

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101218\
 Data File : VN051840.D
 Acq On : 12 Oct 2018 19:07
 Operator : MD\SY
 Sample : VN1012WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1012WBL02

Quant Time: Oct 13 02:06:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 09:51:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	847544	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1201960	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1052145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	370867	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	452243	55.83	ug/l	0.00
Spiked Amount			Recovery	=	111.66%	
35) Dibromofluoromethane	7.59	113	453424	60.67	ug/l	0.00
Spiked Amount			Recovery	=	121.34%	
50) Toluene-d8	10.09	98	1649010	59.21	ug/l	0.00
Spiked Amount			Recovery	=	118.42%	
62) 4-Bromofluorobenzene	12.40	95	468760	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

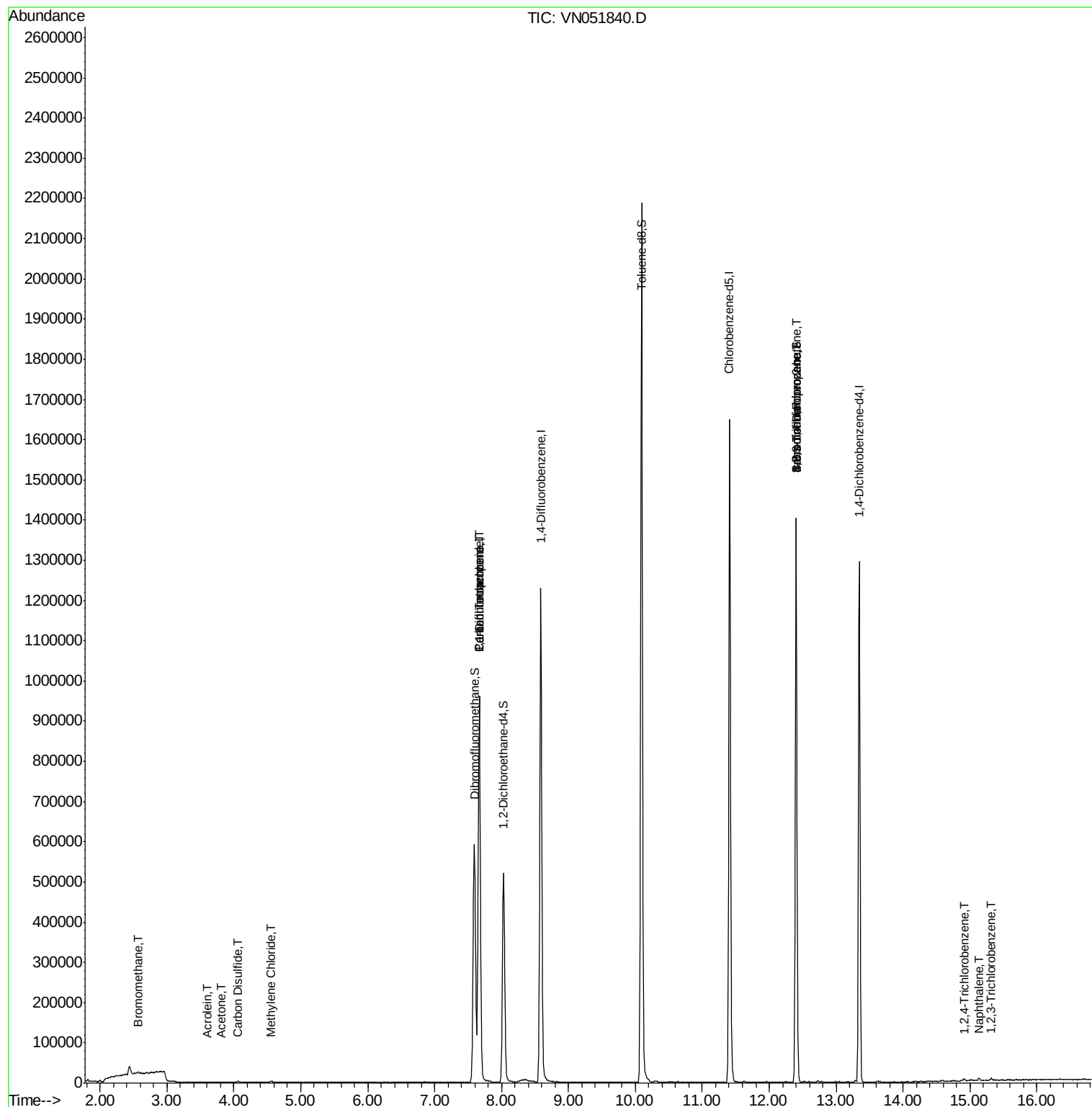
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	3421	0.444	ug/l	81
13) Acrolein	3.60	56	30	15.986	ug/l #	14
16) Acetone	3.82	43	375	0.215	ug/l #	41
17) Carbon Disulfide	4.06	76	3809	0.231	ug/l #	90
18) Methyl Acetate	4.33	43	865	Below Cal	#	62
20) Methylene Chloride	4.55	84	2138	0.296	ug/l #	71
31) Cyclohexane	7.66	56	14175	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	53428	5.491	ug/l #	50
38) Carbon Tetrachloride	7.67	117	77415	6.863	ug/l #	16
43) Isopropyl Acetate	8.14	43	160	Below Cal	#	58
71) Bromoform	12.41	173	3995	4.160	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	242162	52.950	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	242162	150.364	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1978	3.949	ug/l	89
95) Naphthalene	15.14	128	5019	4.731	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.32	180	2115	3.187	ug/l	81

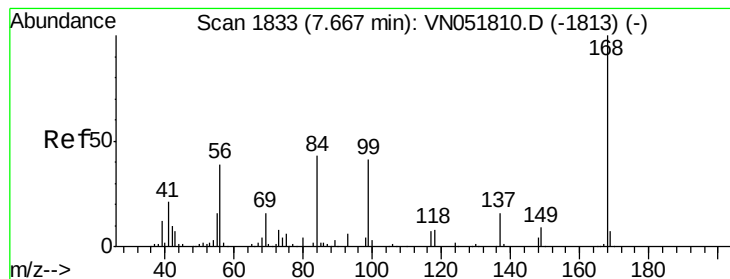
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 13 02:06:35 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101118W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 09:51:20 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

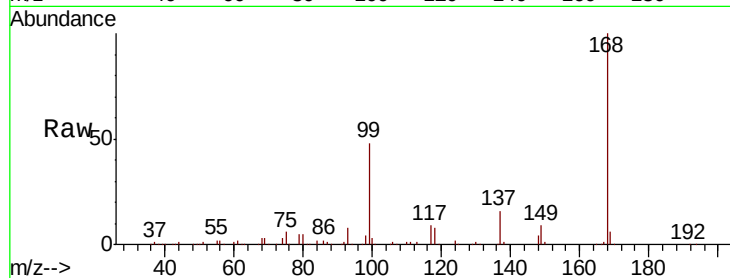
VN1012WBL02

Tot Ion:168 Resp: 847544

Ion Ratio Lower Upper

168 100

99 48.4 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

400000

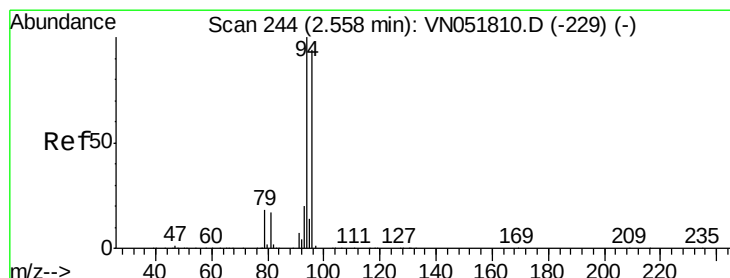
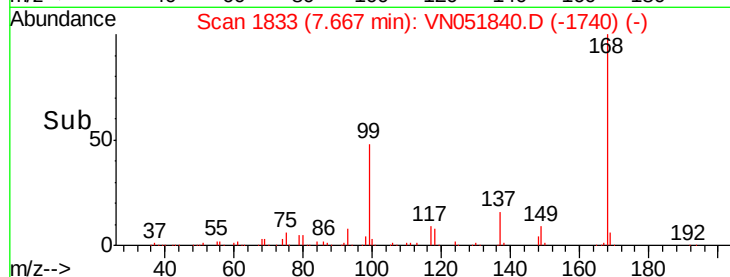
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.444 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051840.D

