

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072018\
 Data File : VN049983.D
 Acq On : 21 Jul 2018 2:13
 Operator : MD\SY
 Sample : VN0720WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBL02

Quant Time: Jul 21 05:17:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	549033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	913709	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	742394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	265607	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	395199	52.37	ug/l	0.00
Spiked Amount			Recovery	=	104.74%	
35) Dibromofluoromethane	7.59	113	352541	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	10.09	98	1216127	43.51	ug/l	0.00
Spiked Amount			Recovery	=	87.02%	
62) 4-Bromofluorobenzene	12.40	95	320975	33.35	ug/l	0.00
Spiked Amount			Recovery	=	66.70%	

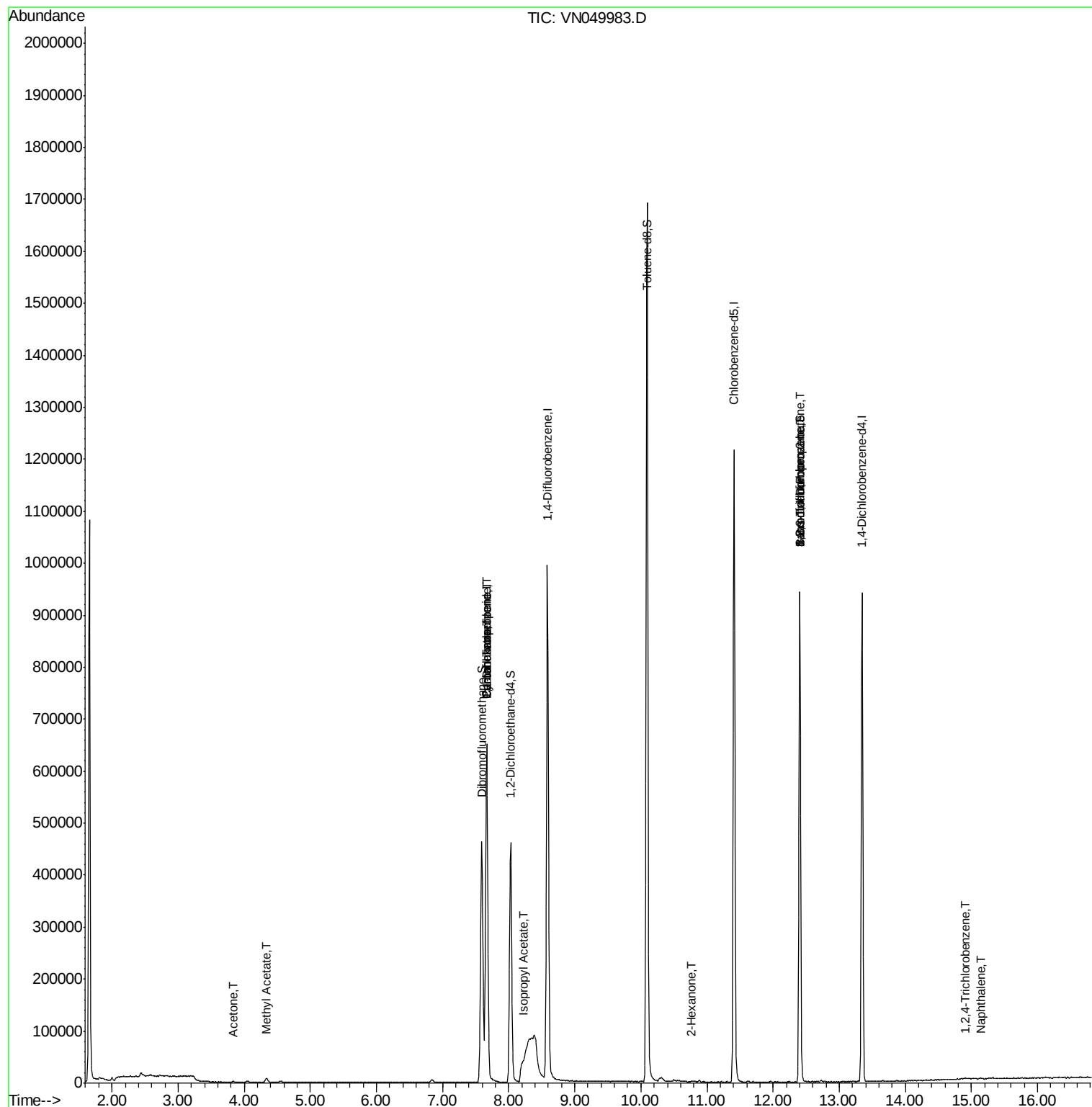
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	153	Below Cal	#	44
5) Bromomethane	2.57	94	1480	Below Cal		91
16) Acetone	3.83	43	1110	0.57	ug/l	94
18) Methyl Acetate	4.34	43	12608	1.25	ug/l	99
31) Cyclohexane	7.67	56	10806	1.08	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	40960	4.03	ug/l	# 48
38) Carbon Tetrachloride	7.67	117	50205	4.61	ug/l	# 17
43) Isopropyl Acetate	8.22	43	34053	2.79	ug/l	# 62
59) 2-Hexanone	10.76	43	994	0.22	ug/l	# 55
71) Bromoform	12.40	173	3073	0.59	ug/l	# 1
76) 1,2,3-Trichloropropane	12.40	75	156989	31.51	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	156989	98.52	ug/l	# 13
93) 1,2,4-Trichlorobenzene	14.91	180	949	3.64	ug/l	# 76
95) Naphthalene	15.14	128	2154	4.65	ug/l	# 83

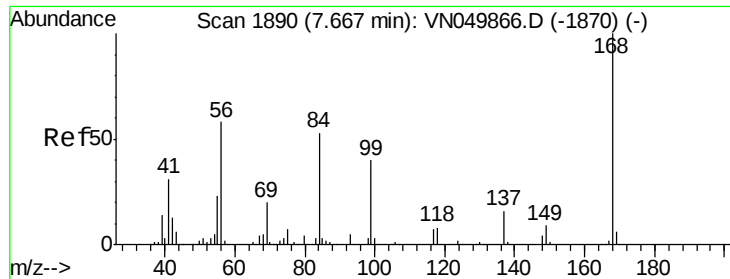
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00mL/MSVOA N/WATER
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ClientSampleId :
VN0720WBL02

Quant Time: Jul 21 02:30:30 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 19 01:58:39 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049983.D

Acq: 21 Jul 2018 2:13

Instrument :

MSVOA_N

ClientSampled :

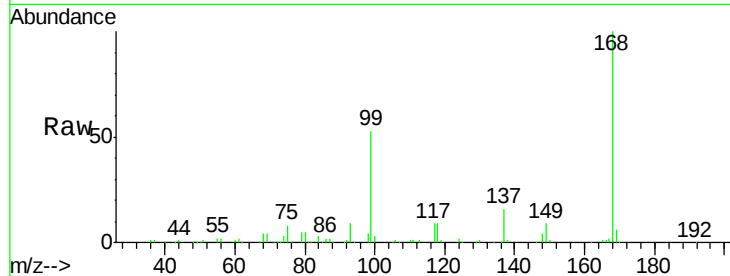
VN0720WBL02

Tot Ion:168 Resp: 549033

Ion Ratio Lower Upper

168 100

99 52.8 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

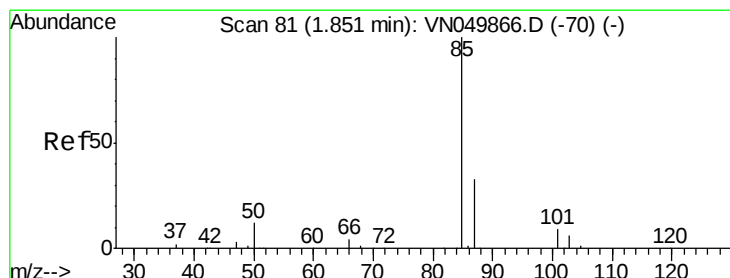
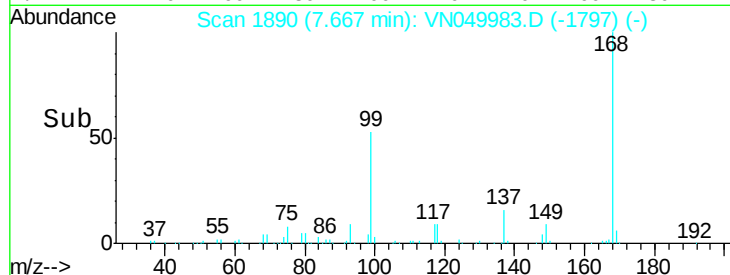
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049983.D

