

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072618\
 Data File : VN050081.D
 Acq On : 26 Jul 2018 14:47
 Operator : MD\SY
 Sample : J4164-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-072518

Quant Time: Jul 27 01:19:45 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	641366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1050565	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	859576	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	461286	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
35) Dibromofluoromethane	7.59	113	408241	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
50) Toluene-d8	10.09	98	1405186	44.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.12%	
62) 4-Bromofluorobenzene	12.40	95	371497	35.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.56%	

Target Compounds

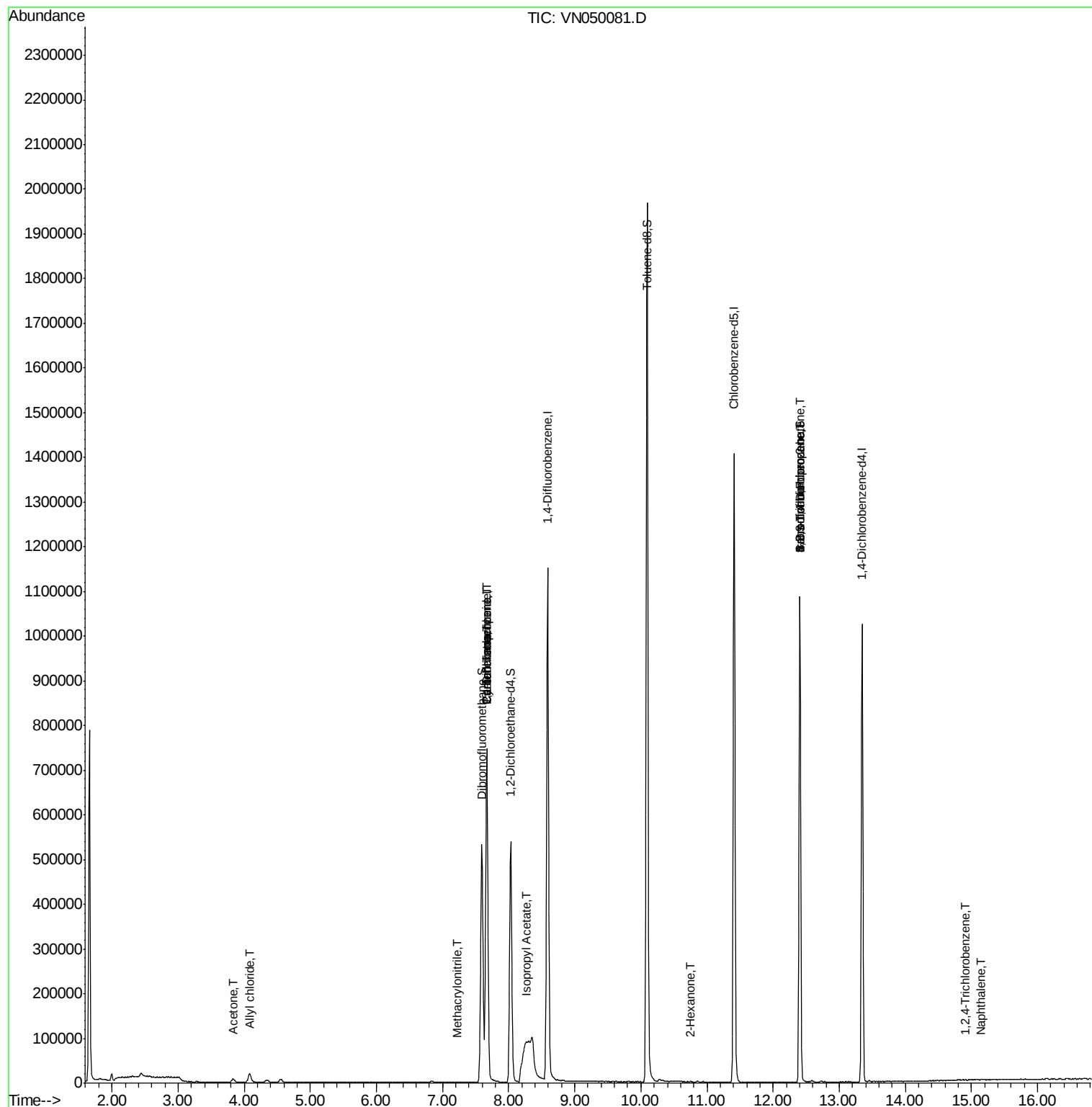
						Qvalue
5) Bromomethane	2.56	94	546	Below Cal	#	25
14) Allyl chloride	4.08	41	3506	0.31	ug/l #	64
16) Acetone	3.83	43	13715	2.20	ug/l	95
18) Methyl Acetate	4.34	43	9909	Below Cal		98
20) Methylene Chloride	4.54	84	5789	Below Cal	#	85
31) Cyclohexane	7.67	56	12648	0.96	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45572	3.85	ug/l #	48
38) Carbon Tetrachloride	7.67	117	58183	4.63	ug/l #	16
41) Methacrylonitrile	7.22	41	97	2.77	ug/l #	17
43) Isopropyl Acetate	8.27	43	130947	7.45	ug/l #	61
59) 2-Hexanone	10.75	43	528	5.26	ug/l #	24
71) Bromoform	12.40	173	3837	0.63	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	174	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	181286	33.23	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	181286	105.39	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	157	3.11	ug/l #	87
95) Naphthalene	15.14	128	344	4.44	ug/l #	69

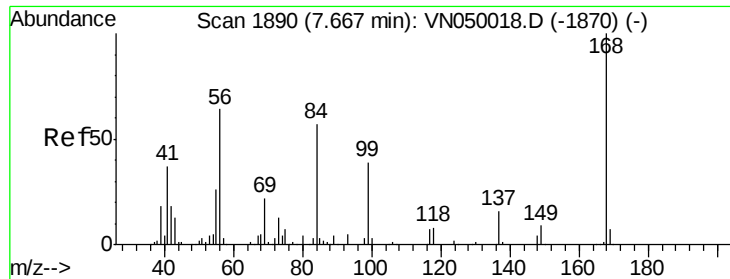
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

