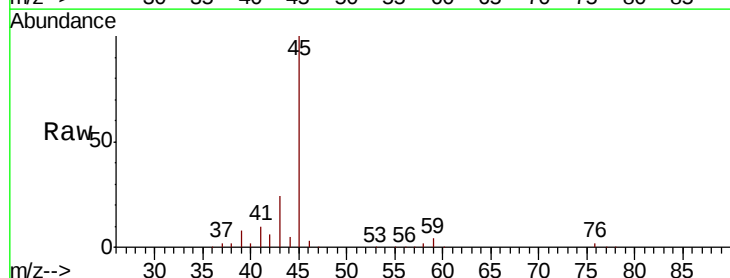
Acq: 1 Oct 2018 14:28

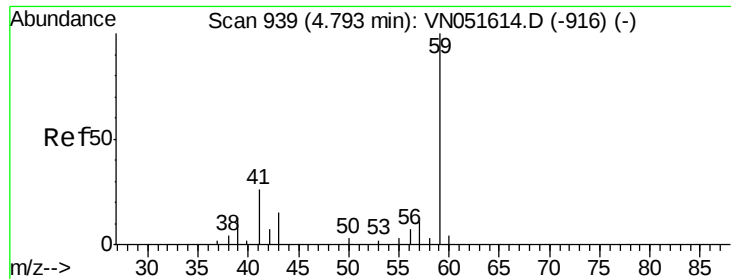
Tgt Ion: 76 Resp: 10625

Ion Ratio Lower Upper

76 100

78 8.5 7.3 10.9





#23

tert-Butyl Alcohol

Concen: 0.773 ug/l

RT: 4.79 min Scan# 939

Delta R.T. -0.00 min

Lab File: VN051636.D

Acq: 1 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

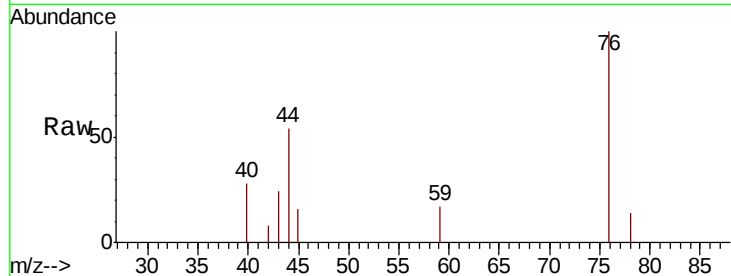
002M-35TH-AVE(AUG)

Tot Ion: 59 Resp: 300

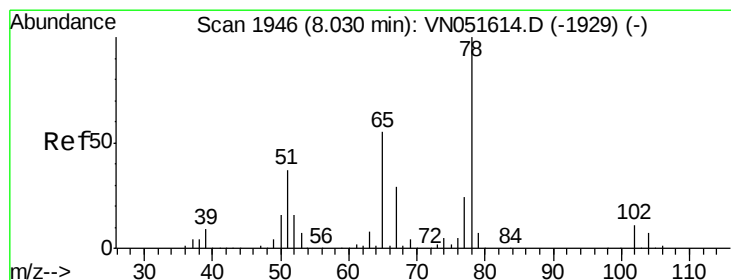
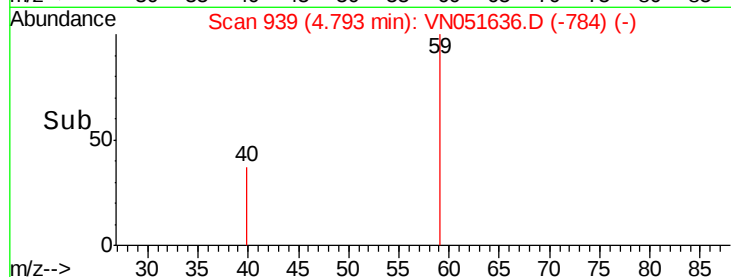
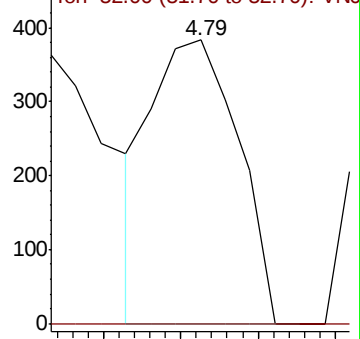
Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



Abundance Ion 59.00 (58.70 to 59.70): VN051636.D (-784) (-)