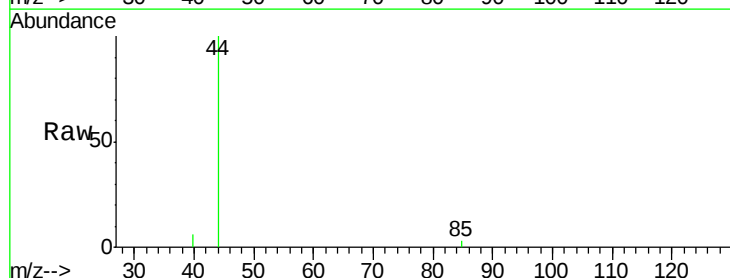
Acq: 21 Jul 2018 2:13

Tgt Ion: 85 Resp: 153

Ion Ratio Lower Upper

85 100

87 0.0 15.4 46.1#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250

200

150

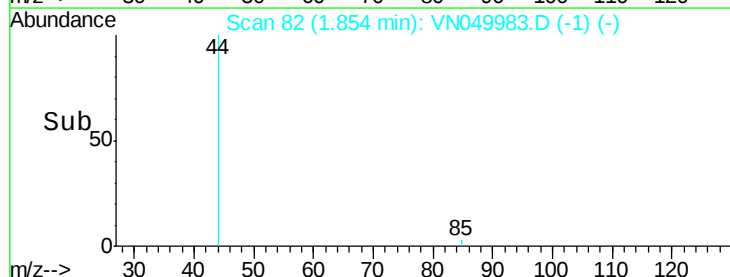
100

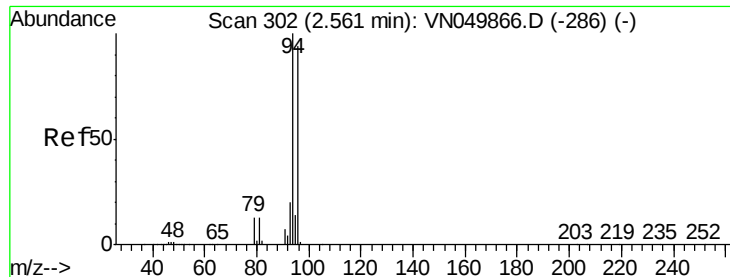
50

0

1.84 1.85 1.86 1.87

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049983.D

Acq: 21 Jul 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

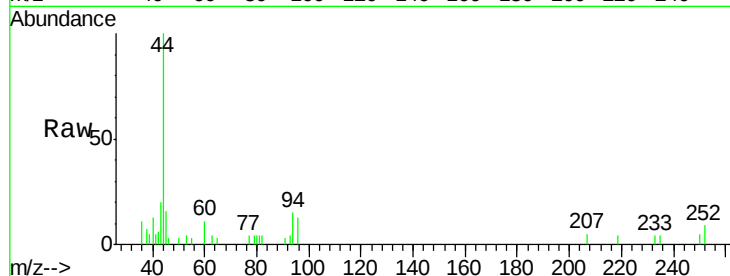
VN0720WBL02

Tot Ion: 94 Resp: 1480

Ion Ratio Lower Upper

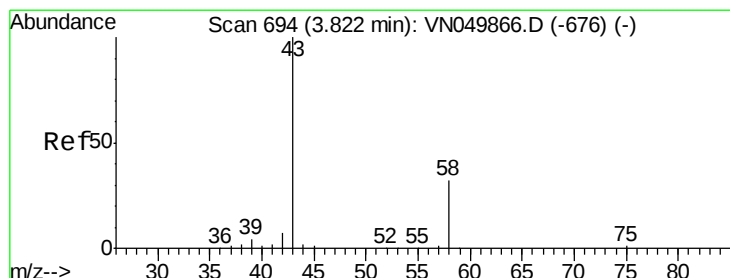
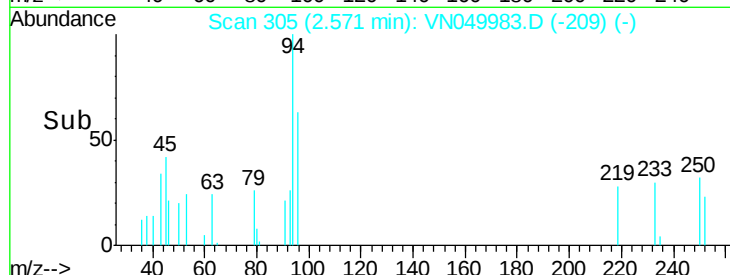
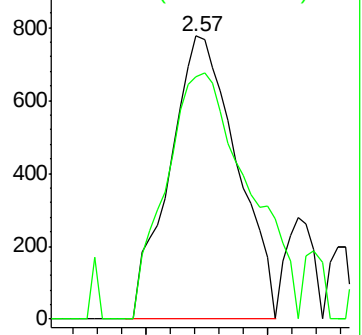
94 100

96 85.8 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#16

Acetone

Concen: 0.57 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN049983.D

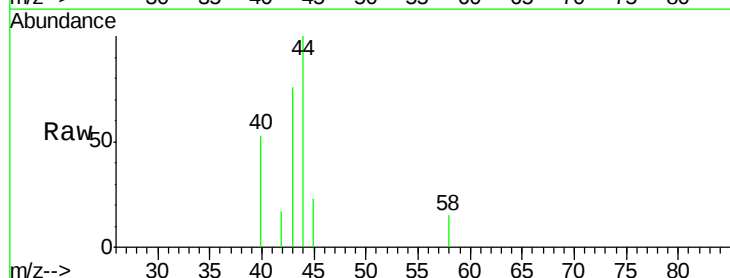
Acq: 21 Jul 2018 2:13

Tgt Ion: 43 Resp: 1110

Ion Ratio Lower Upper

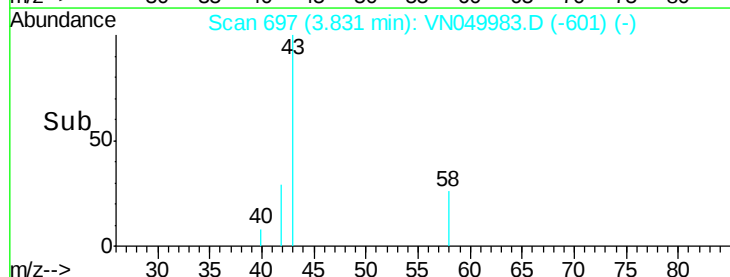
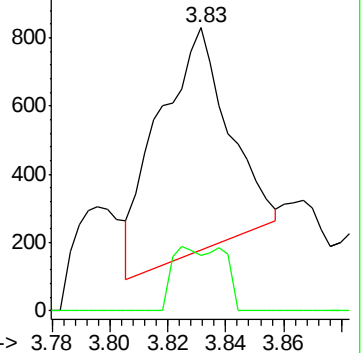
43 100

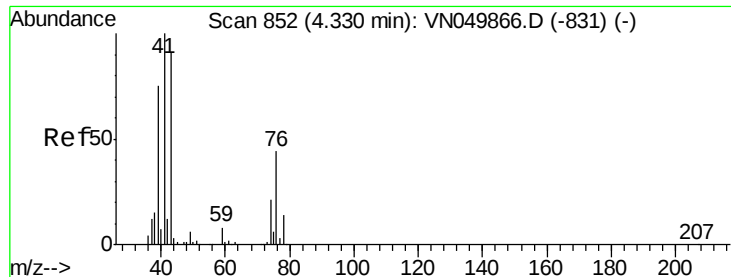
58 28.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