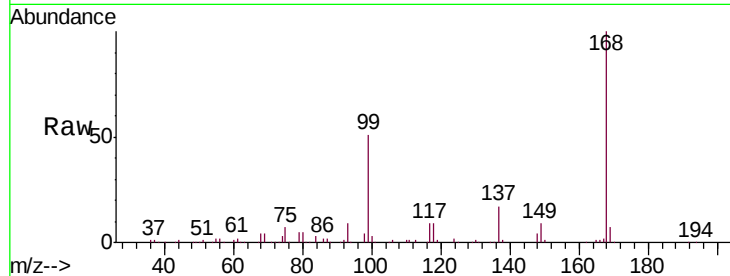
TB-072518

Tot Ion:168 Resp: 641366

Ion Ratio Lower Upper

168 100

99 50.7 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

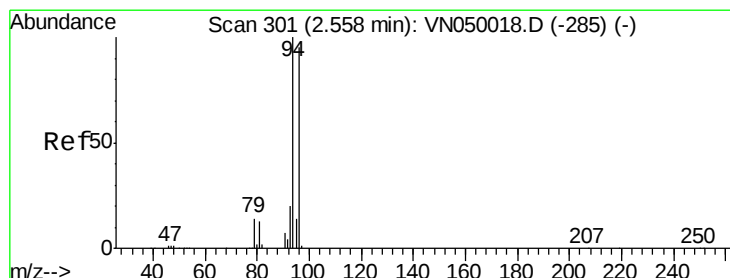
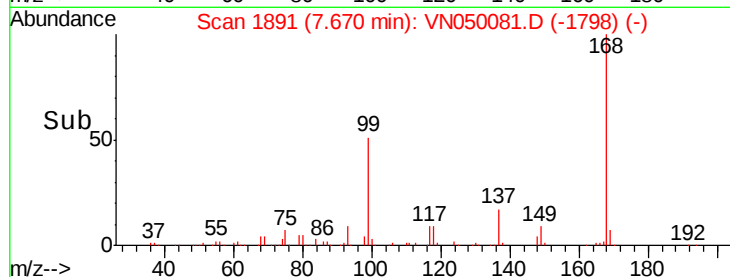
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050081.D

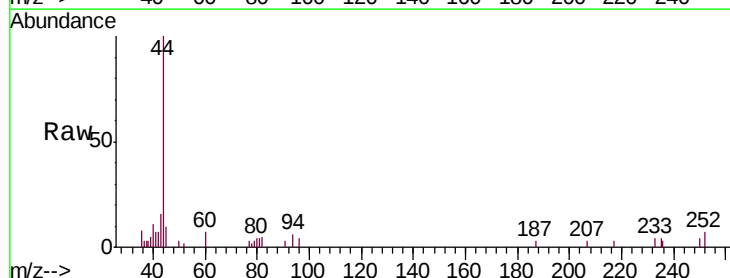
Acq: 26 Jul 2018 14:47

Tgt Ion: 94 Resp: 546

Ion Ratio Lower Upper

94 100

96 21.3 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

2.56

400

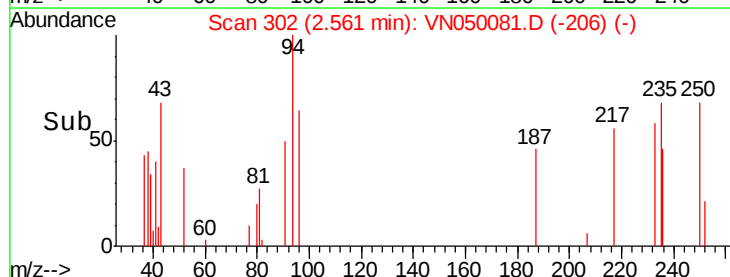
300

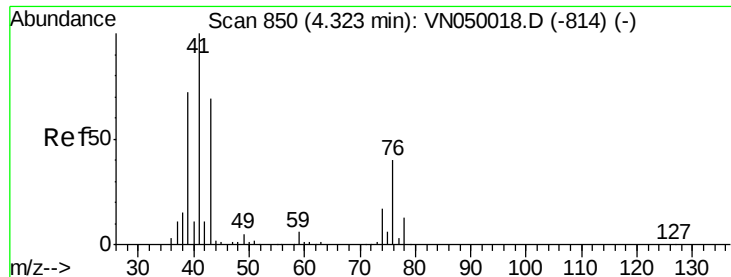
200

100

0

Time-->

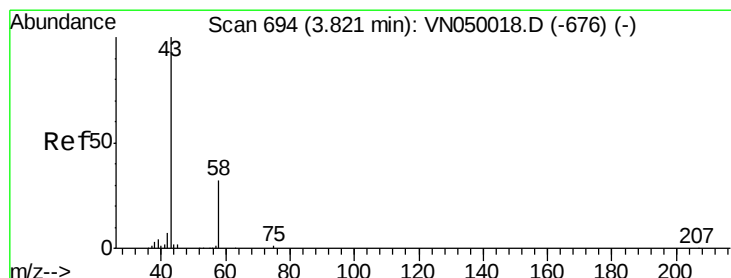
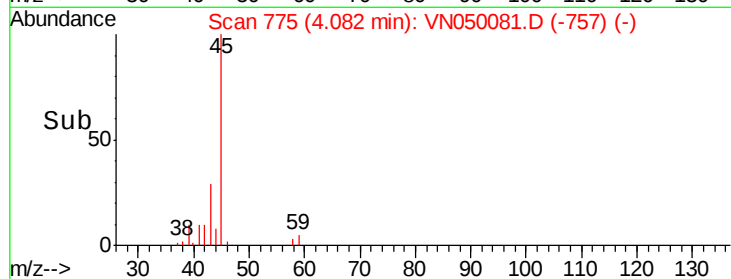
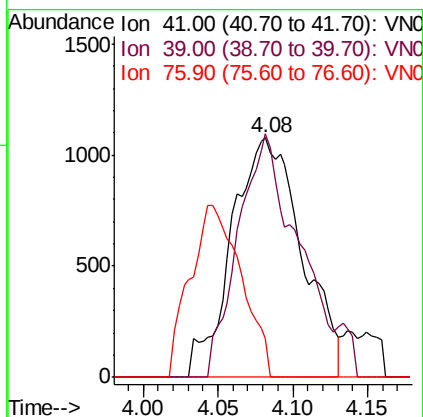
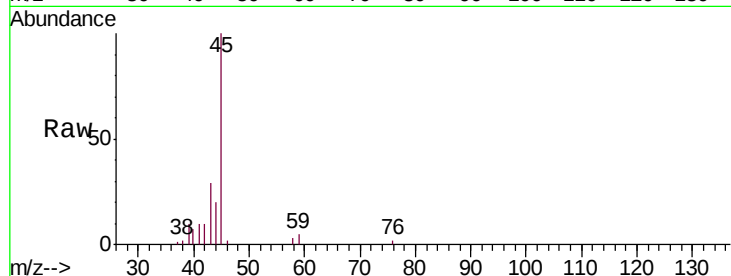