#27

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051636.D

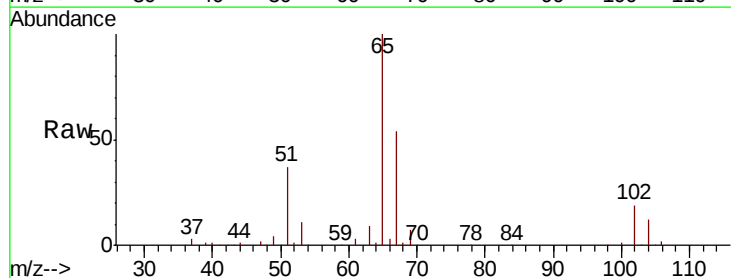
Acq: 1 Oct 2018 14:28

Tgt Ion: 65 Resp: 206031

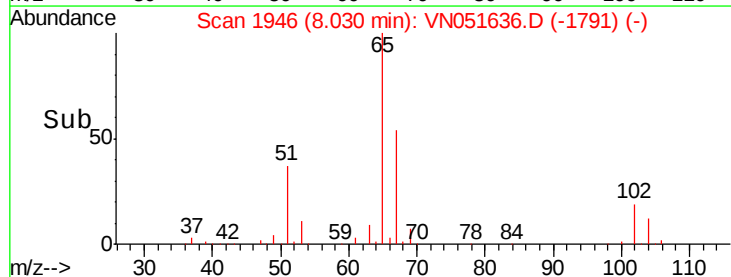
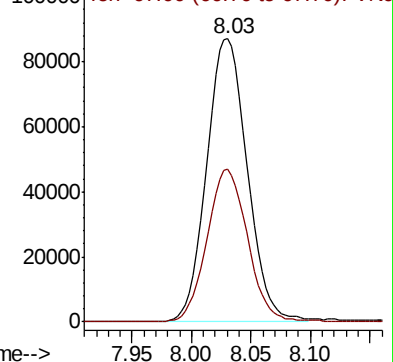
Ion Ratio Lower Upper

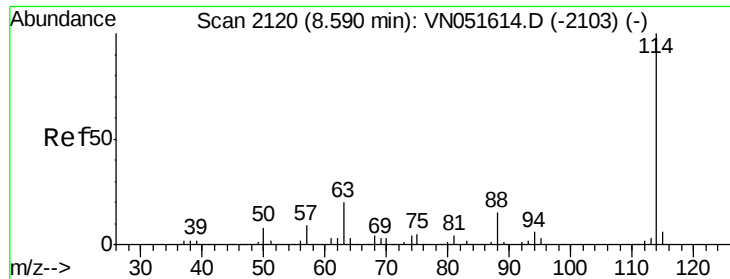
65 100

67 53.7 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VN051636.D (-1791) (-)

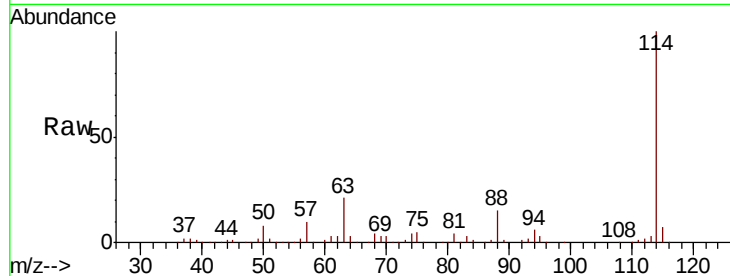




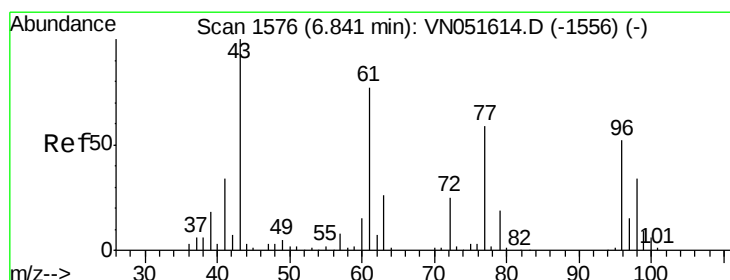
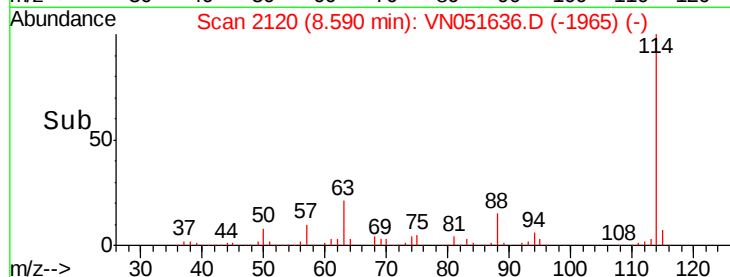
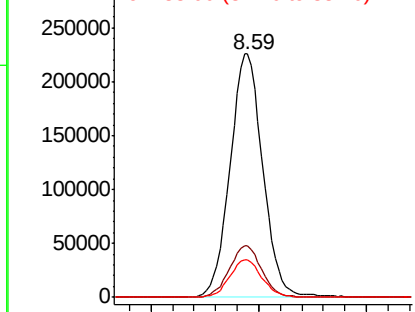
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2120
 Delta R.T. -0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Instrument :
 MSVOA_N
 ClientSampleId :
 002M-35TH-AVE(AUG)

Tot Ion:114 Resp: 477022
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.4 24.6
 88 15.3 12.6 18.8