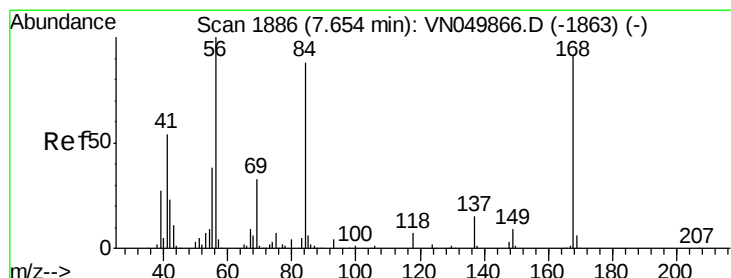
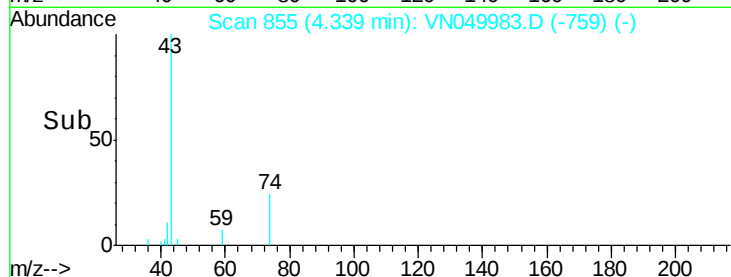
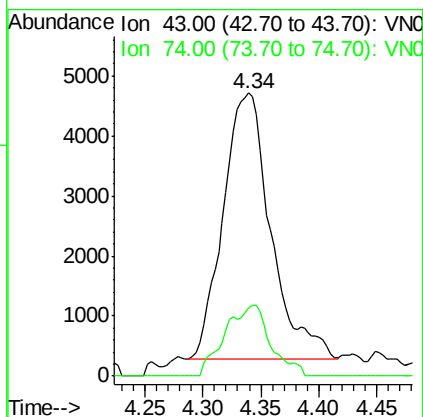
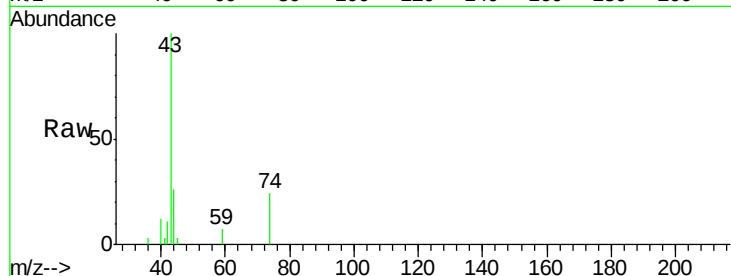




#18
Methvl Acetate
Concen: 1.25 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

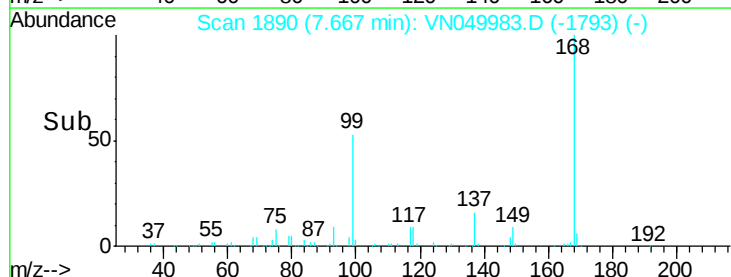
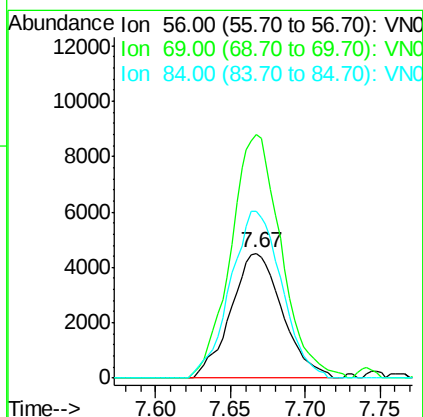
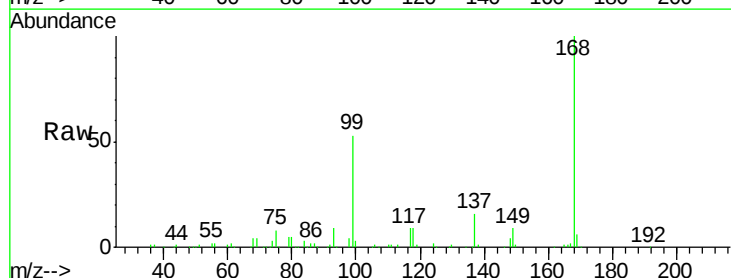
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL02

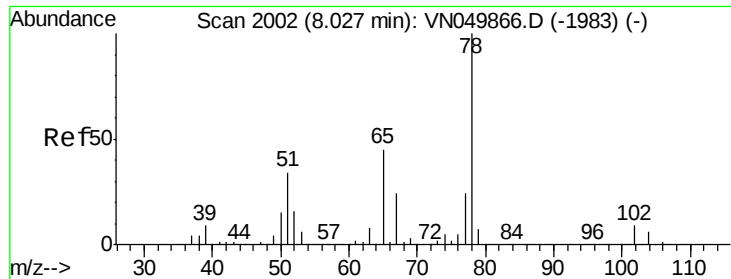
Tot Ion: 43 Resp: 12608
Ion Ratio Lower Upper
43 100
74 25.5 19.8 29.8



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

Tgt Ion: 56 Resp: 10806
Ion Ratio Lower Upper
56 100
69 195.5 26.6 40.0#
84 133.7 69.0 103.6#

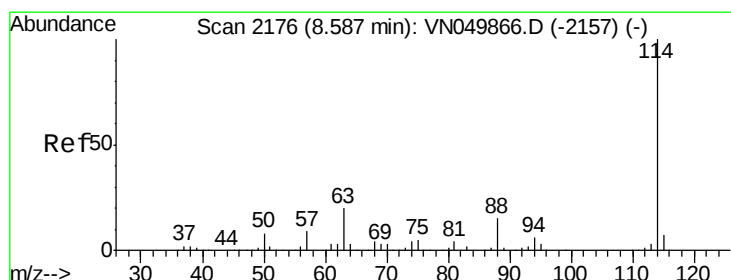
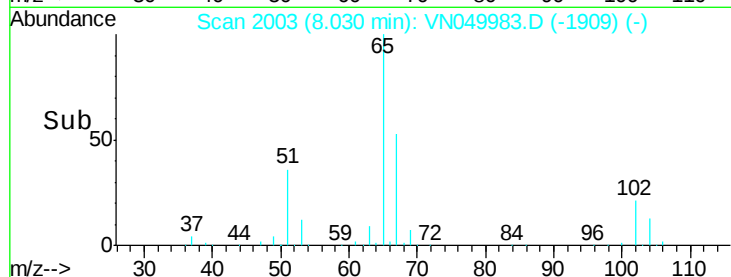
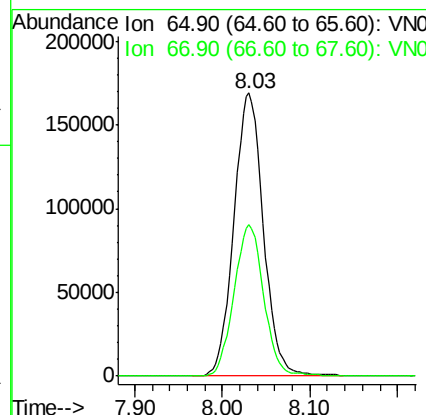
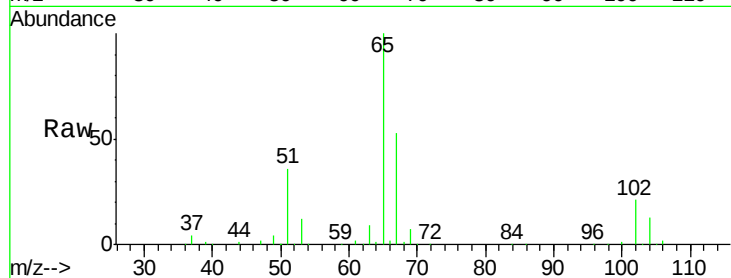




