

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100918\
 Data File : VN051754.D
 Acq On : 9 Oct 2018 17:43
 Operator : MD\SY
 Sample : VN1009MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009MBL01

Quant Time: Oct 10 03:31:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 09 06:03:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	735418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1045130	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	907881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	341543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	429682	44.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.46%	
35) Dibromofluoromethane	7.59	113	388886	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
50) Toluene-d8	10.09	98	1476739	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	411930	38.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.20%	

Target Compounds

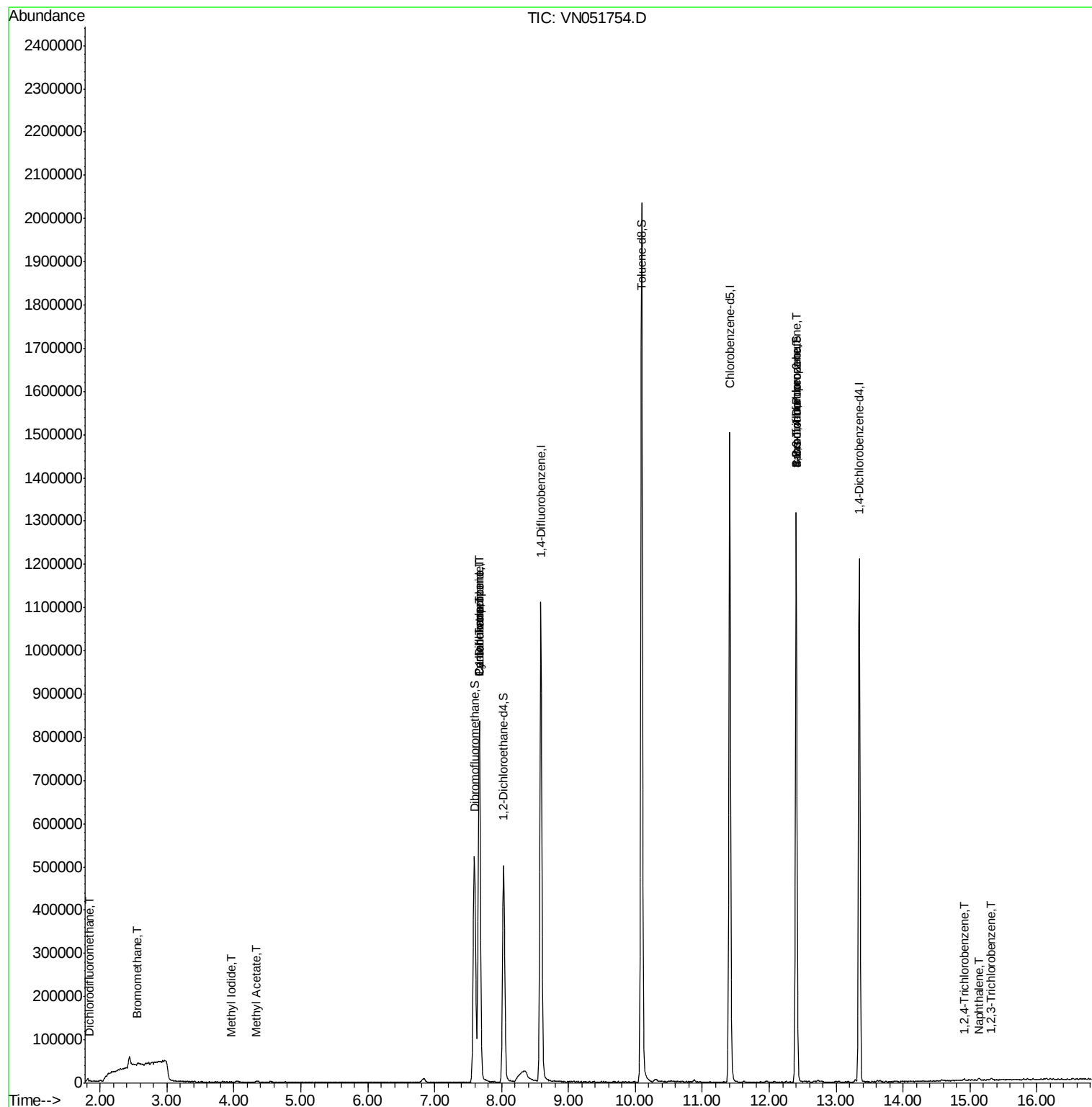
					Qvalue	
2) Dichlorodifluoromethane	1.85	85	305	1.182	ug/l #	42
5) Bromomethane	2.57	94	2083	0.205	ug/l	81
7) Trichlorofluoromethane	3.01	101	496	Below Cal	#	60
10) Methyl Iodide	3.96	142	100	2.348	ug/l #	41
13) Acrolein	3.64	56	30	Below Cal	#	1
16) Acetone	3.83	43	753	Below Cal	#	44
18) Methyl Acetate	4.33	43	1751	0.327	ug/l #	78
31) Cyclohexane	7.67	56	14600	1.107	ug/l #	29
36) 1,1-Dichloropropene	7.66	75	49114	4.496	ug/l #	50
38) Carbon Tetrachloride	7.67	117	65172	4.972	ug/l #	16
41) Methacrylonitrile	7.17	41	422	Below Cal	#	22
71) Bromoform	12.40	173	3391	0.506	ug/l #	1
74) N-amyl acetate	12.07	43	912	Below Cal	#	41
75) 1,1,2,2-Tetrachloroethane	12.50	83	112	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	220931	52.244	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	220931	118.906	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.92	180	1441	0.263	ug/l #	88
95) Naphthalene	15.14	128	4371	0.369	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1804	0.334	ug/l #	65

(#) = 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# 1833

Delta R.T. -0.00 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

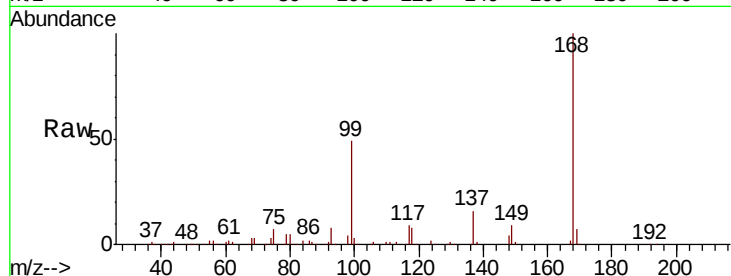
VN1009MBL01

Tot Ion:168 Resp: 735418

Ion Ratio Lower Upper

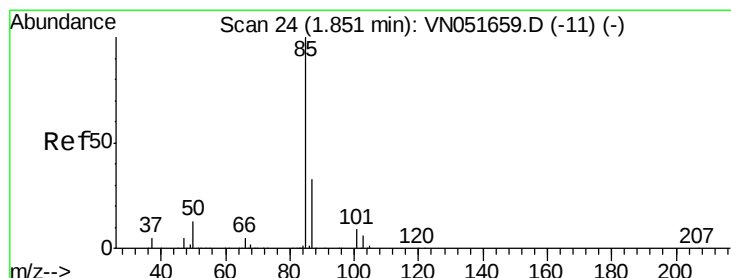
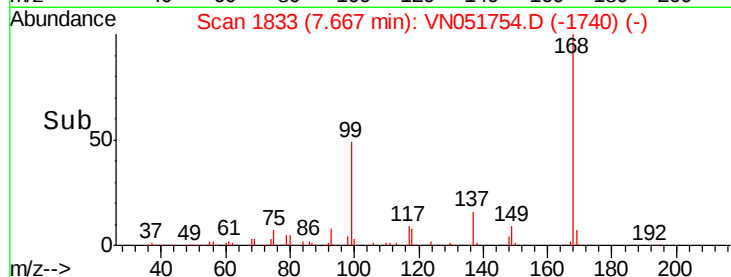
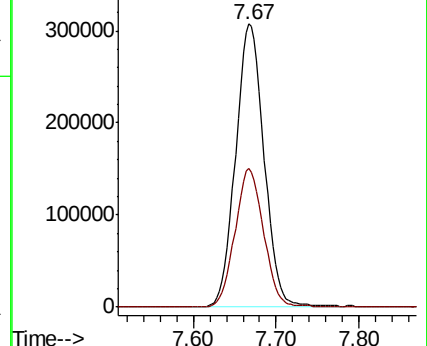
168 100

99 48.9 40.4 60.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 1.182 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN051754.D