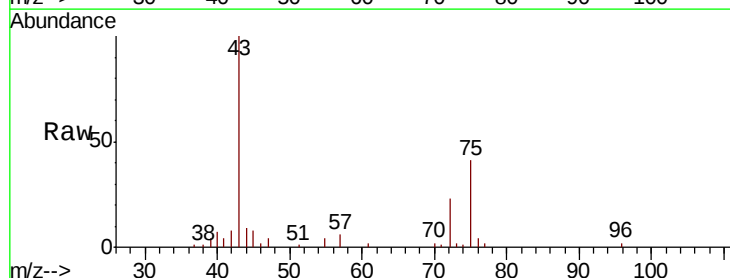


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 88.00 (87.70 to 88.70): VN

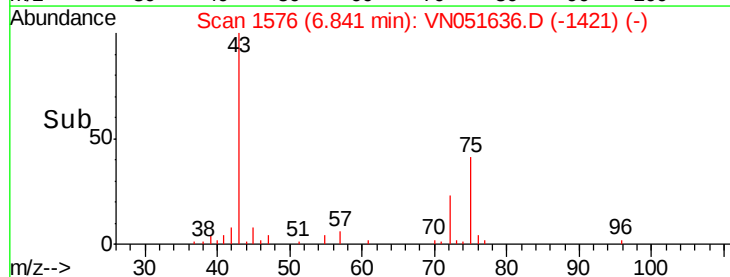
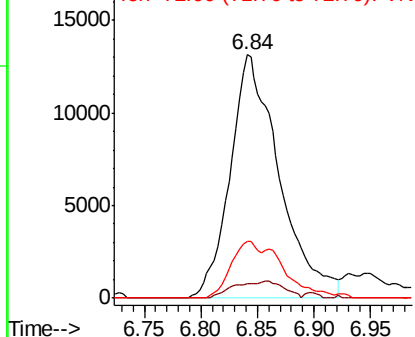


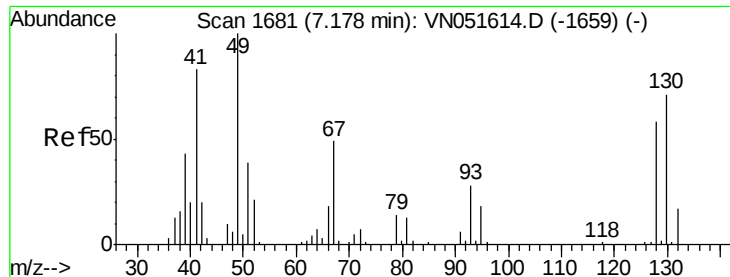
#30
 2-Butanone
 Concen: 17.924 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051636.D
 Acq: 1 Oct 2018 14:28

Tgt Ion: 43 Resp: 39680
 Ion Ratio Lower Upper
 43 100
 57 0.0 6.6 10.0#
 72 13.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 57.00 (56.70 to 57.70): VN
 Ion 72.00 (71.70 to 72.70): VN

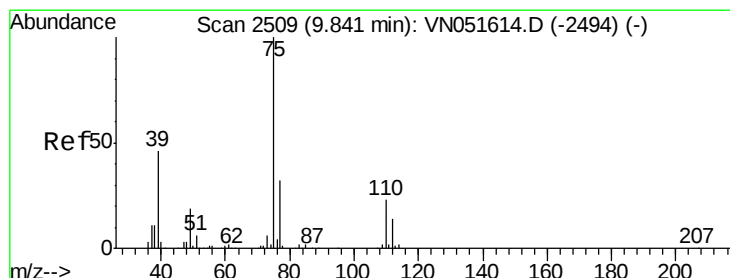
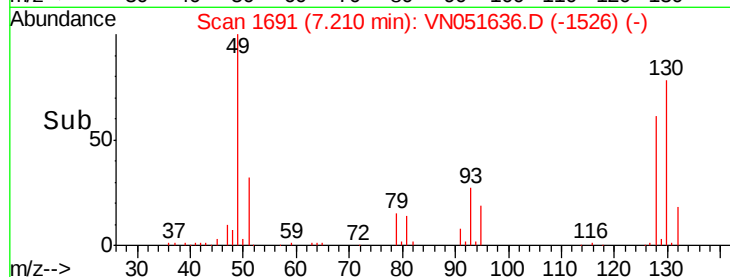
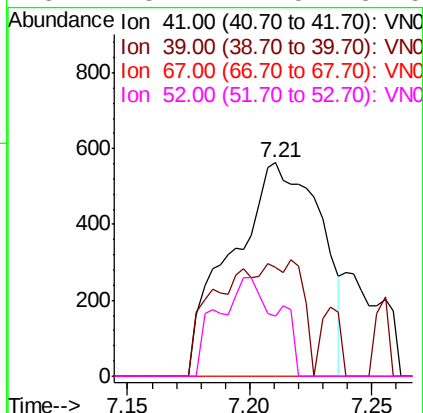
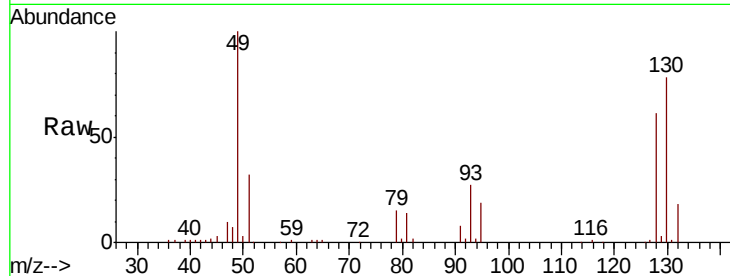




#35
Methacrylonitrile
Concen: 0.573 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.03 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