#33
 1,2-Dichloroethane-d4
 Concen: 52.37 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049983.D
 Acq: 21 Jul 2018 2:13

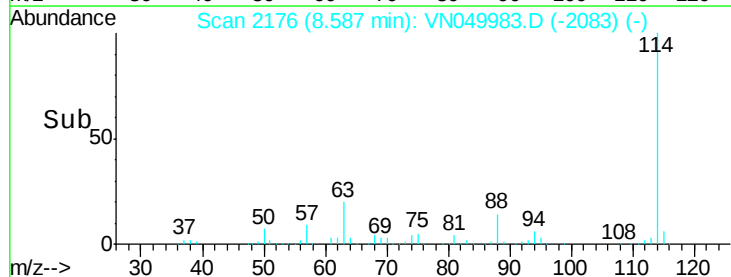
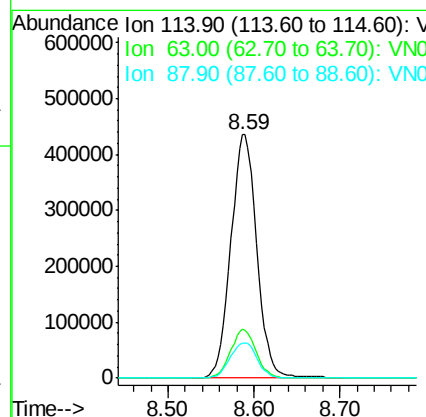
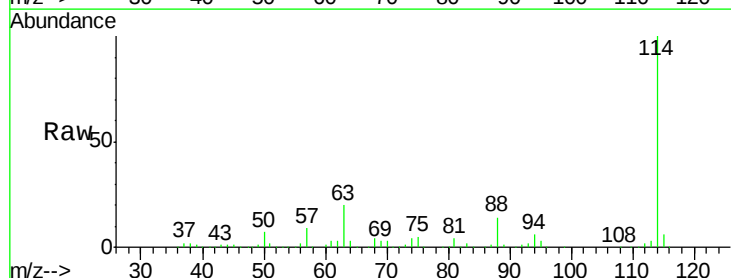
Instrument :
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 ClientSampleId :
 VN0720WBL02

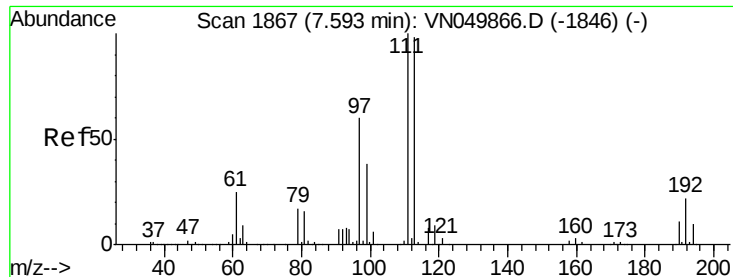
Tot Ion: 65 Resp: 395199
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049983.D
 Acq: 21 Jul 2018 2:13

Tgt Ion: 114 Resp: 913709
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 39.8
 88 14.3 0.0 30.6

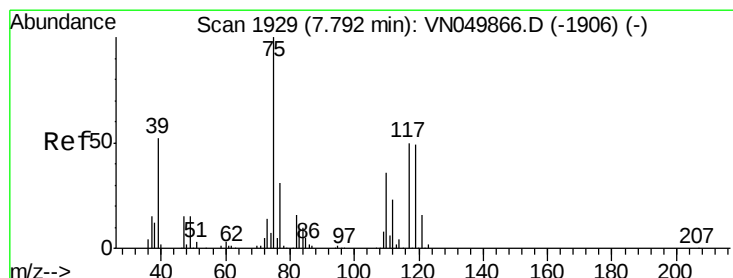
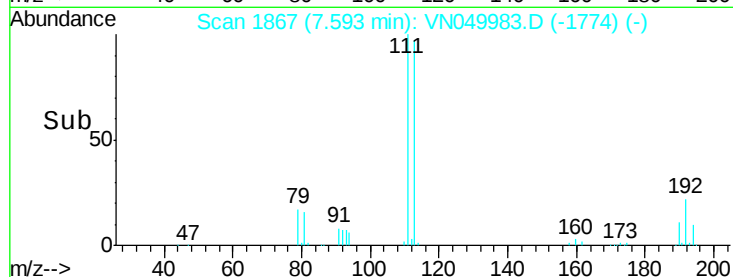
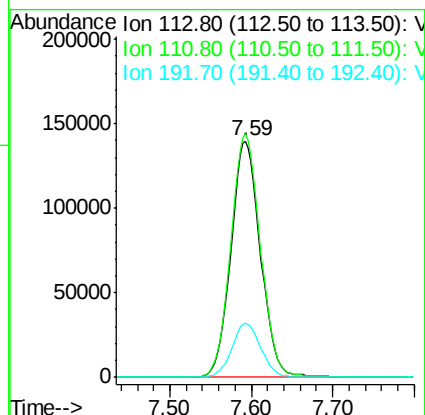
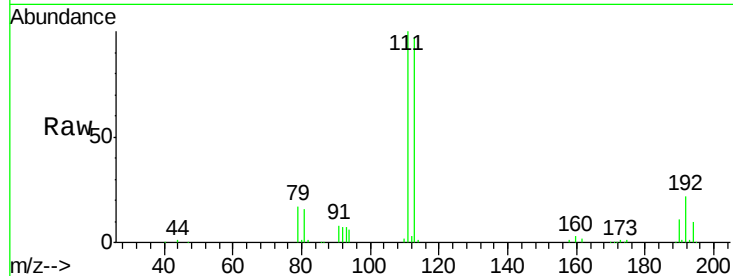




#35
Dibromofluoromethane
Concen: 45.96 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

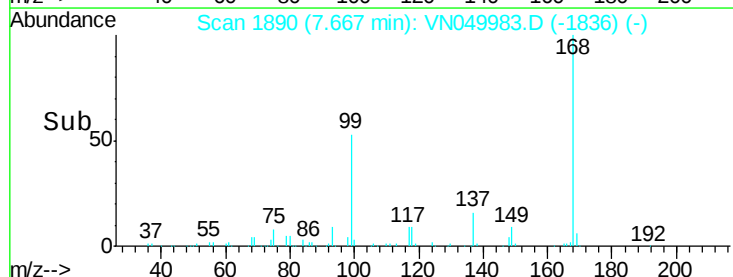
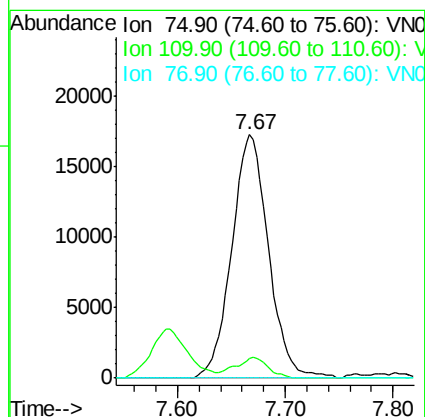
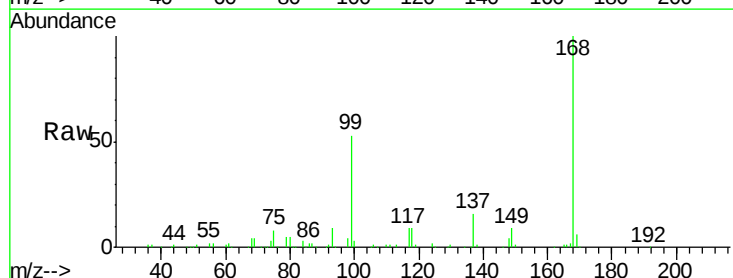
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ClientSampleId :
VN0720WBL02