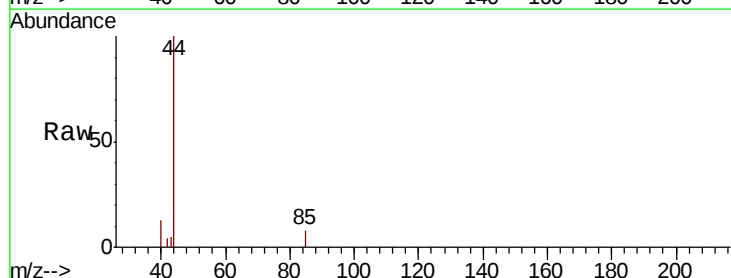
Acq: 9 Oct 2018 17:43

Tgt Ion: 85 Resp: 305

Ion Ratio Lower Upper

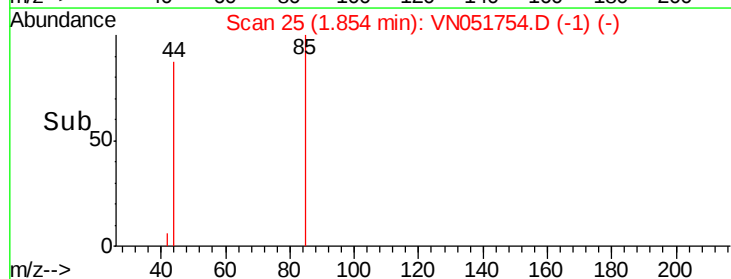
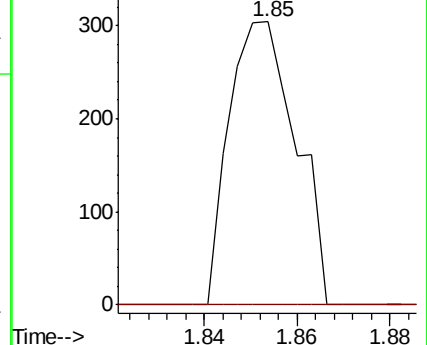
85 100

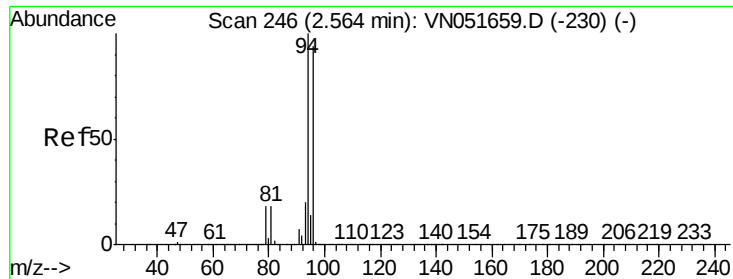
87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#5

Bromomethane

Concen: 0.205 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

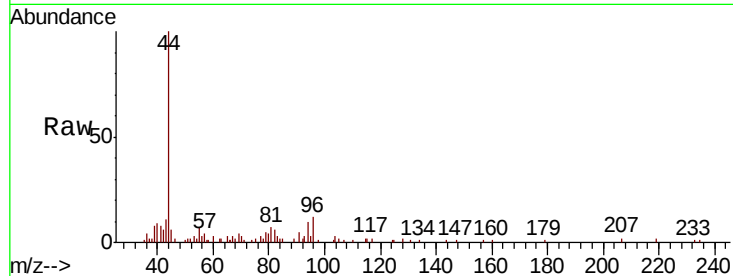
VN1009MBL01

Tot Ion: 94 Resp: 2083

Ion Ratio Lower Upper

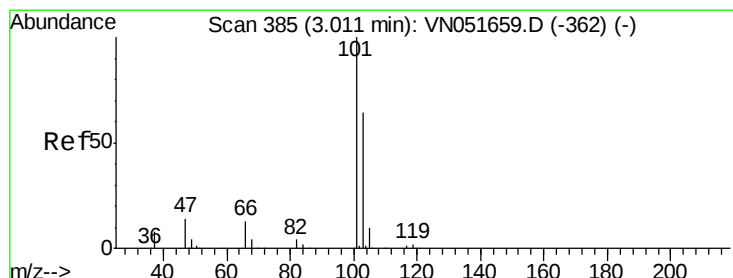
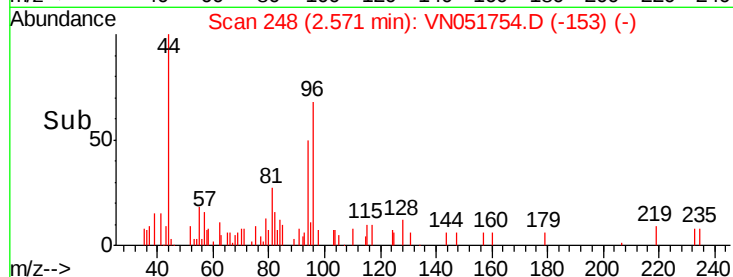
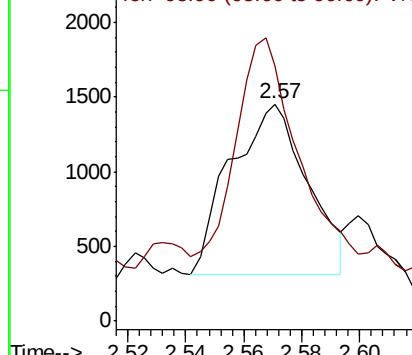
94 100

96 112.8 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VN051659.D (-230) (-)

Ion 95.90 (95.60 to 96.60): VN051659.D (-230) (-)



#7

Trichlorofluoromethane

Concen: Below Cal

RT: 3.01 min Scan# 385

Delta R.T. 0.00 min

Lab File: VN051754.D

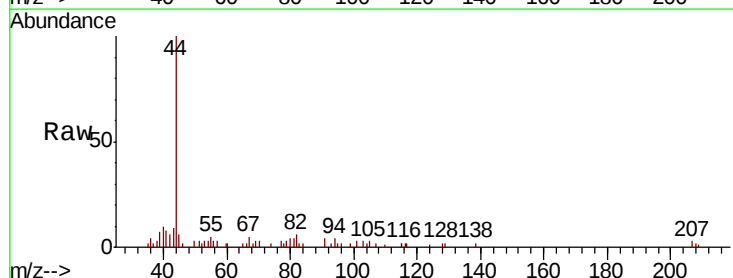
Acq: 9 Oct 2018 17:43

Tgt Ion: 101 Resp: 496

Ion Ratio Lower Upper

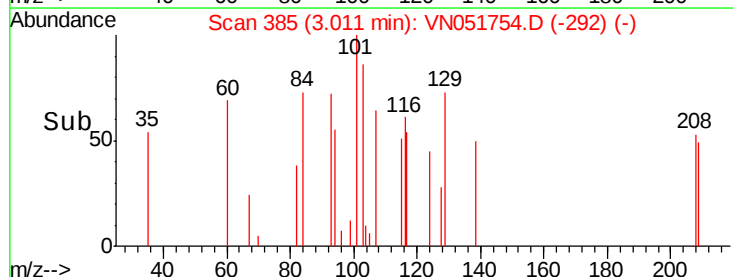
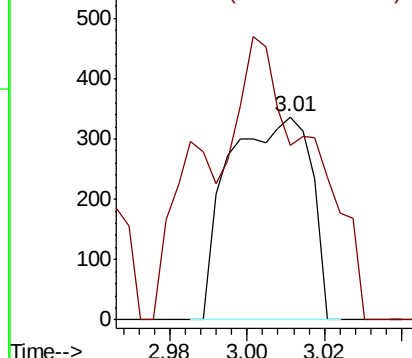
101 100

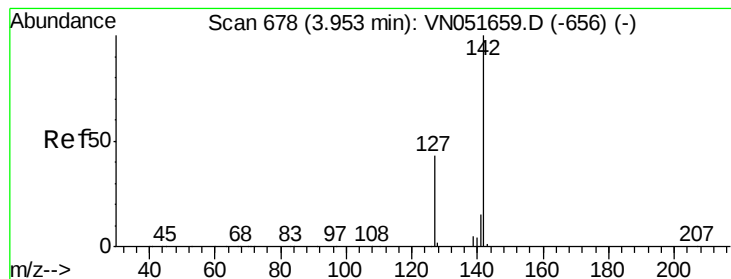
103 32.9 51.1 76.7#



Abundance Ion 100.90 (100.60 to 101.60): VN051659.D (-362) (-)

Ion 102.80 (102.50 to 103.50): VN051659.D (-362) (-)





#10

Methvl Iodide

Concen: 2.348 ug/l

RT: 3.96 min Scan# 680

Delta R.T. 0.01 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1009MBL01

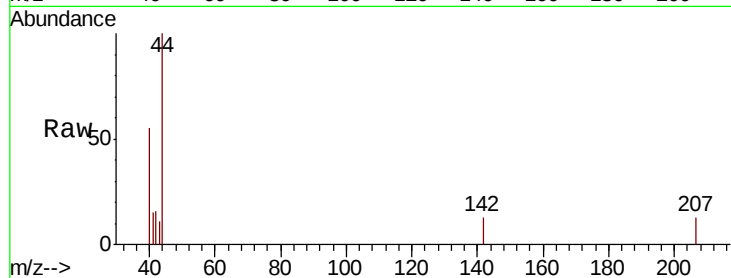
Tot Ion:142 Resp: 100

Ion Ratio Lower Upper

142 100

127 0.0 34.7 52.1#

141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

250

200

150

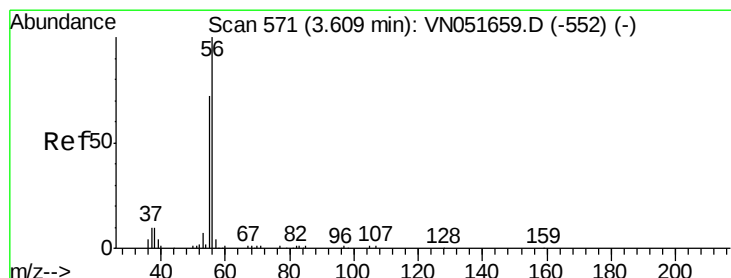
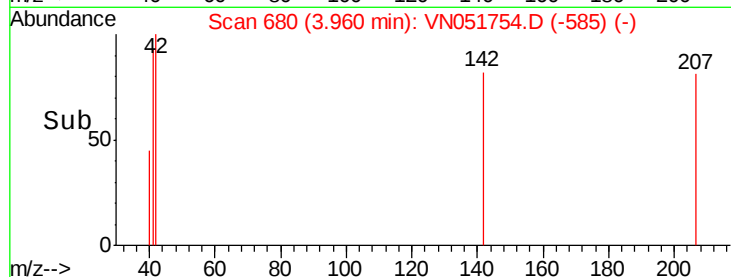
100

