

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051604.D
 Acq On : 28 Sep 2018 00:14
 Operator : MD\SY
 Sample : J5100-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HS-STONE-RO-227

Quant Time: Sep 28 01:56:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	633624	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1049810	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	885895	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303338	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	469041	59.09	ug/l	0.00
Spiked Amount			Recovery	=	118.18%	
35) Dibromofluoromethane	7.59	113	406350	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
50) Toluene-d8	10.09	98	1453996	45.99	ug/l	0.00
Spiked Amount			Recovery	=	91.98%	
62) 4-Bromofluorobenzene	12.40	95	386779	37.82	ug/l	0.00
Spiked Amount			Recovery	=	75.64%	

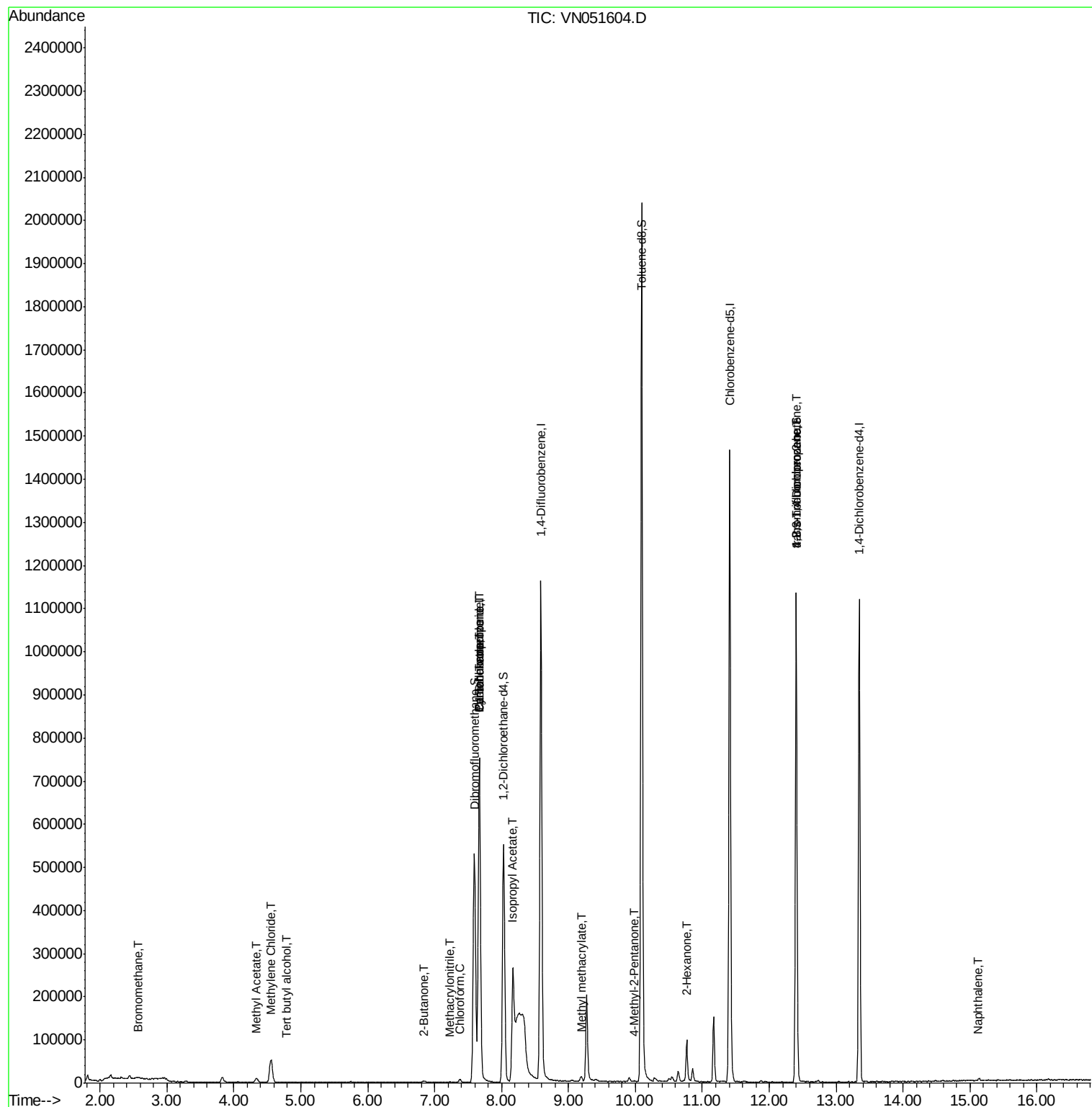
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	936	0.209	ug/l #	80
11) Tert butyl alcohol	4.80	59	833	1.860	ug/l #	78
16) Acetone	3.82	43	19517	Below Cal		94
18) Methyl Acetate	4.34	43	18460	3.054	ug/l #	69
20) Methylene Chloride	4.55	84	39888	5.078	ug/l	96
25) 2-Butanone	6.85	43	4027	1.482	ug/l #	86
30) Chloroform	7.38	83	8464	0.626	ug/l	96
31) Cyclohexane	7.66	56	12742	1.019	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	46220	3.802	ug/l #	49
38) Carbon Tetrachloride	7.67	117	58665	4.614	ug/l #	16
41) Methacrylonitrile	7.23	41	1028	0.266	ug/l #	26
43) Isopropyl Acetate	8.17	43	340117	26.909	ug/l #	89
48) Methyl methacrylate	9.18	41	6024	0.956	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	1681	0.242	ug/l #	83
59) 2-Hexanone	10.77	43	13104	2.908	ug/l	62
76) 1,2,3-Trichloropropane	12.40	75	191301	37.990	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	191301	116.816	ug/l #	13
95) Naphthalene	15.13	128	4959	8.413	ug/l #	94

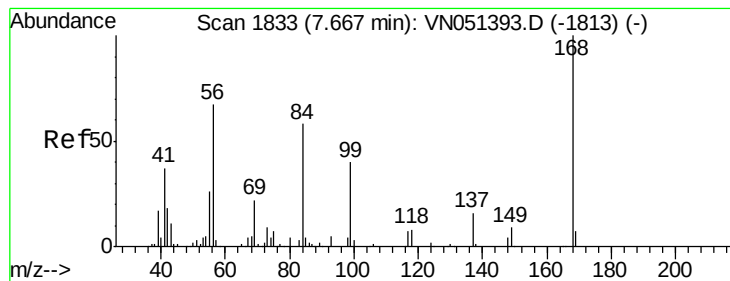
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

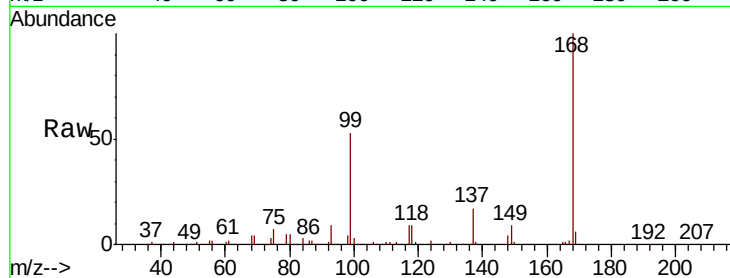
Instrument :
MSVOA_N
ClientSampleId :
HS-STONE-RO-227

Tot Ion:168 Resp: 633624

Ion Ratio Lower Upper

168 100

99 52.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

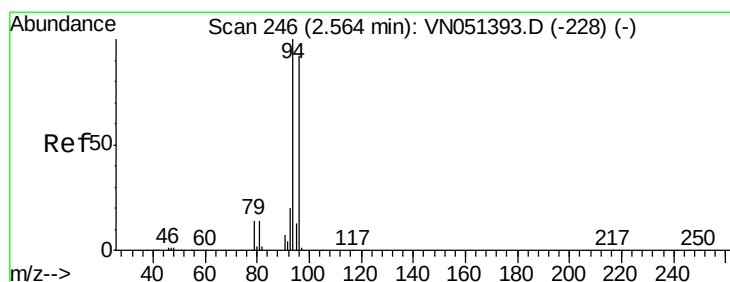
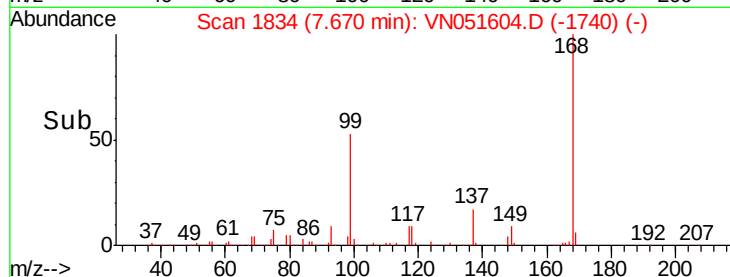
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.209 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051604.D