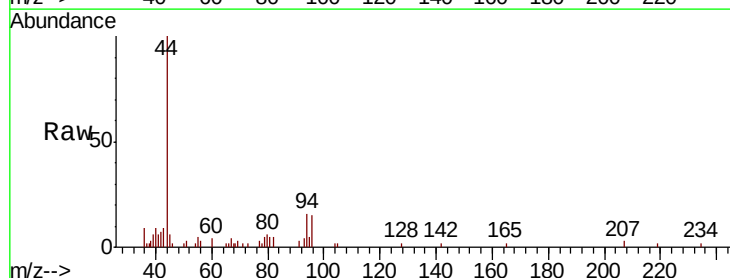
Acq: 12 Oct 2018 19:07

Tgt Ion: 94 Resp: 3421

Ion Ratio Lower Upper

94 100

96 77.0 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

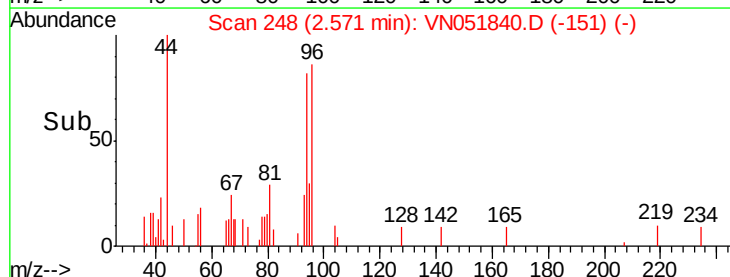
1500

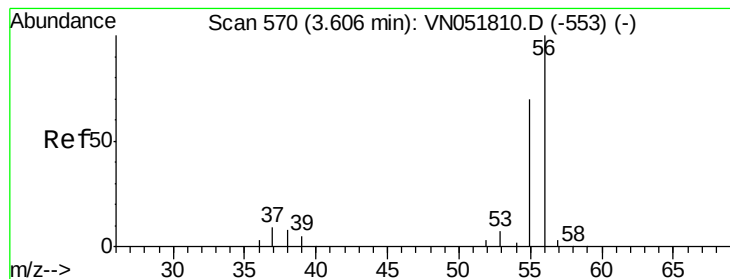
1000

500

0

Time-->





#13

Acrolein

Concen: 15.986 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

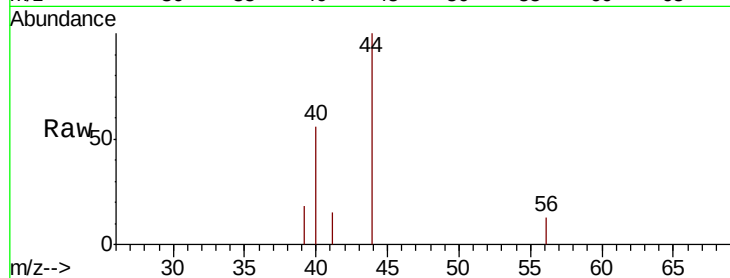
VN1012WBL02

Tot Ion: 56 Resp: 30

Ion Ratio Lower Upper

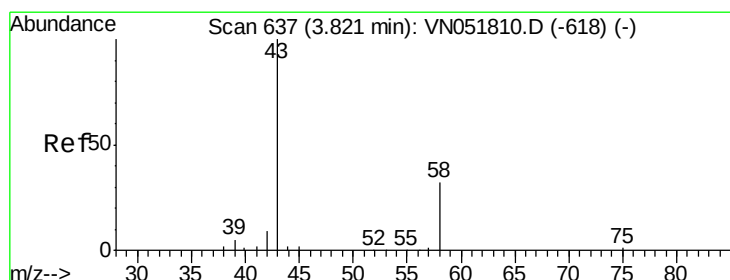
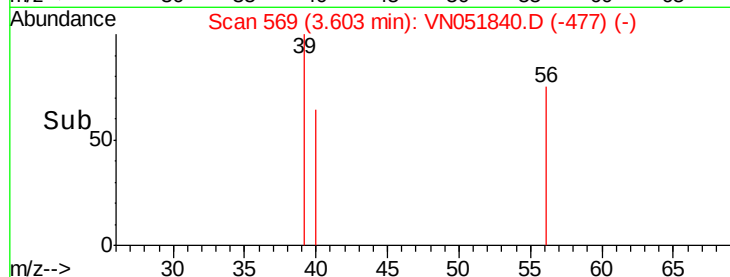
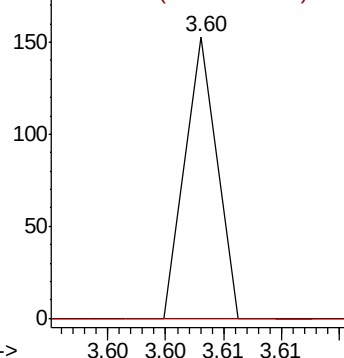
56 100

55 0.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.215 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.01 min

Lab File: VN051840.D

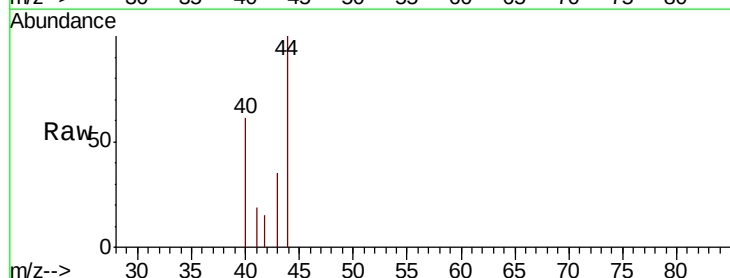
Acq: 12 Oct 2018 19:07

Tgt Ion: 43 Resp: 375

Ion Ratio Lower Upper

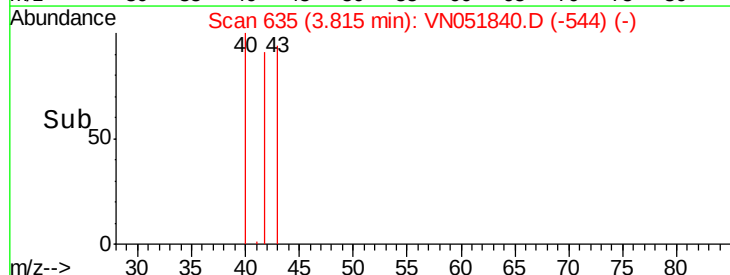
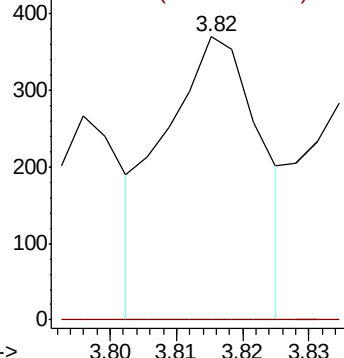
43 100

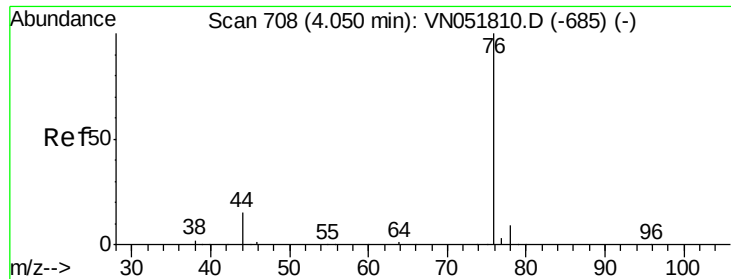
58 0.0 27.2 40.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

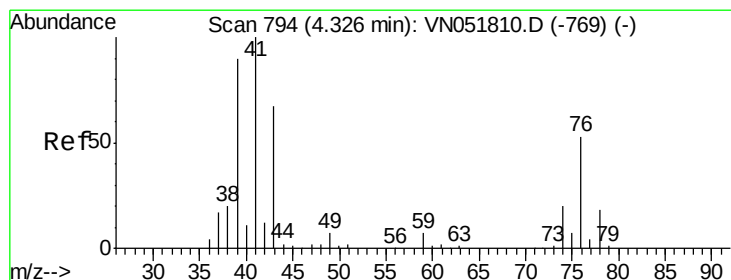
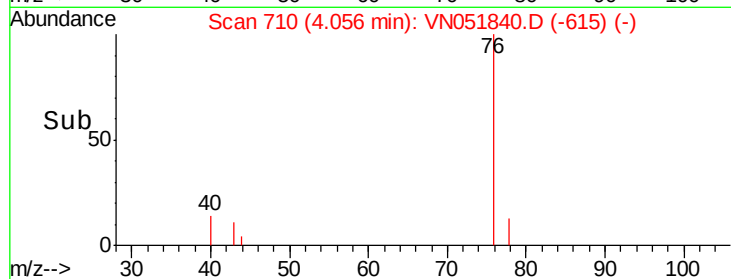
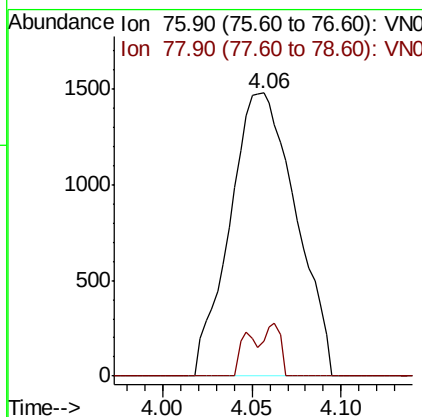
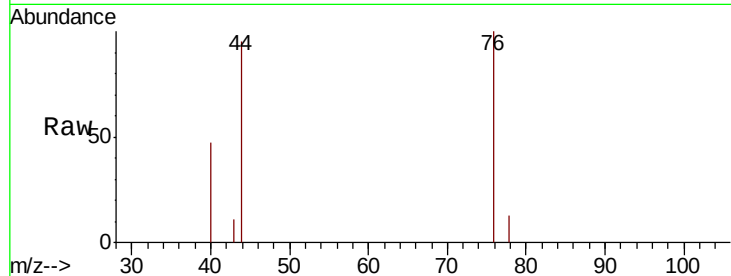