50

0

3.95 3.96 3.97

Time-->



#13

Acrolein

Concen: Below Cal

RT: 3.64 min Scan# 581

Delta R.T. 0.03 min

Lab File: VN051754.D

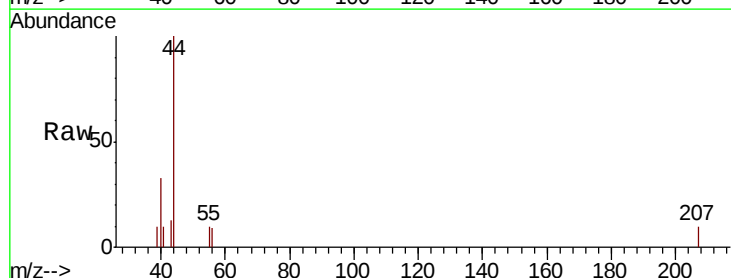
Acq: 9 Oct 2018 17:43

Tgt Ion: 56 Resp: 30

Ion Ratio Lower Upper

56 100

55 483.3 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): V

Ion 55.00 (54.70 to 55.70): V

250

200

150

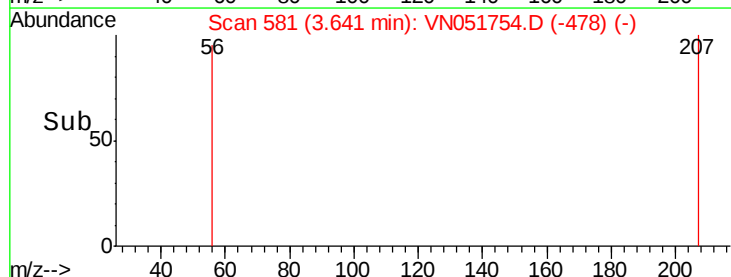
100

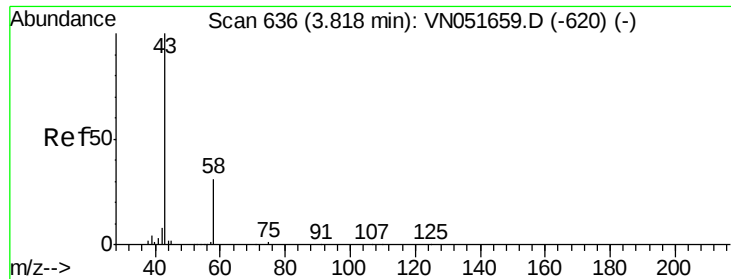
50

0

3.63 3.64 3.65

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

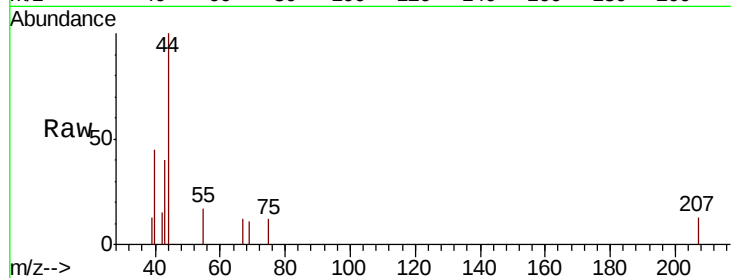
VN1009MBL01

Tot Ion: 43 Resp: 753

Ion Ratio Lower Upper

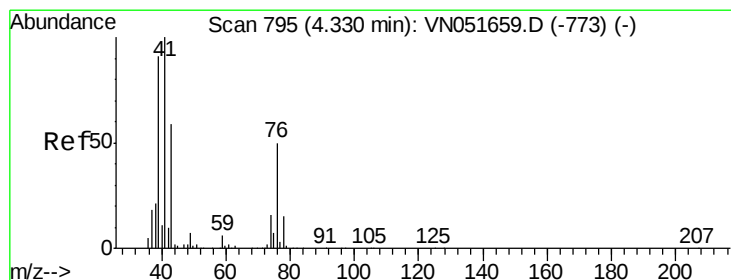
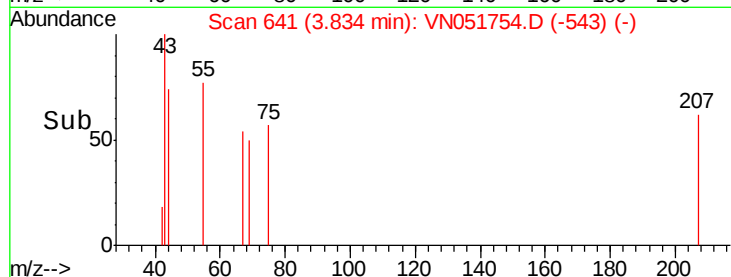
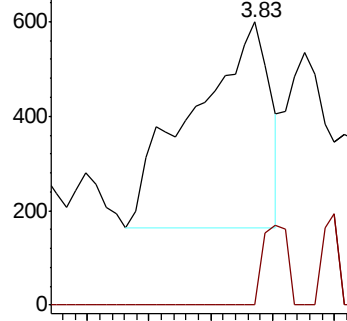
43 100

58 0.0 24.3 36.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 0.327 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN051754.D

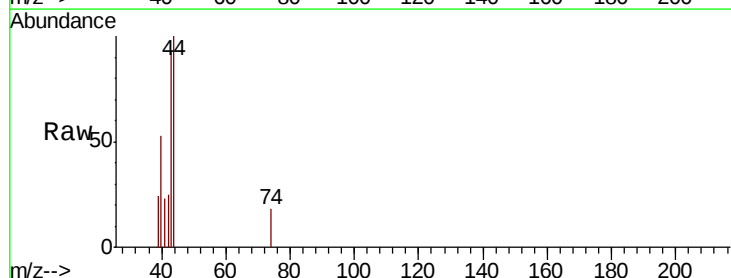
Acq: 9 Oct 2018 17:43

Tgt Ion: 43 Resp: 1751

Ion Ratio Lower Upper

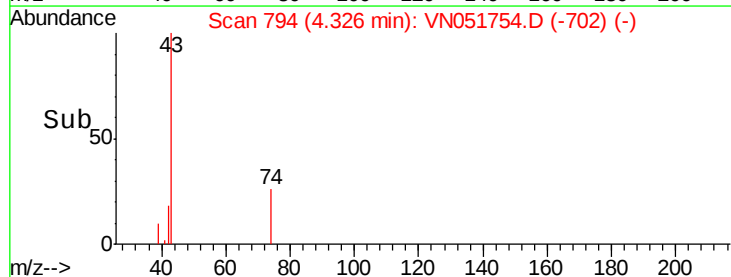
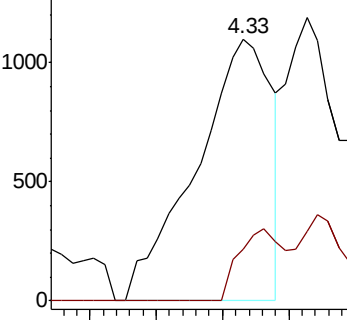
43 100

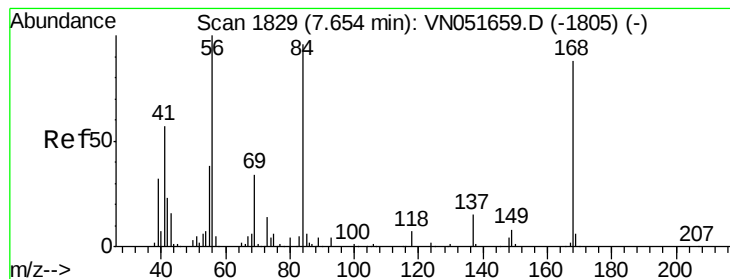
74 15.7 21.5 32.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#31

Cyclohexane

Concen: 1.107 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampled :