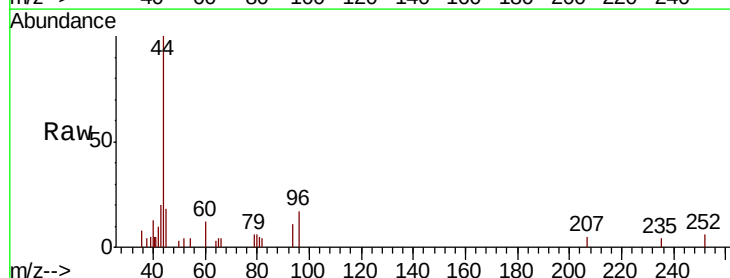
Acq: 28 Sep 2018 00:14

Tgt Ion: 94 Resp: 936

Ion Ratio Lower Upper

94 100

96 111.3 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

800

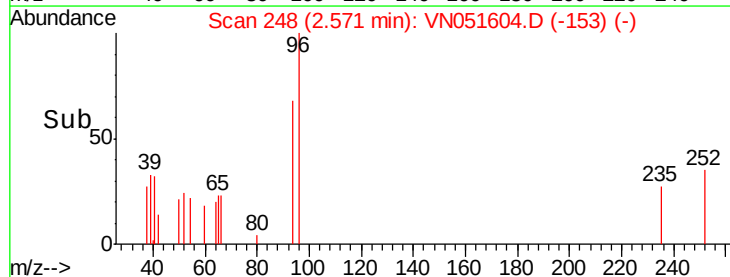
600

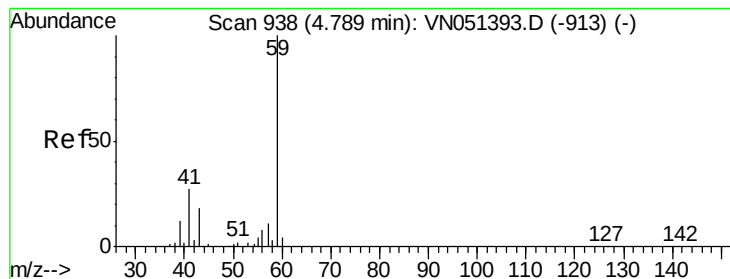
400

200

0

Time-->



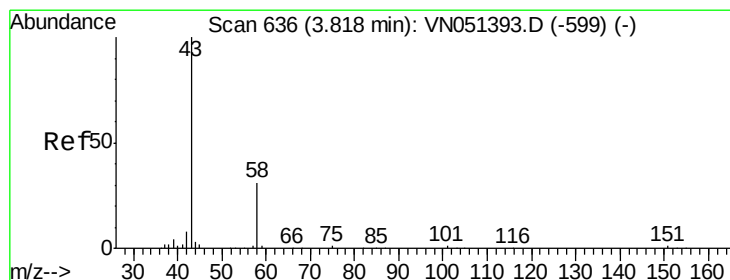
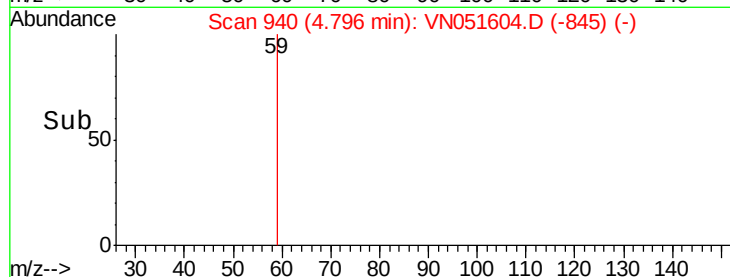
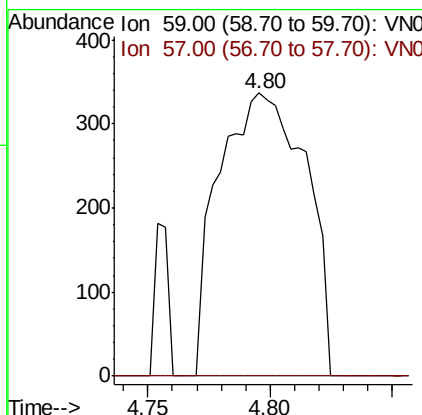
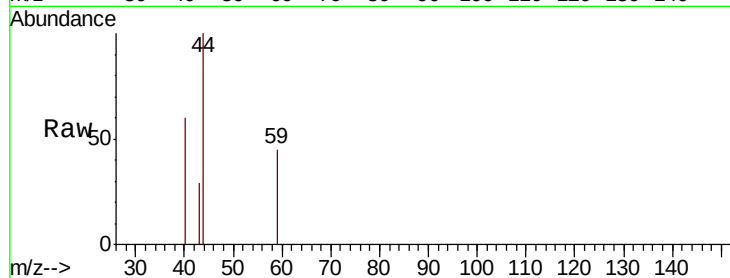


#11

Tert butyl alcohol
 Concen: 1.860 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN051604.D
 Acq: 28 Sep 2018 00:14

Instrument :
 MSVOA_N
 ClientSampleId :
 HS-STONE-RO-227

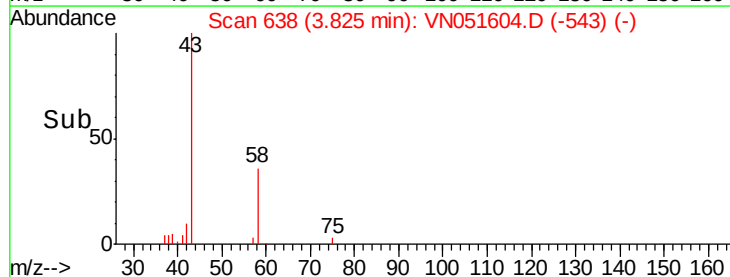
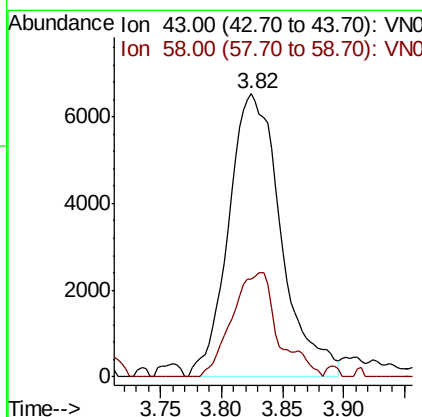
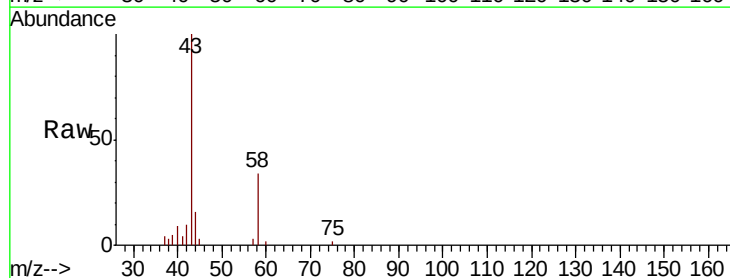
Tot Ion: 59 Resp: 833
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.2 9.2#

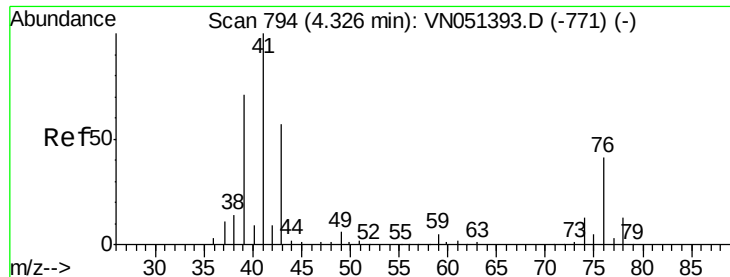


#16

Acetone
 Concen: Below Cal
 RT: 3.82 min Scan# 638
 Delta R.T. 0.01 min
 Lab File: VN051604.D
 Acq: 28 Sep 2018 00:14

Tgt Ion: 43 Resp: 19517
 Ion Ratio Lower Upper
 43 100
 58 34.4 25.0 37.4

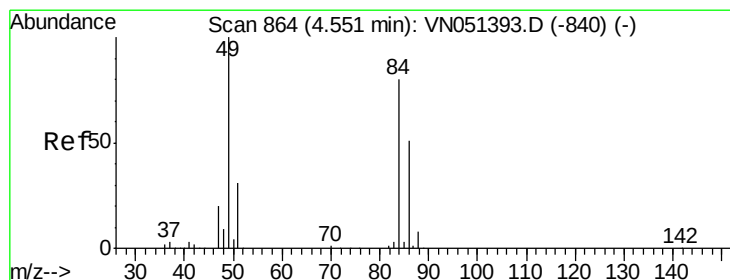
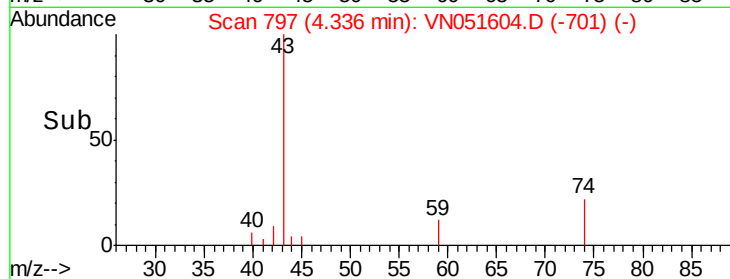
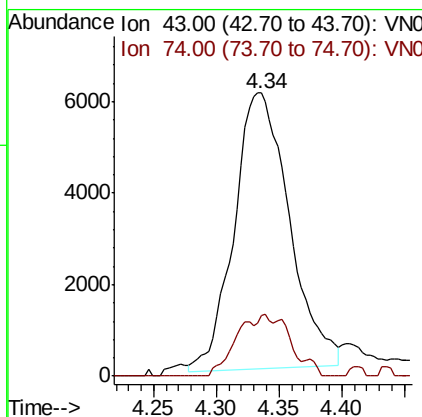
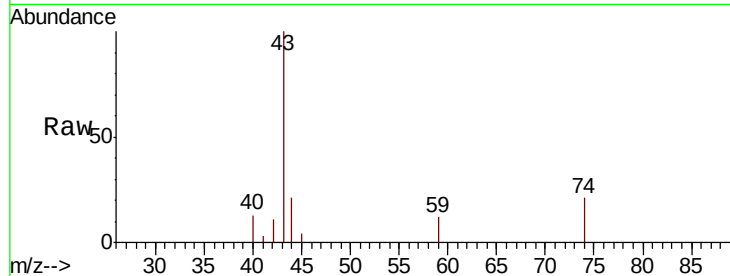