#17
Carbon Disulfide
Concen: 0.231 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.01 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

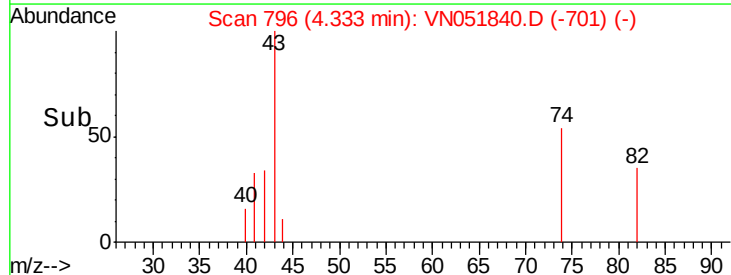
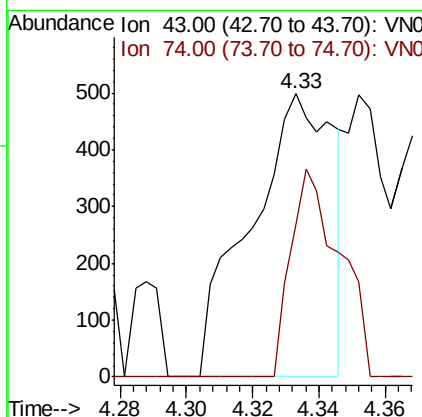
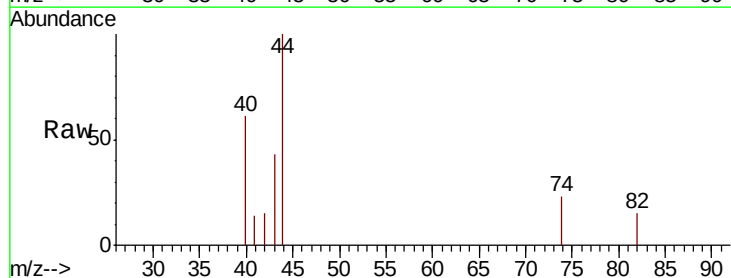
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL02

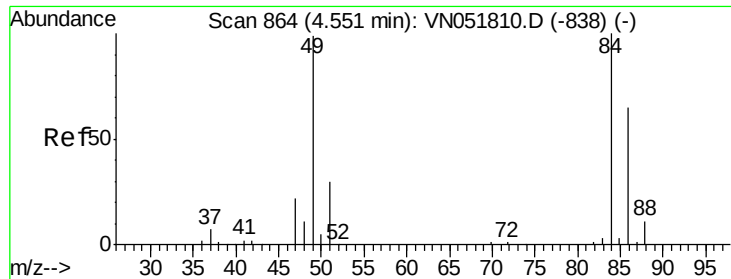
Tot Ion: 76 Resp: 3809
Ion Ratio Lower Upper
76 100
78 12.6 7.3 10.9#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

Tgt Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
74 43.6 19.8 29.8#

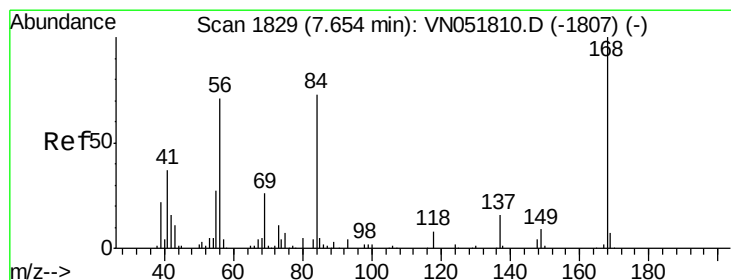
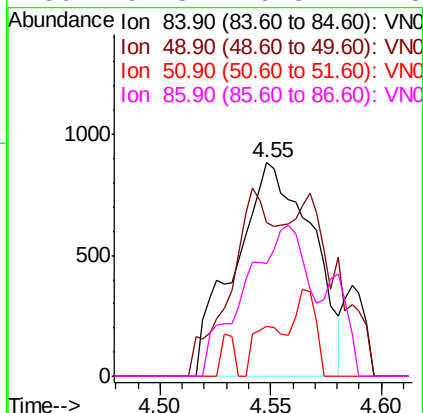
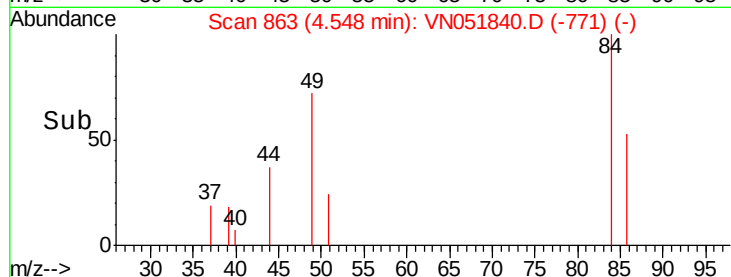
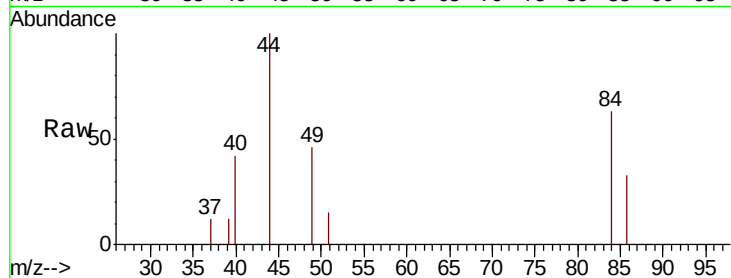




#20
Methylene Chloride
Concen: 0.296 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

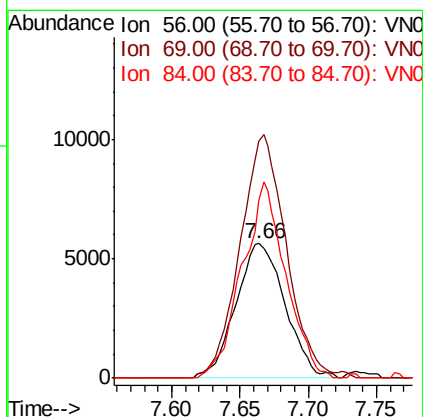
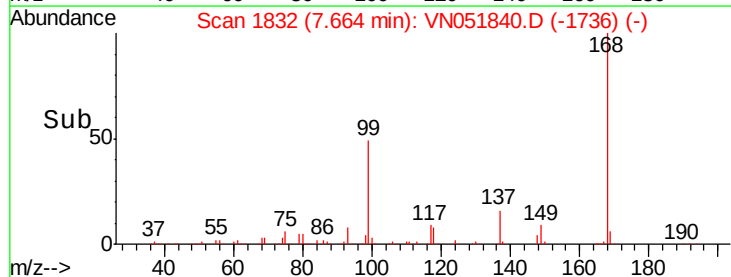
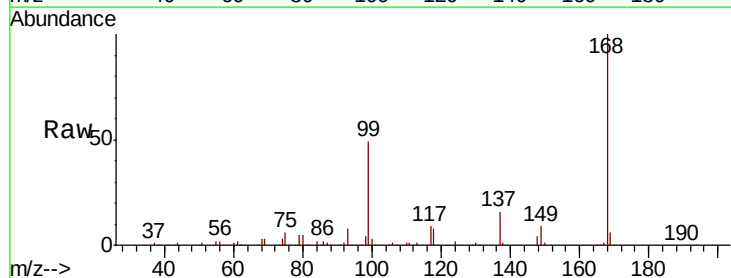
Instrument :
MSVOA_N
ClientSampled :
VN1012WBL02