#14
Allvl chloride
Concen: 0.31 ug/l
RT: 4.08 min Scan# 775
Delta R.T. -0.24 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

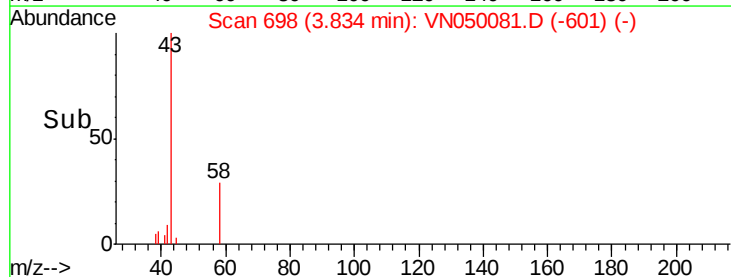
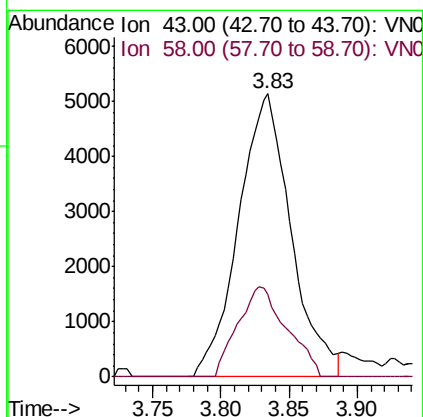
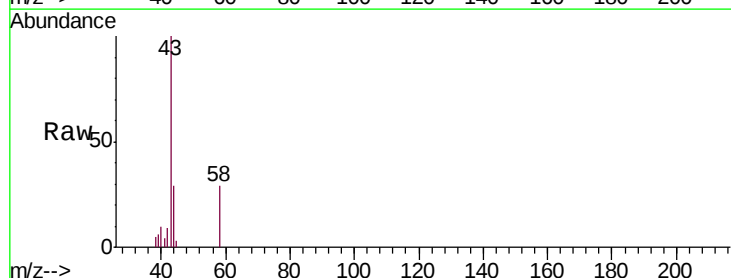
Instrument :
MSVOA_N
ClientSampled :
TB-072518

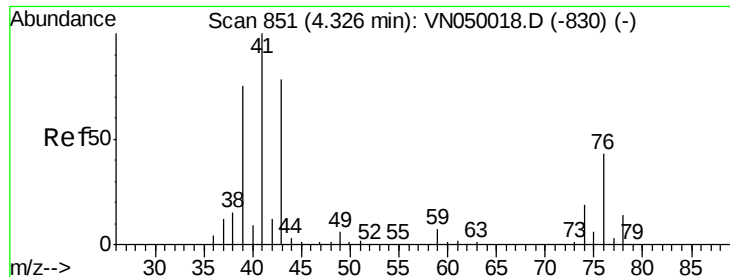
Tot Ion: 41 Resp: 3506
Ion Ratio Lower Upper
41 100
39 86.1 54.2 81.4#
76 0.0 29.0 43.6#



#16
Acetone
Concen: 2.20 ug/l
RT: 3.83 min Scan# 698
Delta R.T. 0.01 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

Tgt Ion: 43 Resp: 13715
Ion Ratio Lower Upper
43 100
58 29.2 25.8 38.8

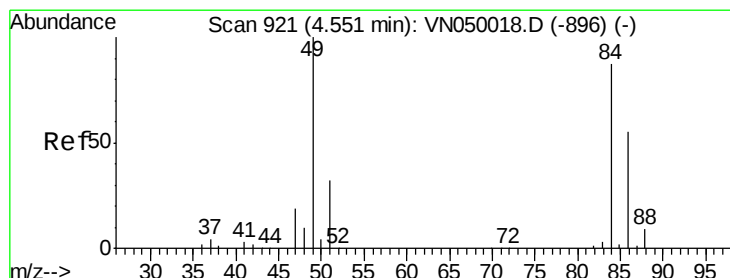
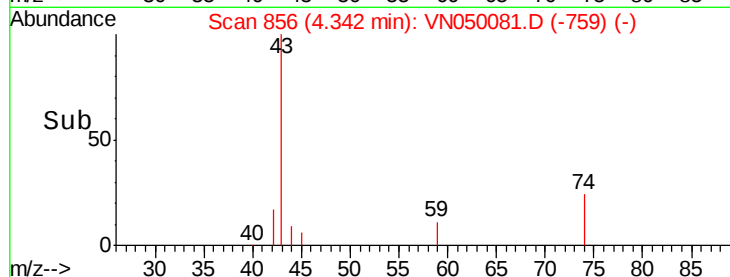
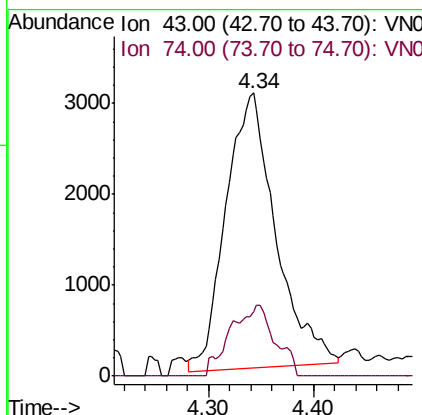
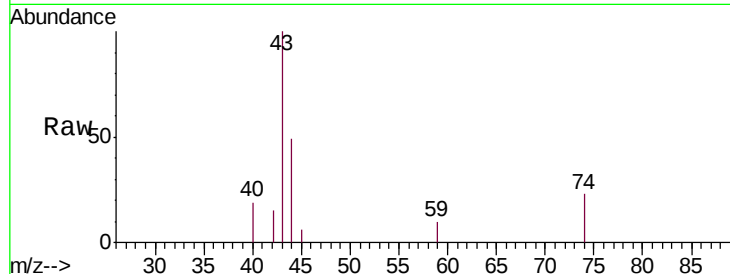




#18
Methyl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 856
Delta R.T. 0.01 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