#18
Methyl Acetate
Concen: 3.054 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

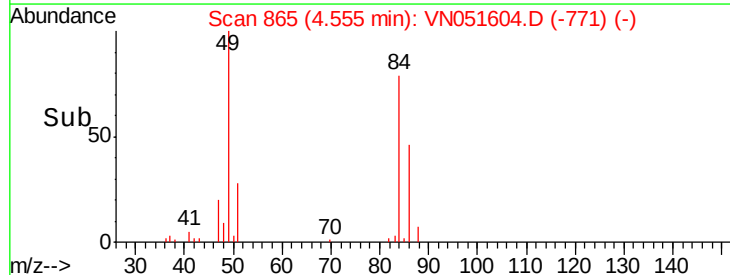
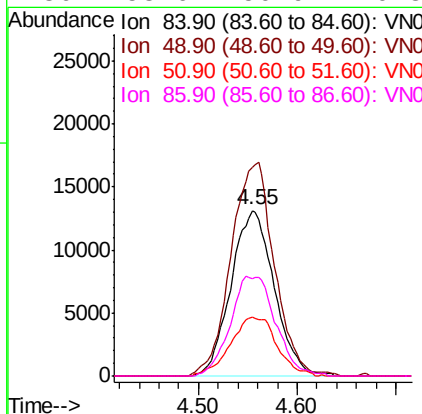
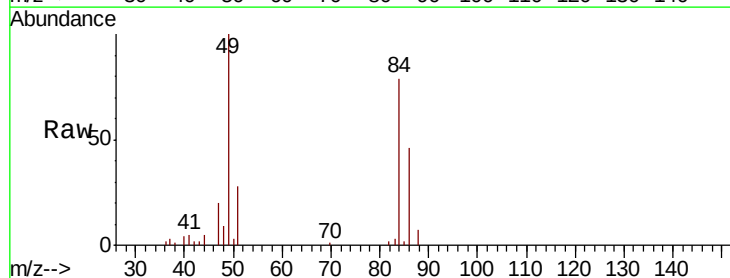
Instrument :
MSVOA_N
ClientSampleId :
HS-STONE-RO-227

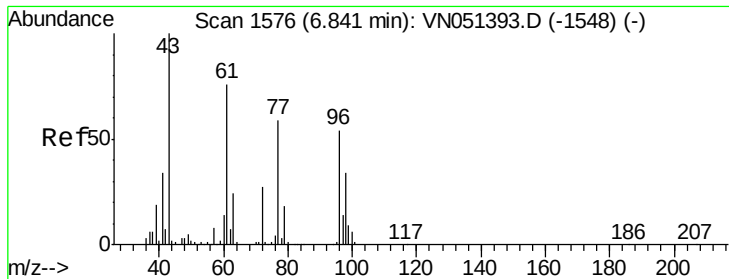
Tot Ion: 43 Resp: 18460
Ion Ratio Lower Upper
43 100
74 8.1 18.8 28.2#



#20
Methylene Chloride
Concen: 5.078 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

Tgt Ion: 84 Resp: 39888
Ion Ratio Lower Upper
84 100
49 126.2 99.9 149.9
51 35.3 31.4 47.2
86 58.6 50.9 76.3





#25

2-Butanone

Concen: 1.482 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

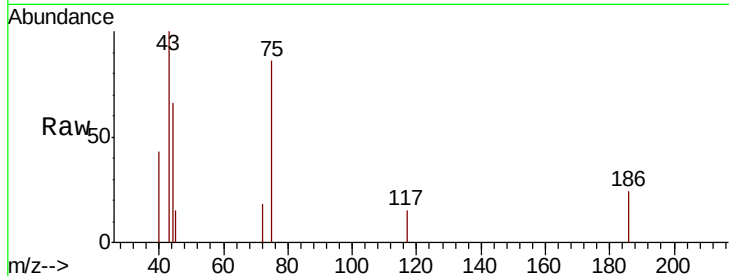
Instrument :
MSVOA_N
ClientSampleId :
HS-STONE-RO-227

Tot Ion: 43 Resp: 4027

Ion Ratio Lower Upper

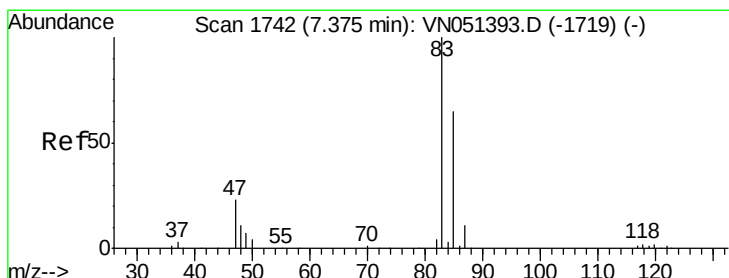
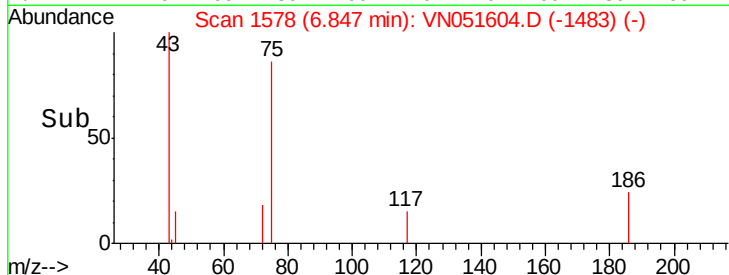
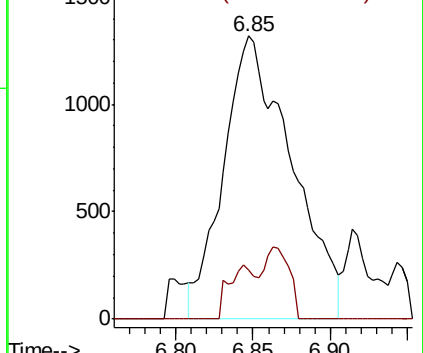
43 100

72 20.1 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#30

Chloroform

Concen: 0.626 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.00 min

Lab File: VN051604.D

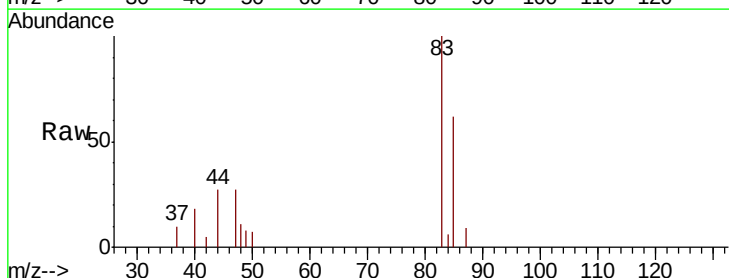
Acq: 28 Sep 2018 00:14

Tgt Ion: 83 Resp: 8464

Ion Ratio Lower Upper

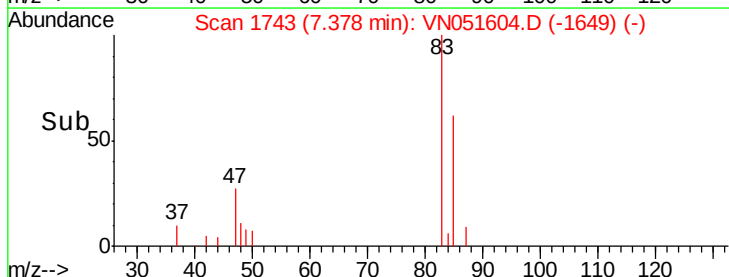
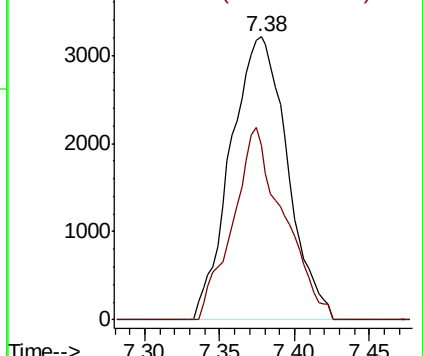
83 100

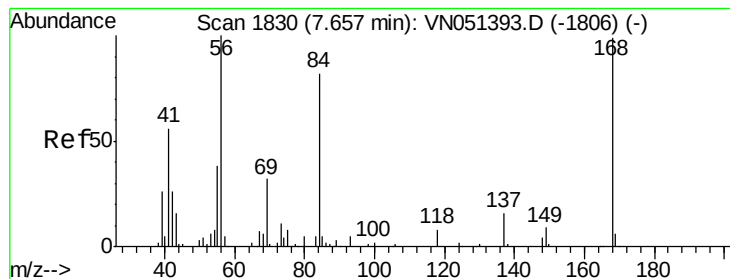
85 61.9 51.8 77.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.019 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

Instrument :

MSVOA_N

ClientSampleId :

