

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050099.D
 Acq On : 26 Jul 2018 23:06
 Operator : MD\SY
 Sample : VN0725WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0726WBL02

Quant Time: Jul 27 04:01:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	701333	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1130853	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	939275	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	350853	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	482321	49.29	ug/l	0.00
Spiked Amount			Recovery	=	98.58%	
35) Dibromofluoromethane	7.59	113	423942	45.92	ug/l	0.00
Spiked Amount			Recovery	=	91.84%	
50) Toluene-d8	10.09	98	1523616	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	
62) 4-Bromofluorobenzene	12.40	95	430915	38.55	ug/l	0.00
Spiked Amount			Recovery	=	77.10%	

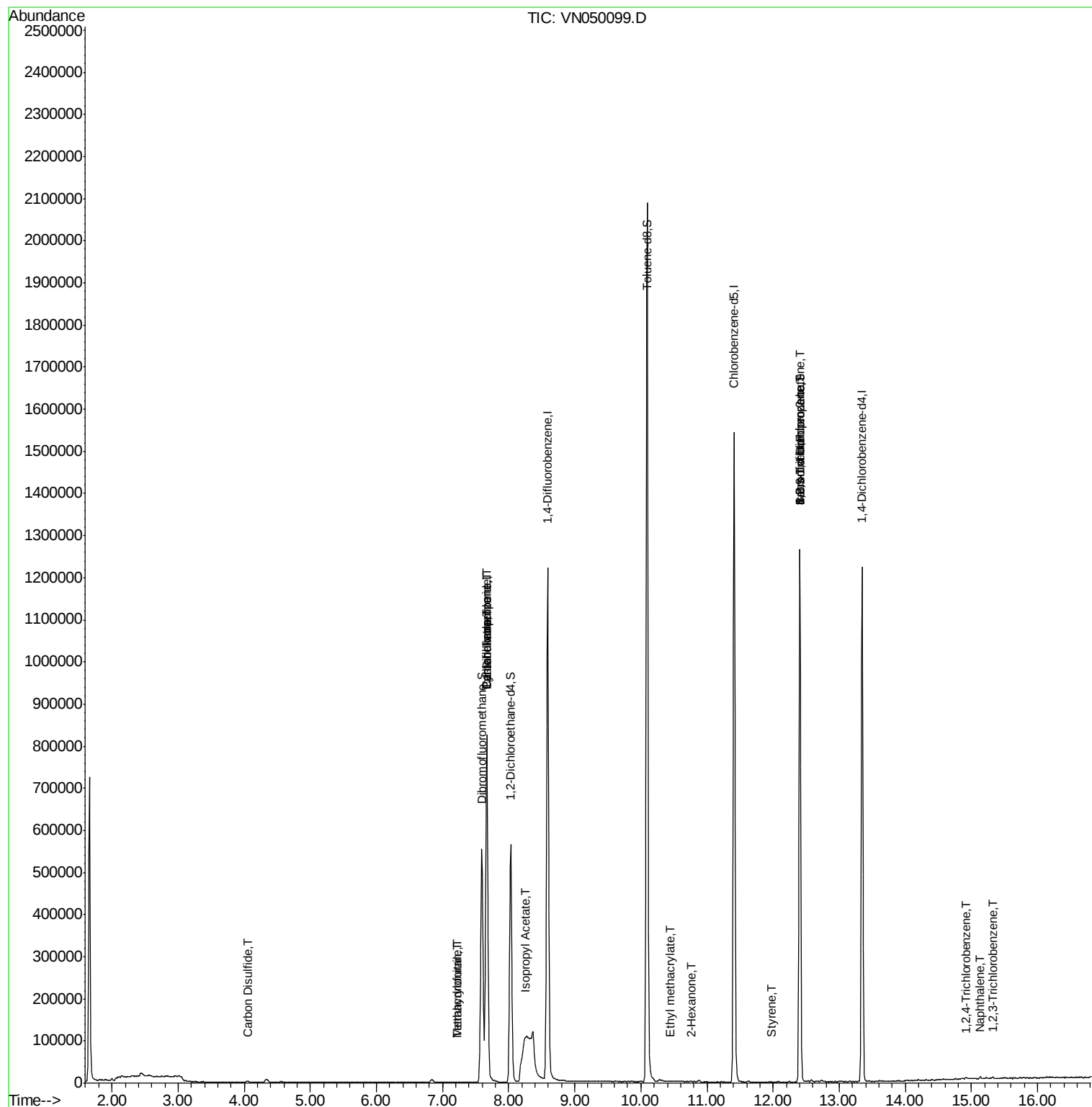
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	127	Below Cal	#	3
16) Acetone	3.83	43	1863	Below Cal	#	42
17) Carbon Disulfide	4.04	76	5596	0.23	ug/l	75
18) Methyl Acetate	4.34	43	14127	Below Cal	#	78
20) Methylene Chloride	4.56	84	461	Below Cal	#	48
29) Tetrahydrofuran	7.22	42	557	0.23	ug/l	32
31) Cyclohexane	7.67	56	13247	0.92	ug/l	1
36) 1,1-Dichloropropene	7.67	75	50075	3.93	ug/l	48
38) Carbon Tetrachloride	7.67	117	62640	4.63	ug/l	16
41) Methacrylonitrile	7.21	41	229	2.80	ug/l	27
43) Isopropyl Acetate	8.24	43	114740	5.85	ug/l	61
56) Ethyl methacrylate	10.44	69	71	2.04	ug/l	26
59) 2-Hexanone	10.77	43	490	5.25	ug/l	79
70) Styrene	11.97	104	403	0.94	ug/l	30
71) Bromoform	12.40	173	4053	0.61	ug/l	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	170	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	208422	31.96	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	208422	101.39	ug/l	13
93) 1,2,4-Trichlorobenzene	14.92	180	1144	3.24	ug/l	86
95) Naphthalene	15.13	128	3819	4.63	ug/l	90
96) 1,2,3-Trichlorobenzene	15.32	180	1124	2.37	ug/l	97

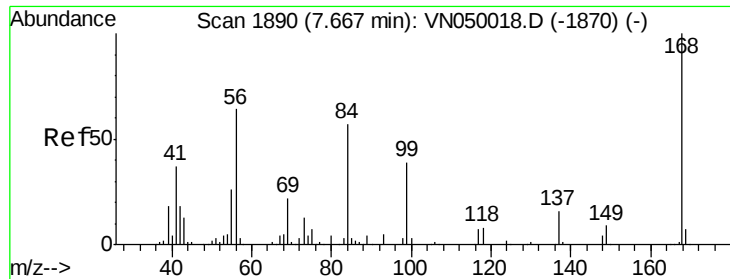
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN072618\
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ClientSampleId :
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Quant Time: Jul 27 04:01:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 26 18:10:10 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

Instrument :

MSVOA_N

ClientSampleId :

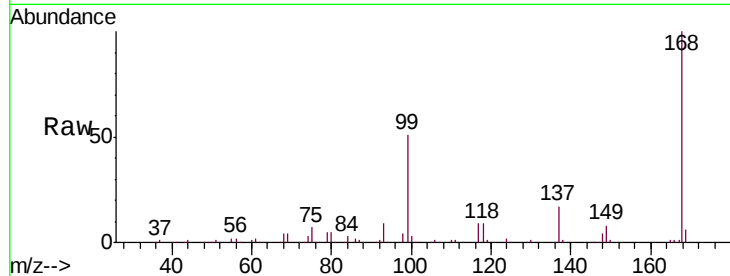
VN0726WBL02

Tot Ion:168 Resp: 701333

Ion Ratio Lower Upper

168 100

99 51.1 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

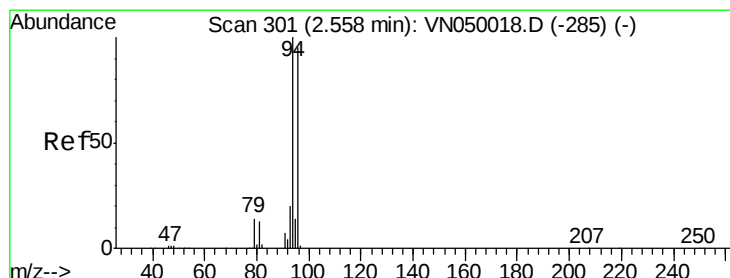
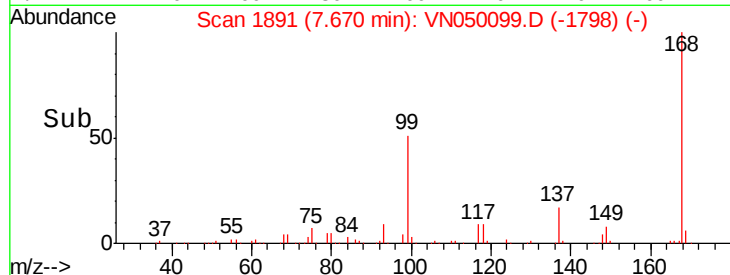
200000

100000

0

Time-->

7.60 7.70 7.80



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 294

Delta R.T. -0.02 min

Lab File: VN050099.D

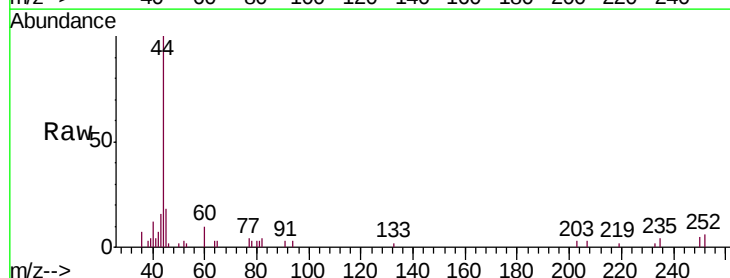
Acq: 26 Jul 2018 23:06

Tgt Ion: 94 Resp: 127

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

300

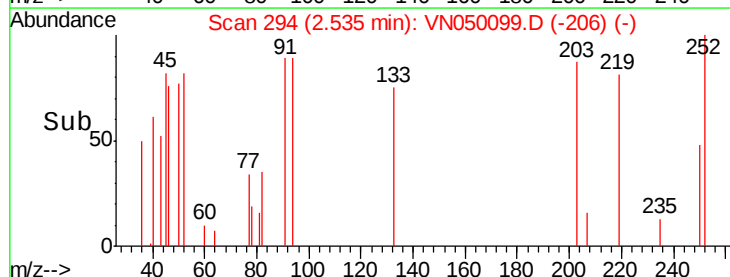
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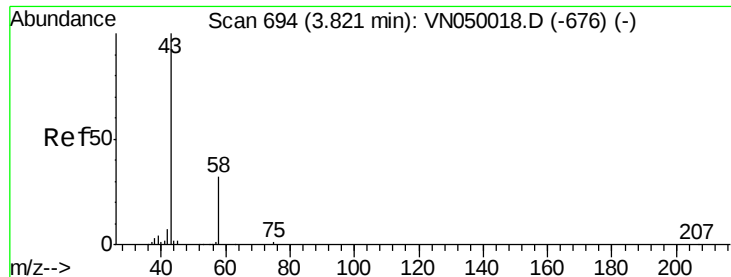
100