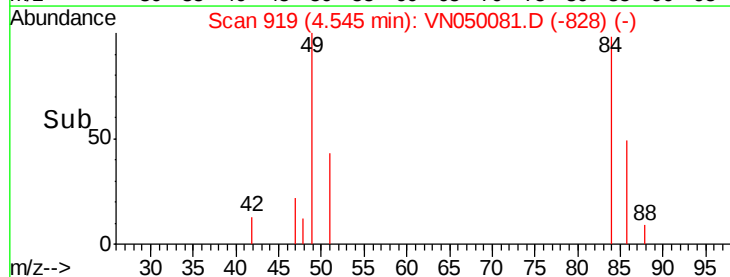
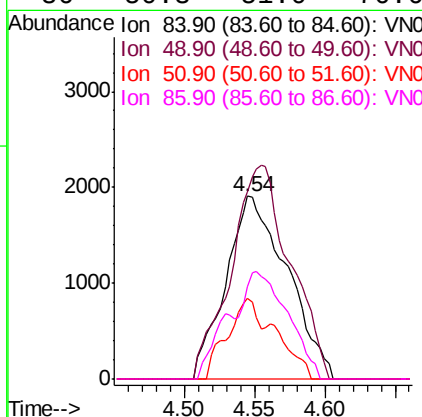
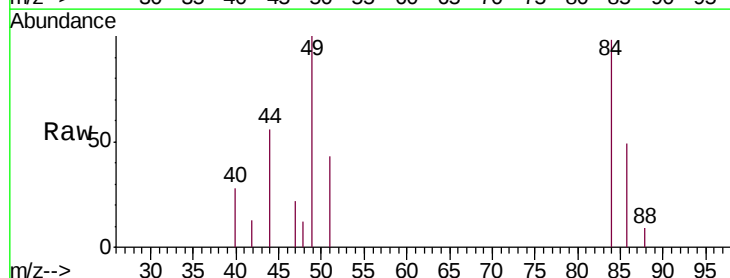
Instrument :
MSVOA_N
ClientSampleId :
TB-072518

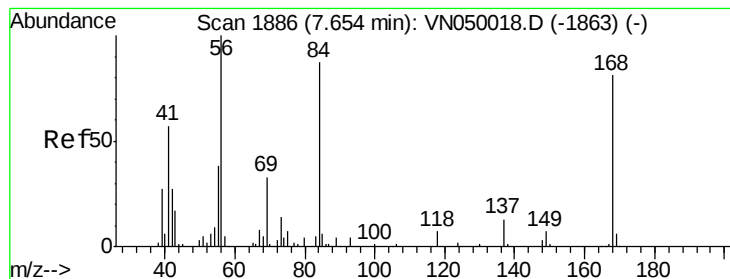
Tot Ion: 43 Resp: 9909
Ion Ratio Lower Upper
43 100
74 23.2 19.2 28.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

Tgt Ion: 84 Resp: 5789
Ion Ratio Lower Upper
84 100
49 102.4 94.8 142.2
51 43.8 28.3 42.5#
86 50.3 51.0 76.6#





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

Instrument :

MSVOA_N

ClientSampled :

TB-072518

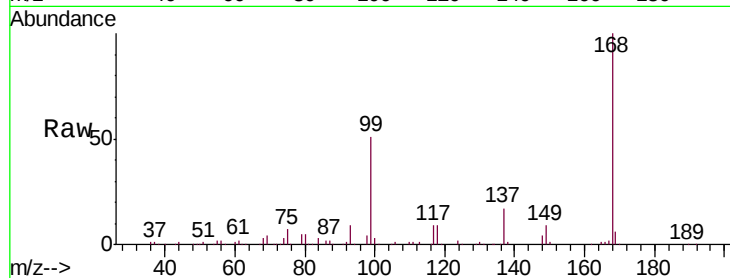
Tot Ion: 56 Resp: 12648

Ion Ratio Lower Upper

56 100

69 183.3 26.2 39.4#

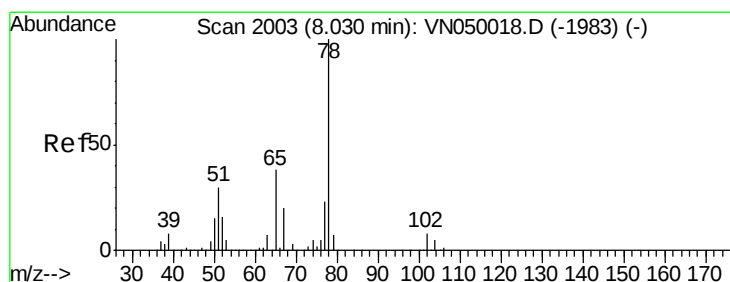
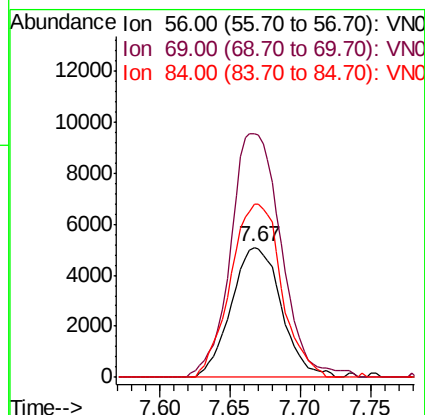
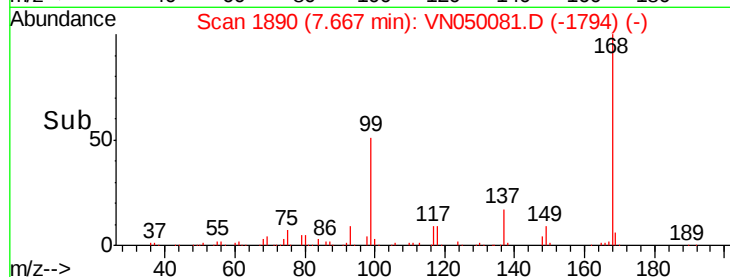
84 132.7 67.4 101.0#



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: 51.55 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050081.D

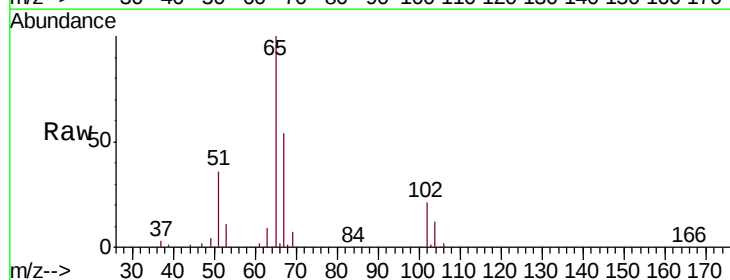
Acq: 26 Jul 2018 14:47

Tgt Ion: 65 Resp: 461286

Ion Ratio Lower Upper

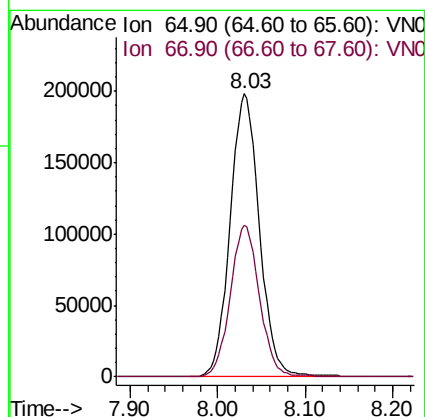
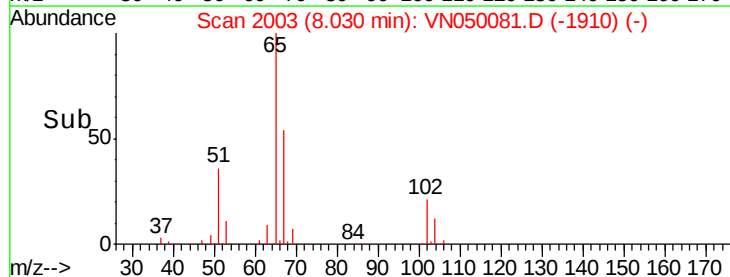
65 100