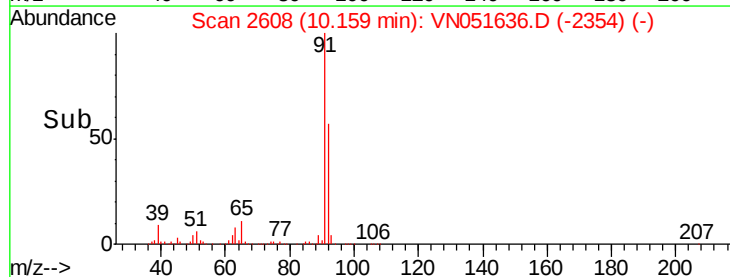
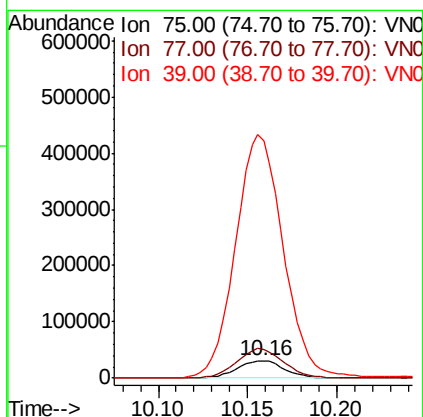
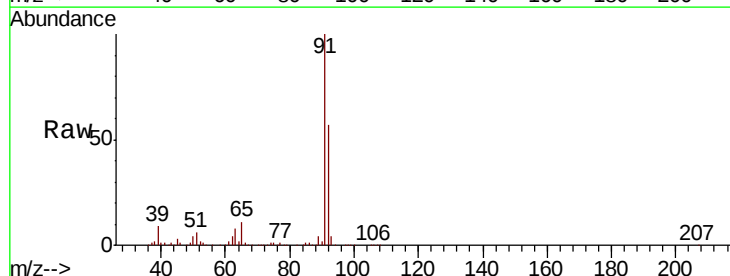
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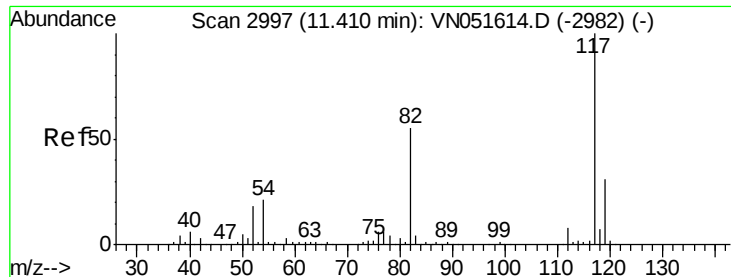
Tot Ion: 41 Resp: 1427
Ion Ratio Lower Upper
41 100
39 51.2 25.6 76.8
67 0.0 29.4 88.2#
52 28.1 12.5 37.5



#49
cis-1,3-Dichloropropene
Concen: 6.012 ug/l
RT: 10.16 min Scan# 2608
Delta R.T. 0.32 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Tgt Ion: 75 Resp: 56246
Ion Ratio Lower Upper
75 100
77 162.2 25.4 38.0#
39 1353.9 36.6 55.0#

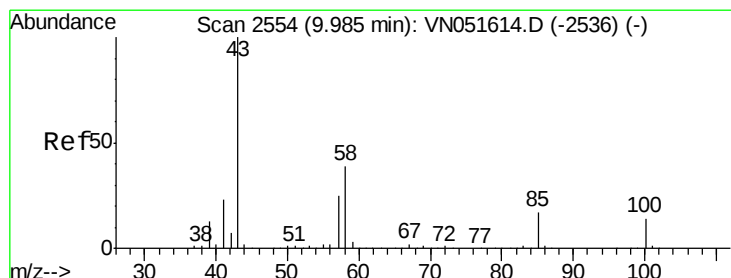
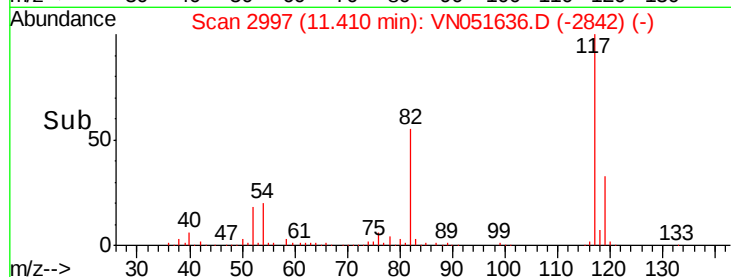
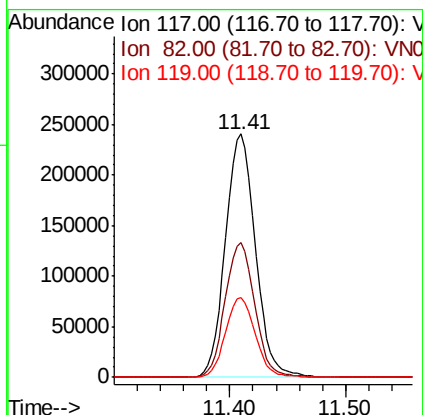
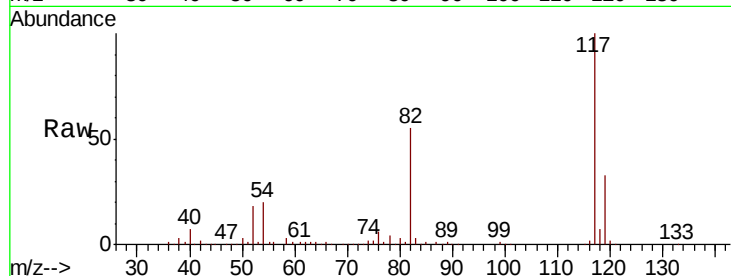