0

Time-->

2.52 2.53 2.54





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

Instrument :

MSVOA_N

ClientSampleId :

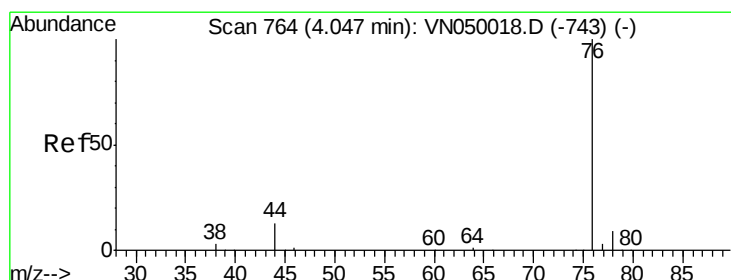
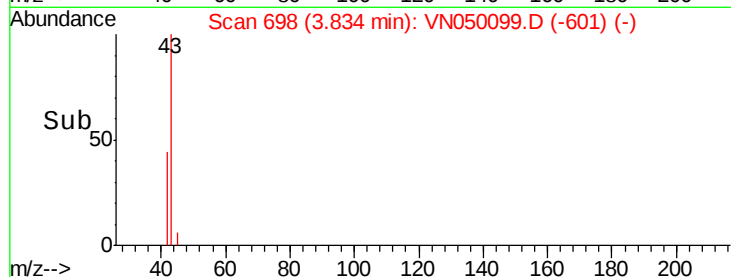
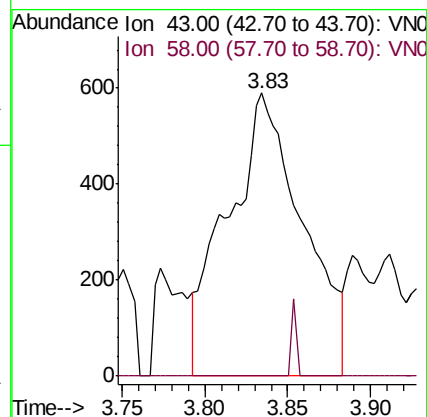
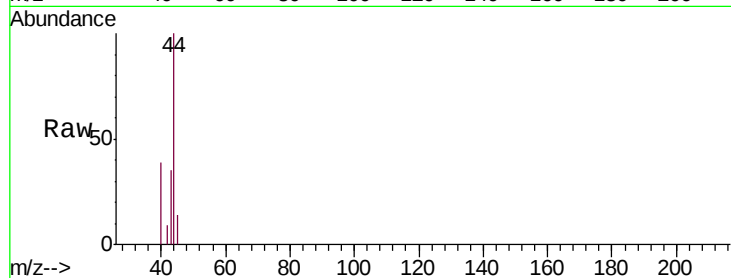
VN0726WBL02

Tot Ion: 43 Resp: 1863

Ion Ratio Lower Upper

43 100

58 0.0 25.8 38.8#



#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN050099.D

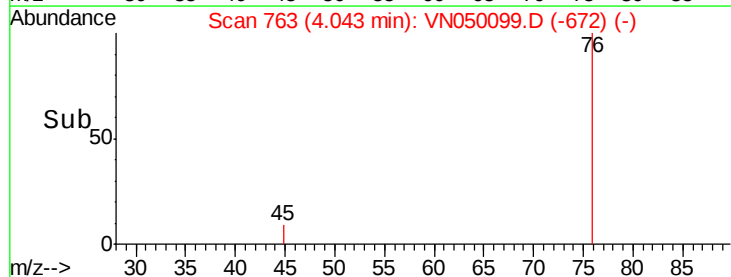
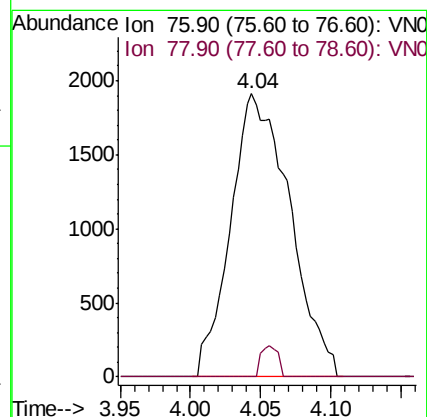
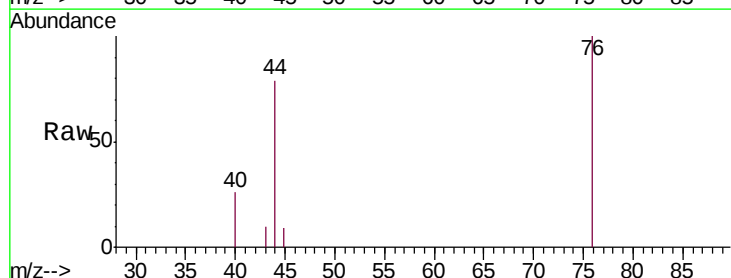
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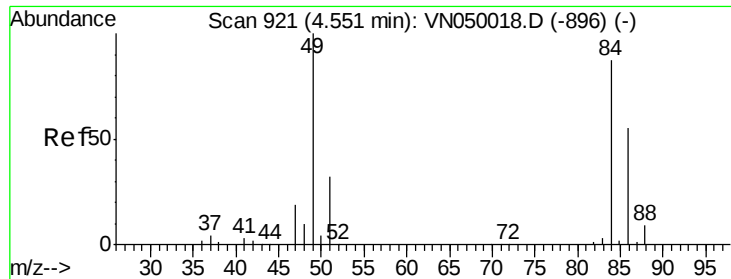
Tgt Ion: 76 Resp: 5596

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

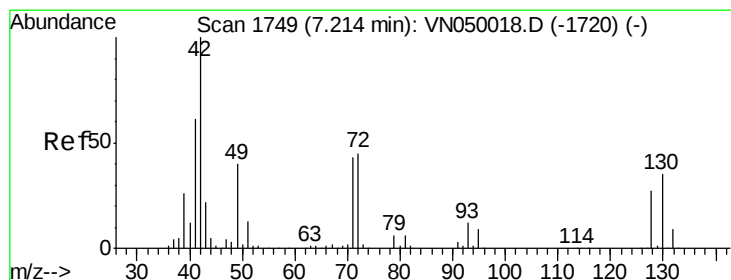
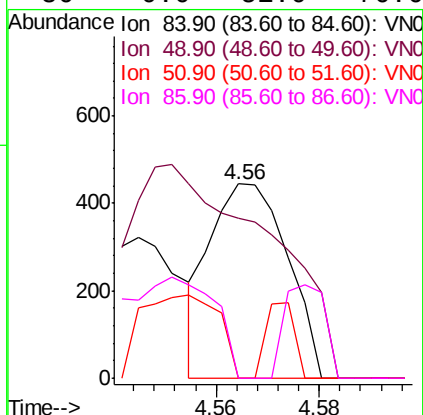
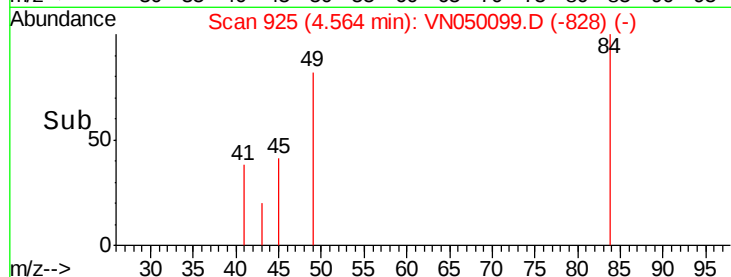
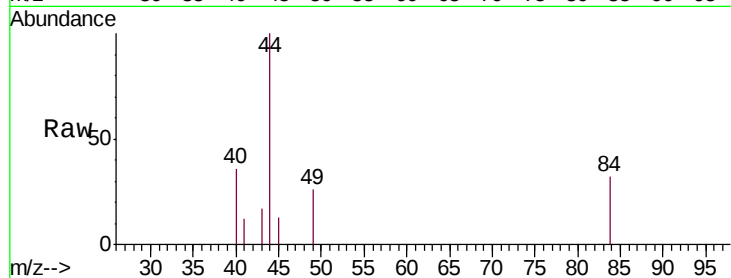




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 925
Delta R.T. 0.01 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

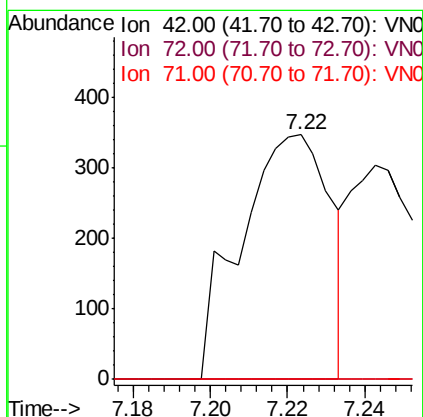
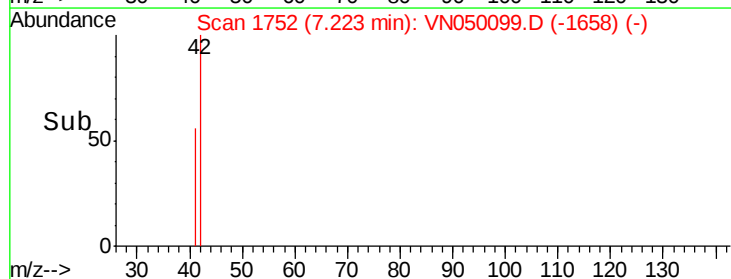
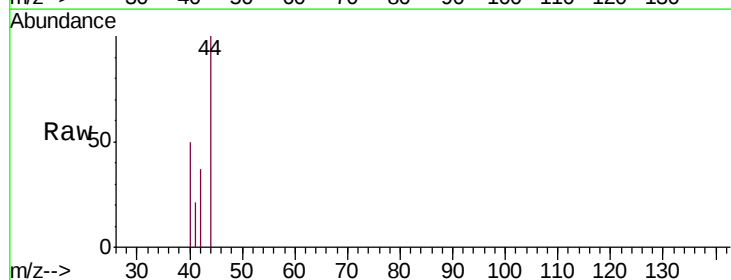
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBL02