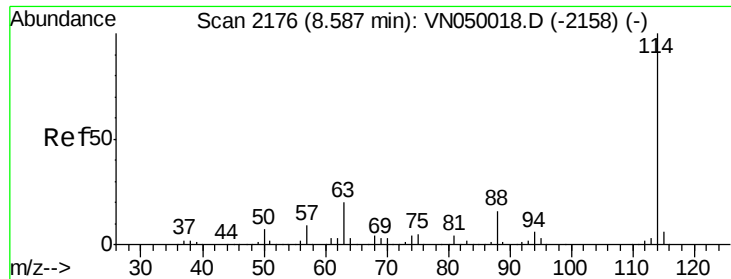
67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

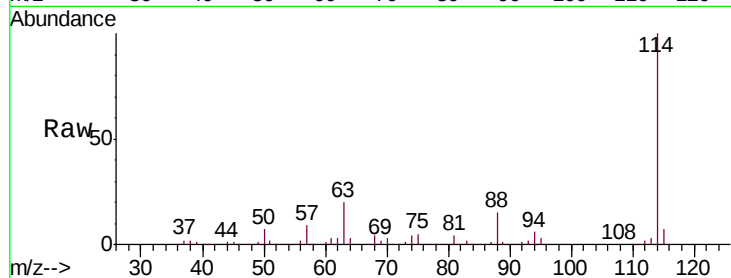




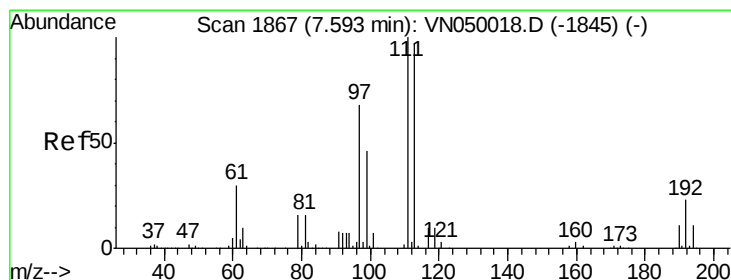
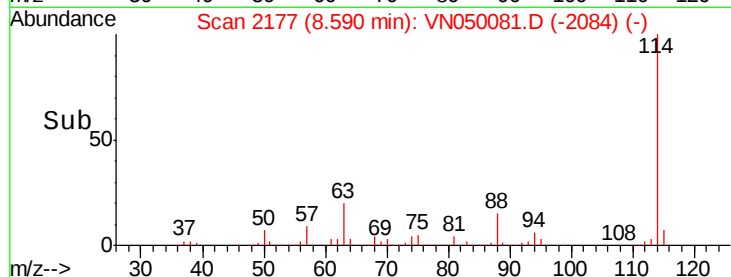
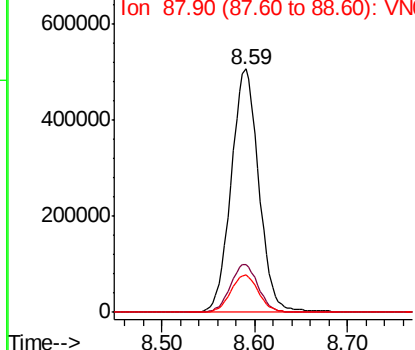
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050081.D
 Acq: 26 Jul 2018 14:47

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-072518

Tot Ion:114 Resp: 1050565
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.3 0.0 31.2

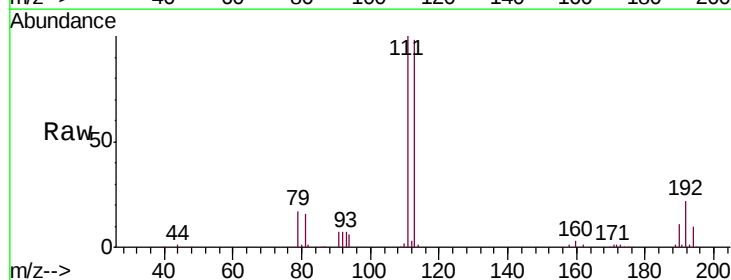


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

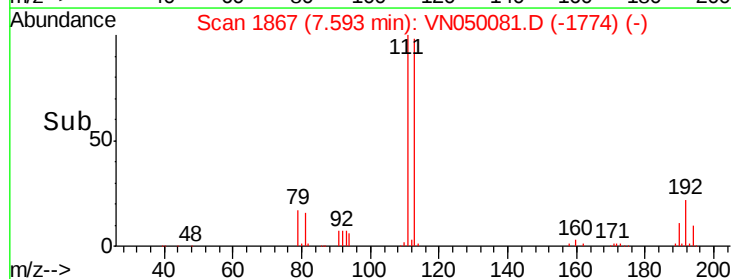
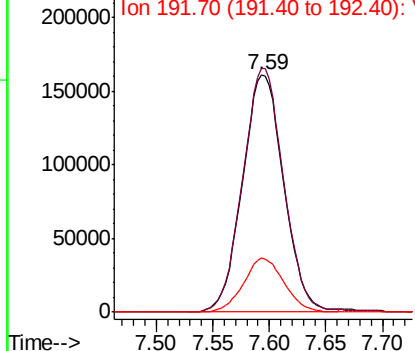


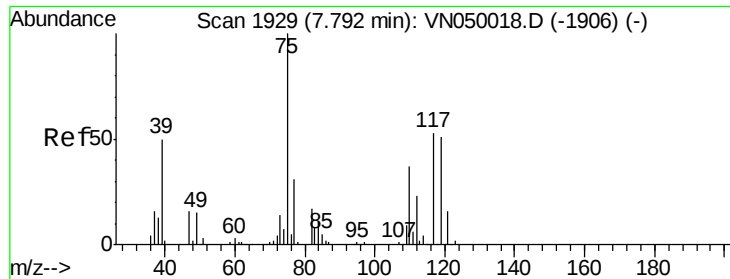
#35
 Dibromofluoromethane
 Concen: 47.59 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050081.D
 Acq: 26 Jul 2018 14:47