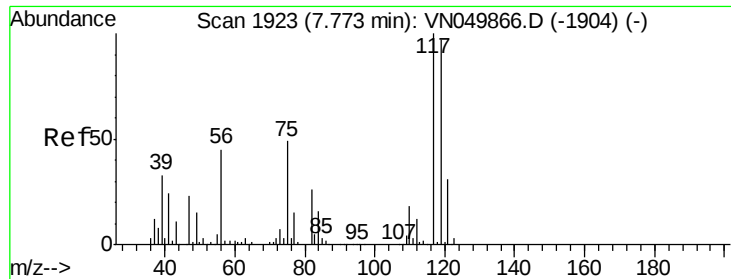
Tot Ion:113 Resp: 352541
Ion Ratio Lower Upper
113 100
111 103.9 81.8 122.8
192 22.5 17.8 26.6



#36
1,1-Dichloropropene
Concen: 4.03 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

Tgt Ion: 75 Resp: 40960
Ion Ratio Lower Upper
75 100
110 7.8 18.1 54.4#
77 0.0 24.9 37.3#

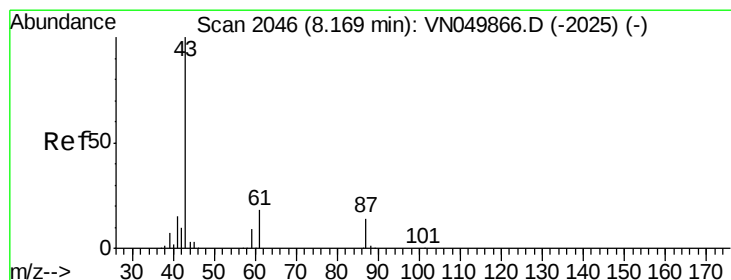
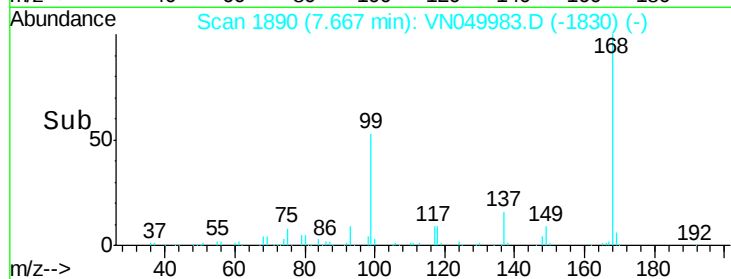
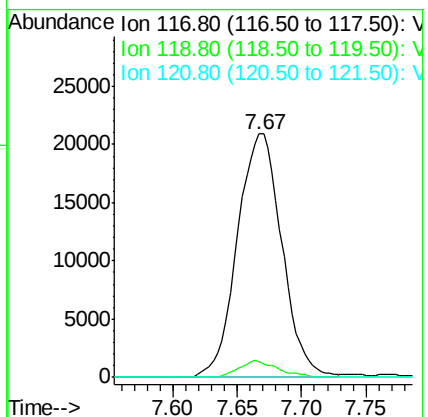
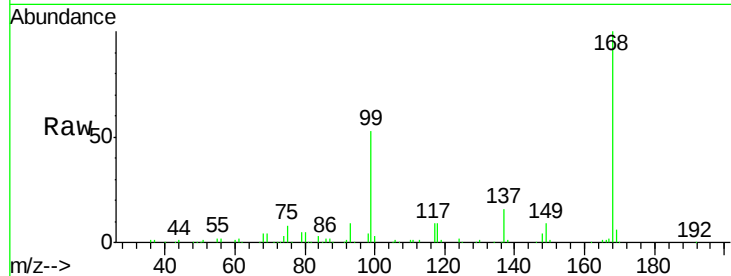




#38
Carbon Tetrachloride
Concen: 4.61 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

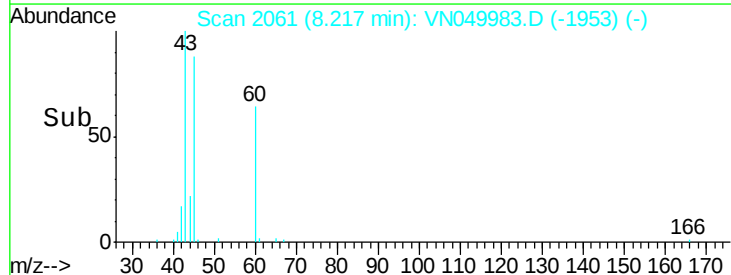
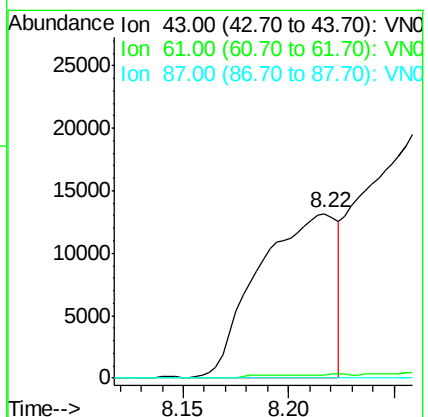
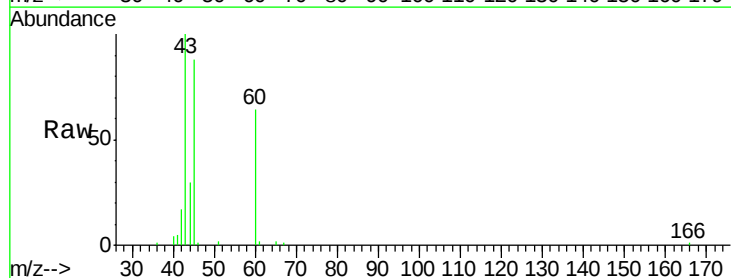
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ClientSampled :
VN0720WBL02

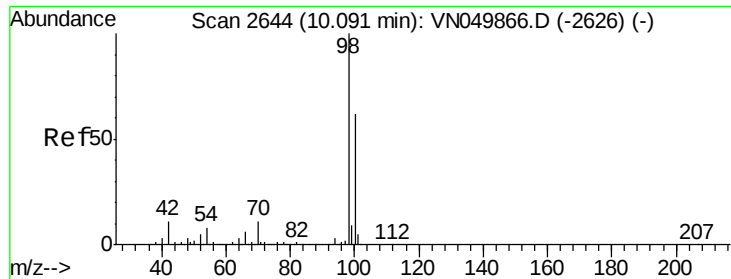
Tot Ion:117 Resp: 50205
Ion Ratio Lower Upper
117 100
119 6.3 77.2 115.8#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 2.79 ug/l
RT: 8.22 min Scan# 2061
Delta R.T. 0.05 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

Tgt Ion: 43 Resp: 34053
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 10.0 15.0#