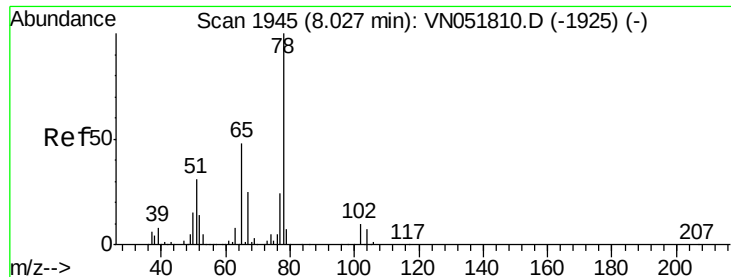
Tot Ion: 84 Resp: 2138
Ion Ratio Lower Upper
84 100
49 71.9 93.2 139.8#
51 23.6 29.0 43.6#
86 52.8 49.8 74.8



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

Tgt Ion: 56 Resp: 14175
Ion Ratio Lower Upper
56 100
69 177.1 26.2 39.4#
84 132.8 68.3 102.5#

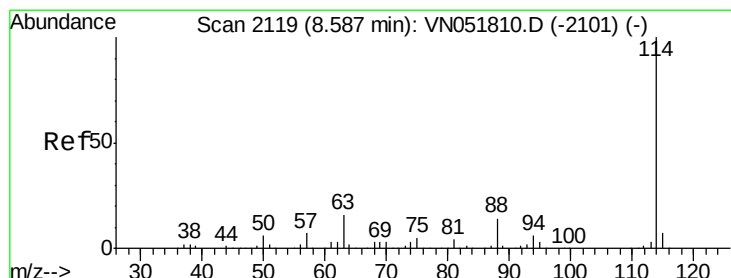
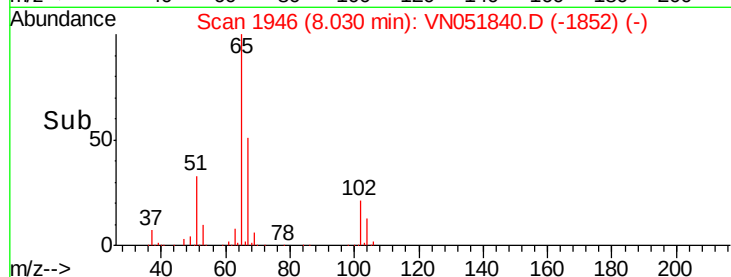
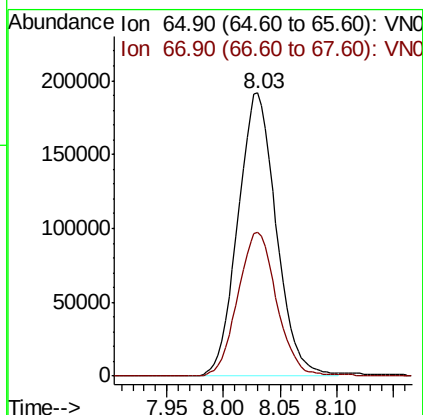
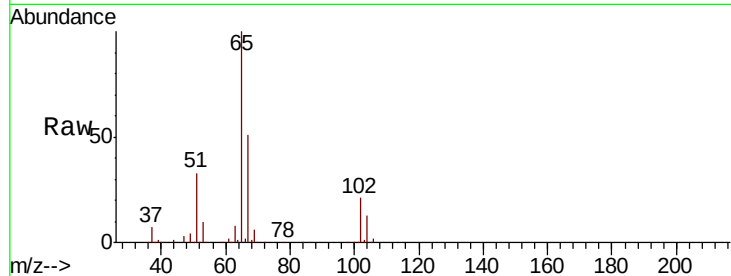




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051840.D
 Acq: 12 Oct 2018 19:07

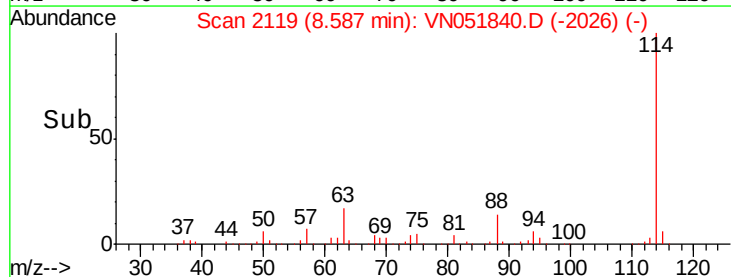
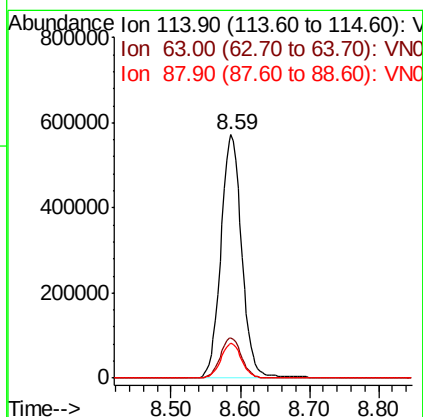
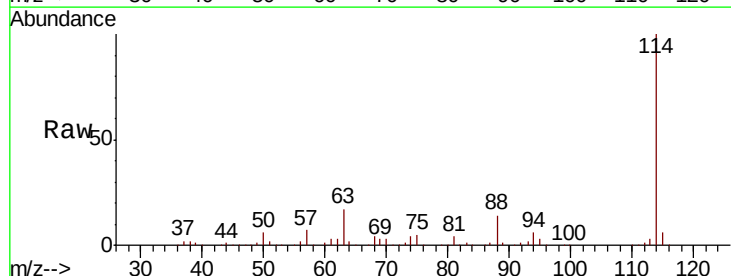
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 VN1012WBL02

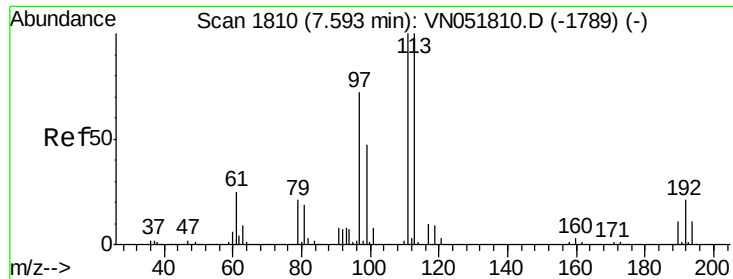
Tot Ion: 65 Resp: 452243
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051840.D
 Acq: 12 Oct 2018 19:07

Tgt Ion: 114 Resp: 1201960
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 38.6
 88 14.1 0.0 30.6

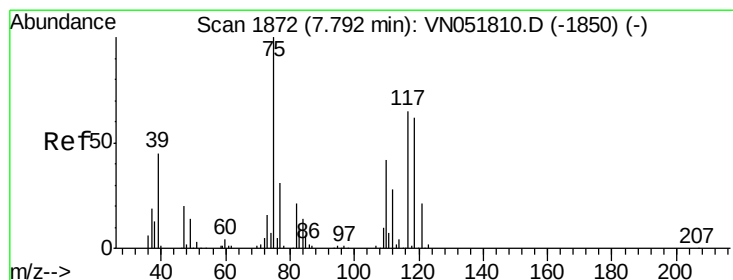
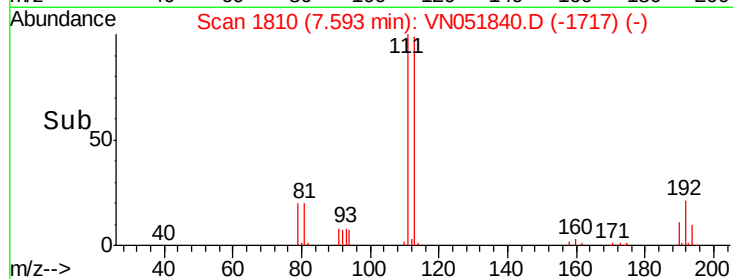
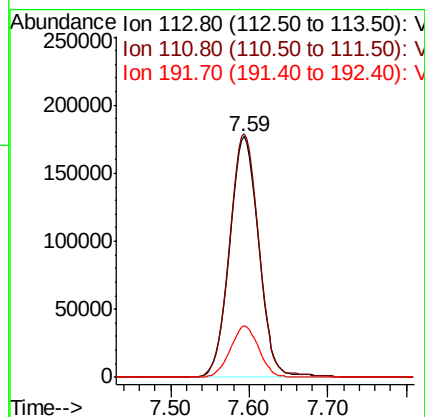
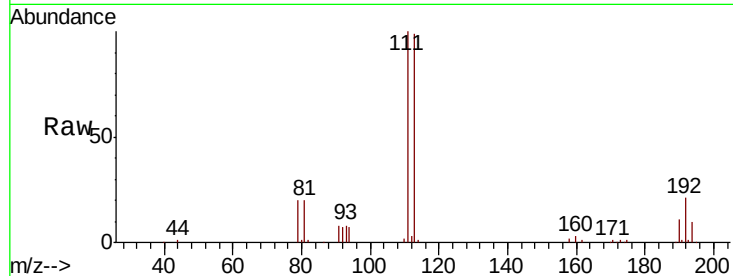