Tgt Ion:113 Resp: 408241
 Ion Ratio Lower Upper
 113 100
 111 102.6 80.7 121.1
 192 22.4 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

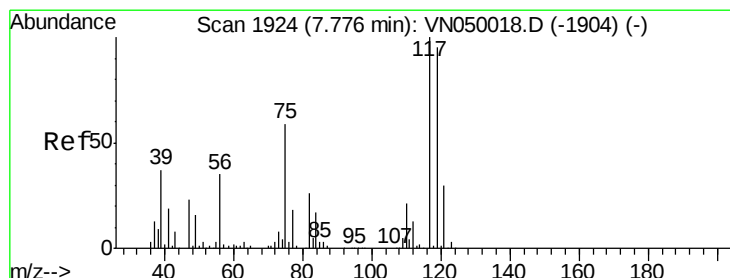
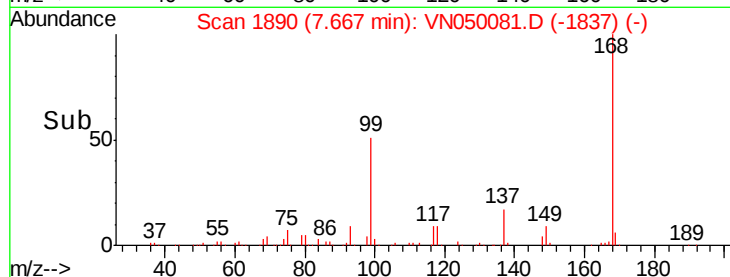
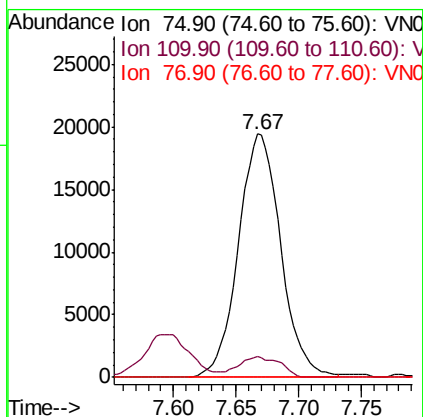
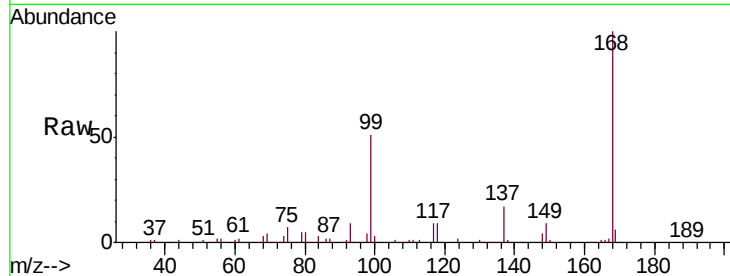




#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN050081.D
 Acq: 26 Jul 2018 14:47

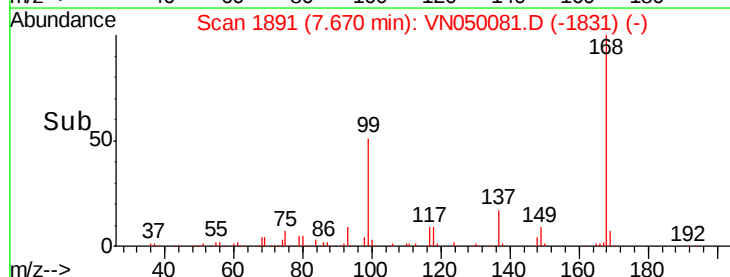
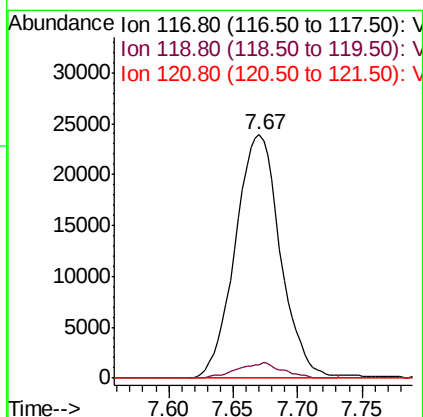
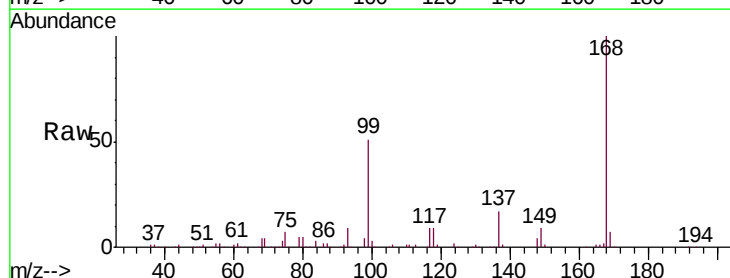
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 TB-072518

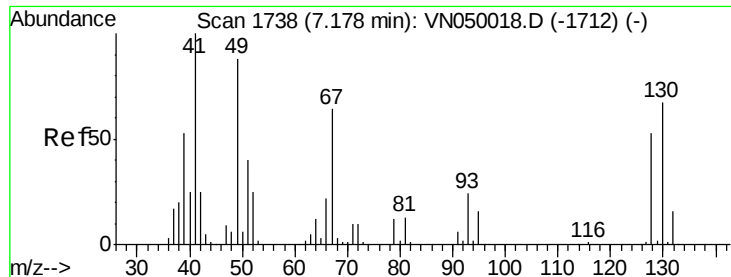
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.4	55.2#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 4.63 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.11 min
 Lab File: VN050081.D
 Acq: 26 Jul 2018 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	77.4	116.0#
121	0.0	23.9	35.9#