HS-STONE-RO-227

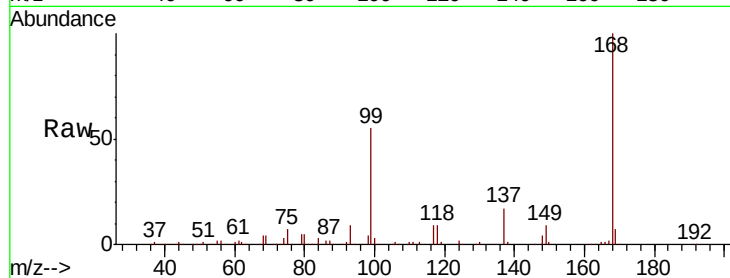
Tot Ion: 56 Resp: 12742

Ion Ratio Lower Upper

56 100

69 200.3 25.8 38.6#

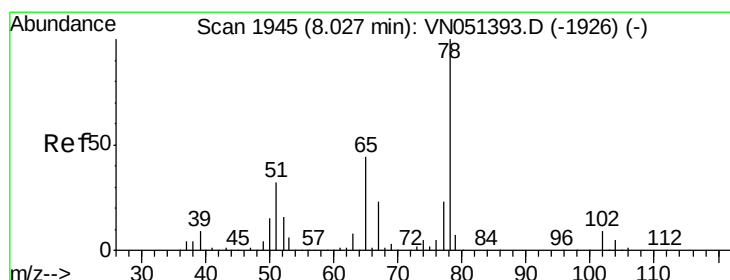
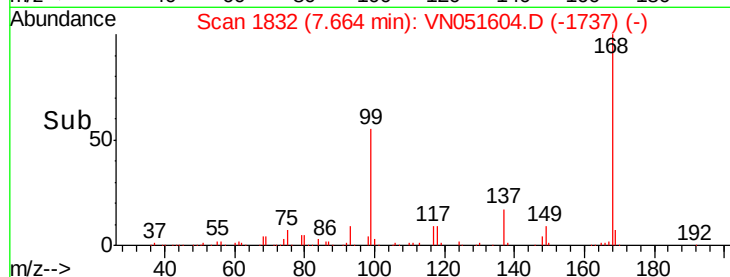
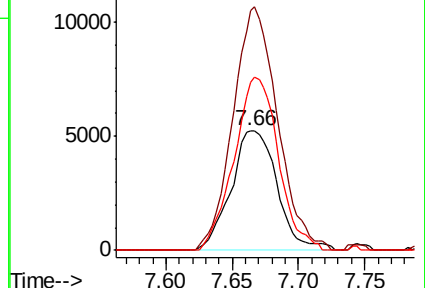
84 141.2 66.0 99.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 59.093 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051604.D

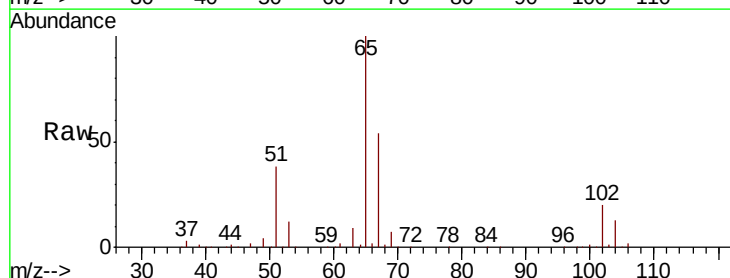
Acq: 28 Sep 2018 00:14

Tgt Ion: 65 Resp: 469041

Ion Ratio Lower Upper

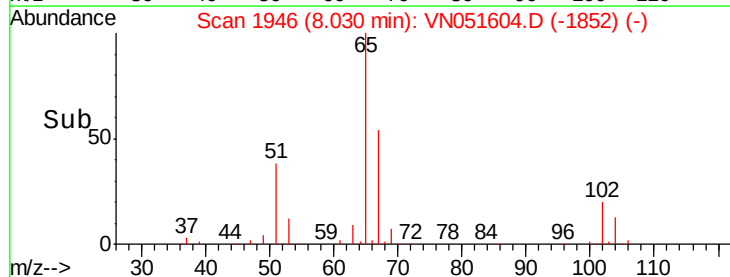
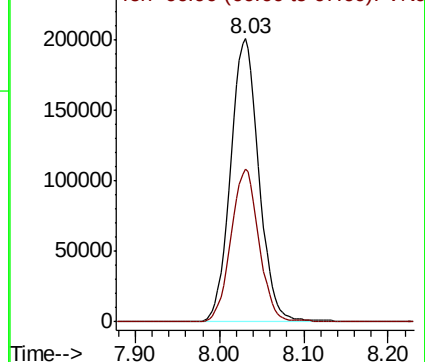
65 100

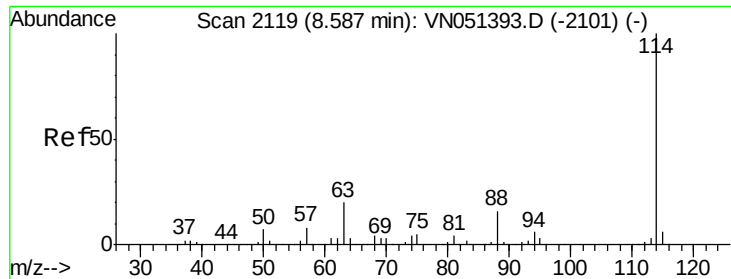
67 53.4 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

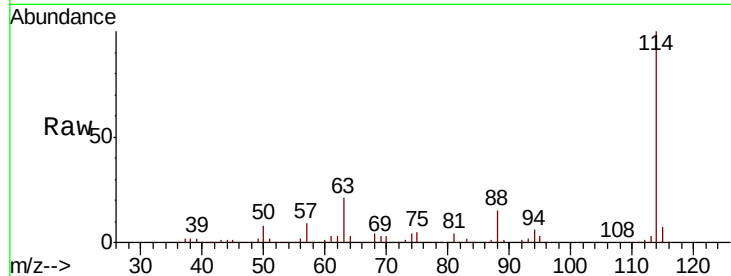




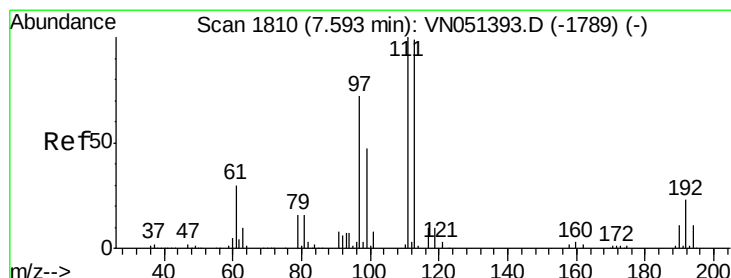
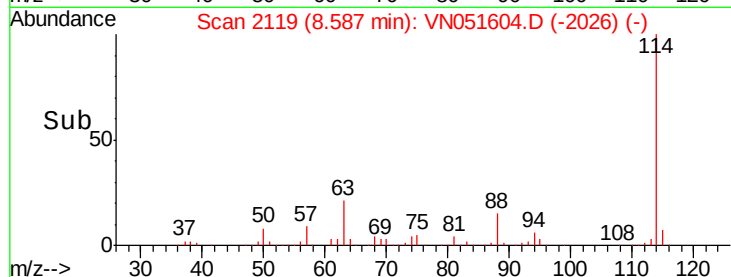
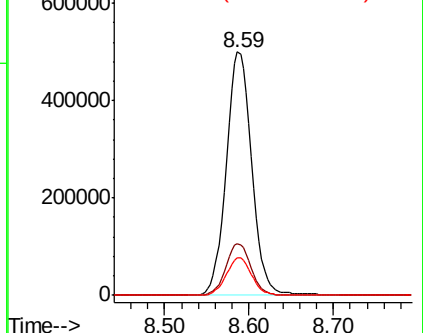
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051604.D
 Acq: 28 Sep 2018 00:14

Instrument :
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 HS-STONE-RO-227

Tot Ion:114 Resp: 1049810
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 40.2
 88 15.3 0.0 31.4

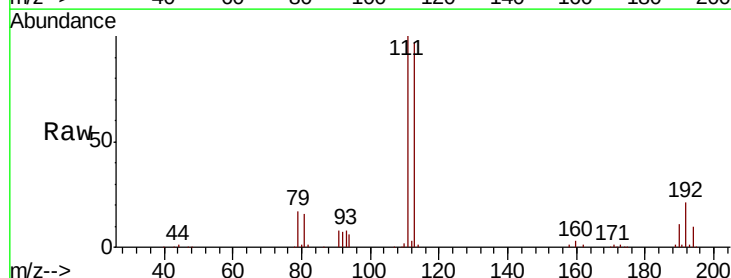


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

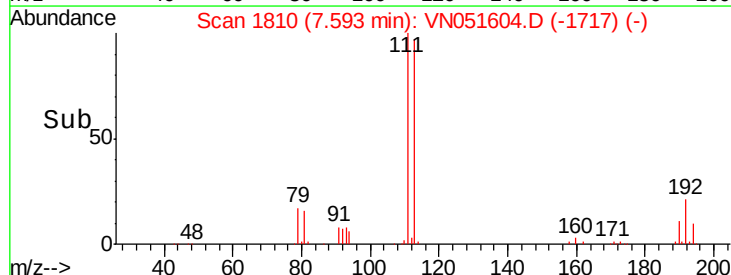
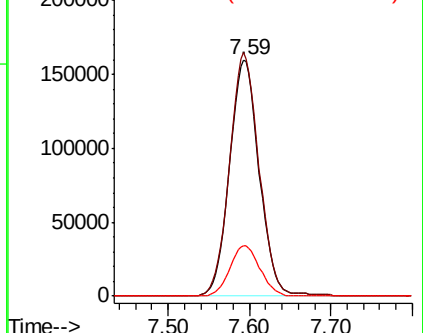