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051840.D
 Acq: 12 Oct 2018 19:07

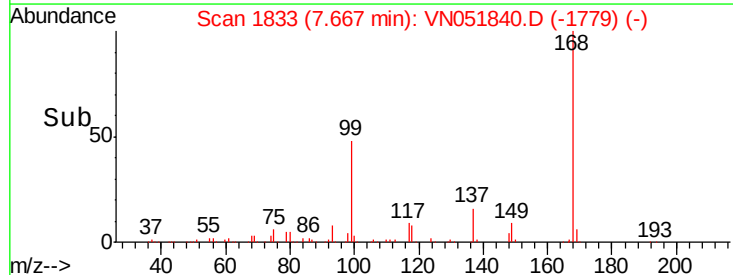
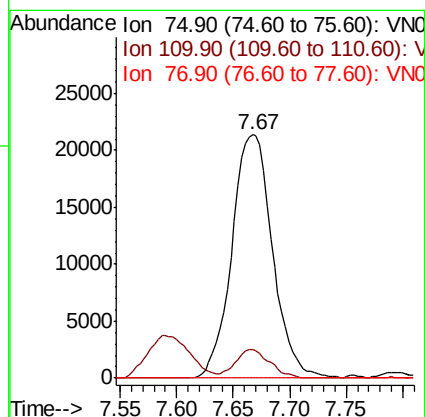
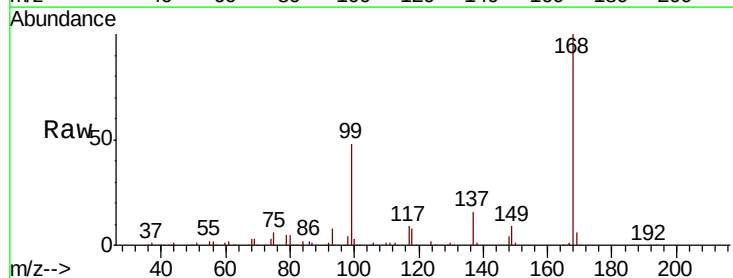
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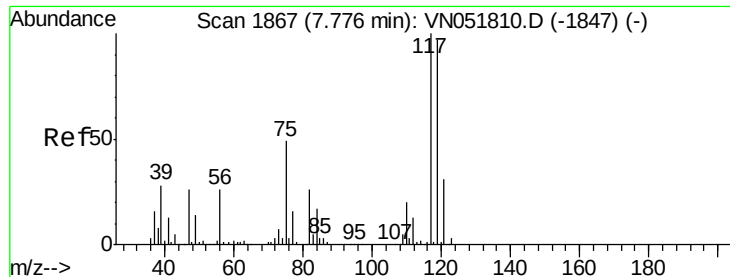
Tot Ion:113 Resp: 453424
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 123.8
 192 21.0 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 5.491 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051840.D
 Acq: 12 Oct 2018 19:07

Tgt Ion: 75 Resp: 53428
 Ion Ratio Lower Upper
 75 100
 110 10.0 18.1 54.4#
 77 0.0 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 6.863 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampled :

VN1012WBL02

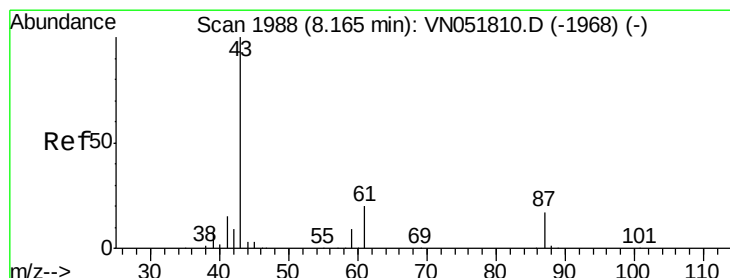
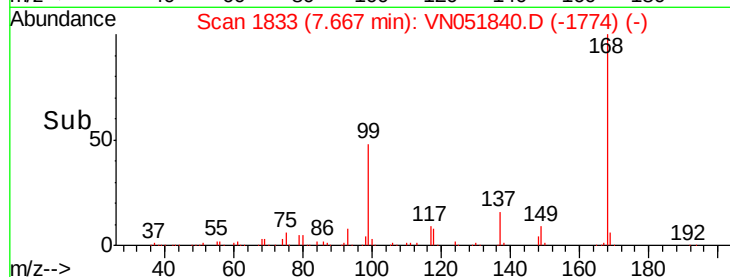
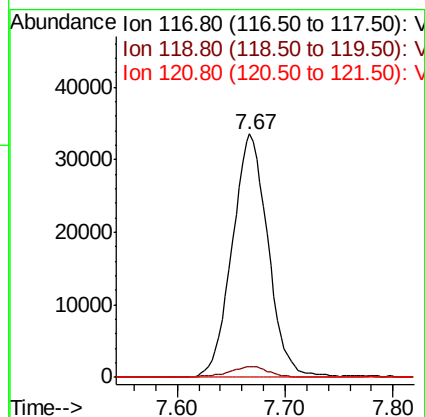
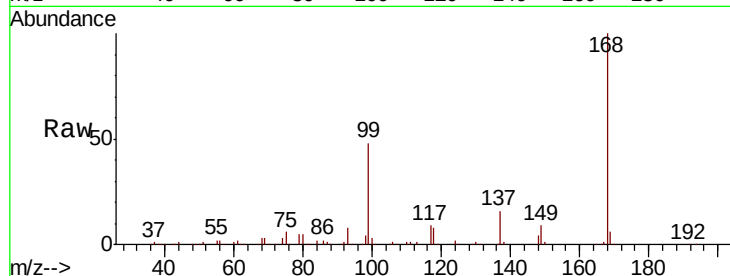
Tot Ion:117 Resp: 77415

Ion Ratio Lower Upper

117 100

119 4.5 76.3 114.5#

121 0.0 24.6 36.8#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.14 min Scan# 1979

Delta R.T. -0.03 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

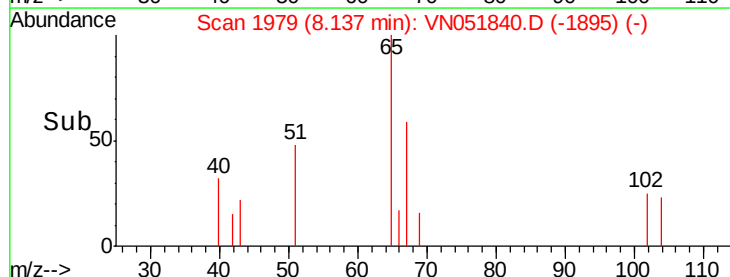
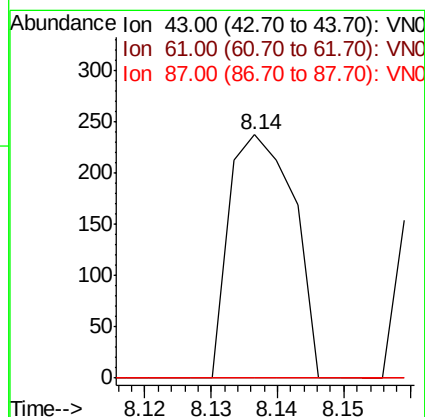
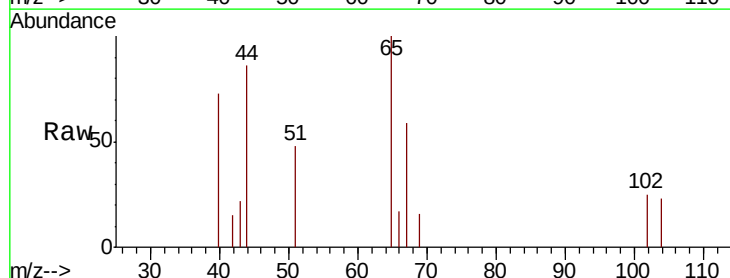
Tgt Ion: 43 Resp: 160