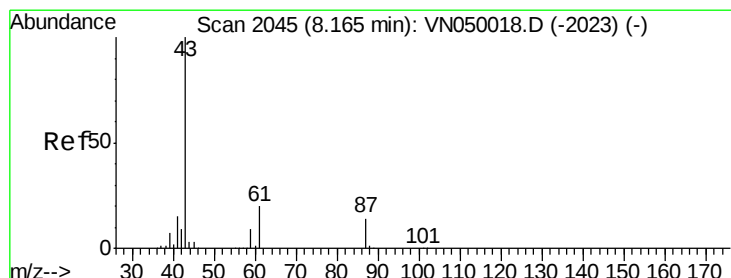
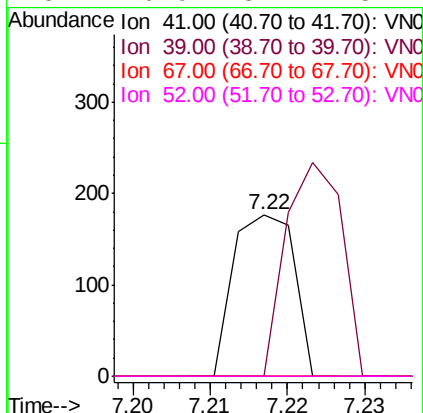
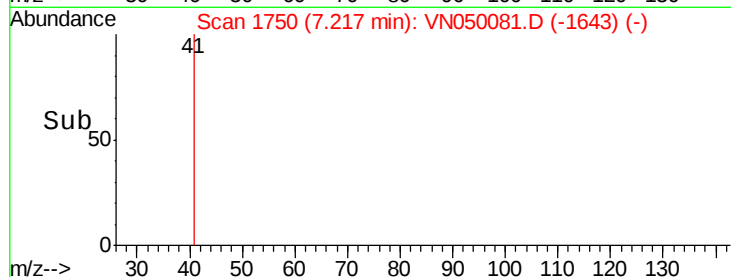
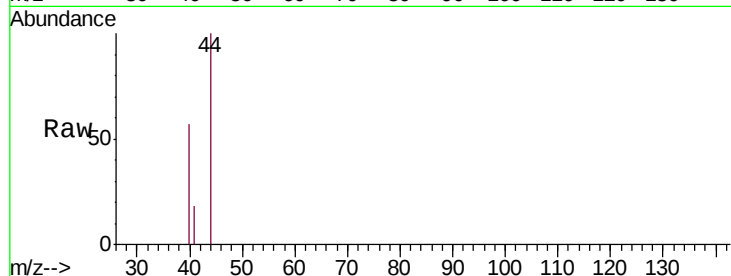




#41
Methacrylonitrile
Concen: 2.77 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.04 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

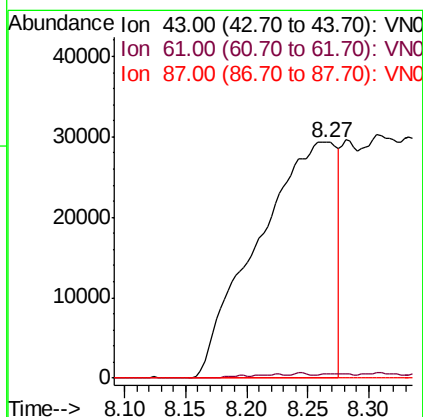
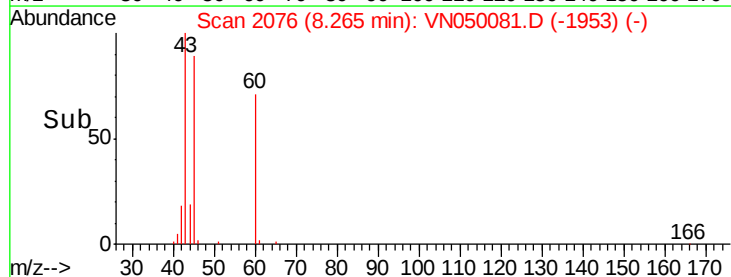
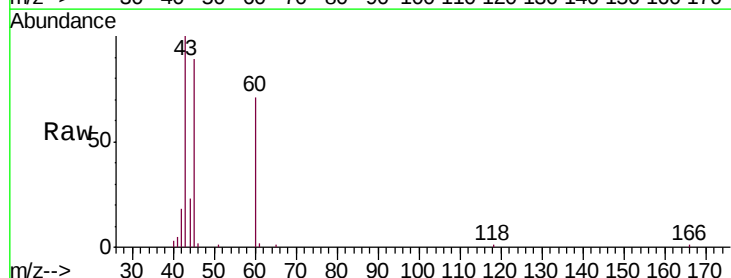
Instrument :
MSVOA_N
ClientSampled :
TB-072518

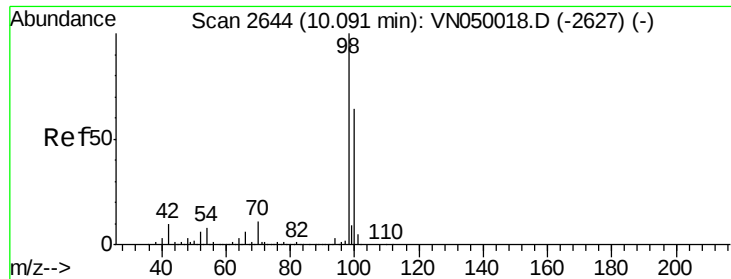
Tot Ion: 41 Resp: 97
Ion Ratio Lower Upper
41 100
39 121.6 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



#43
Isopropyl Acetate
Concen: 7.45 ug/l
RT: 8.27 min Scan# 2076
Delta R.T. 0.10 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

Tgt Ion: 43 Resp: 130947
Ion Ratio Lower Upper
43 100
61 0.2 15.8 23.6#
87 0.0 10.3 15.5#