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

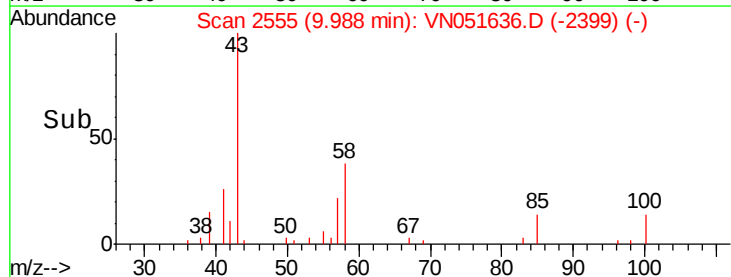
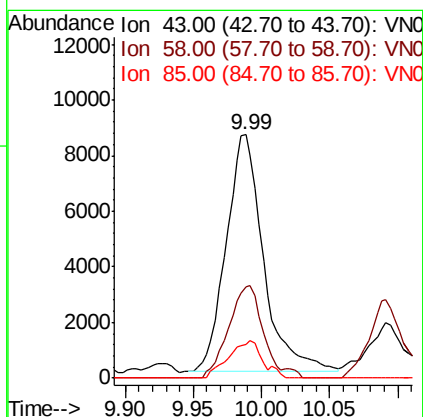
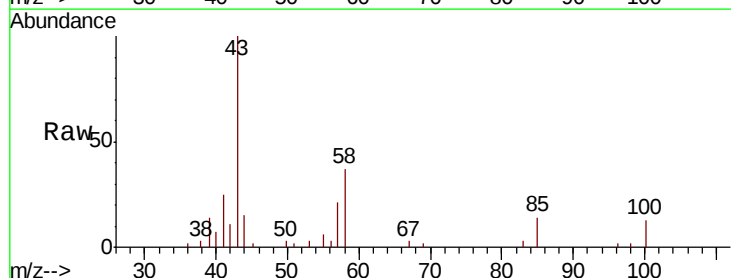
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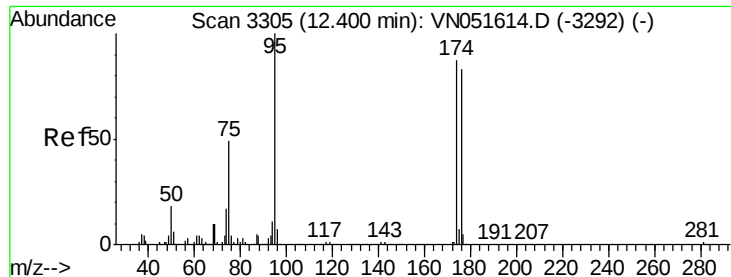
Tot Ion:117 Resp: 430900
Ion Ratio Lower Upper
117 100
82 54.8 44.2 66.2
119 32.6 25.2 37.8



#58
4-Methyl-2-Pentanone
Concen: 3.304 ug/l
RT: 9.99 min Scan# 2555
Delta R.T. 0.00 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Tgt Ion: 43 Resp: 16162
Ion Ratio Lower Upper
43 100
58 35.0 31.0 46.4
85 13.4 13.4 20.2#





#60

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051636.D

Acq: 1 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(AUG)

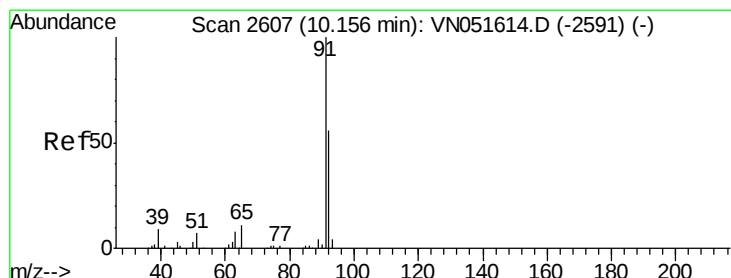
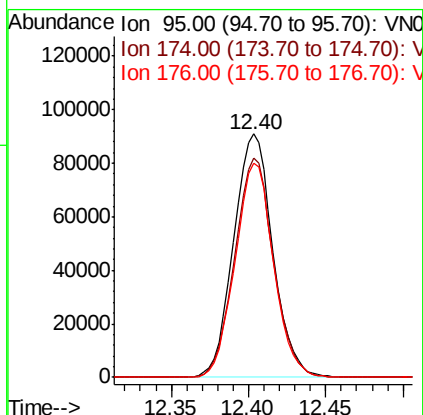
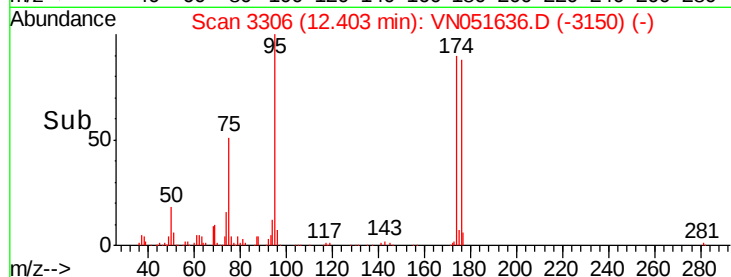
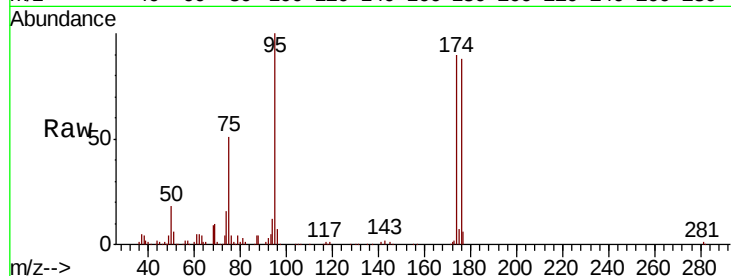
Tot Ion: 95 Resp: 159721