VN1009MBL01

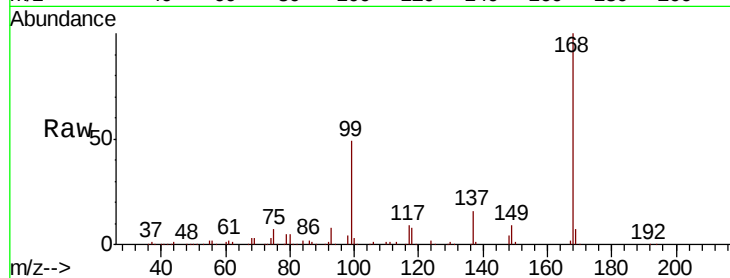
Tot Ion: 56 Resp: 14600

Ion Ratio Lower Upper

56 100

69 143.9 27.5 41.3#

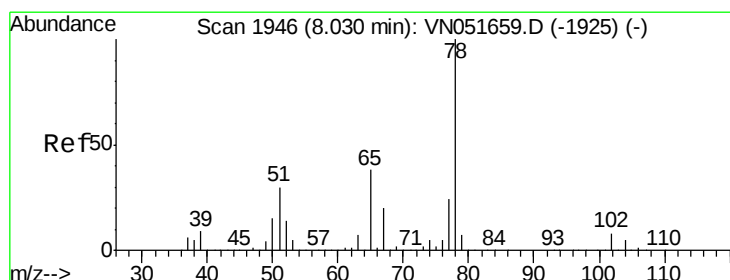
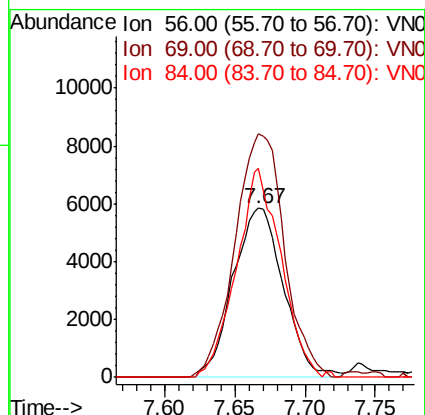
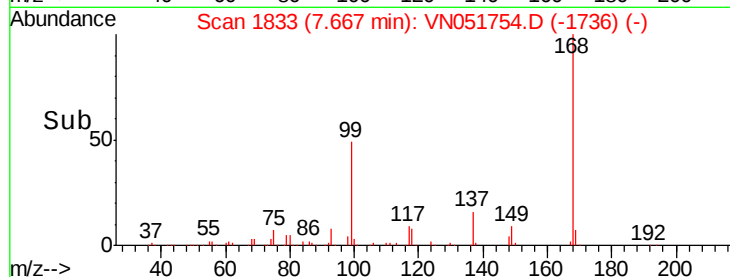
84 123.3 76.7 115.1#



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: Below ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051754.D

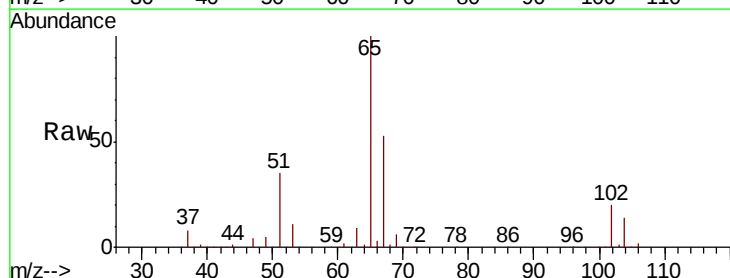
Acq: 9 Oct 2018 17:43

Tgt Ion: 65 Resp: 429682

Ion Ratio Lower Upper

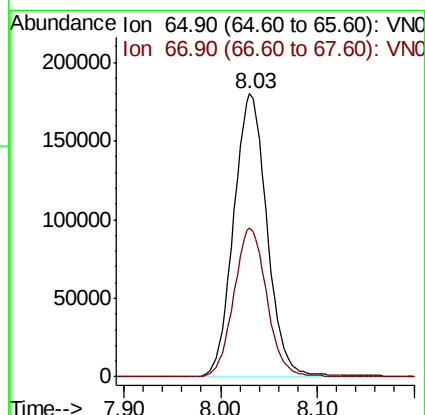
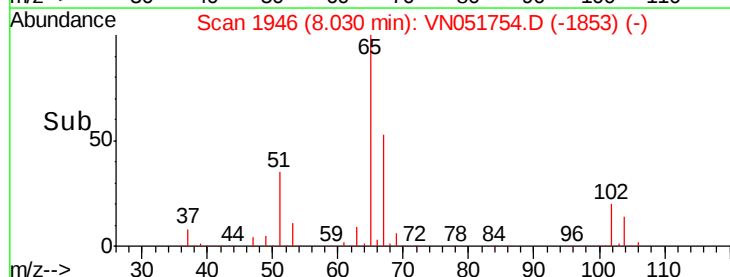
65 100

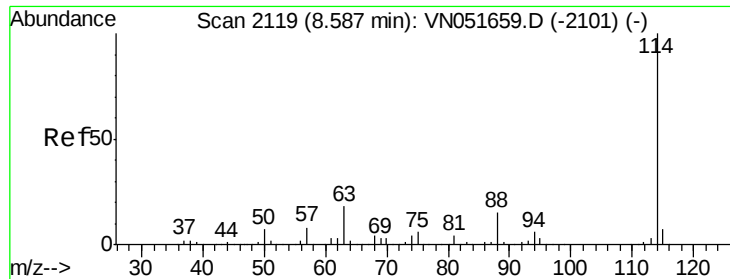
67 52.1 0.0 103.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

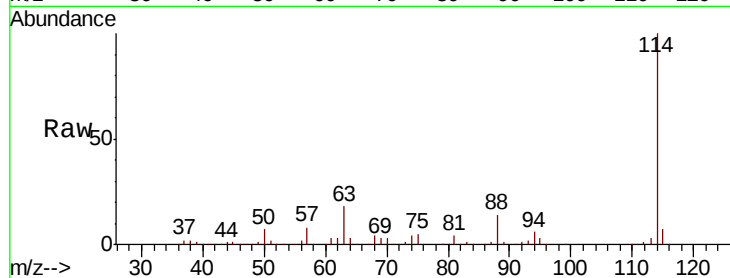




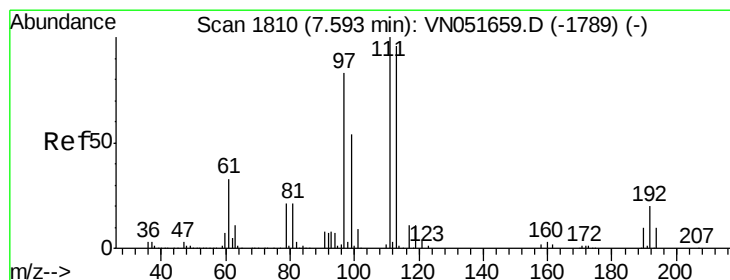
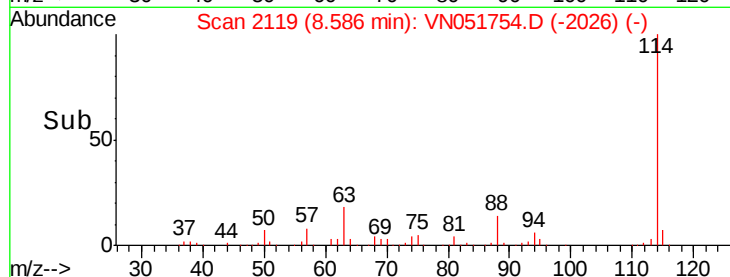
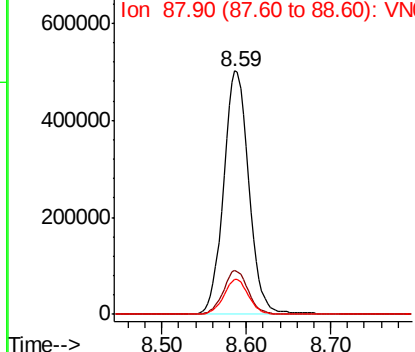
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051754.D
Acq: 9 Oct 2018 17:43

Instrument :
MSVOA_N
ClientSampleId :
VN1009MBL01

Tot Ion:114 Resp: 1045130
Ion Ratio Lower Upper
114 100
63 18.0 0.0 36.2
88 14.3 0.0 30.2

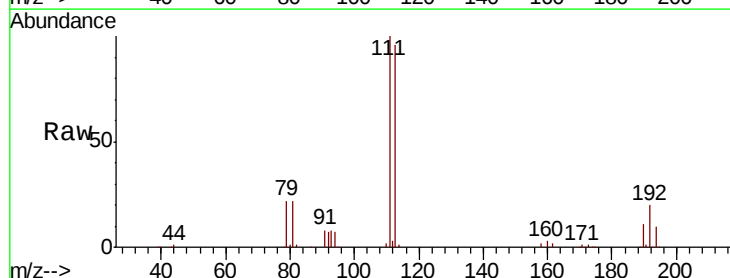


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

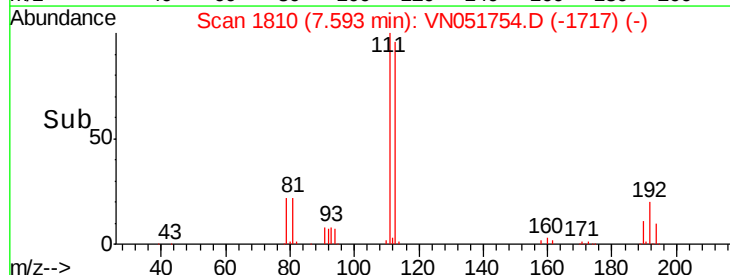
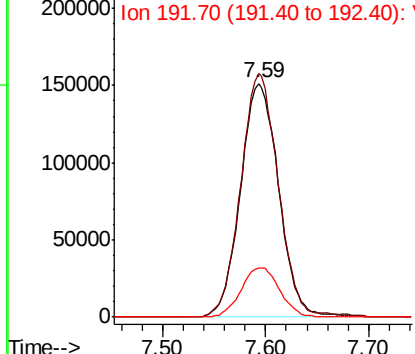