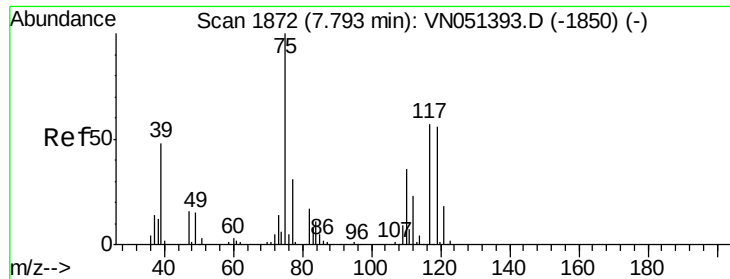
#35
 Dibromofluoromethane
 Concen: 48.405 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051604.D
 Acq: 28 Sep 2018 00:14

Tgt Ion:113 Resp: 406350
 Ion Ratio Lower Upper
 113 100
 111 102.5 82.6 123.8
 192 21.6 18.0 27.0



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.802 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

Instrument :
MSVOA_N
ClientSampleId :
HS-STONE-RO-227

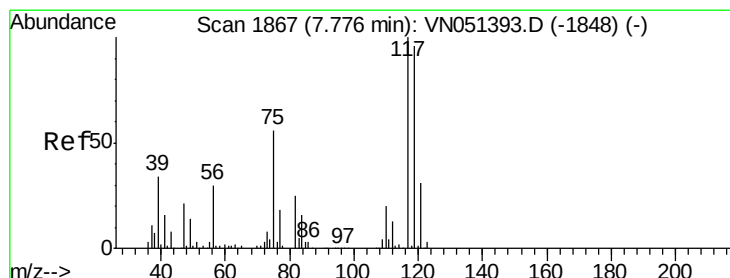
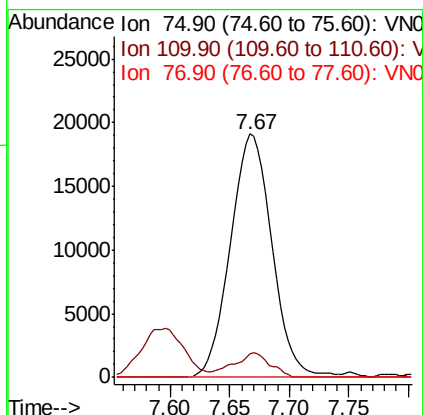
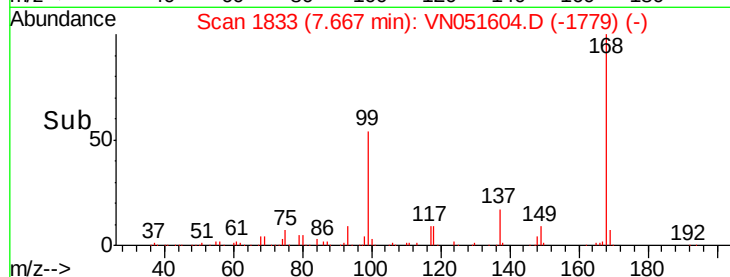
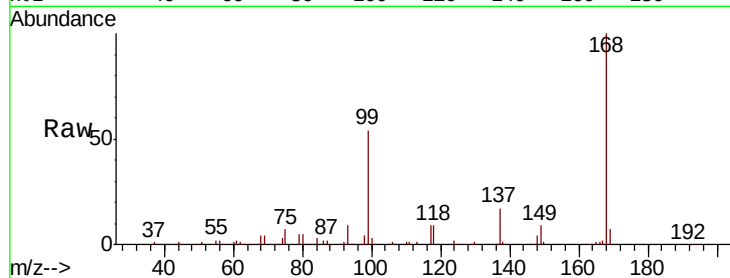
Tot Ion: 75 Resp: 46220

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

77 0.0 25.6 38.4#



#38

Carbon Tetrachloride

Concen: 4.614 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

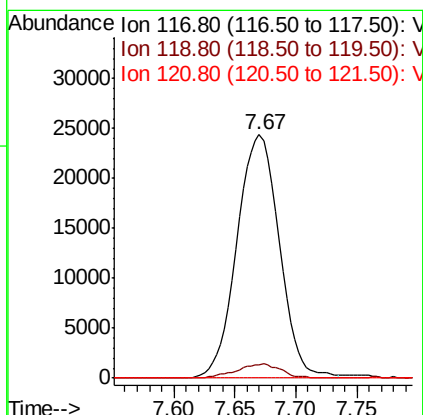
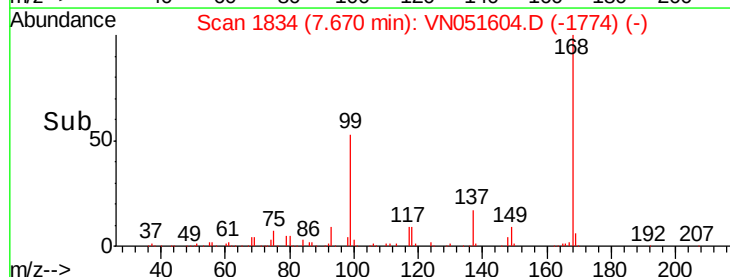
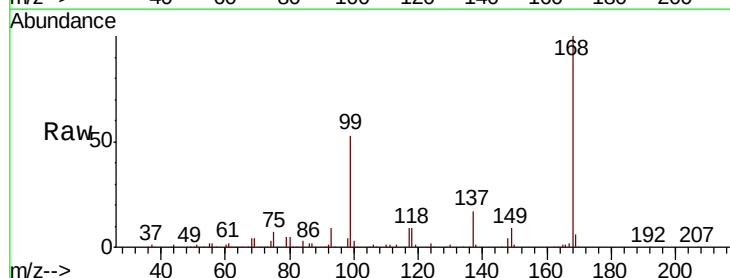
Tgt Ion: 117 Resp: 58665

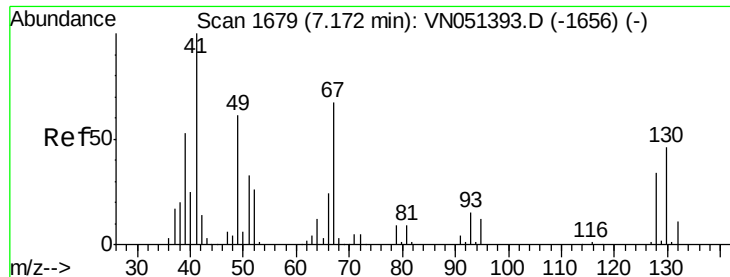
Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

121 0.0 24.6 37.0#

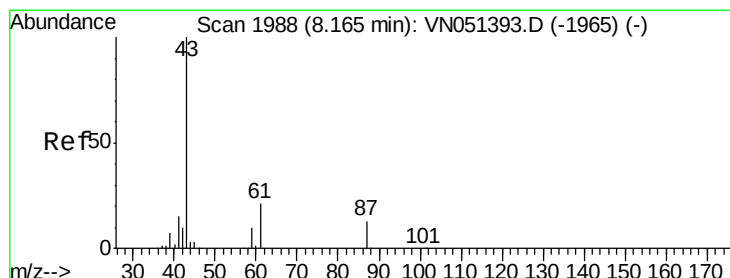
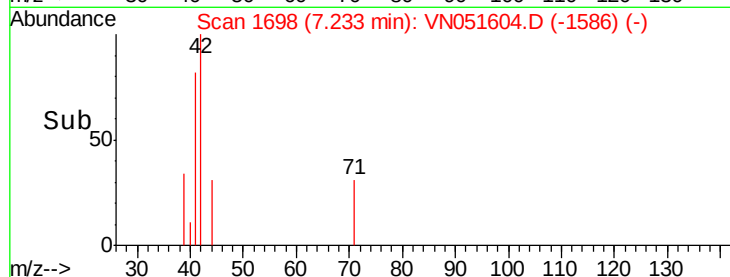
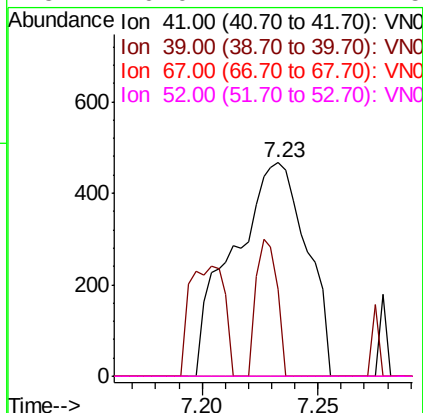
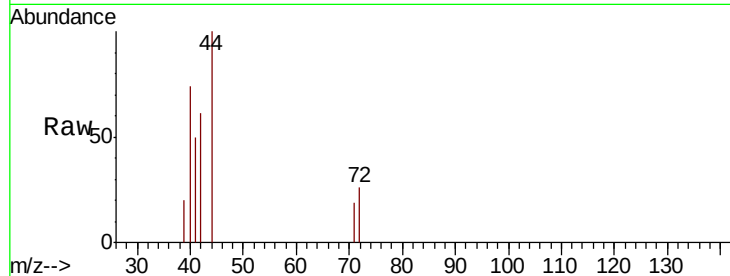




#41
Methacrylonitrile
Concen: 0.266 ug/l
RT: 7.23 min Scan# 1698
Delta R.T. 0.06 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