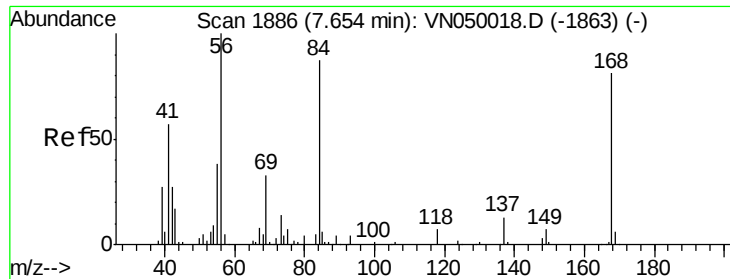
Tot Ion: 84 Resp: 461
Ion Ratio Lower Upper
84 100
49 82.2 94.8 142.2#
51 0.0 28.3 42.5#
86 0.0 51.0 76.6#



#29
Tetrahydrofuran
Concen: 0.23 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Tgt Ion: 42 Resp: 557
Ion Ratio Lower Upper
42 100
72 0.0 35.9 53.9#
71 0.0 33.7 50.5#

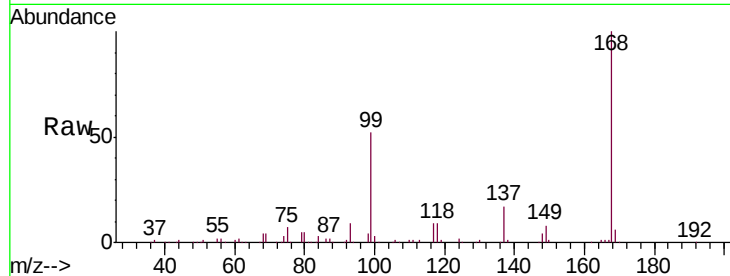




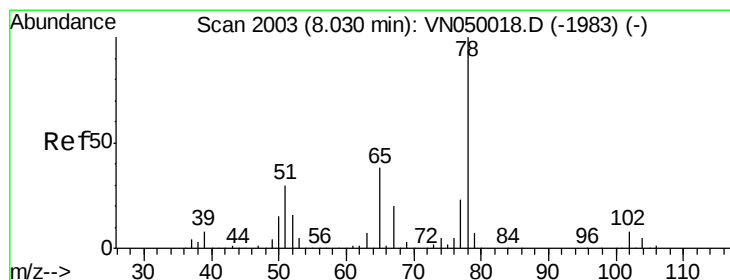
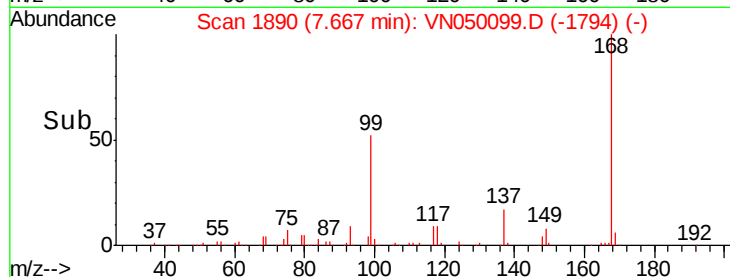
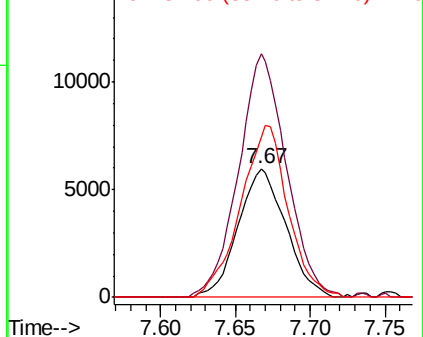
#31
Cyclohexane
Concen: 0.92 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Instrument :
MSVOA_N
ClientSampled :
VN0726WBL02

Tot Ion: 56 Resp: 13247
Ion Ratio Lower Upper
56 100
69 189.4 26.2 39.4#
84 124.9 67.4 101.0#

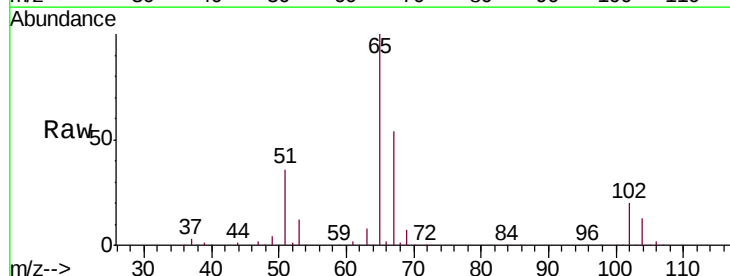


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

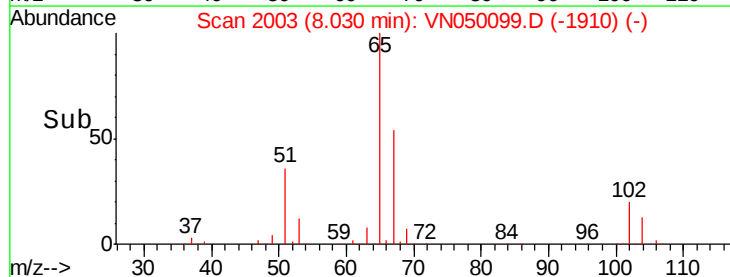
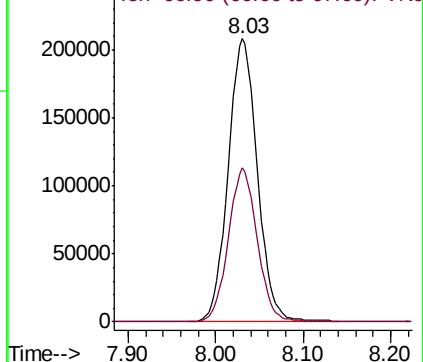


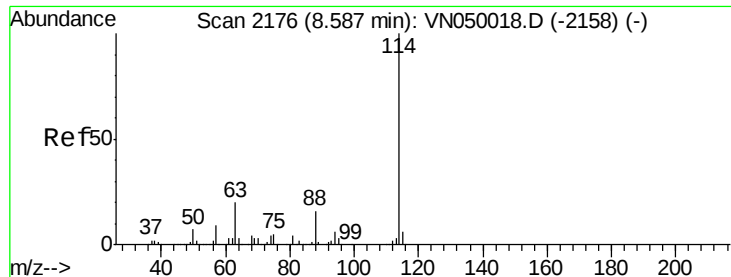
#33
1,2-Dichloroethane-d4
Concen: 49.29 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Tgt Ion: 65 Resp: 482321
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

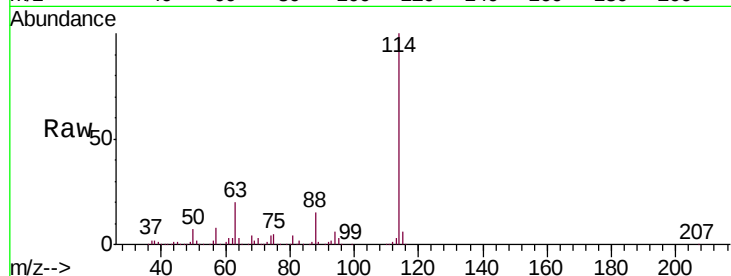




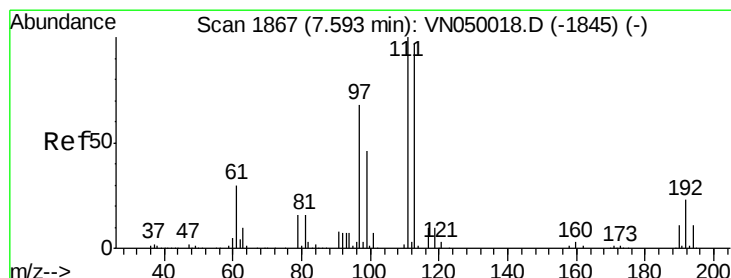
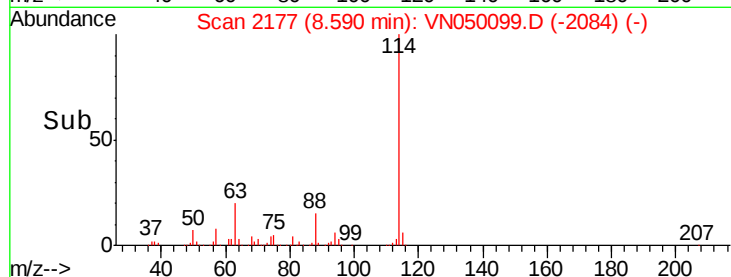
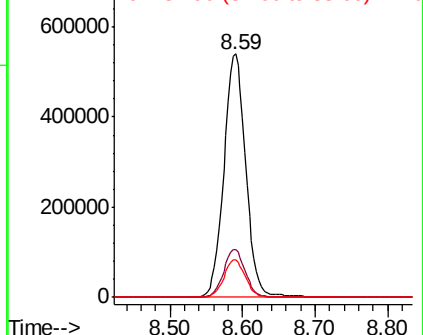
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Instrument :
MSVOA_N
ClientSampleId :
VN0726WBL02