Ion Ratio Lower Upper

95 100

174 89.5 71.2 106.8

176 86.6 67.8 101.8



#62

Toluene

Concen: 334.758 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051636.D

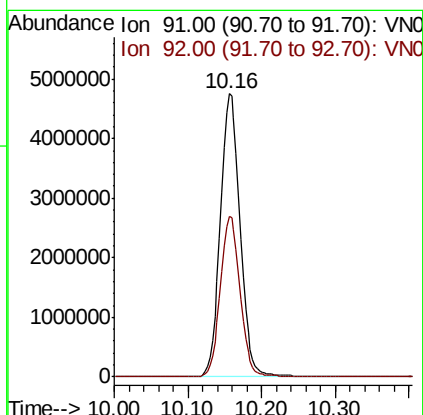
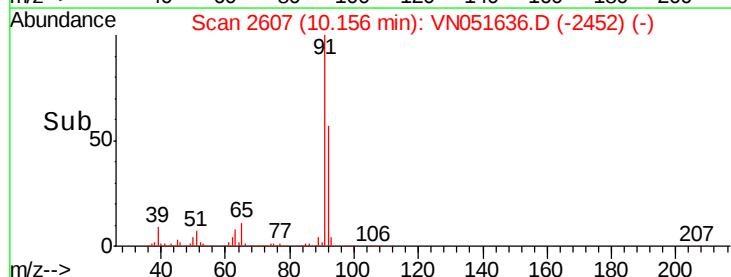
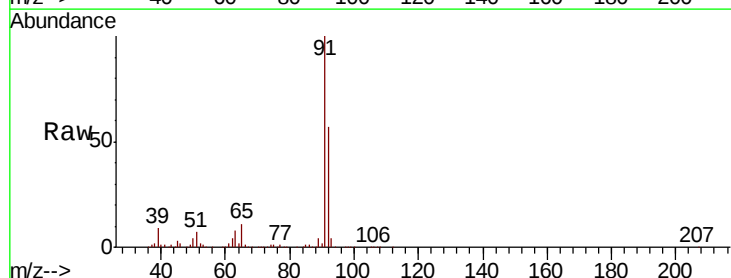
Acq: 1 Oct 2018 14:28

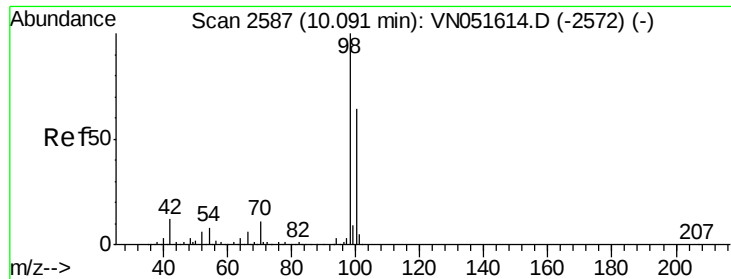
Tgt Ion: 91 Resp: 8844820

Ion Ratio Lower Upper

91 100

92 56.9 45.3 67.9





#63

Toluene-d8

Concen: 334.758 ug/l

RT: 10.09 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN051636.D

Acq: 1 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

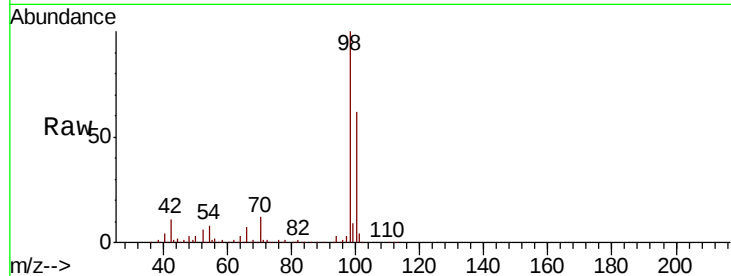
002M-35TH-AVE(AUG)

Tot Ion: 98 Resp: 558110

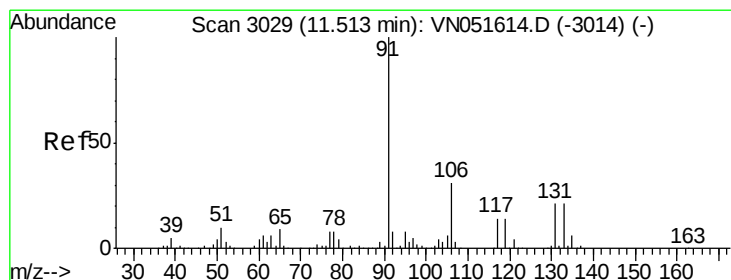
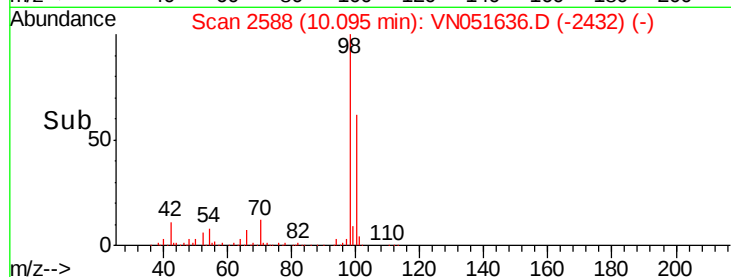
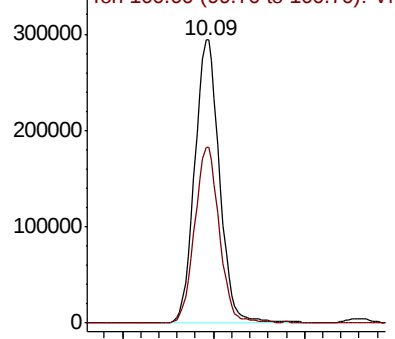
Ion Ratio Lower Upper