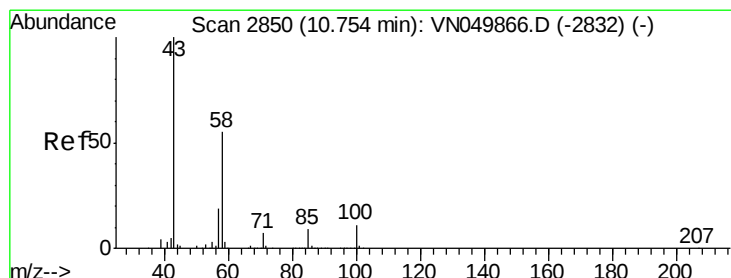
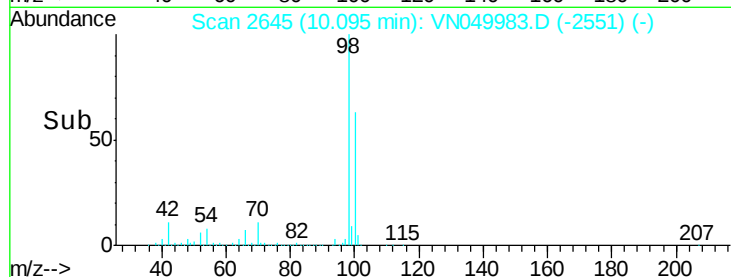
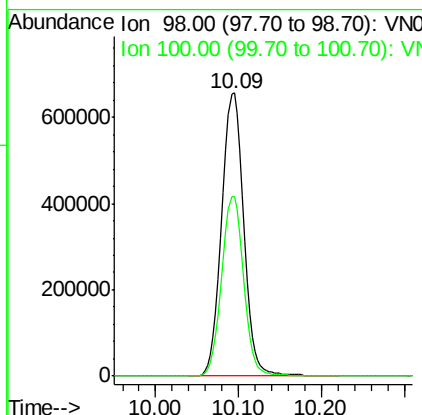
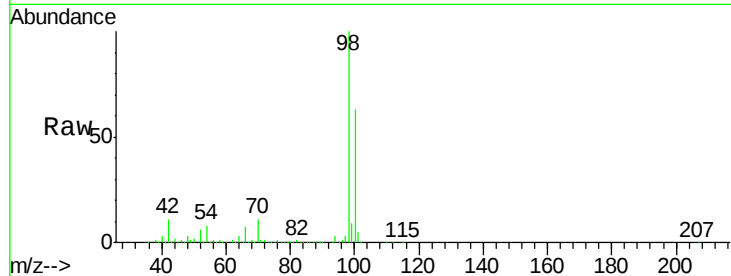




#50
Toluene-d8
Concen: 43.51 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

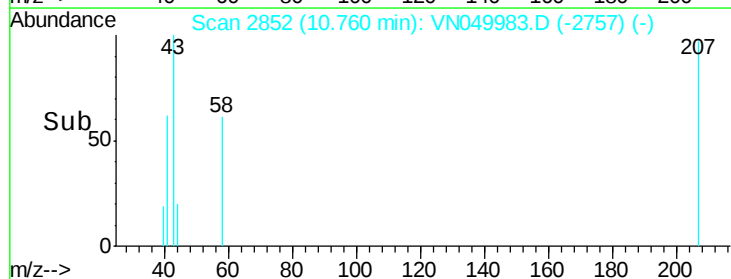
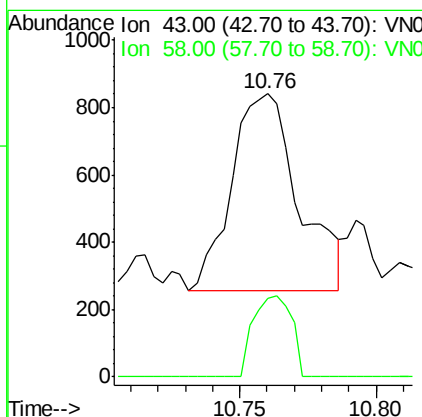
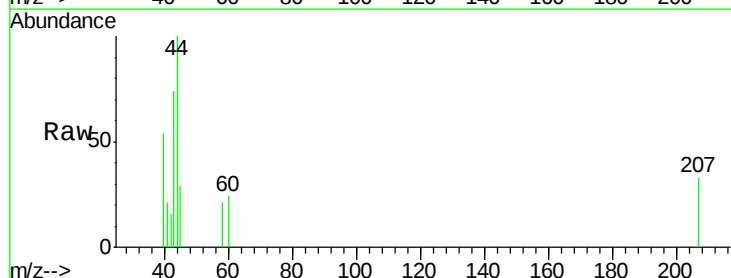
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL02

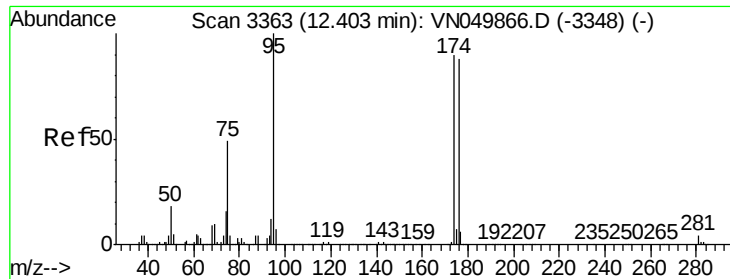
Tot Ion: 98 Resp: 1216127
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#59
2-Hexanone
Concen: 0.22 ug/l
RT: 10.76 min Scan# 2852
Delta R.T. 0.01 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

Tgt Ion: 43 Resp: 994
Ion Ratio Lower Upper
43 100
58 23.2 27.8 83.4#

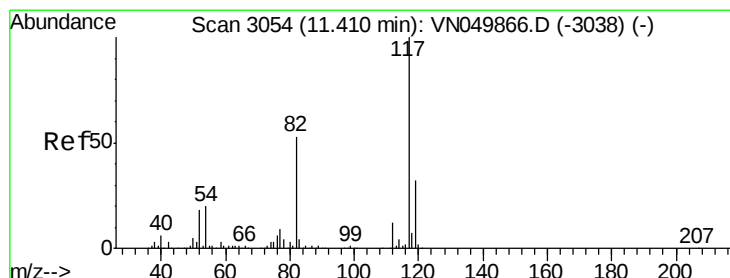
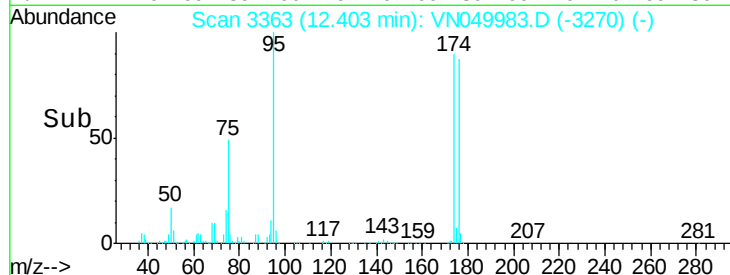
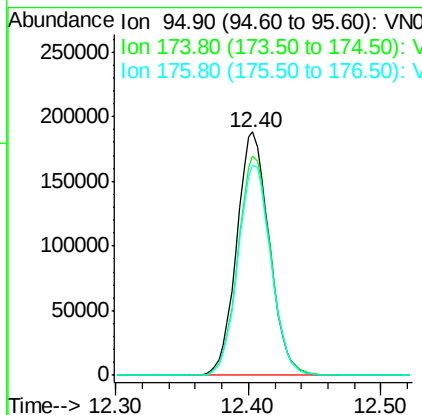
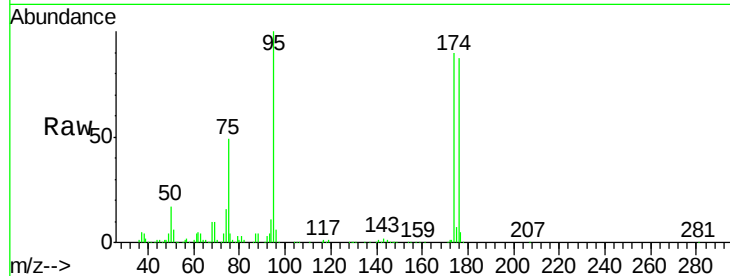




#62
4-Bromofluorobenzene
Concen: 33.35 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