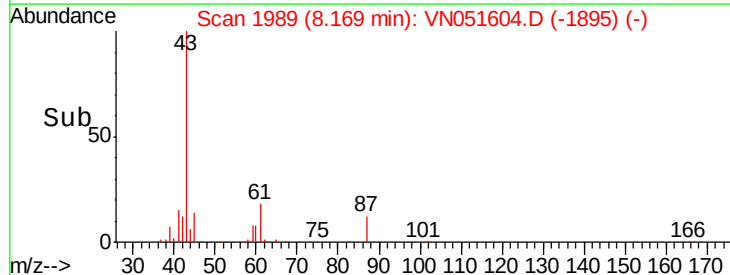
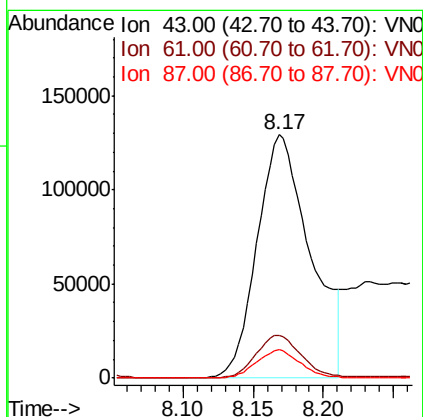
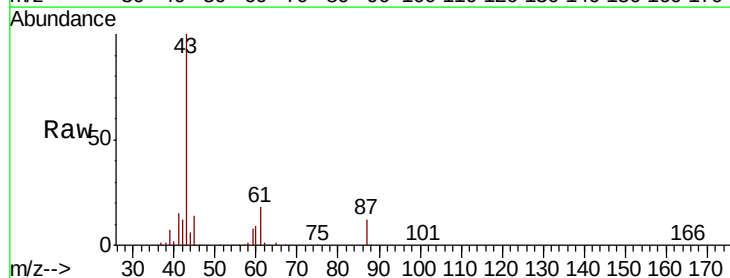
Instrument :
MSVOA_N
ClientSampleId :
HS-STONE-RO-227

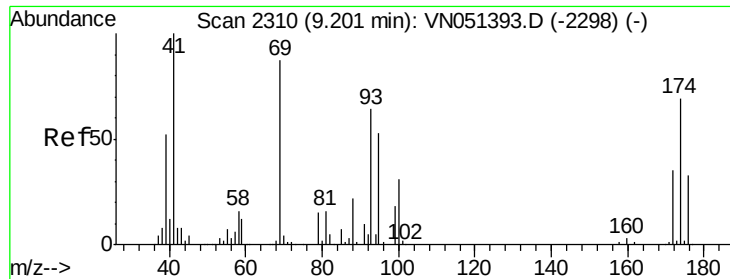
Tot Ion: 41 Resp: 1028
Ion Ratio Lower Upper
41 100
39 18.6 51.4 77.2#
67 0.0 66.8 100.2#
52 0.0 27.7 41.5#



#43
Isopropyl Acetate
Concen: 26.909 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

Tgt Ion: 43 Resp: 340117
Ion Ratio Lower Upper
43 100
61 15.4 16.8 25.2#
87 9.4 10.7 16.1#

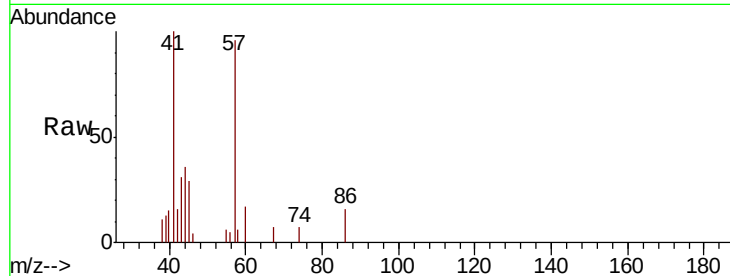




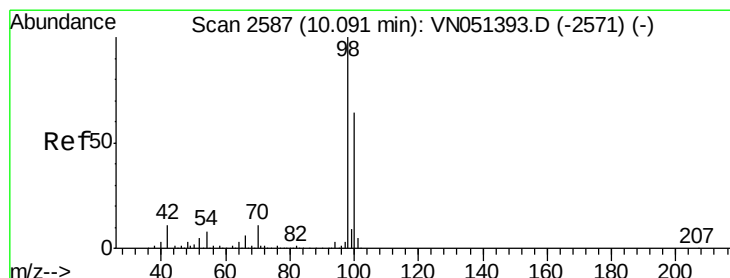
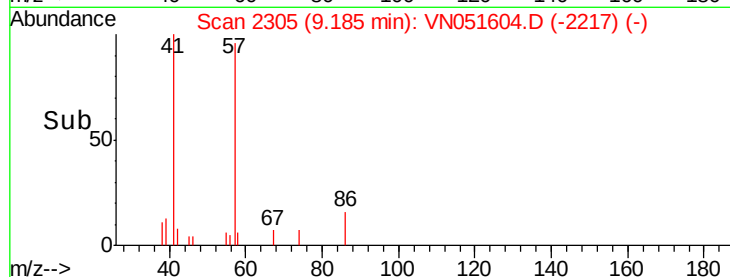
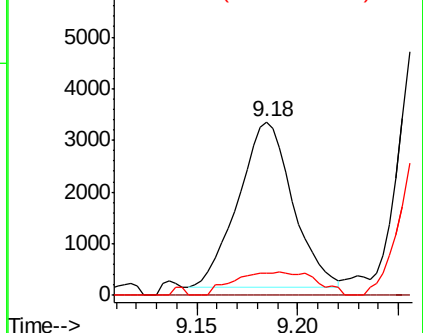
#48
Methvl methacrylate
Concen: 0.956 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

Instrument :
MSVOA_N
ClientSampleId :
HS-STONE-RO-227

Tot Ion: 41 Resp: 6024
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 21.0 43.8 65.8#

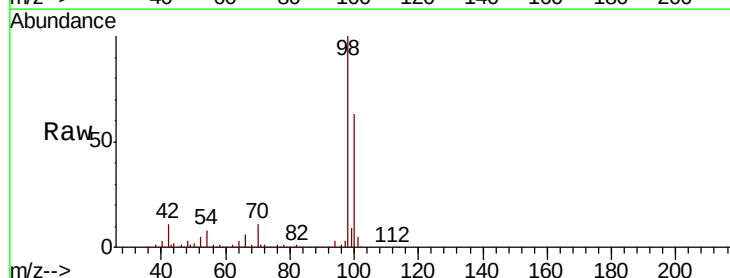


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

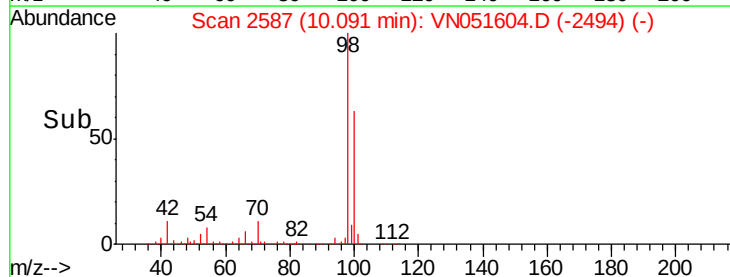
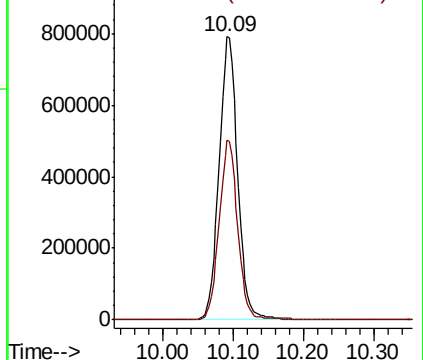


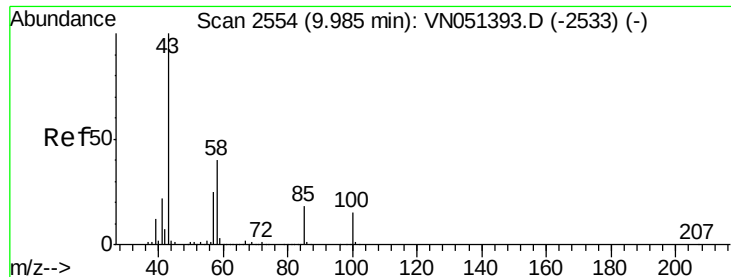
#50
Toluene-d8
Concen: 45.995 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

Tgt Ion: 98 Resp: 1453996
Ion Ratio Lower Upper
98 100
100 63.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

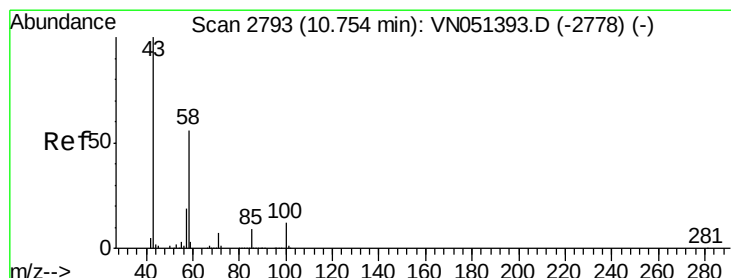
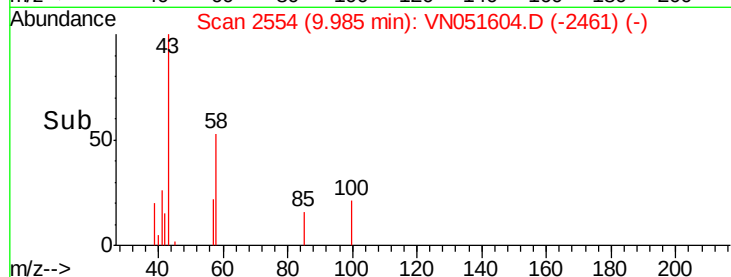
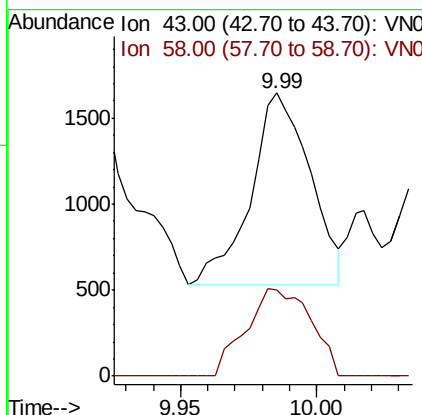
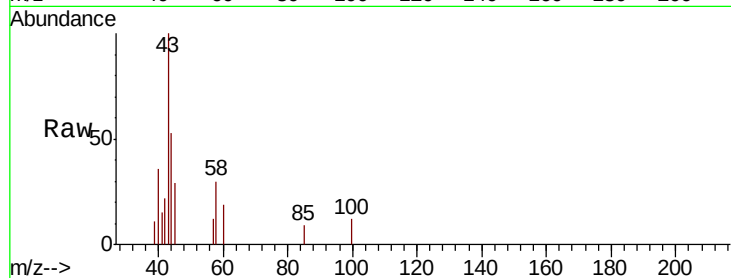