98 100

100 61.8 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN051614.D (-2572) (-)



#66

Ethyl Benzene

Concen: 0.417 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN051636.D

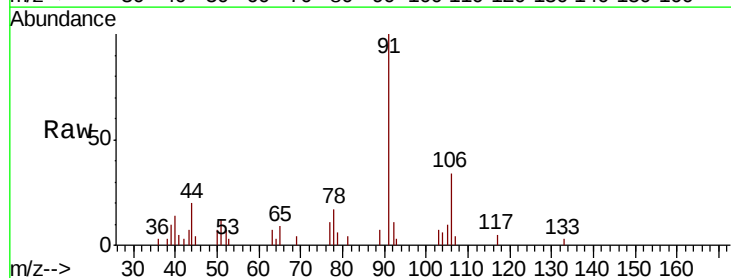
Acq: 1 Oct 2018 14:28

Tgt Ion: 91 Resp: 11284

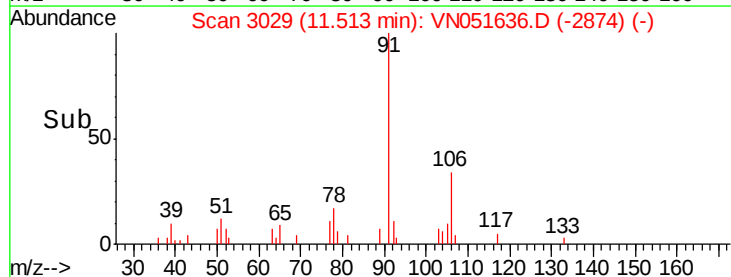
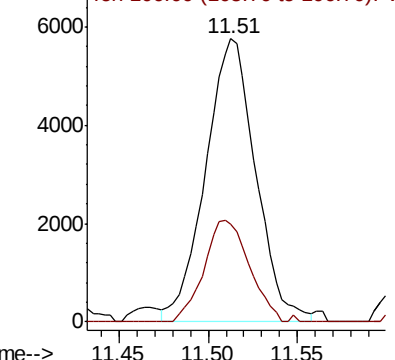
Ion Ratio Lower Upper

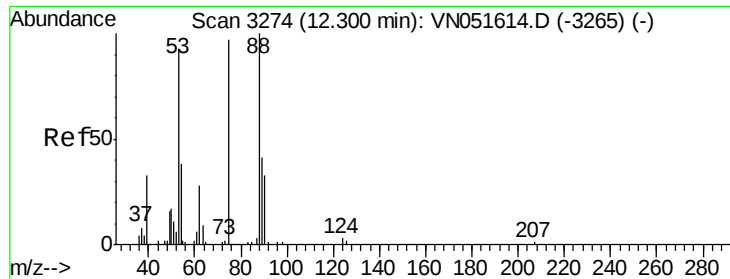
91 100

106 35.5 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN051614.D (-3014) (-)



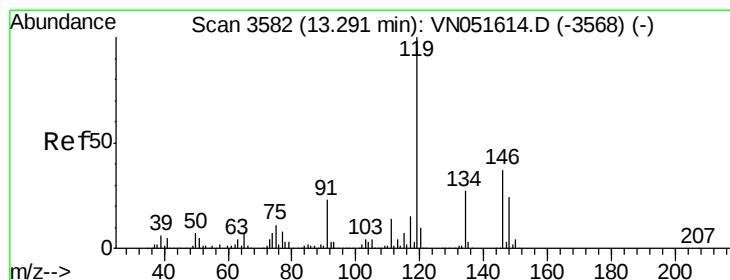
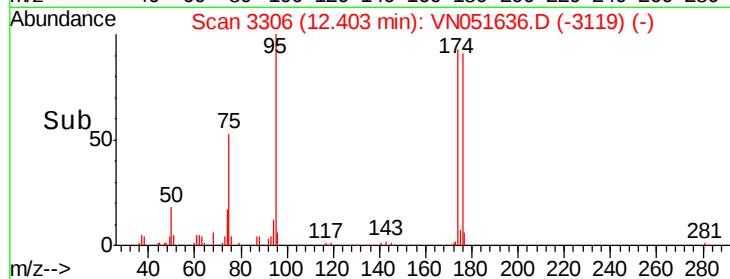
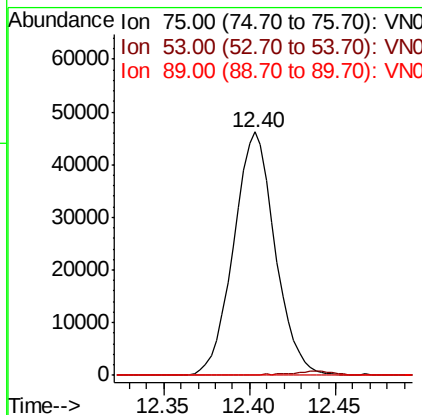
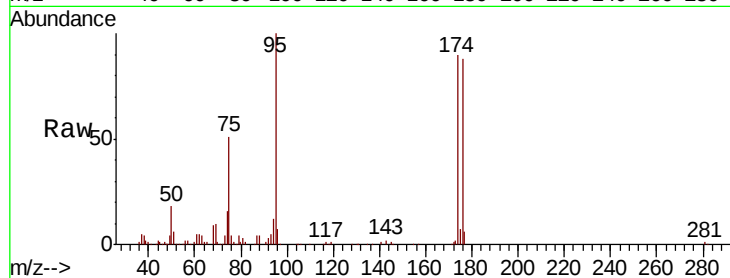