Tot Ion:114 Resp: 1130853
Ion Ratio Lower Upper
114 100
63 19.7 0.0 40.0
88 15.3 0.0 31.2

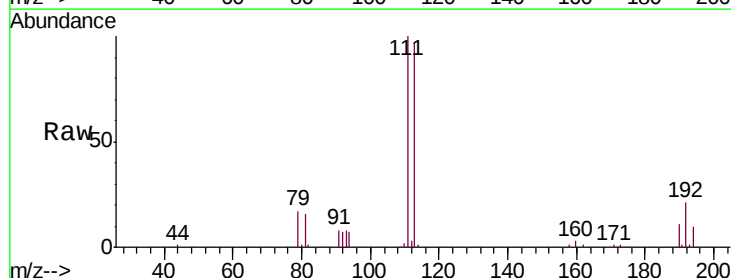


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

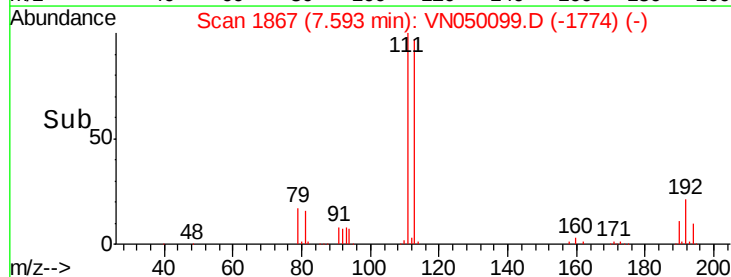
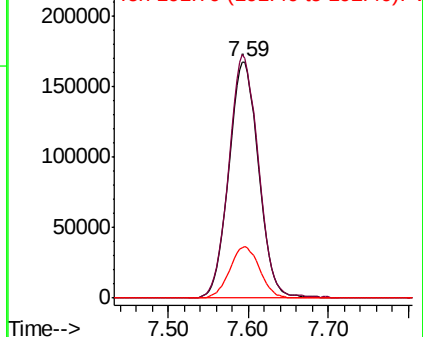


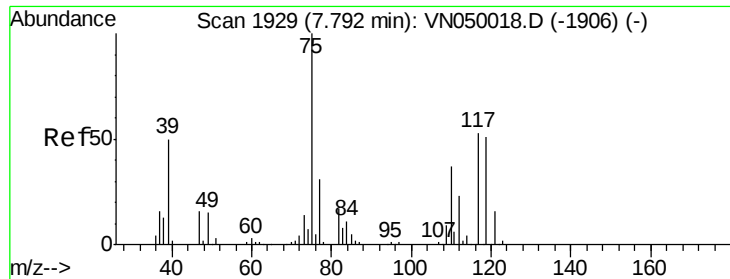
#35
Dibromofluoromethane
Concen: 45.92 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Tgt Ion:113 Resp: 423942
Ion Ratio Lower Upper
113 100
111 102.3 80.7 121.1
192 21.8 17.8 26.6



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

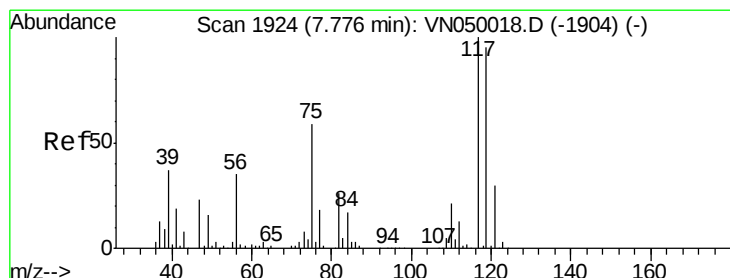
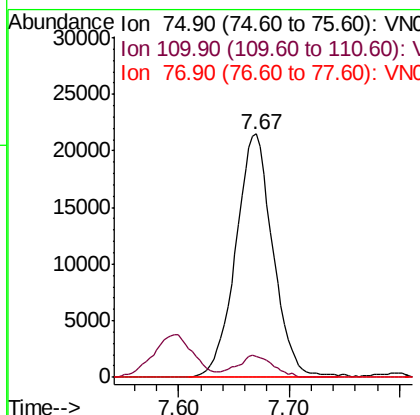
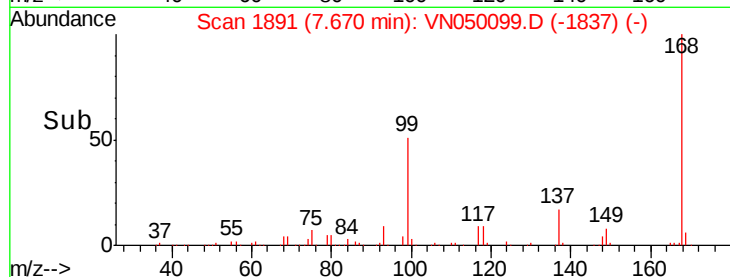
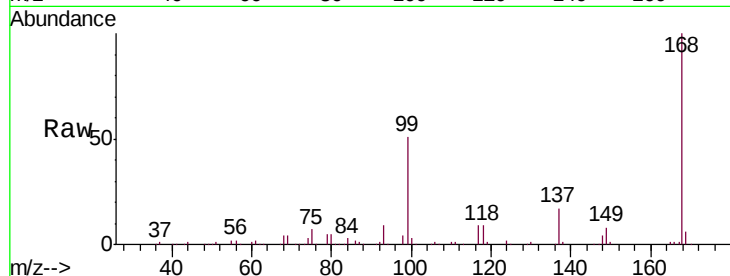




#36
 1,1-Dichloropropene
 Concen: 3.93 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050099.D
 Acq: 26 Jul 2018 23:06

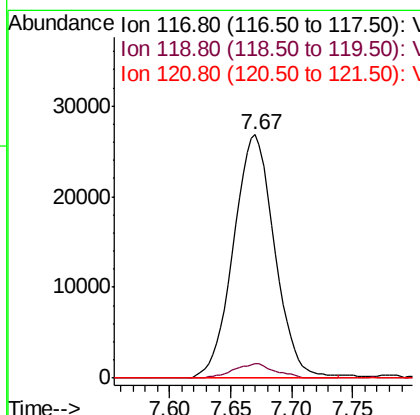
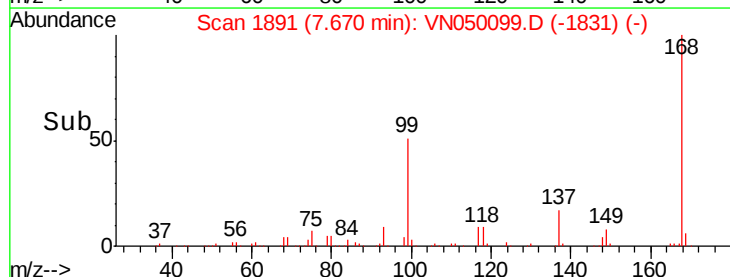
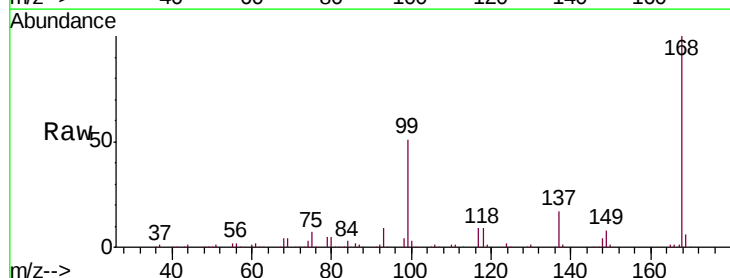
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 VN0726WBL02

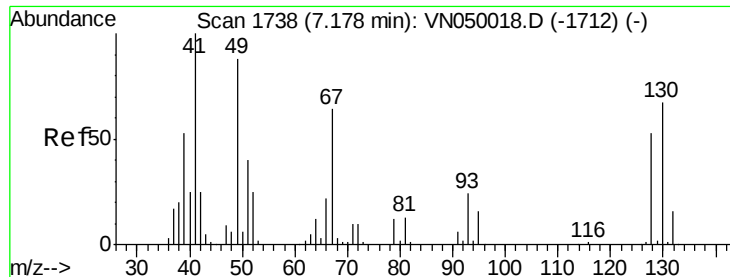
Tot Ion: 75 Resp: 50075
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.2#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 4.63 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050099.D
 Acq: 26 Jul 2018 23:06

Tgt Ion: 117 Resp: 62640
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.4 116.0#
 121 0.0 23.9 35.9#

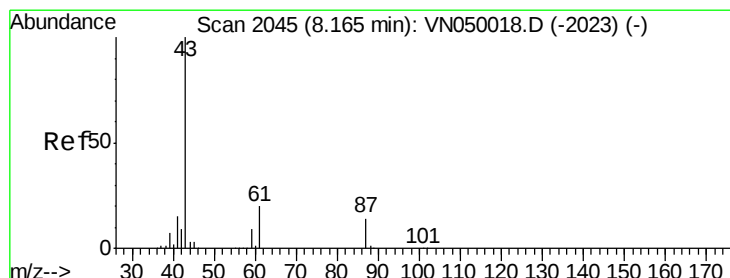
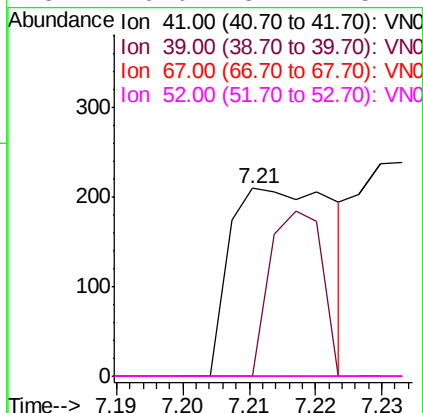
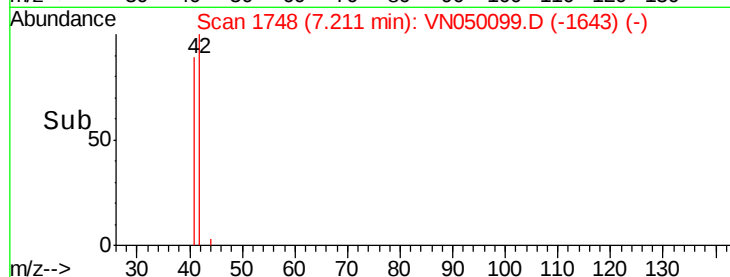
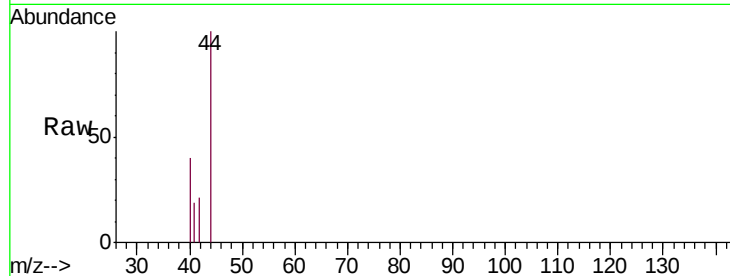