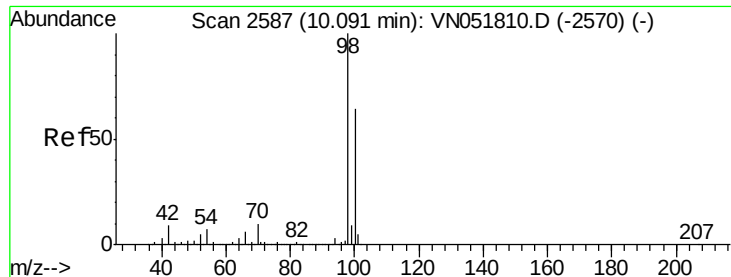
Ion Ratio Lower Upper

43 100

61 0.0 17.5 26.3#

87 0.0 11.3 16.9#

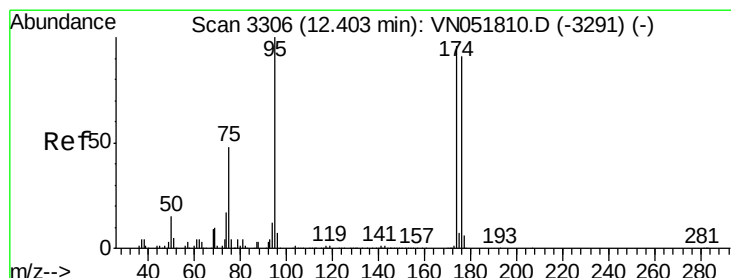
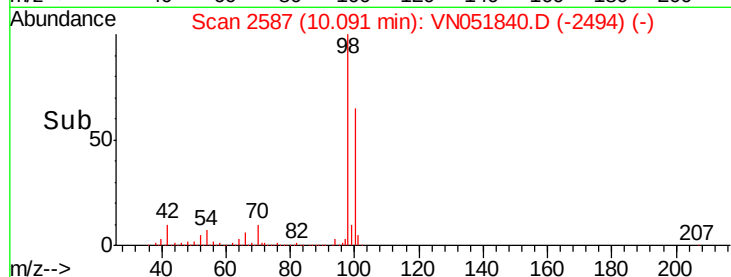
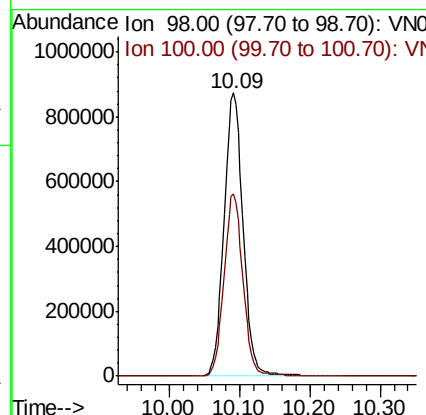
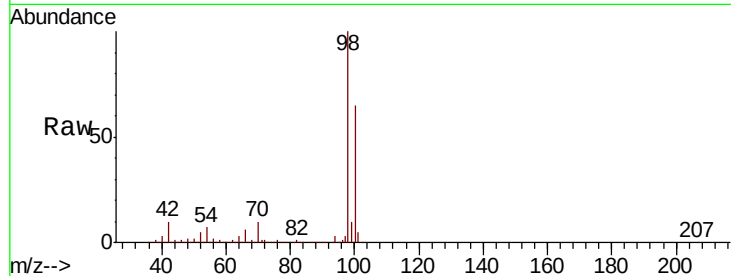




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

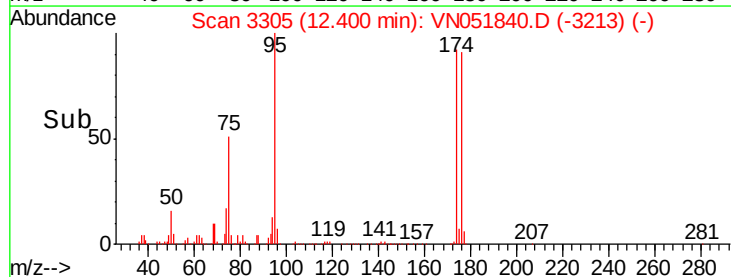
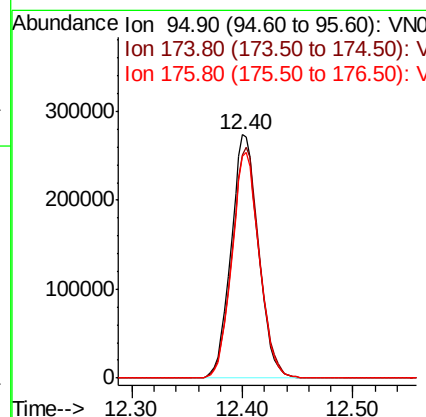
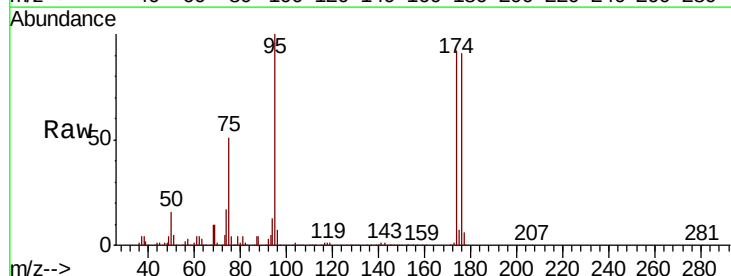
Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL02

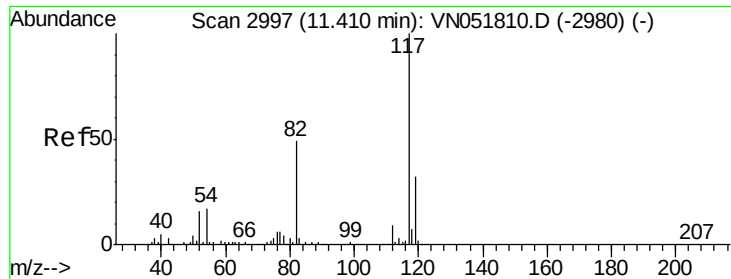
Tot Ion: 98 Resp: 1649010
Ion Ratio Lower Upper
98 100
100 63.6 51.5 77.3



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

Tgt Ion: 95 Resp: 468760
Ion Ratio Lower Upper
95 100
174 95.7 0.0 183.0
176 92.7 0.0 178.8

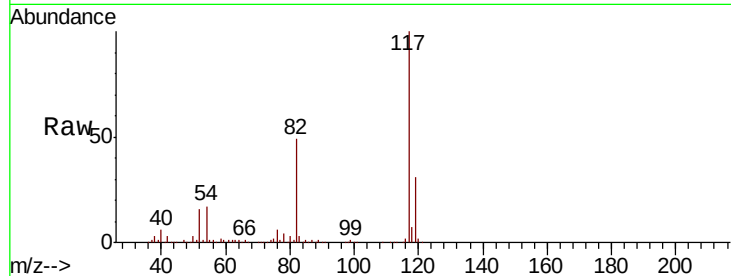




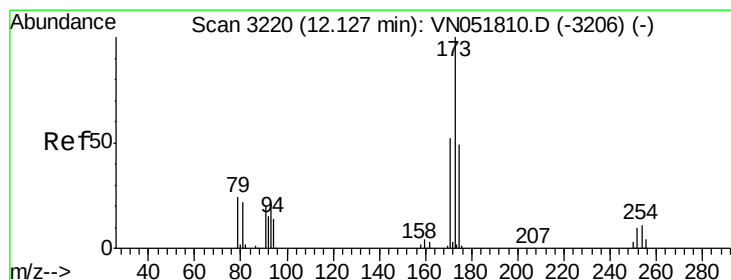
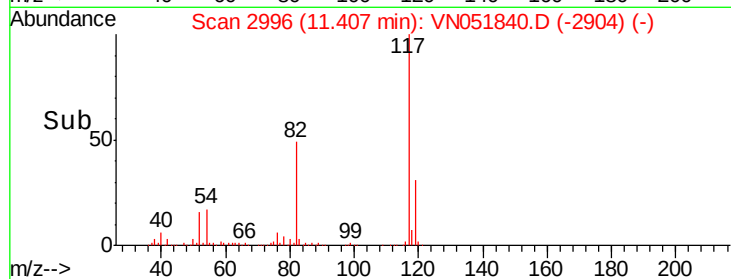
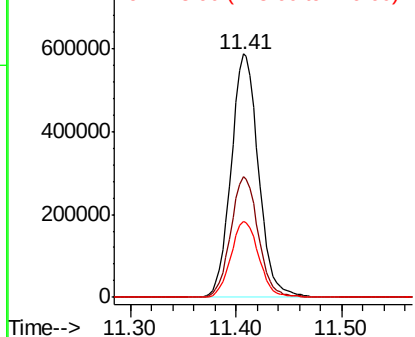
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

Instrument :
MSVOA_N
ClientSampleId :
VN1012WBL02

Tot Ion:117 Resp: 1052145
Ion Ratio Lower Upper
117 100
82 49.4 42.6 64.0
119 31.4 25.8 38.6