#77
t-1,4-Dichloro-2-butene
Concen: 44.641 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Instrument :
MSVOA_N
ClientSampleId :
002M-35TH-AVE(AUG)

Tot Ion: 75 Resp: 77609

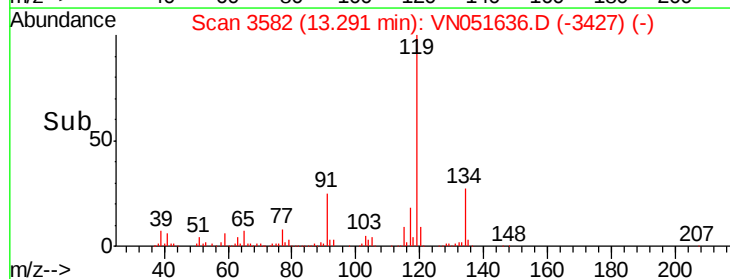
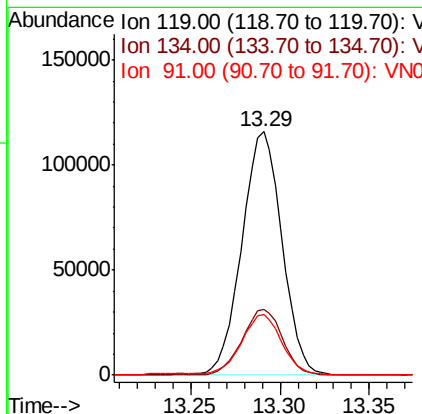
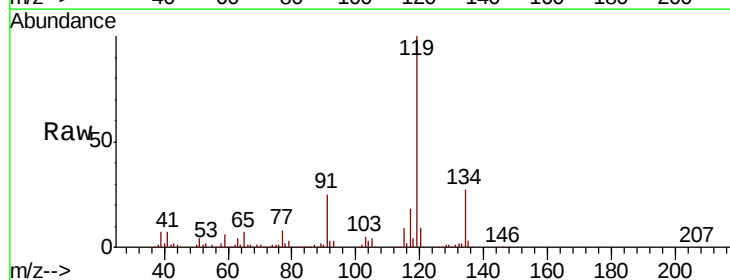
Ion	Ratio	Lower	Upper
75	100		
53	0.4	48.1	144.4#
89	0.0	22.4	67.3#

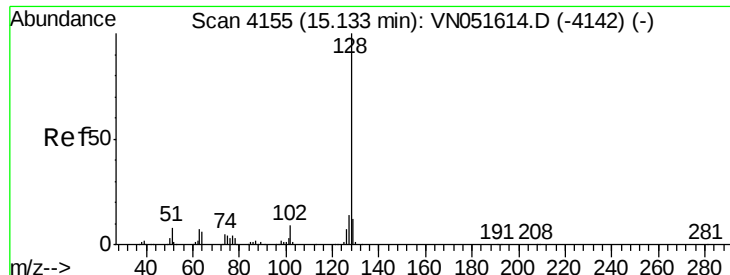


#82
p-Isopropyltoluene
Concen: 8.011 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN051636.D
Acq: 1 Oct 2018 14:28

Tgt Ion: 119 Resp: 181692

Ion	Ratio	Lower	Upper
119	100		
134	27.2	0.0	52.0
91	24.7	0.0	46.0





#91

Naphthalene

Concen: 8.391 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051636.D

Acq: 1 Oct 2018 14:28

Instrument :

MSVOA_N

ClientSampleId :

002M-35TH-AVE(AUG)

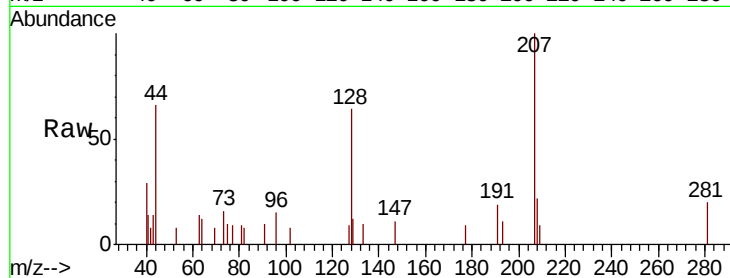
Tot Ion:128 Resp: 1826

Ion Ratio Lower Upper

128 100

127 3.6 10.8 16.2#

129 6.6 9.1 13.7#



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