#41
Methacrylonitrile
Concen: 2.80 ug/l
RT: 7.21 min Scan# 1748
Delta R.T. 0.04 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

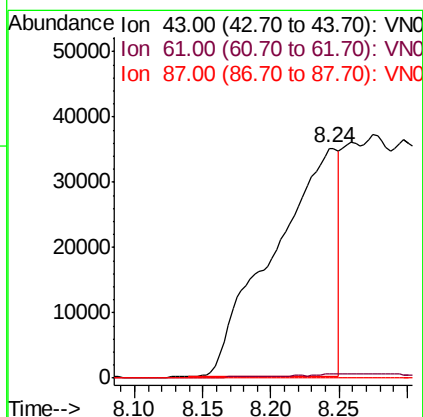
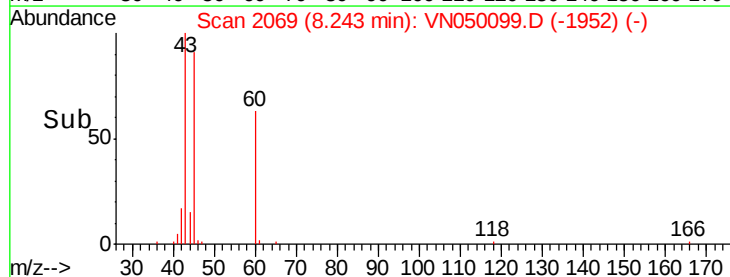
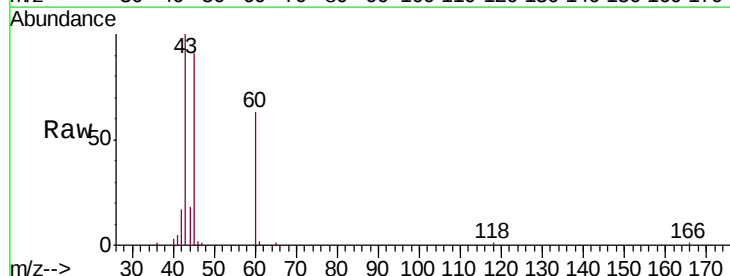
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MSVOA_N
ClientSampled :
VN0726WBL02

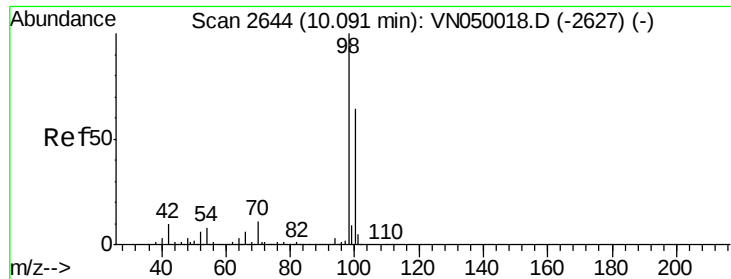
Tot Ion: 41 Resp: 229
Ion Ratio Lower Upper
41 100
39 43.7 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 5.85 ug/l
RT: 8.24 min Scan# 2069
Delta R.T. 0.07 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Tgt Ion: 43 Resp: 114740
Ion Ratio Lower Upper
43 100
61 0.0 15.8 23.6#
87 0.0 10.3 15.5#

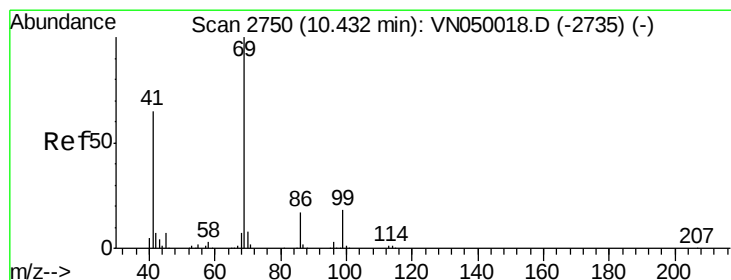
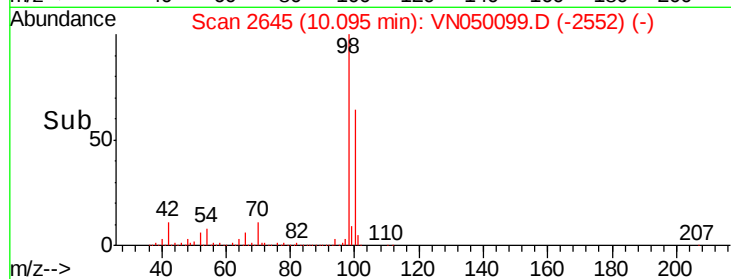
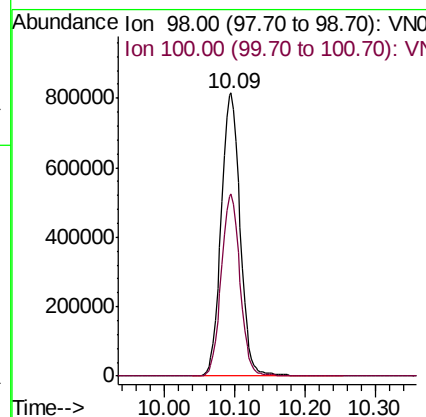
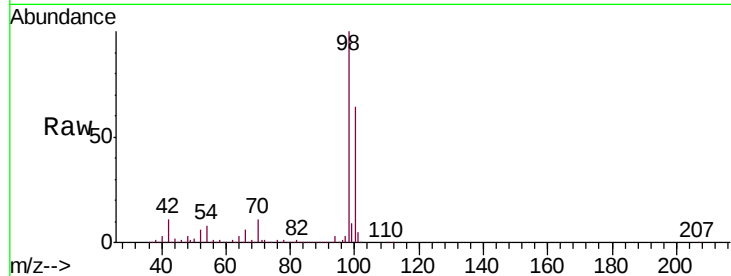




#50
Toluene-d8
Concen: 44.89 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

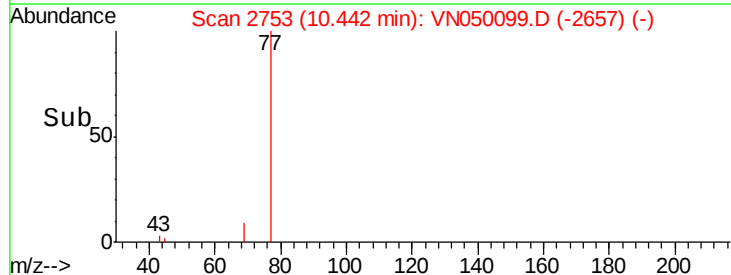
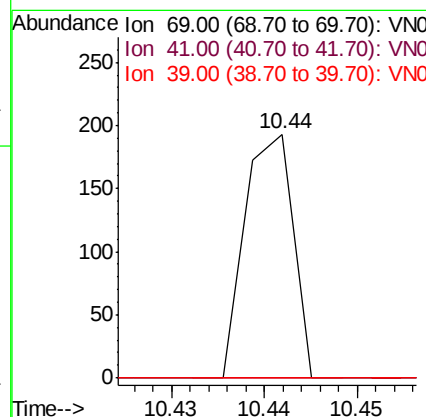
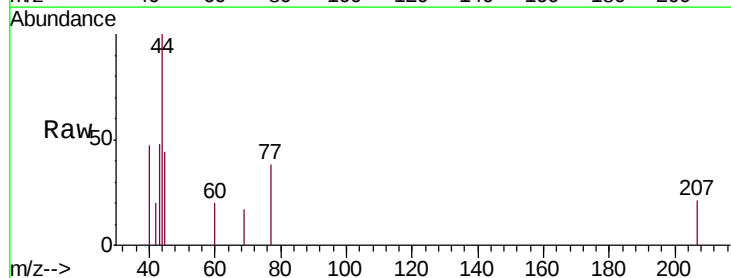
Instrument :
MSVOA_N
ClientSampled :
VN0726WBL02

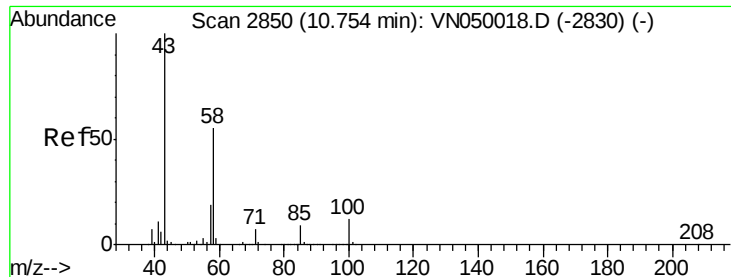
Tot Ion: 98 Resp: 1523616
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1



#56
Ethyl methacrylate
Concen: 2.04 ug/l
RT: 10.44 min Scan# 2753
Delta R.T. 0.01 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Tgt Ion: 69 Resp: 71
Ion Ratio Lower Upper
69 100
41 0.0 51.0 76.4#
39 0.0 26.6 40.0#