#51
 4-Methyl-2-Pentanone
 Concen: 0.242 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN051604.D
 Acq: 28 Sep 2018 00:14

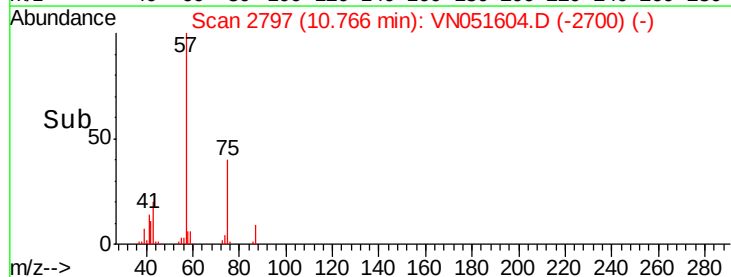
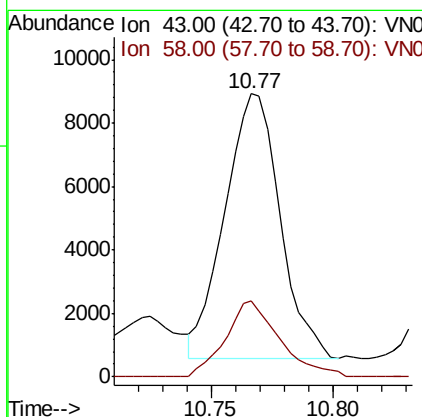
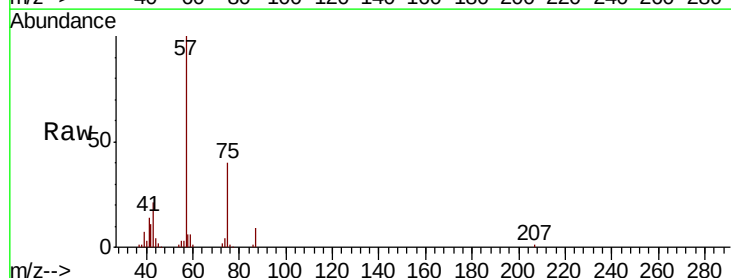
Instrument :
 MSVOA_N
 ClientSampleId :
 HS-STONE-RO-227

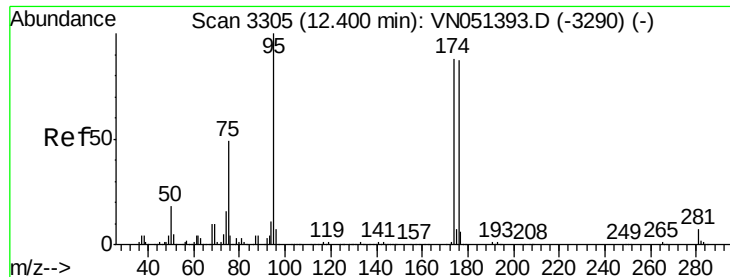
Tot Ion: 43 Resp: 1681
 Ion Ratio Lower Upper
 43 100
 58 49.8 31.5 47.3#



#59
 2-Hexanone
 Concen: 2.908 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.01 min
 Lab File: VN051604.D
 Acq: 28 Sep 2018 00:14

Tgt Ion: 43 Resp: 13104
 Ion Ratio Lower Upper
 43 100
 58 28.0 27.7 83.0





#62

4-Bromofluorobenzene

Concen: 37.821 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

Instrument :

MSVOA_N

ClientSampleId :

HS-STONE-RO-227

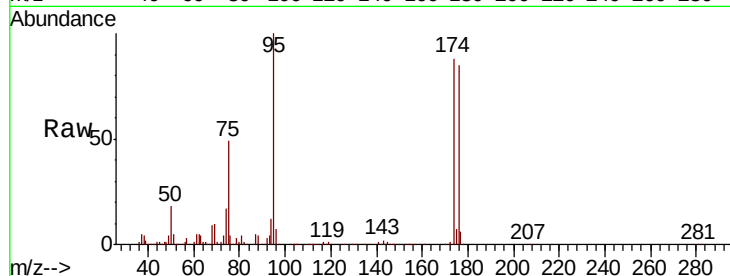
Tot Ion: 95 Resp: 386779

Ion Ratio Lower Upper

95 100

174 88.9 0.0 181.6

176 85.6 0.0 176.4



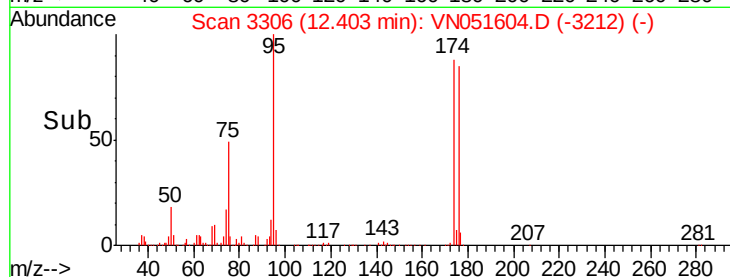
Abundance Ion 94.90 (94.60 to 95.60): VN051393.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051393.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051393.D (-3290) (-)

12.40

Time-->



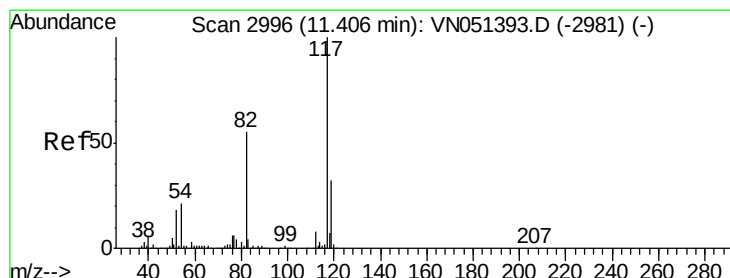
Abundance Ion 94.90 (94.60 to 95.60): VN051604.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN051604.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN051604.D (-3212) (-)

12.40

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

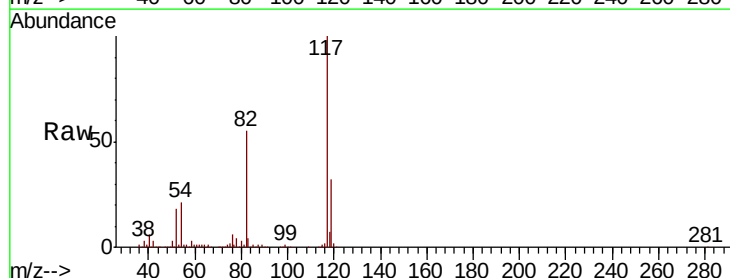
Tgt Ion: 117 Resp: 885895

Ion Ratio Lower Upper

117 100

82 54.5 44.2 66.2

119 31.8 25.9 38.9



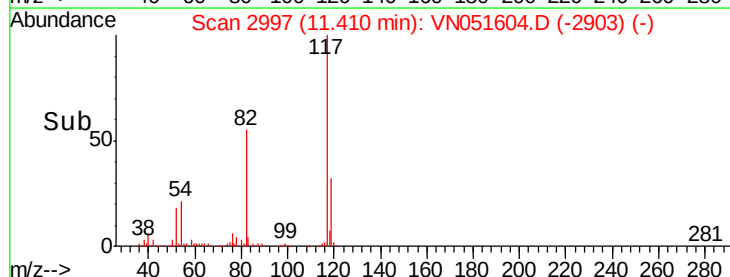
Abundance Ion 116.90 (116.60 to 117.60): VN051393.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN051393.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN051393.D (-2981) (-)

11.41

Time-->



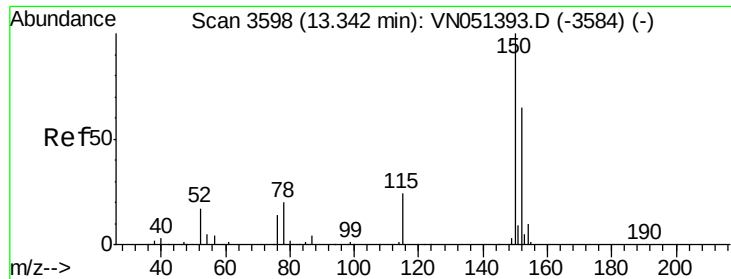
Abundance Ion 116.90 (116.60 to 117.60): VN051604.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN051604.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN051604.D (-2903) (-)

11.41

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051604.D

Acq: 28 Sep 2018 00:14

Instrument :

MSVOA_N

ClientSampleId :