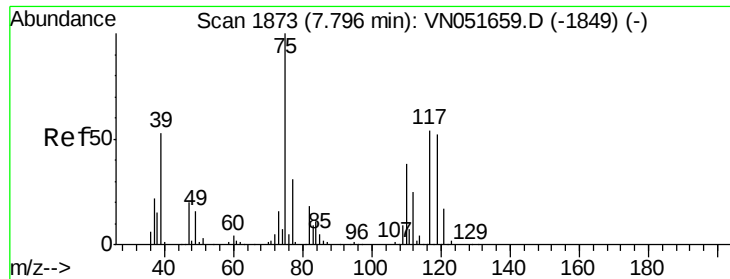
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VN051754.D
Acq: 9 Oct 2018 17:43

Tgt Ion:113 Resp: 388886
Ion Ratio Lower Upper
113 100
111 103.1 81.8 122.8
192 21.3 16.5 24.7



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

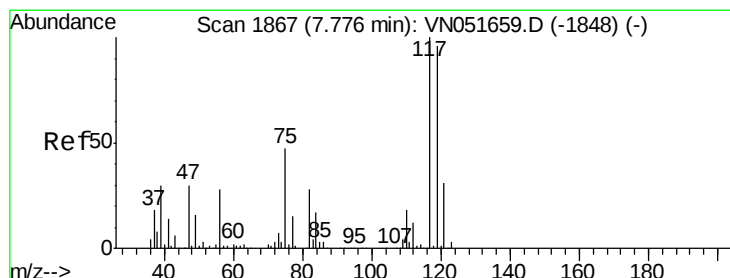
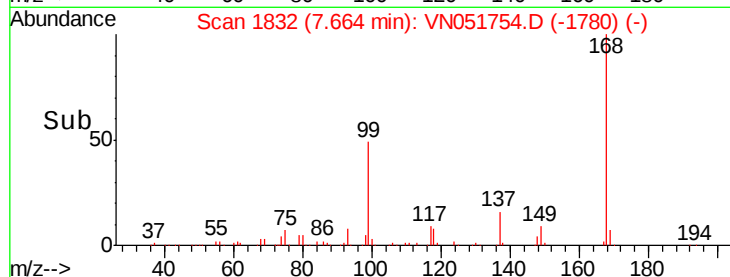
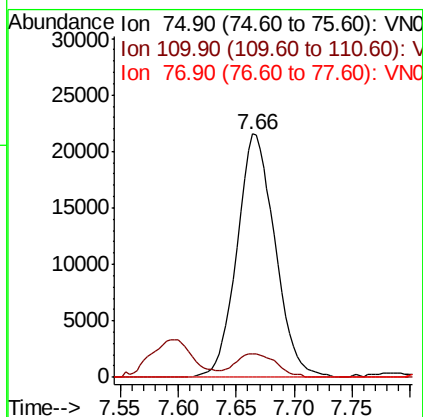
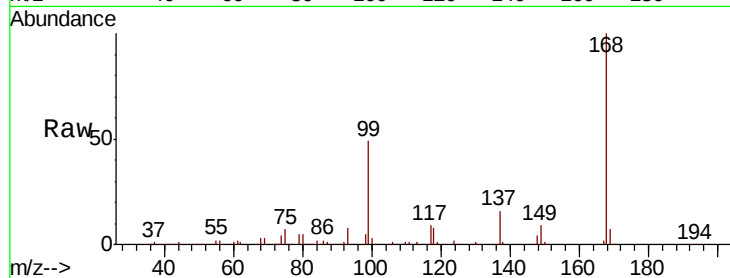




#36
 1,1-Dichloropropene
 Concen: 4.496 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051754.D
 Acq: 9 Oct 2018 17:43

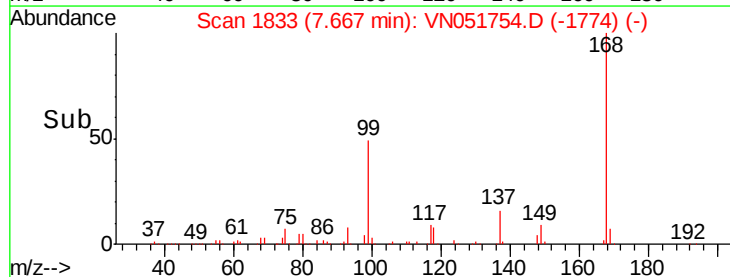
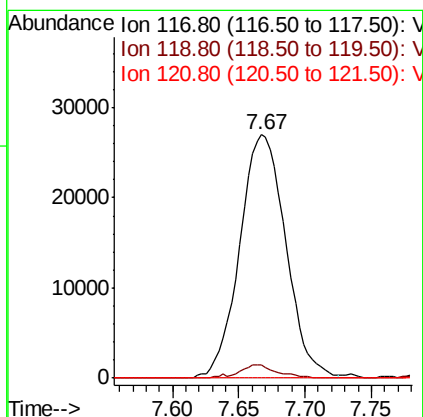
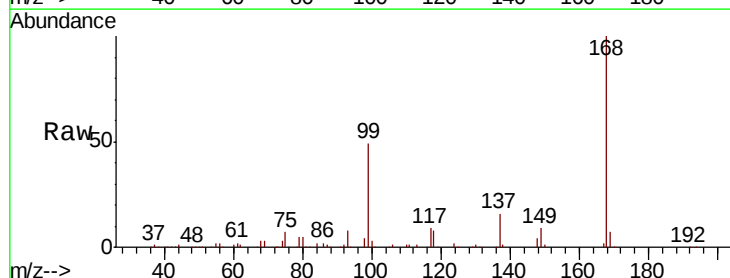
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009MBL01

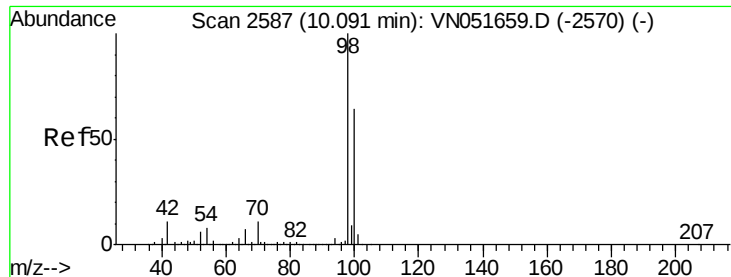
Tot Ion	75	Resp	49114
Ion Ratio	Lower	Upper	
75	100		
110	10.7	19.3	57.8#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 4.972 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051754.D
 Acq: 9 Oct 2018 17:43

Tgt Ion	117	Resp	65172
Ion Ratio	Lower	Upper	
117	100		
119	5.4	77.0	115.6#
121	0.0	25.0	37.6#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampled :

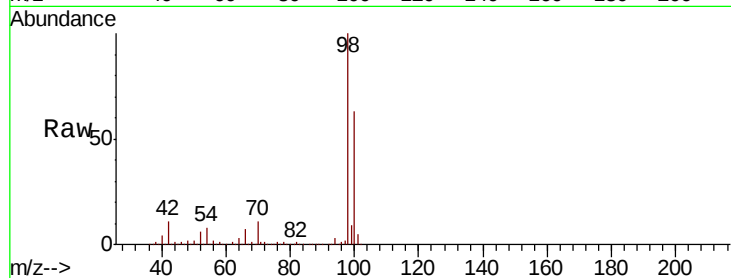
VN1009MBL01

Tot Ion: 98 Resp: 1476739

Ion Ratio Lower Upper

98 100

100 63.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN051659.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN051659.D (-2570) (-)

10.09

800000

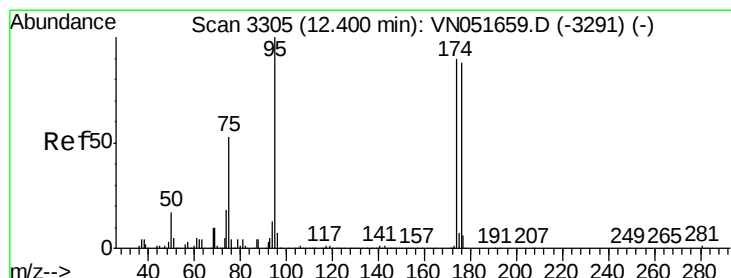
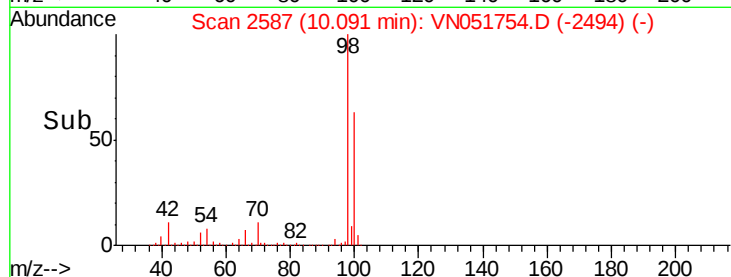
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