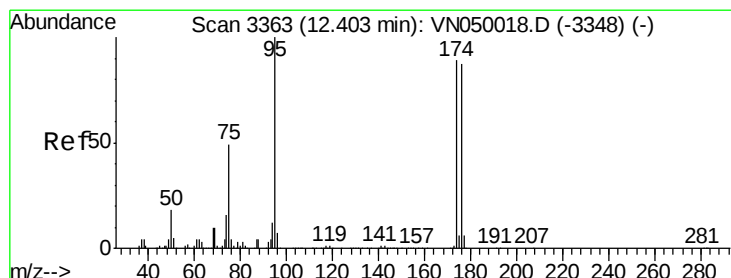
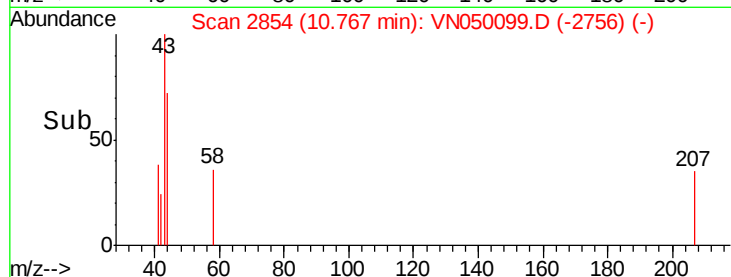
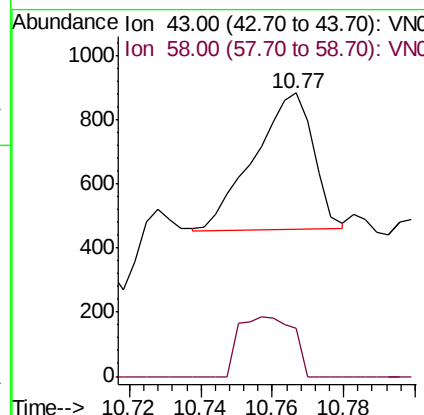
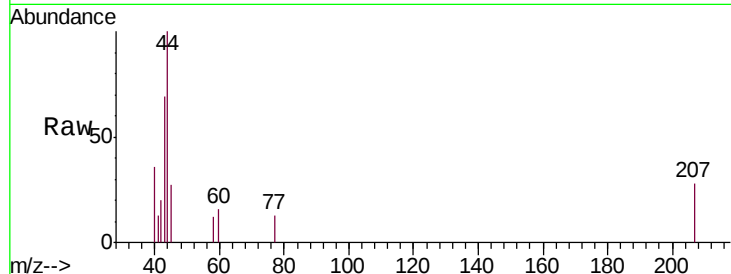




#59
2-Hexanone
Concen: 5.25 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

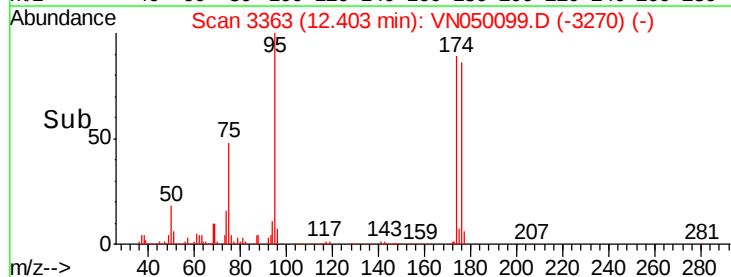
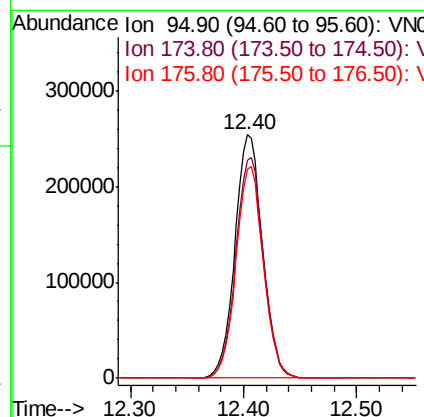
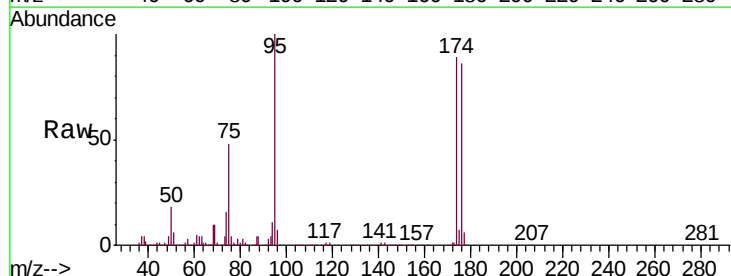
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBL02

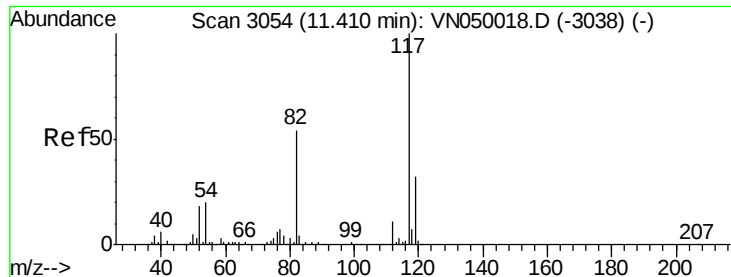
Tot Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
58 39.8 27.6 82.7



#62
4-Bromofluorobenzene
Concen: 38.55 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Tgt Ion: 95 Resp: 430915
Ion Ratio Lower Upper
95 100
174 91.4 0.0 178.2
176 86.3 0.0 173.4

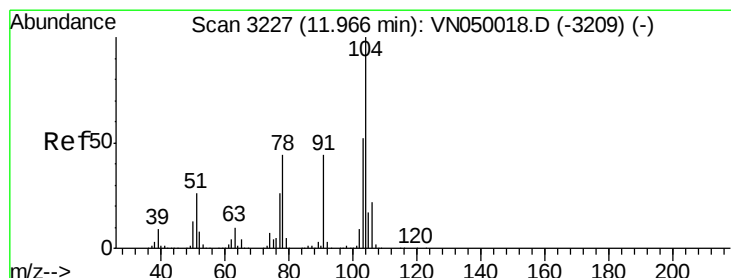
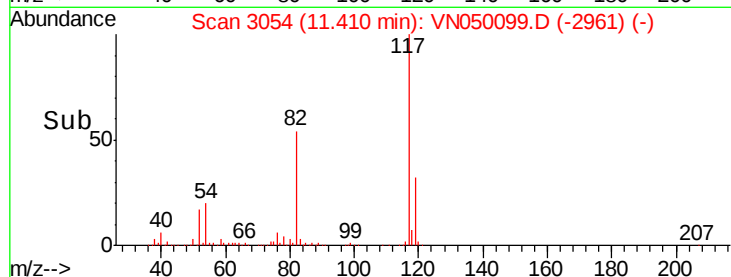
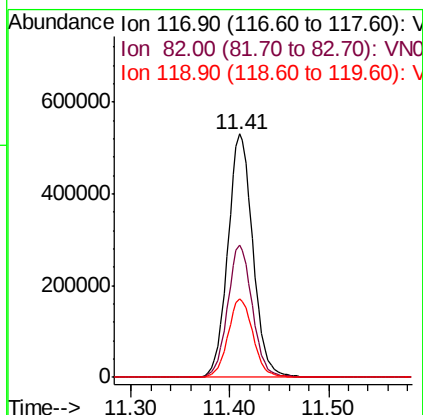
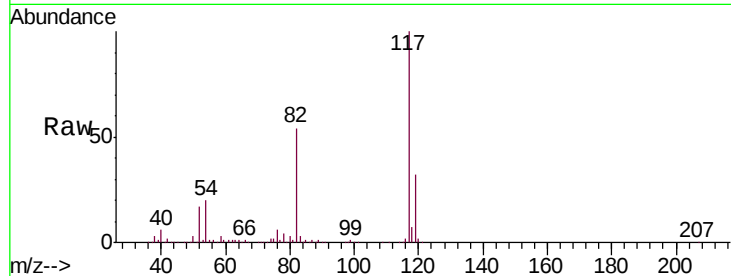




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

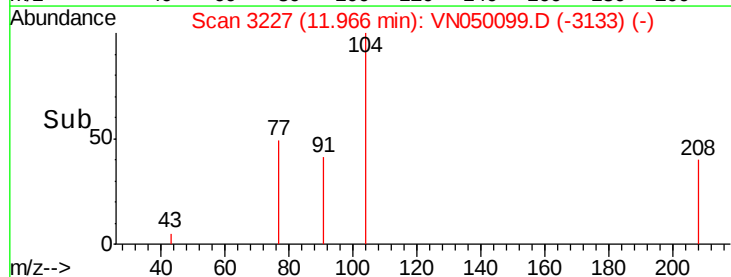
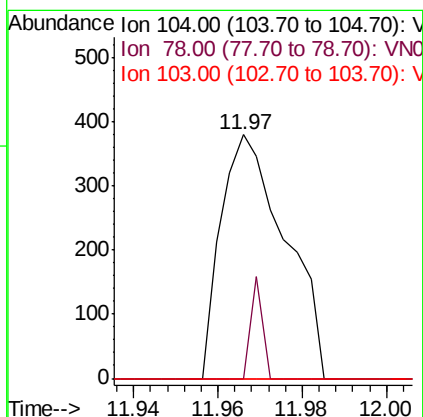
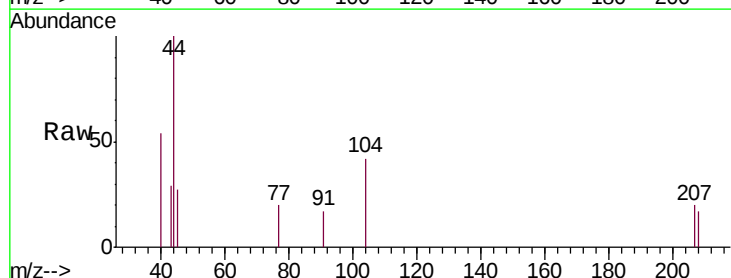
Instrument :
MSVOA_N
ClientSampleId :
VN0726WBL02

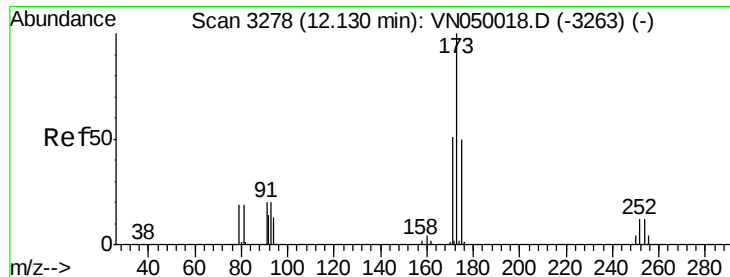
Tot Ion:117 Resp: 939275
Ion Ratio Lower Upper
117 100
82 54.3 43.7 65.5
119 32.1 26.1 39.1