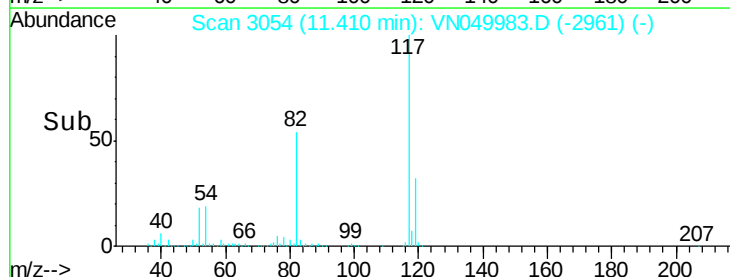
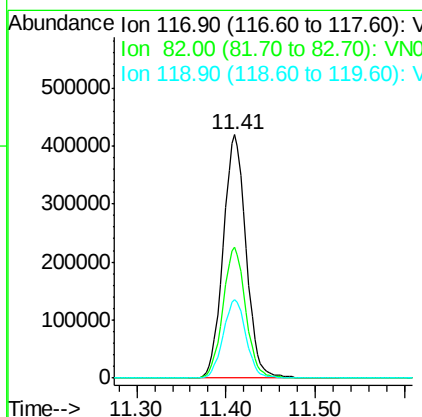
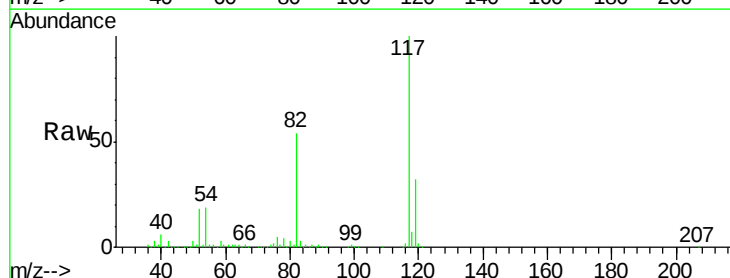
Instrument :
MSVOA_N
ClientSampleId :
VN0720WBL02

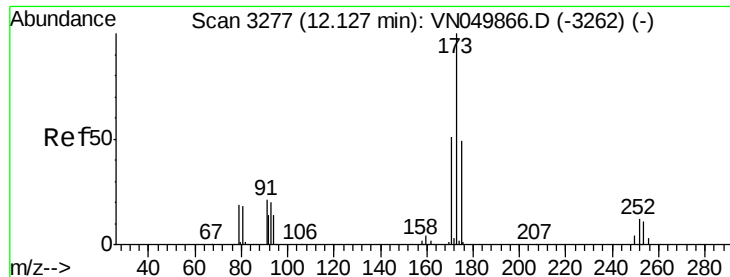
Tot Ion: 95 Resp: 320975
Ion Ratio Lower Upper
95 100
174 91.1 0.0 179.6
176 87.3 0.0 174.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049983.D
Acq: 21 Jul 2018 2:13

Tgt Ion: 117 Resp: 742394
Ion Ratio Lower Upper
117 100
82 53.8 41.9 62.9
119 32.4 25.4 38.2





#71

Bromoform

Concen: 0.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049983.D

Acq: 21 Jul 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

VN0720WBL02

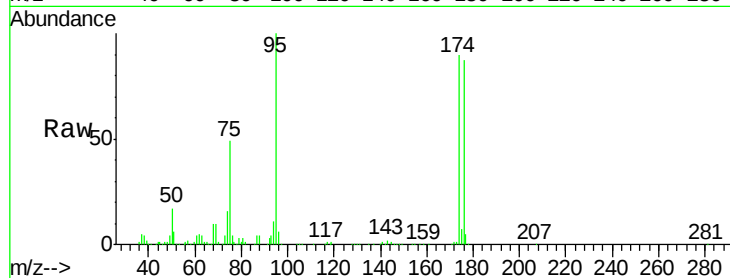
Tot Ion:173 Resp: 3073

Ion Ratio Lower Upper

173 100

175 572.1 24.6 73.8#

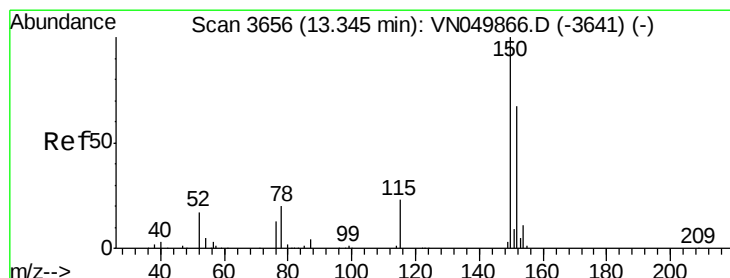
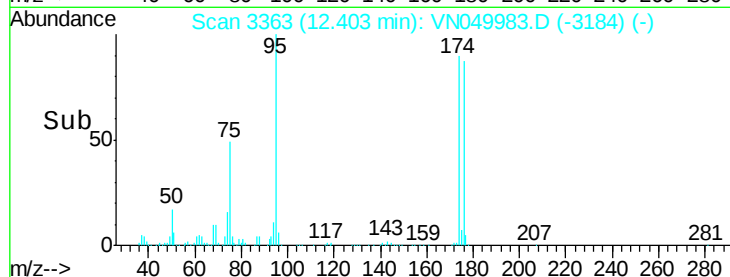
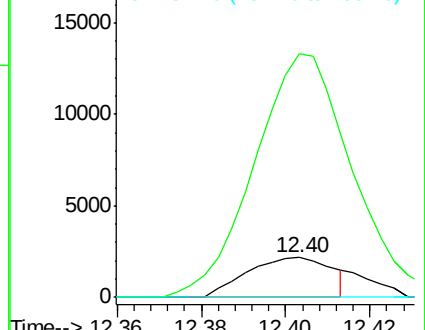
254 0.0 0.2 0.2#



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: VN049983.D

Acq: 21 Jul 2018 2:13

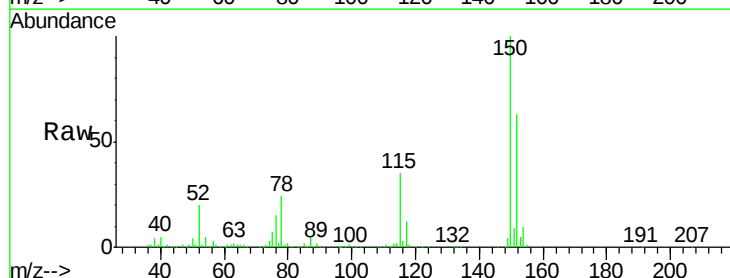
Tgt Ion:152 Resp: 265607

Ion Ratio Lower Upper

152 100

115 56.6 28.1 84.2

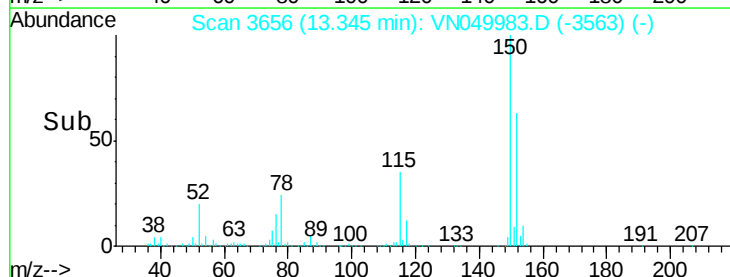
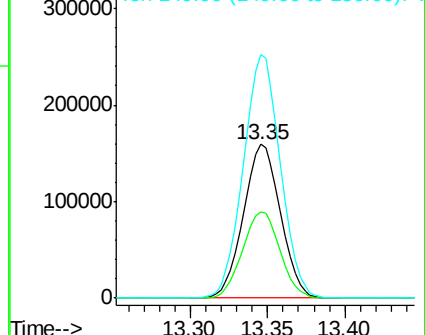
150 158.0 0.0 347.6

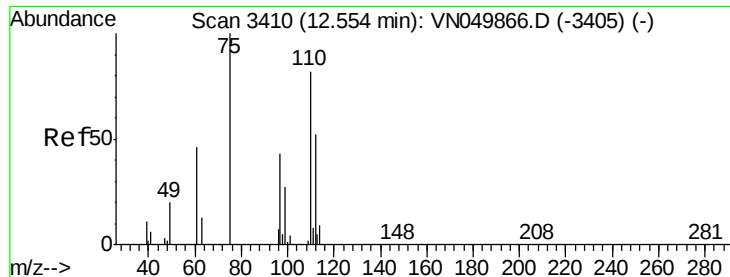


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 31.51 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049983.D

Acq: 21 Jul 2018 2:13

Instrument :

MSVOA_N

ClientSampleId :