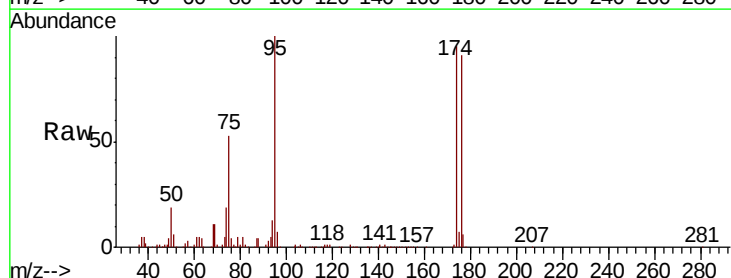
Tgt Ion: 95 Resp: 411930

Ion Ratio Lower Upper

95 100

174 96.7 0.0 182.8

176 93.1 0.0 176.4



Abundance Ion 94.90 (94.60 to 95.60): VN051659.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051659.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051659.D (-3291) (-)

12.40

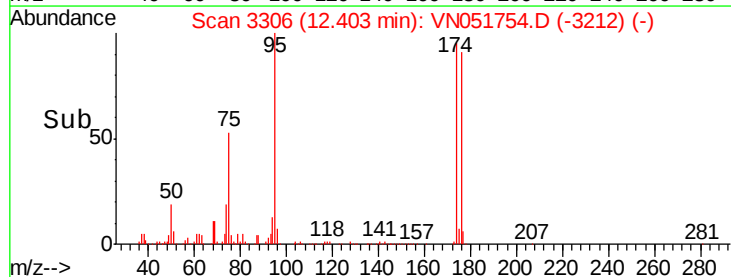
300000

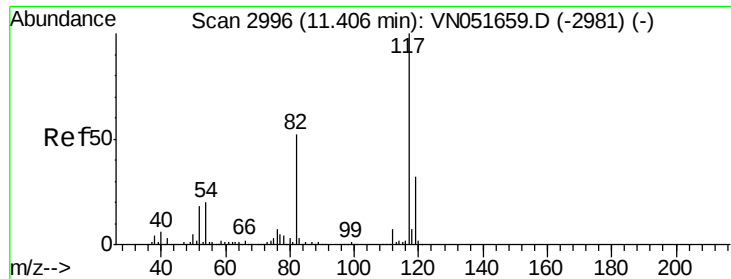
200000

100000

0

Time-->

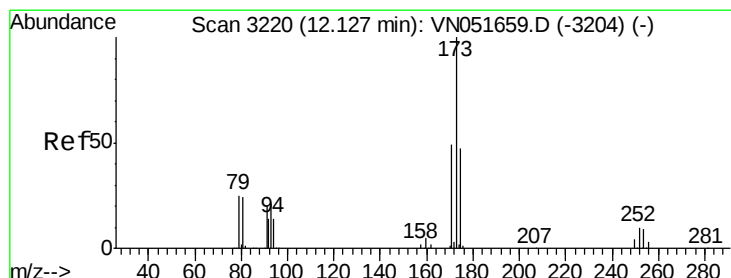
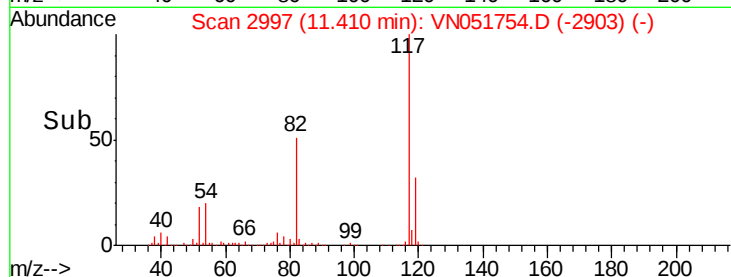
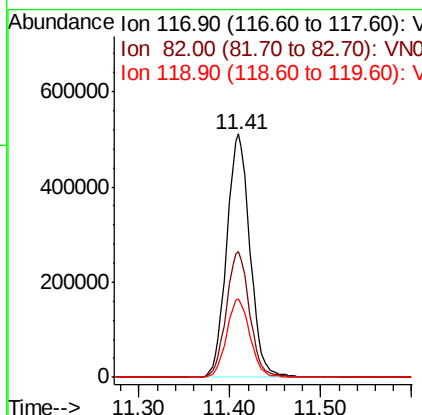
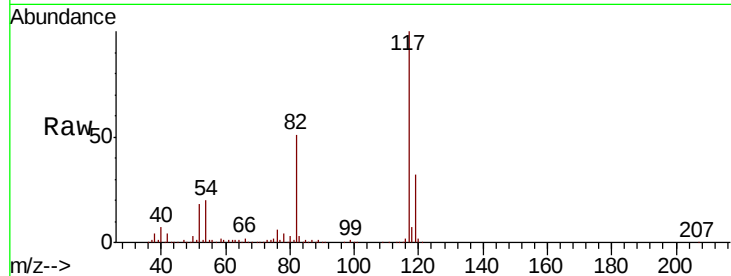




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051754.D
Acq: 9 Oct 2018 17:43

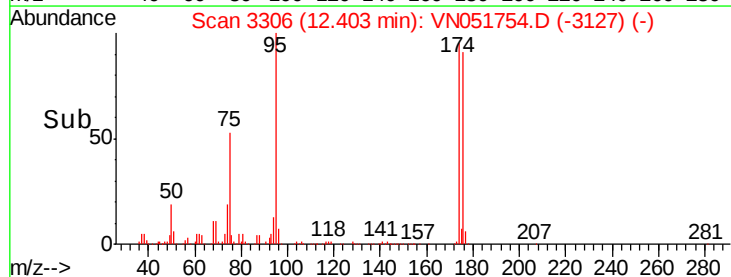
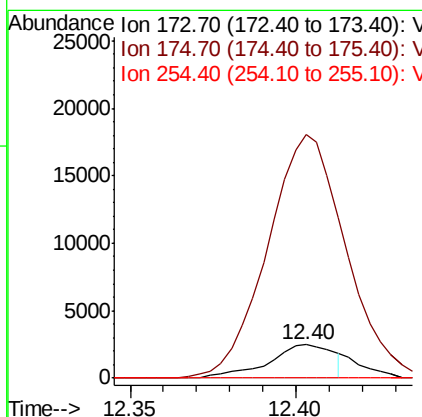
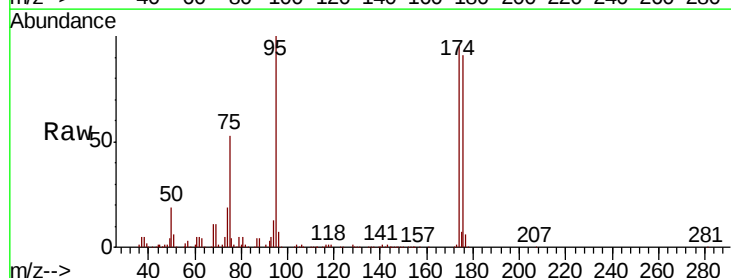
Instrument :
MSVOA_N
ClientSampleId :
VN1009MBL01

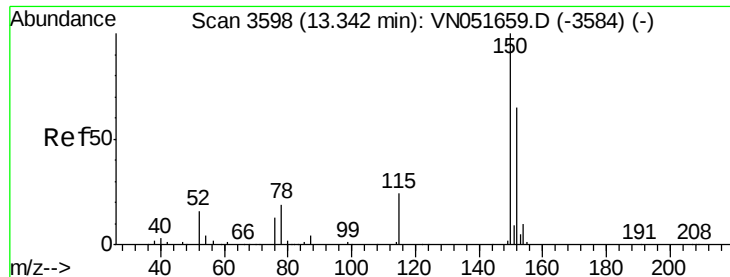
Tot Ion:117 Resp: 907881
Ion Ratio Lower Upper
117 100
82 51.5 41.3 61.9
119 32.1 25.9 38.9



#71
Bromoform
Concen: 0.506 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051754.D
Acq: 9 Oct 2018 17:43

Tgt Ion:173 Resp: 3391
Ion Ratio Lower Upper
173 100
175 732.1 24.0 72.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1009MBL01

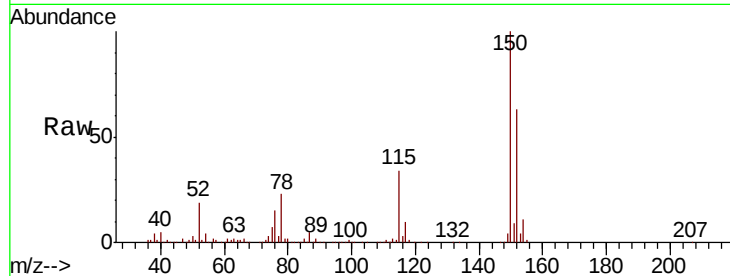
Tot Ion:152 Resp: 341543

Ion Ratio Lower Upper

152 100

115 53.9 28.6 85.8

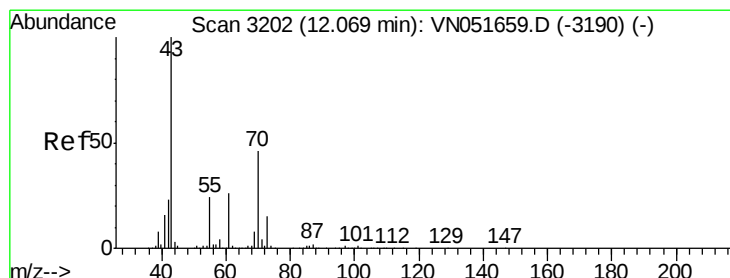
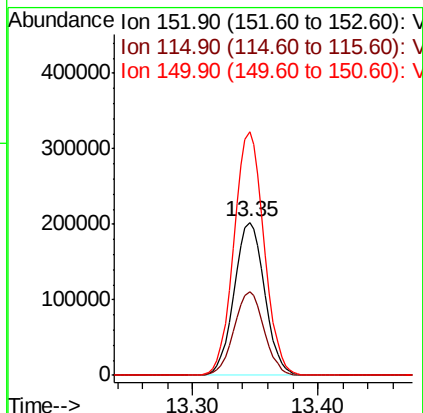
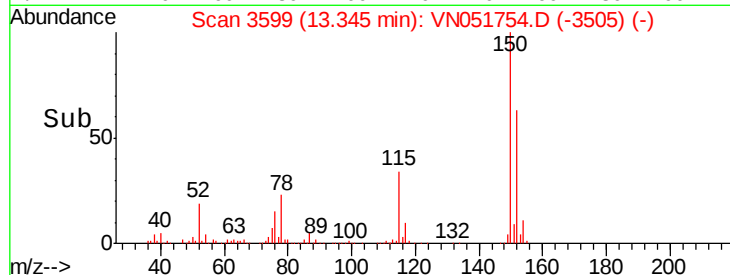
150 157.0 0.0 352.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Tgt Ion: 43 Resp: 912