#70
Styrene
Concen: 0.94 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050099.D
Acq: 26 Jul 2018 23:06

Tgt Ion:104 Resp: 403
Ion Ratio Lower Upper
104 100
78 7.4 39.3 58.9#
103 0.0 45.0 67.6#





#71

Bromoform

Concen: 0.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

Instrument :

MSVOA_N

ClientSampled :

VN0726WBL02

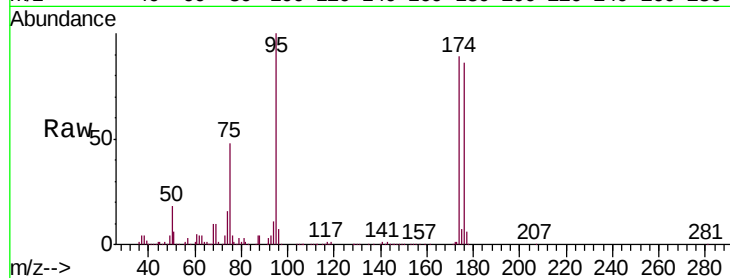
Tot Ion:173 Resp: 4053

Ion Ratio Lower Upper

173 100

175 612.9 24.1 72.2#

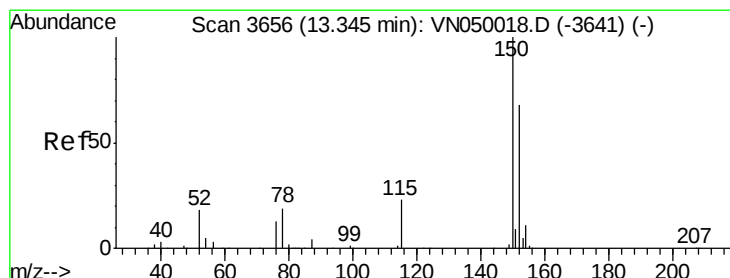
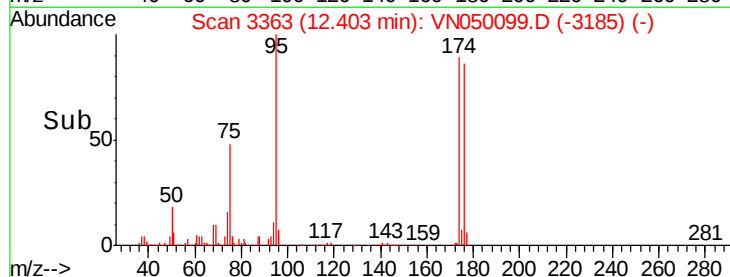
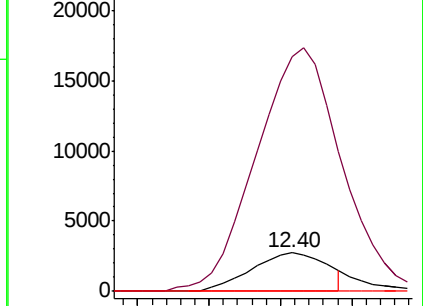
254 0.0 0.2 0.2#



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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

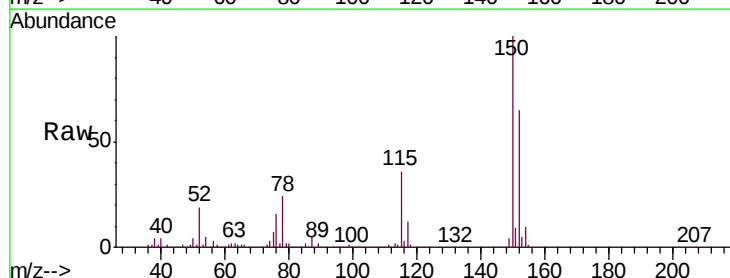
Tgt Ion:152 Resp: 350853

Ion Ratio Lower Upper

152 100

115 55.9 27.8 83.3

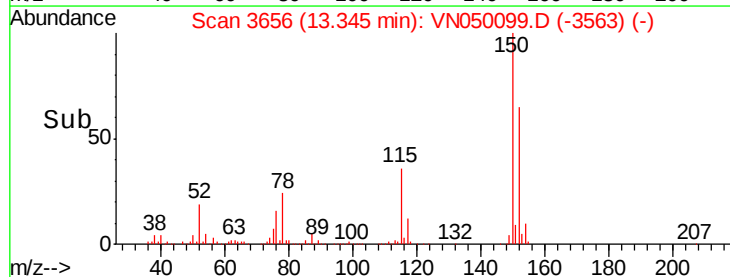
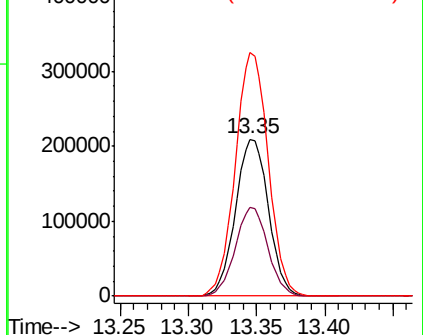
150 155.1 0.0 348.6

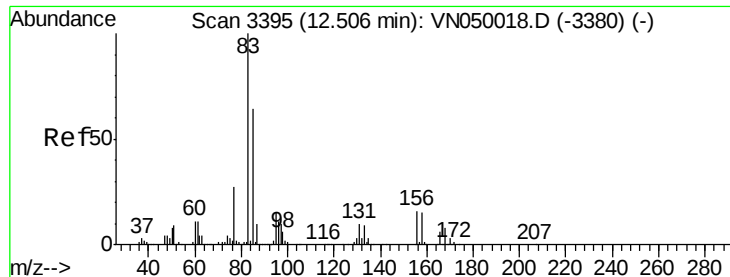


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBL02

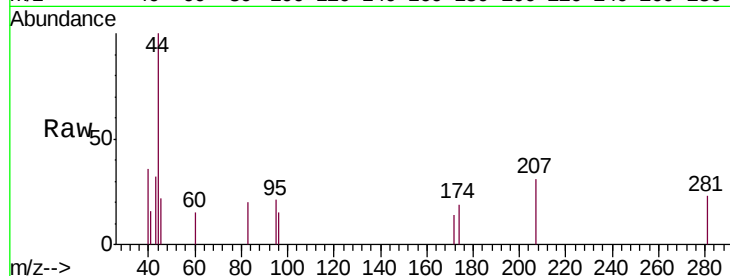
Tot Ion: 83 Resp: 170

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.3#

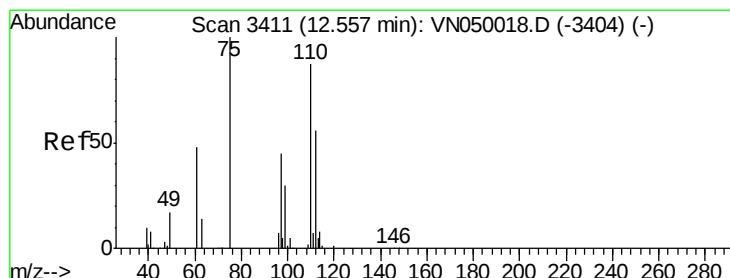
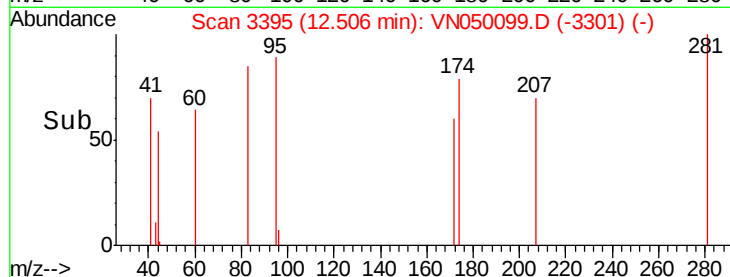
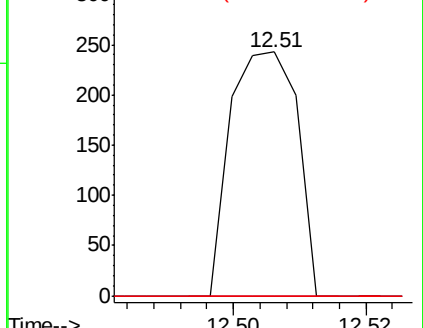
85 0.0 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 31.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050099.D

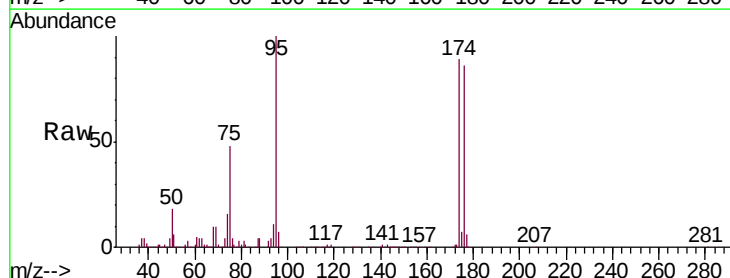
Acq: 26 Jul 2018 23:06

Tgt Ion: 75 Resp: 208422

Ion Ratio Lower Upper

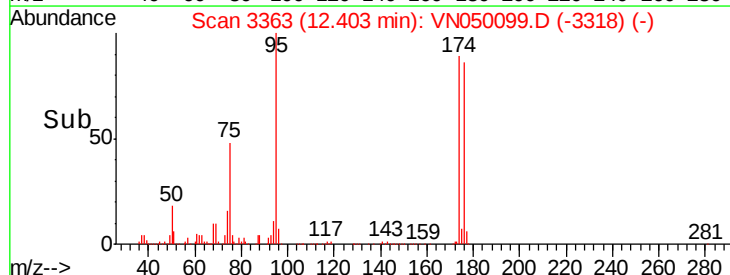
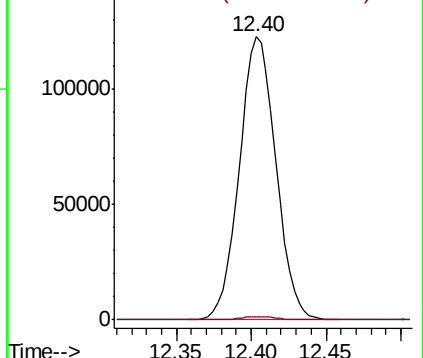
75 100