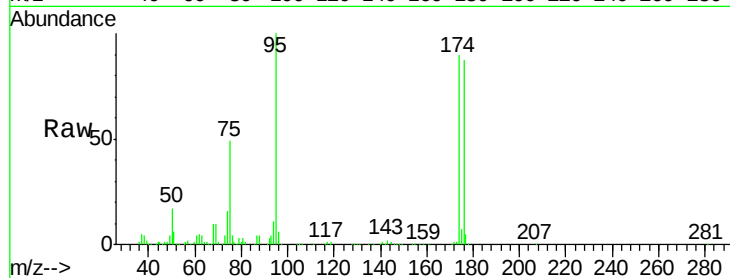
VN0720WBL02

Tot Ion: 75 Resp: 156989

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

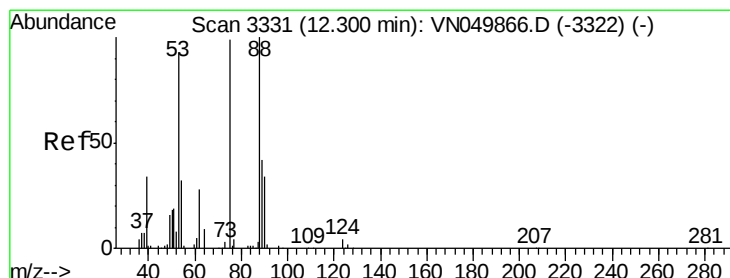
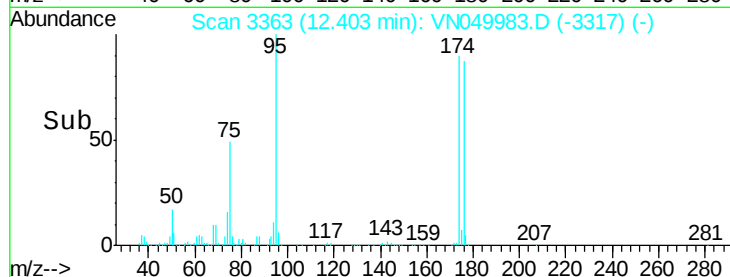
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 98.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049983.D

Acq: 21 Jul 2018 2:13

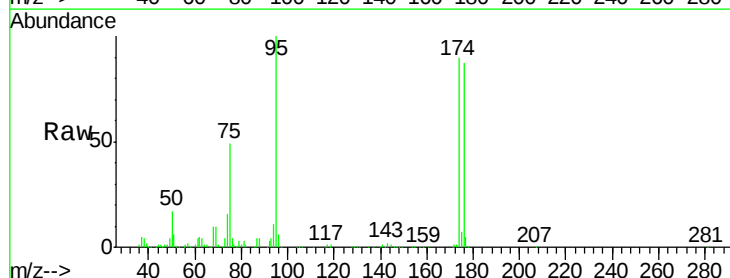
Tgt Ion: 75 Resp: 156989

Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 35.9 53.9#



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

120000

100000

80000

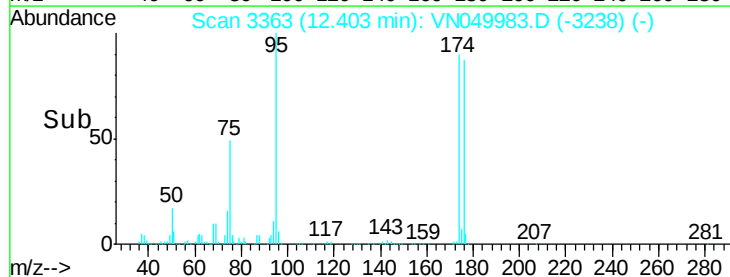
60000

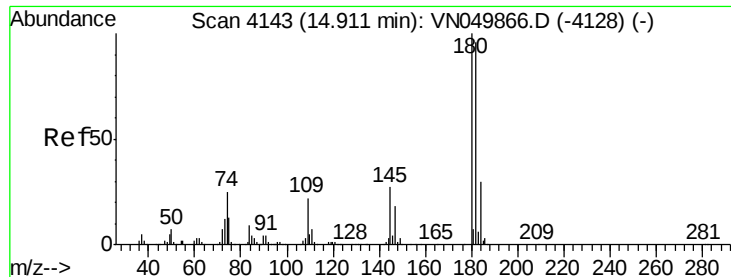
40000

20000

0

Time-->

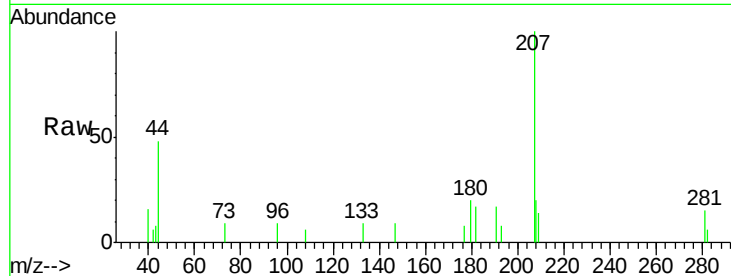




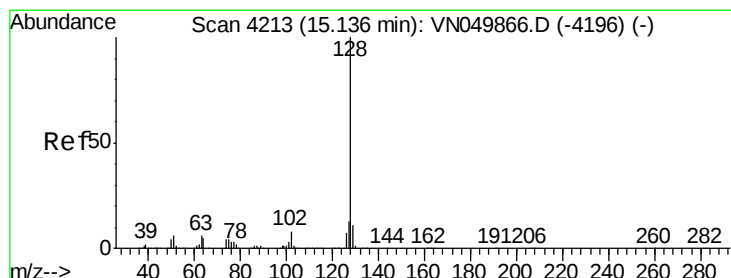
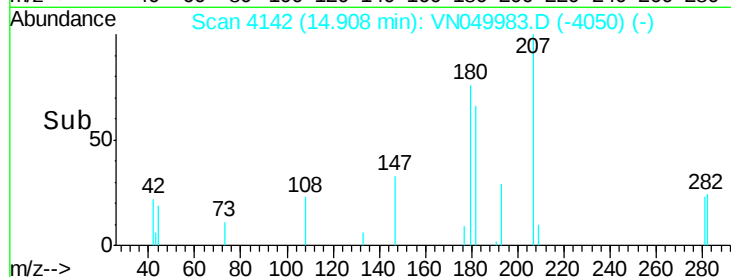
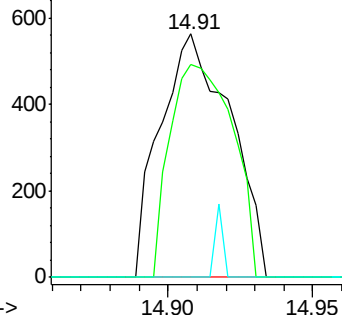
#93
 1,2,4-Trichlorobenzene
 Concen: 3.64 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.00 min
 Lab File: VN049983.D
 Acq: 21 Jul 2018 2:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0720WBL02

Tot Ion:180 Resp: 949
 Ion Ratio Lower Upper
 180 100
 182 78.2 47.3 141.9
 145 3.5 14.4 43.0#

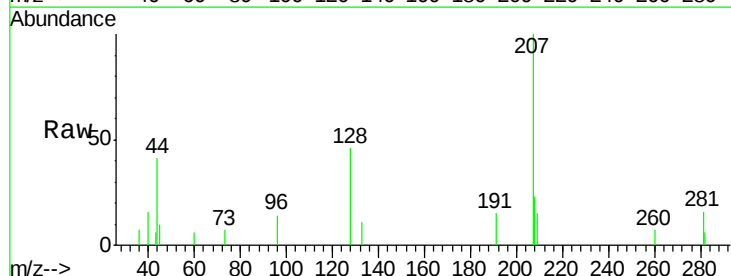


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 4.65 ug/l
 RT: 15.14 min Scan# 4215
 Delta R.T. 0.01 min
 Lab File: VN049983.D
 Acq: 21 Jul 2018 2:13

Tgt Ion:128 Resp: 2154
 Ion Ratio Lower Upper
 128 100
 127 4.3 10.4 15.6#
 129 6.8 8.6 13.0#



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