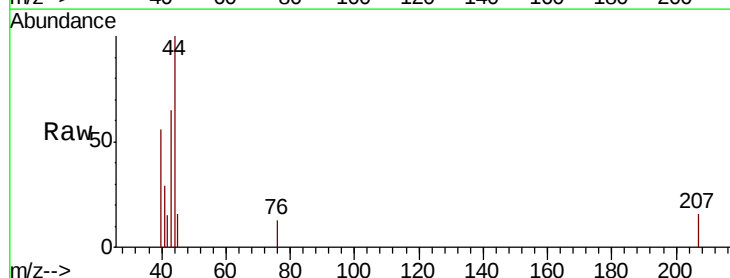
Ion Ratio Lower Upper

43 100

70 0.0 37.1 55.7#

55 0.0 19.1 28.7#

61 0.0 20.8 31.2#

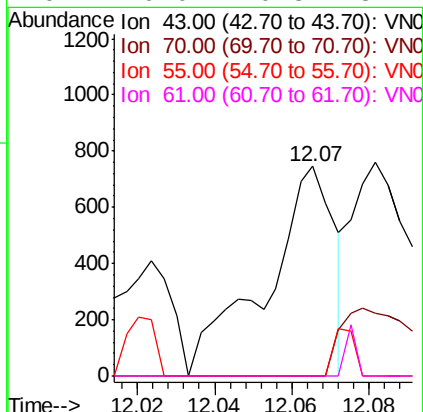
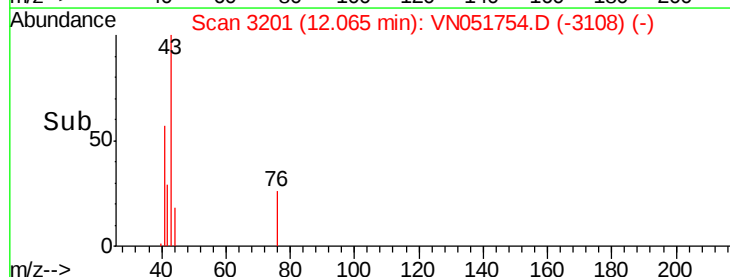


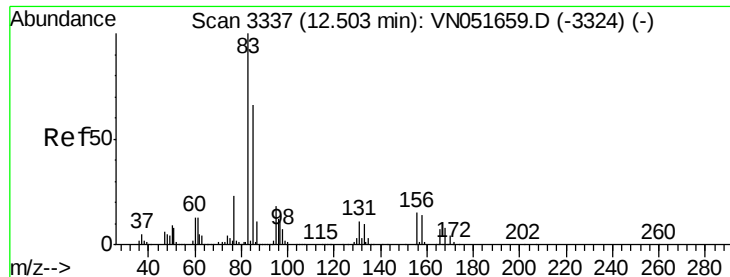
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1009MBL01

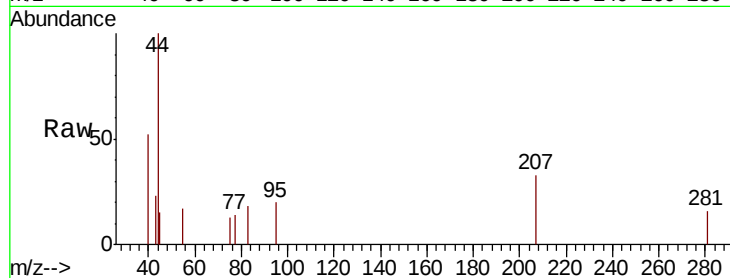
Tot Ion: 83 Resp: 112

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.1#

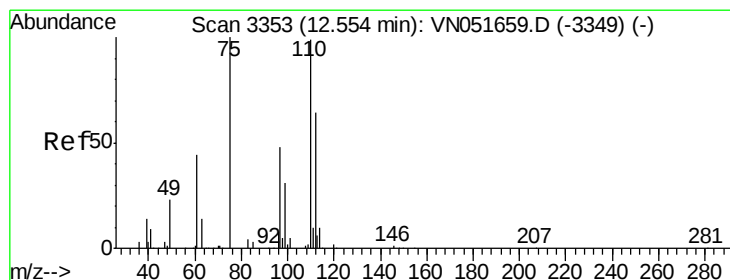
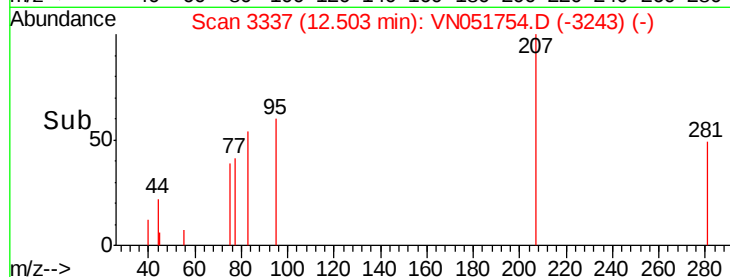
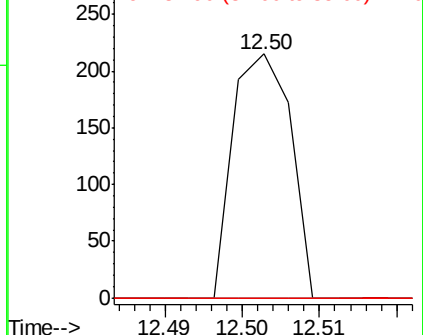
85 0.0 33.0 98.9#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 52.244 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051754.D

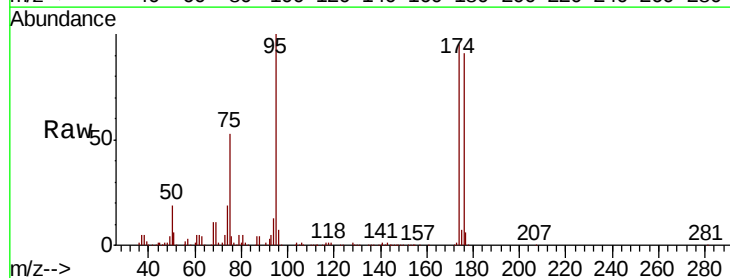
Acq: 9 Oct 2018 17:43

Tgt Ion: 75 Resp: 220931

Ion Ratio Lower Upper

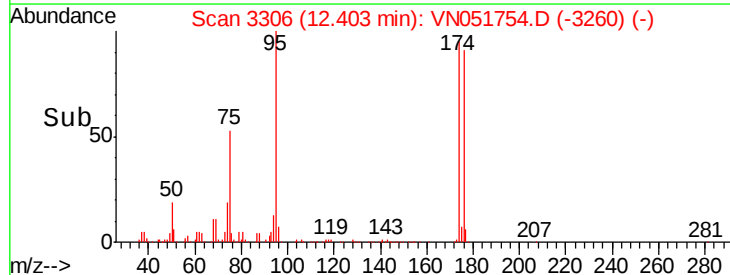
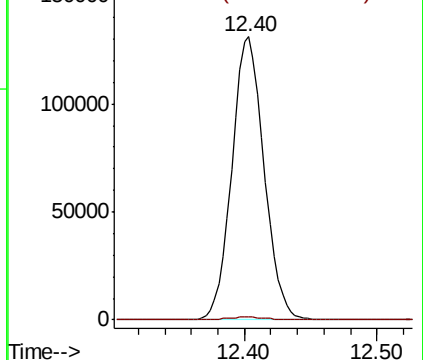
75 100

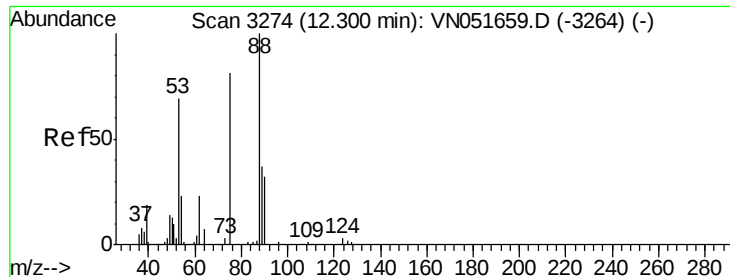
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 118.906 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1009MBL01