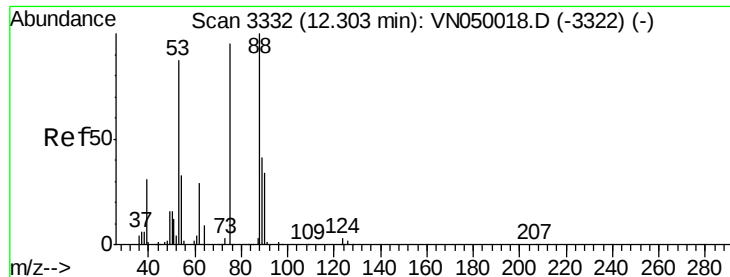
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 101.39 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBL02

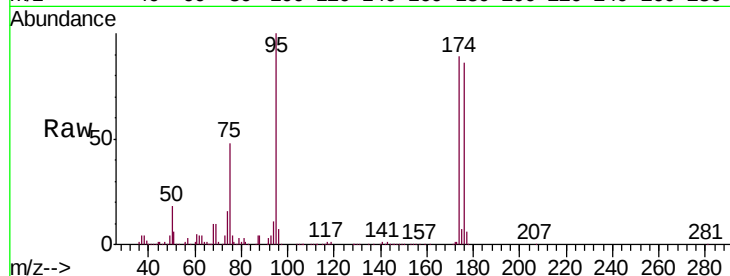
Tot Ion: 75 Resp: 208422

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

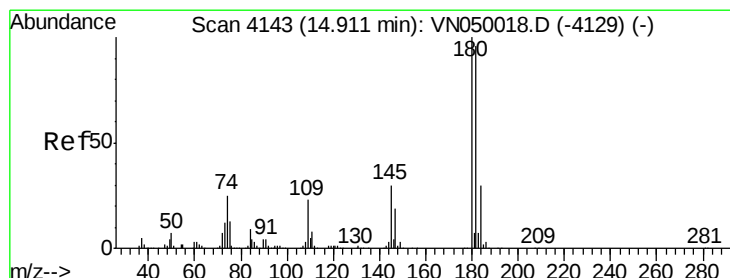
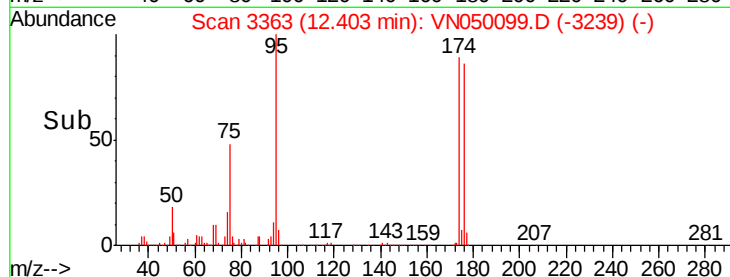
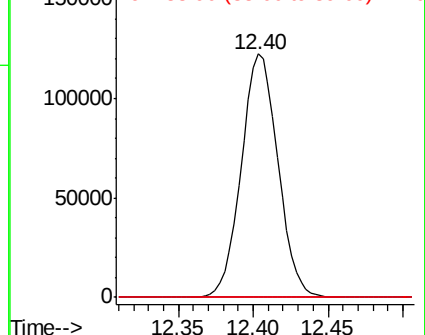
89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#93

1,2,4-Trichlorobenzene

Concen: 3.24 ug/l

RT: 14.92 min Scan# 4146

Delta R.T. 0.01 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

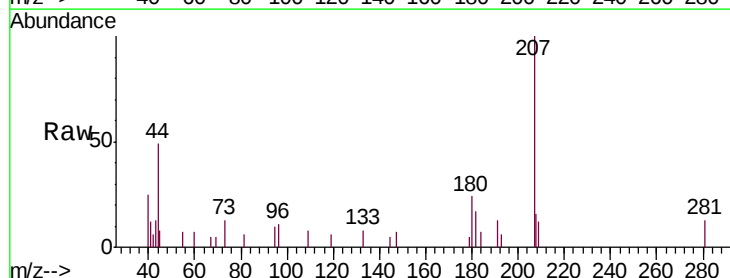
Tgt Ion: 180 Resp: 1144

Ion Ratio Lower Upper

180 100

182 81.8 46.7 140.1

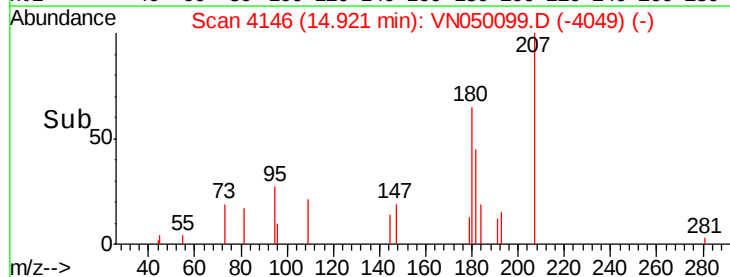
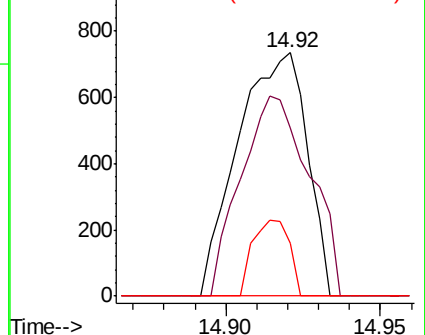
145 16.3 13.8 41.4

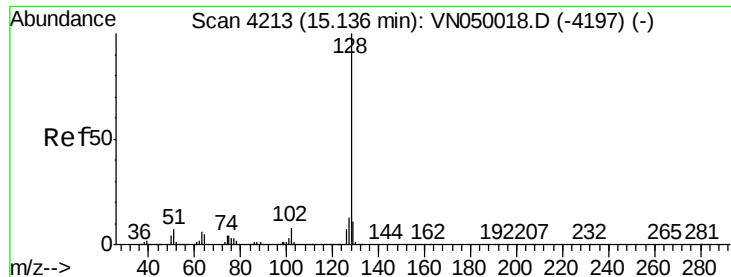


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 4.63 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

Instrument :

MSVOA_N

ClientSampleId :

VN0726WBL02

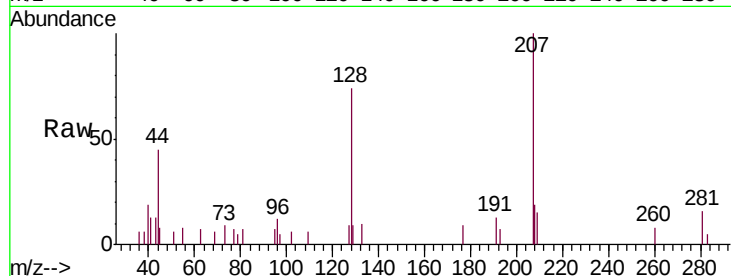
Tot Ion:128 Resp: 3819

Ion Ratio Lower Upper

128 100

127 8.8 10.4 15.6#

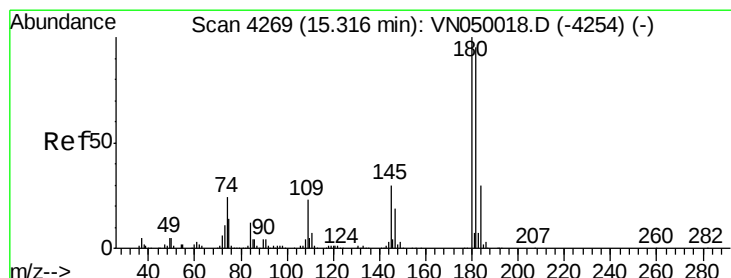
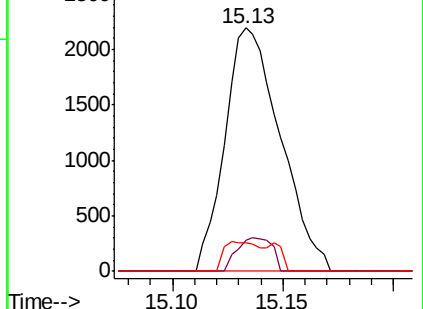
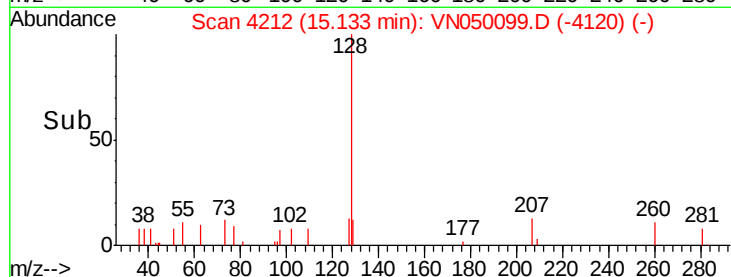
129 7.3 8.8 13.2#



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: 2.37 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050099.D

Acq: 26 Jul 2018 23:06

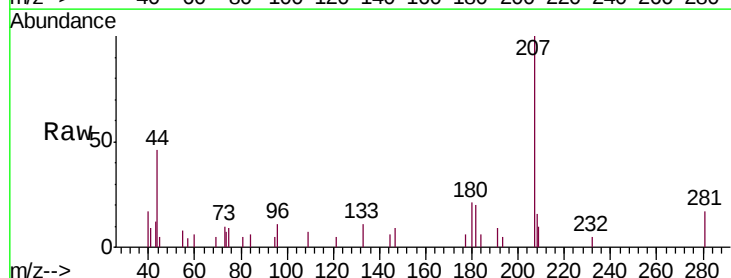
Tgt Ion:180 Resp: 1124

Ion Ratio Lower Upper

180 100

182 97.8 48.1 144.4

145 27.2 15.3 45.9



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