HS-STONE-RO-227

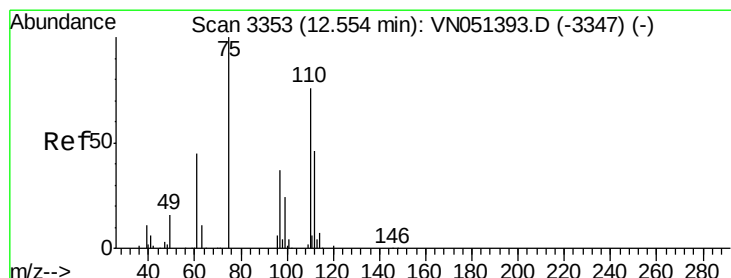
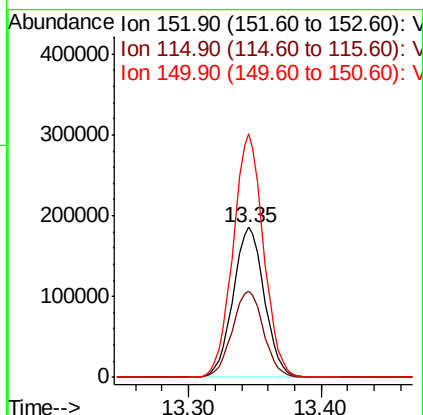
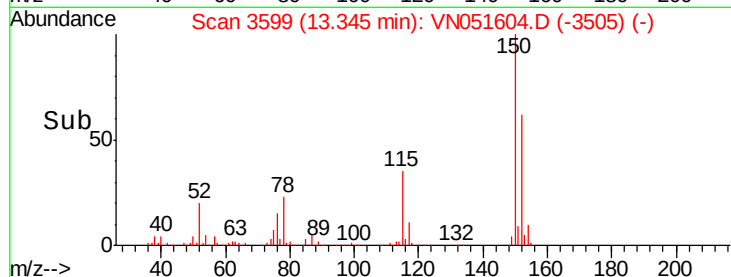
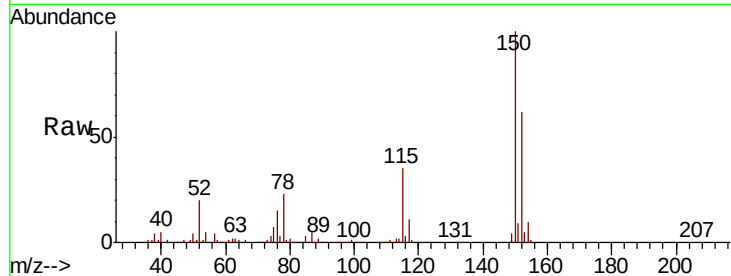
Tot Ion:152 Resp: 303338

Ion Ratio Lower Upper

152 100

115 57.5 28.3 84.9

150 158.3 0.0 353.6



#76

1,2,3-Trichloropropane

Concen: 37.990 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051604.D

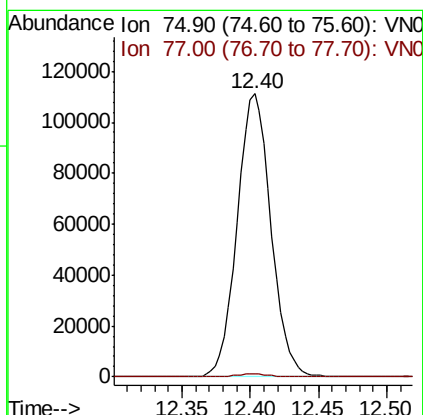
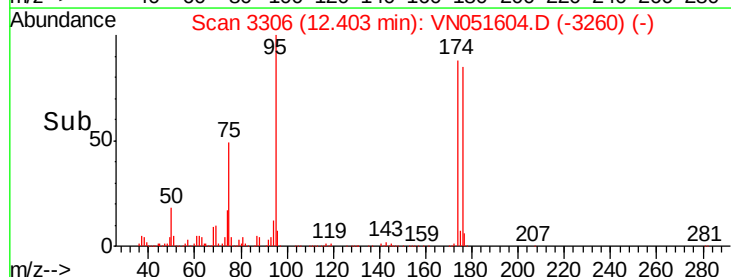
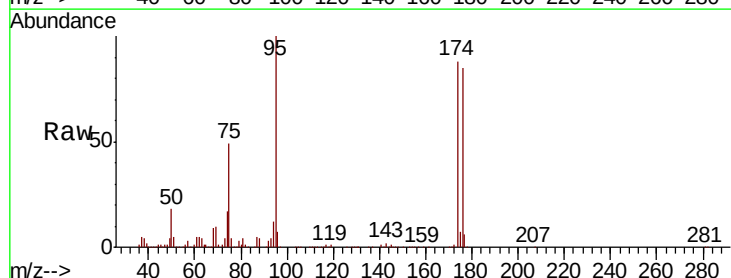
Acq: 28 Sep 2018 00:14

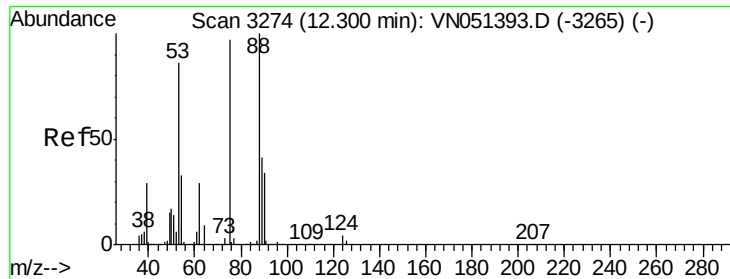
Tgt Ion: 75 Resp: 191301

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#

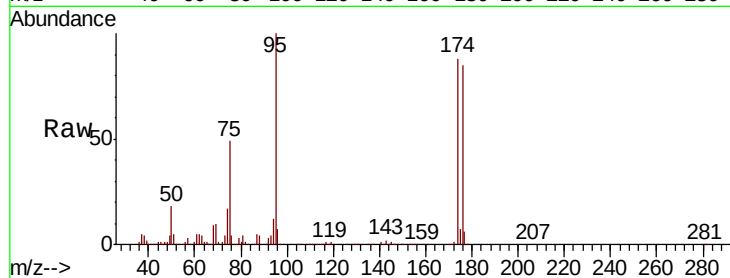




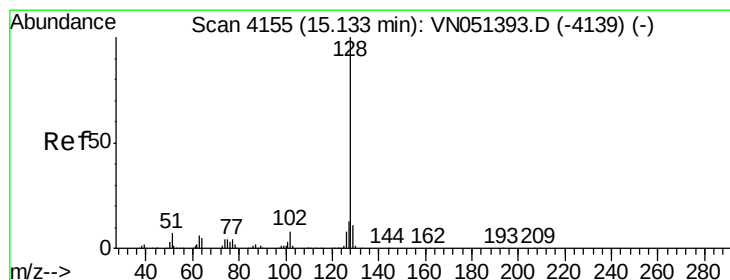
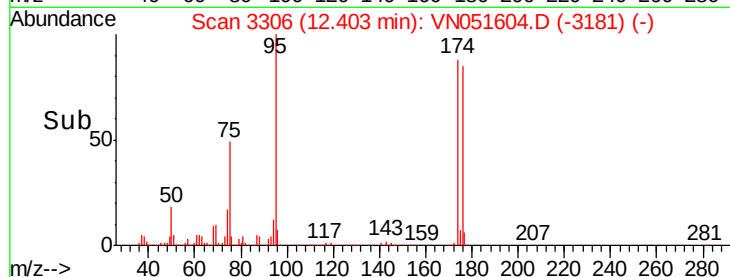
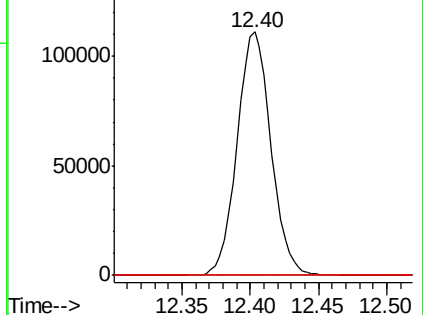
#81
trans-1,4-Dichloro-2-butene
Concen: 116.816 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.10 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

Instrument :
MSVOA_N
ClientSampleId :
HS-STONE-RO-227

Tot Ion: 75 Resp: 191301
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.0 36.7 55.1#

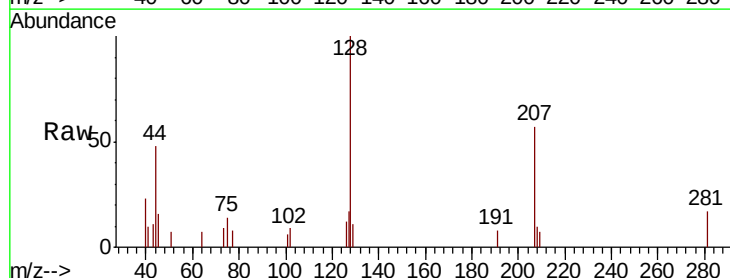


Abundance Ion 74.90 (74.60 to 75.60): VN051604.D (-3181) (-)
Ion 53.00 (52.70 to 53.70): VN051604.D (-3181) (-)
Ion 88.90 (88.60 to 89.60): VN051604.D (-3181) (-)



#95
Naphthalene
Concen: 8.413 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051604.D
Acq: 28 Sep 2018 00:14

Tgt Ion: 128 Resp: 4959
Ion Ratio Lower Upper
128 100
127 15.0 10.5 15.7
129 8.3 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN051604.D (-4062) (-)
Ion 127.00 (126.70 to 127.70): VN051604.D (-4062) (-)
Ion 129.00 (128.70 to 129.70): VN051604.D (-4062) (-)