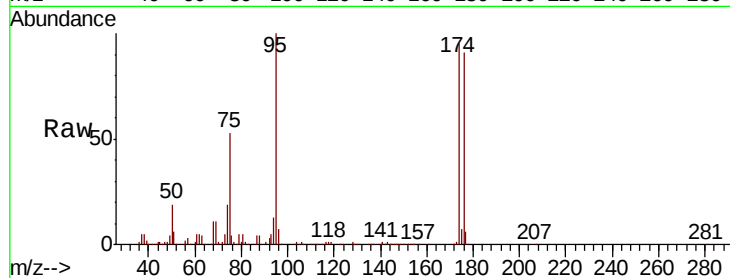
Tot Ion: 75 Resp: 220931

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

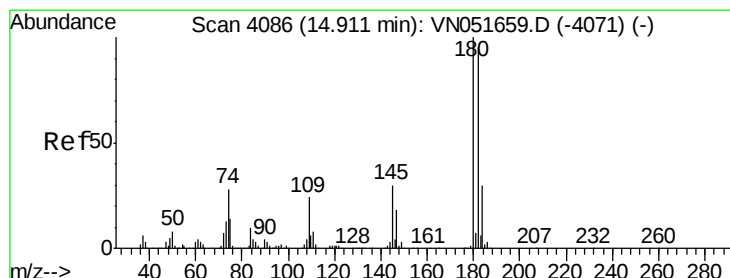
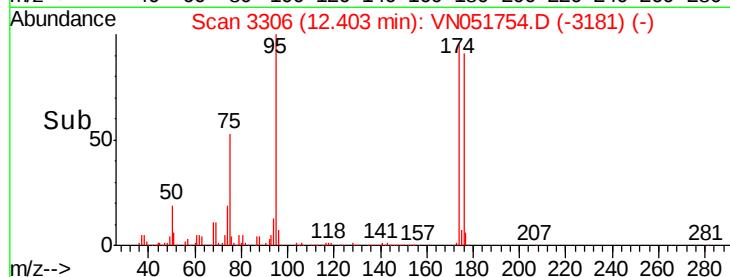
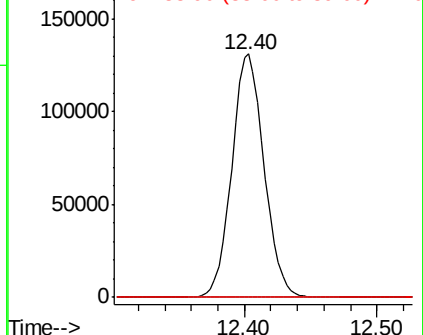
89 0.0 39.4 59.2#



Abundance Ion 74.90 (74.60 to 75.60): VN051754.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN051754.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN051754.D (-3306) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.263 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.01 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

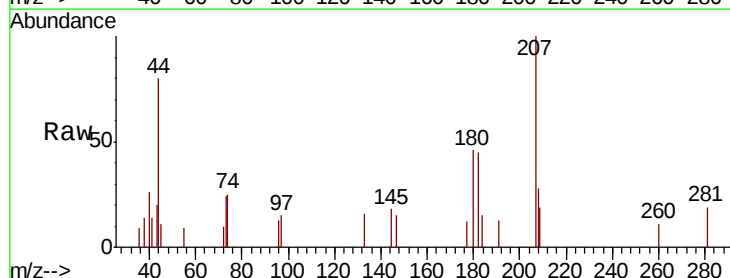
Tgt Ion:180 Resp: 1441

Ion Ratio Lower Upper

180 100

182 101.2 47.7 143.1

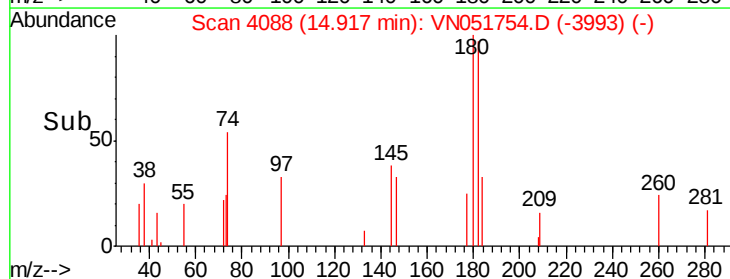
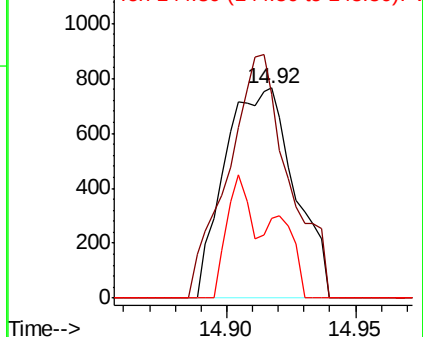
145 14.0 15.3 45.9#

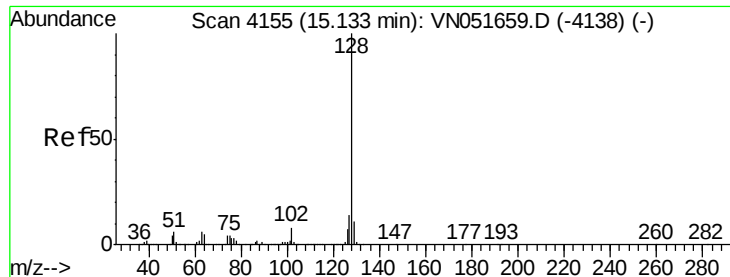


Abundance Ion 179.80 (179.50 to 180.50): VN051754.D (-4088) (-)

Ion 181.80 (181.50 to 182.50): VN051754.D (-4088) (-)

Ion 144.80 (144.50 to 145.50): VN051754.D (-4088) (-)





#95

Naphthalene

Concen: 0.369 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

Instrument :

MSVOA_N

ClientSampleId :

VN1009MBL01

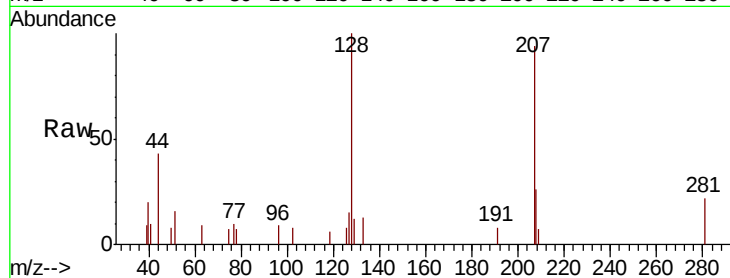
Tot Ion:128 Resp: 4371

Ion Ratio Lower Upper

128 100

127 9.0 10.6 15.8#

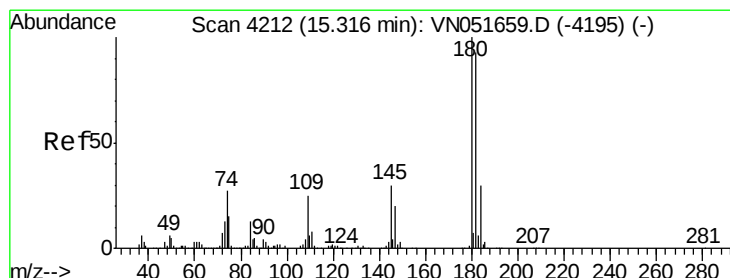
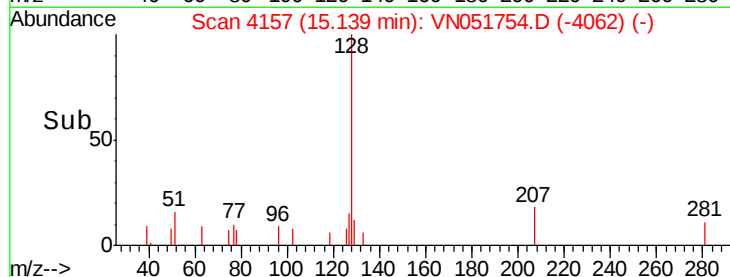
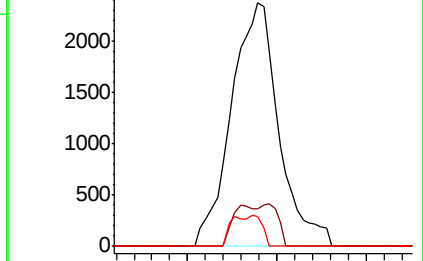
129 8.1 9.0 13.6#



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: 0.334 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN051754.D

Acq: 9 Oct 2018 17:43

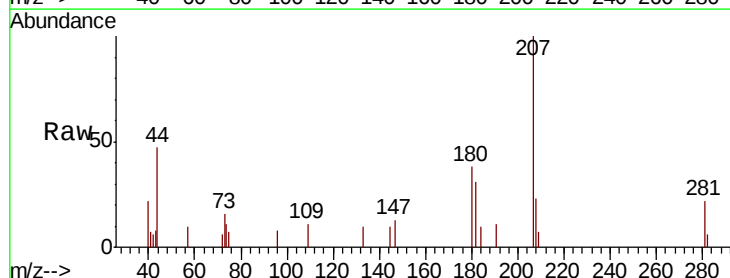
Tgt Ion:180 Resp: 1804

Ion Ratio Lower Upper

180 100

182 58.4 47.3 141.8

145 15.5 15.6 46.8#



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