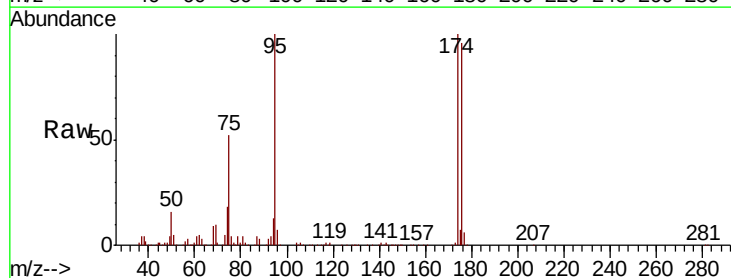


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

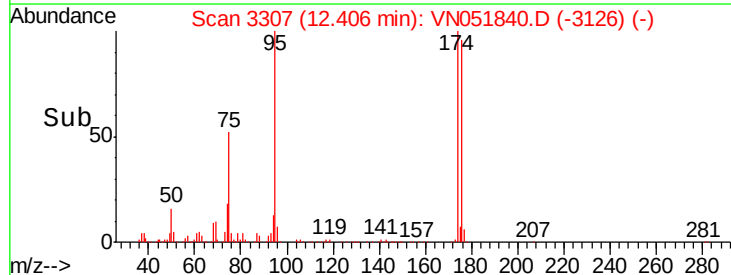
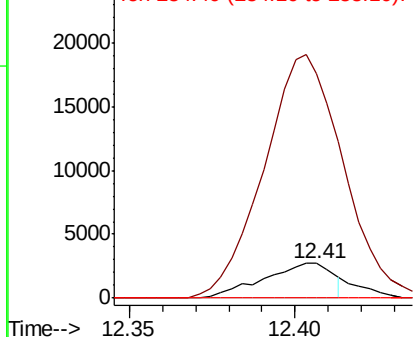


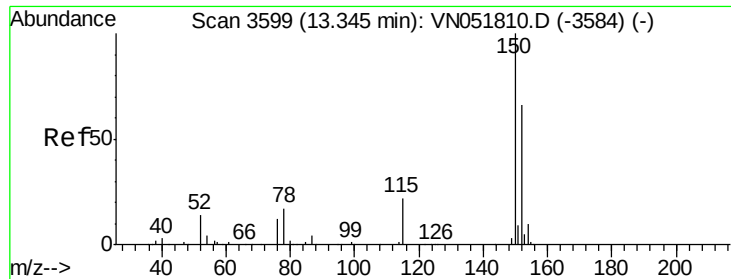
#71
Bromoform
Concen: 4.160 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN051840.D
Acq: 12 Oct 2018 19:07

Tgt Ion:173 Resp: 3995
Ion Ratio Lower Upper
173 100
175 680.9 24.4 73.4#
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBL02

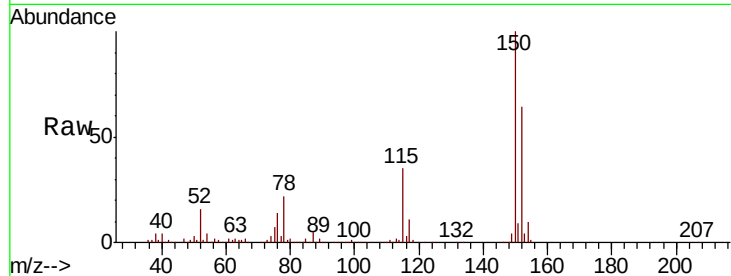
Tot Ion:152 Resp: 370867

Ion Ratio Lower Upper

152 100

115 55.1 27.8 83.4

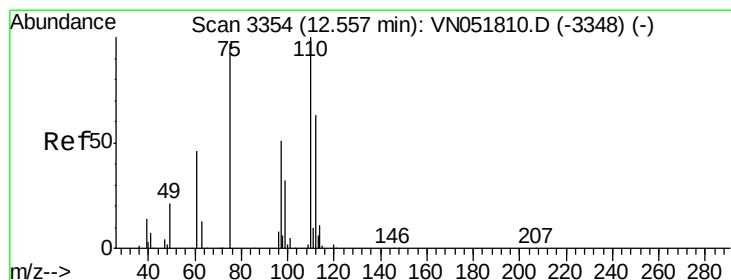
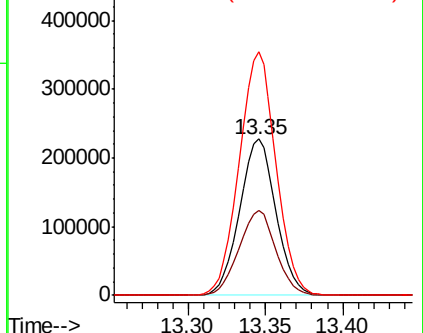
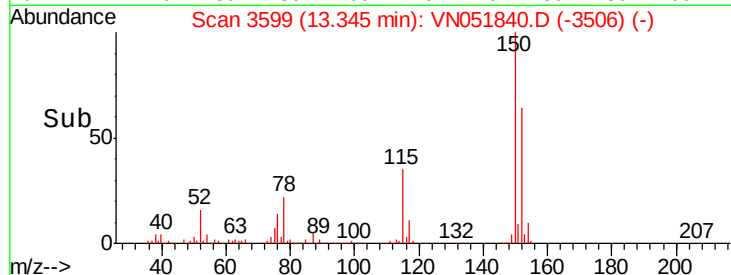
150 157.4 0.0 351.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 52.950 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.16 min

Lab File: VN051840.D

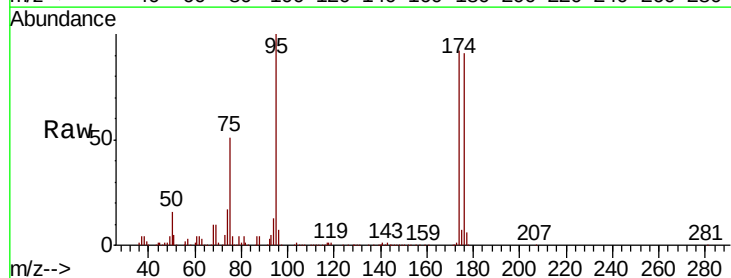
Acq: 12 Oct 2018 19:07

Tgt Ion: 75 Resp: 242162

Ion Ratio Lower Upper

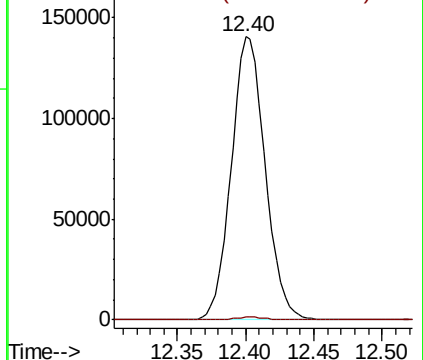
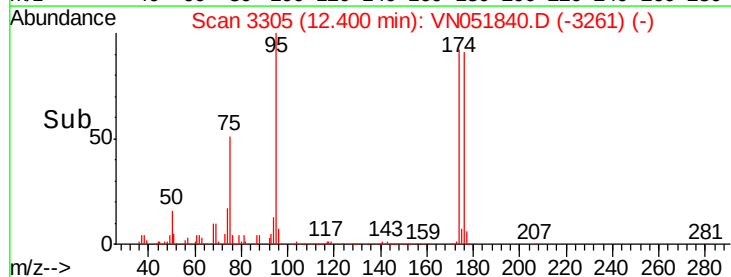
75 100

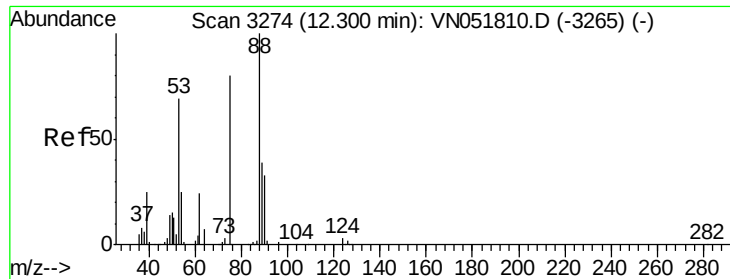
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 150.364 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBL02

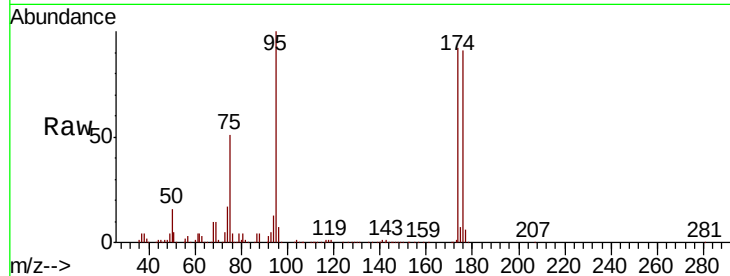
Tot Ion: 75 Resp: 242162

Ion Ratio Lower Upper

75 100

53 0.0 68.9 103.3#

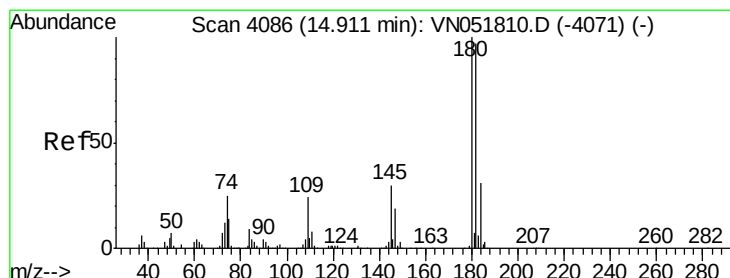
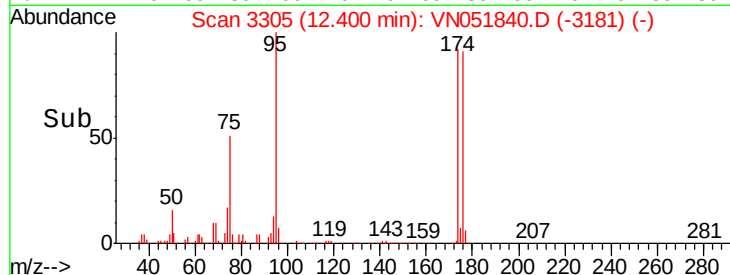
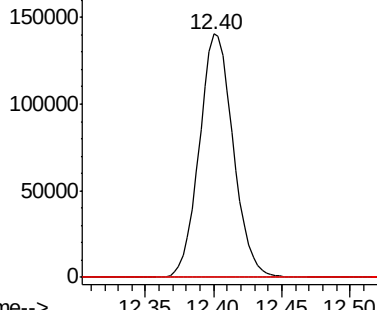
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051840.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051840.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051840.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.949 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

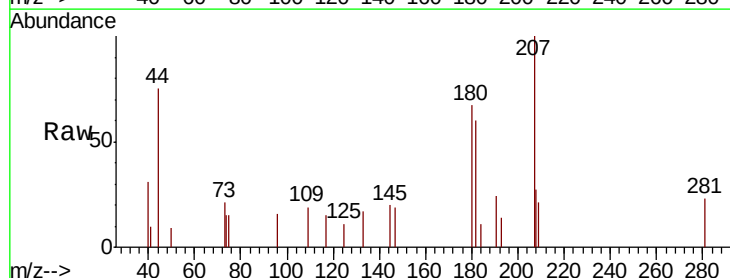
Tgt Ion:180 Resp: 1978

Ion Ratio Lower Upper

180 100

182 84.7 48.2 144.6

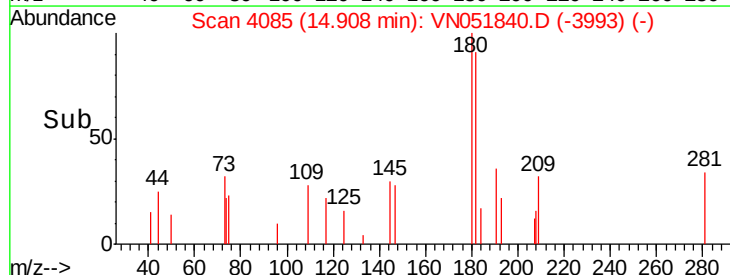
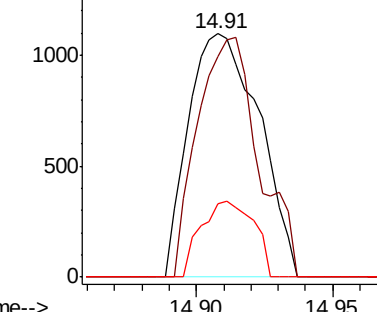
145 23.2 14.1 42.2

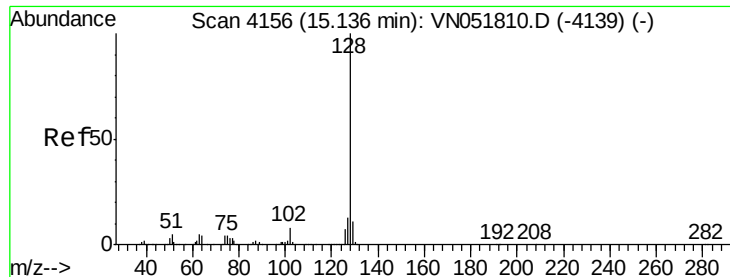


Abundance Ion 179.80 (179.50 to 180.50): VN051840.D (-3993) (-)

Ion 181.80 (181.50 to 182.50): VN051840.D (-3993) (-)

Ion 144.80 (144.50 to 145.50): VN051840.D (-3993) (-)





#95

Naphthalene

Concen: 4.731 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

Instrument :

MSVOA_N

ClientSampleId :

VN1012WBL02

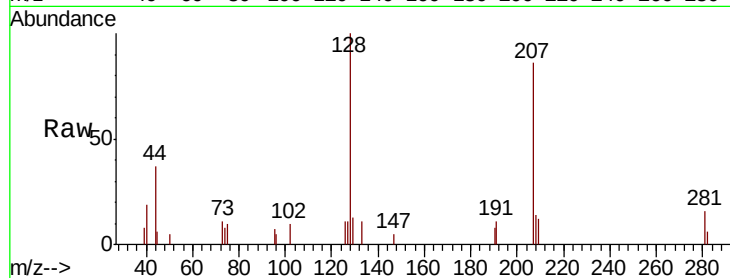
Tot Ion:128 Resp: 5019

Ion Ratio Lower Upper

128 100

127 15.2 10.5 15.7

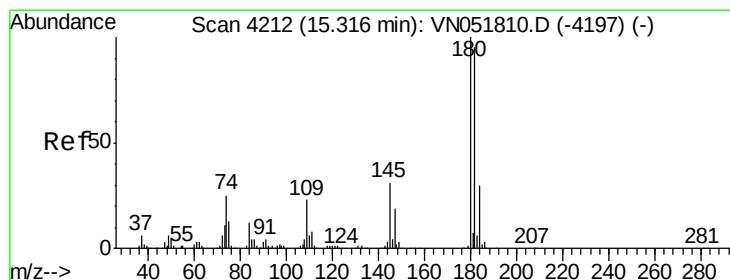
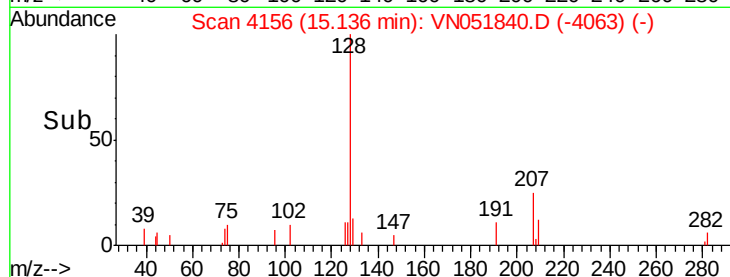
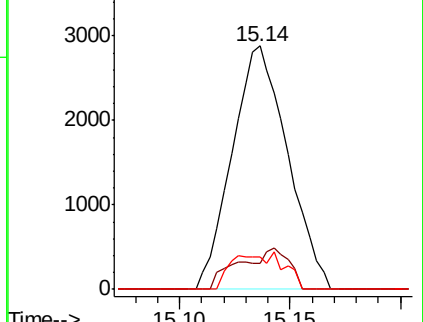
129 13.8 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 3.187 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN051840.D

Acq: 12 Oct 2018 19:07

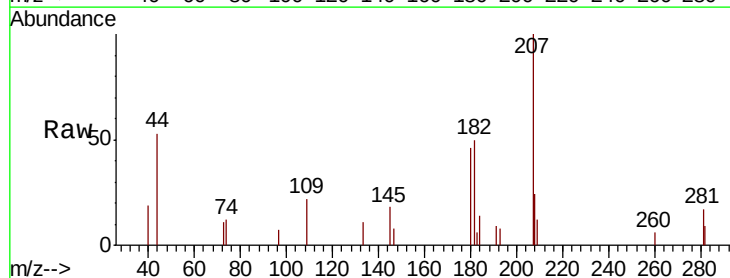
Tgt Ion:180 Resp: 2115

Ion Ratio Lower Upper

180 100

182 113.7 48.0 144.2

145 18.5 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