#50

Toluene-d8

Concen: 44.56 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

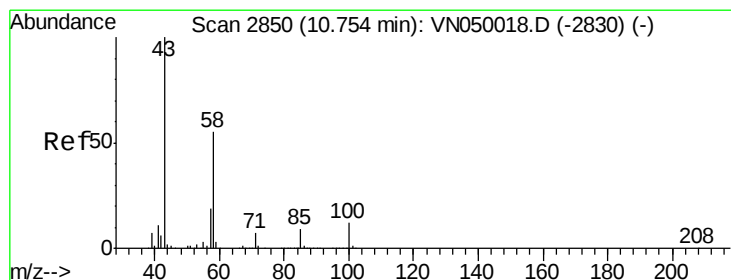
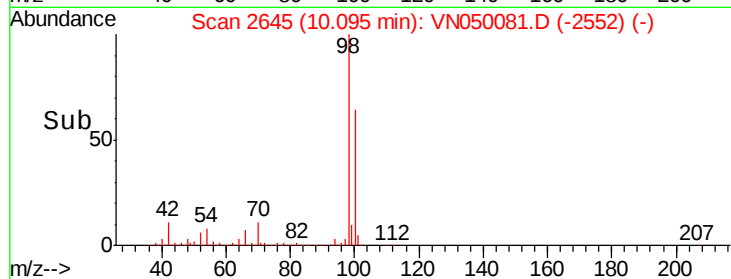
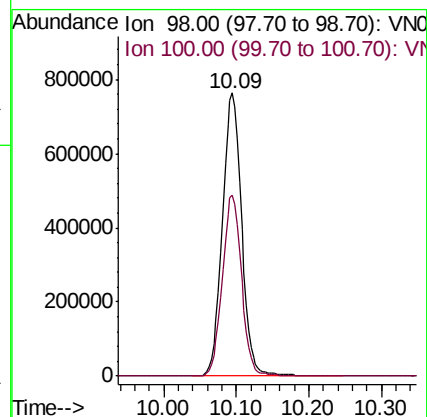
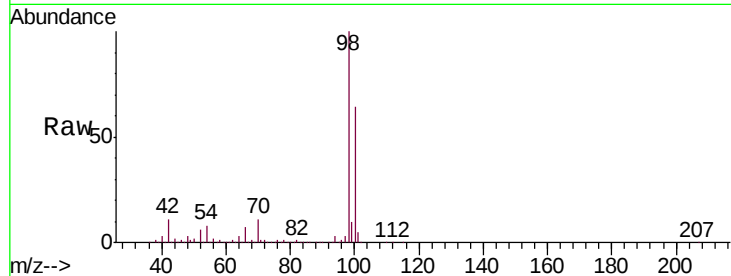
TB-072518

Tot Ion: 98 Resp: 1405186

Ion Ratio Lower Upper

98 100

100 63.9 50.7 76.1



#59

2-Hexanone

Concen: 5.26 ug/l

RT: 10.75 min Scan# 2848

Delta R.T. -0.01 min

Lab File: VN050081.D

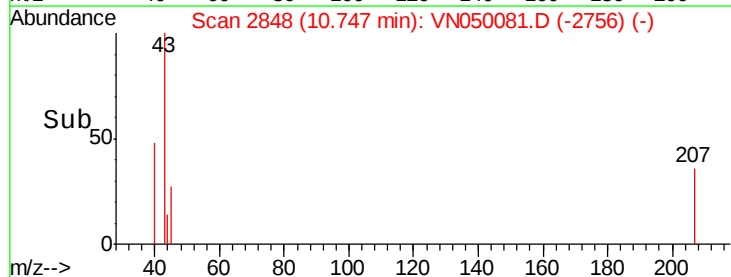
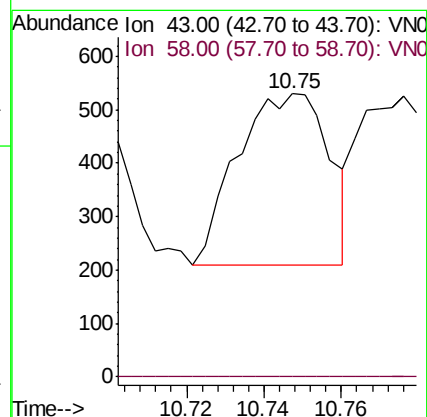
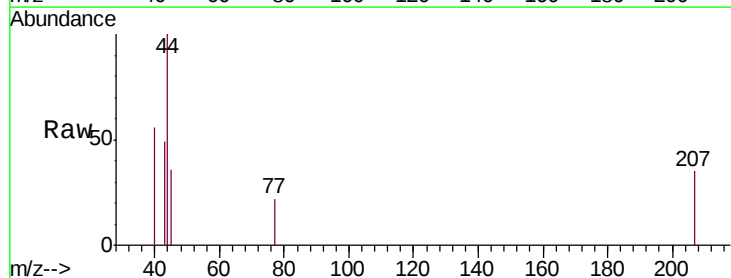
Acq: 26 Jul 2018 14:47

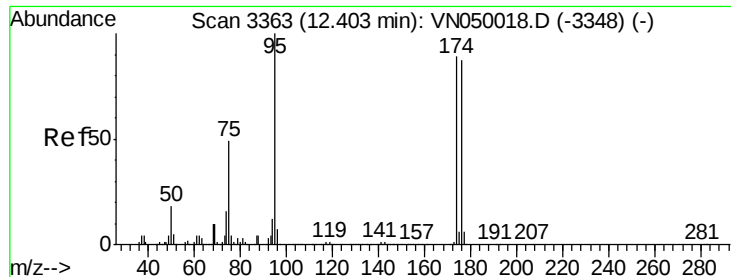
Tgt Ion: 43 Resp: 528

Ion Ratio Lower Upper

43 100

58 0.0 27.6 82.7#

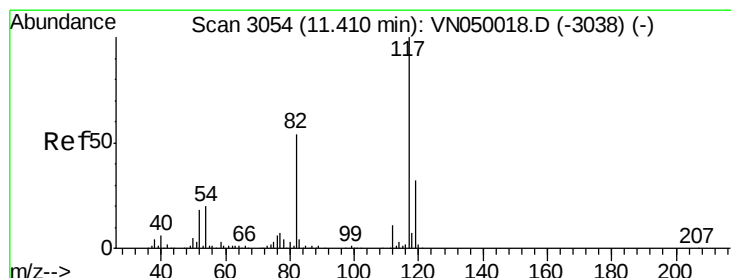
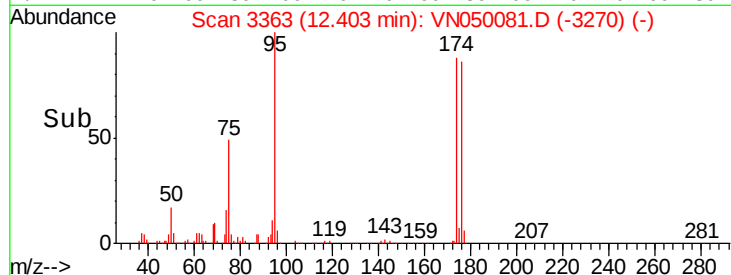
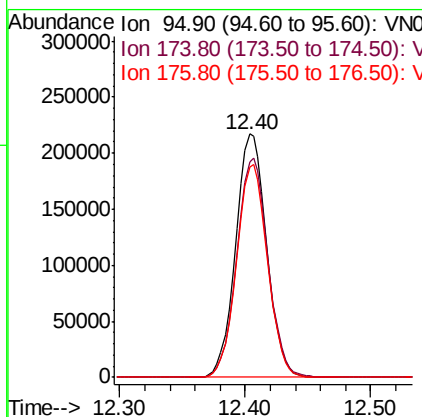
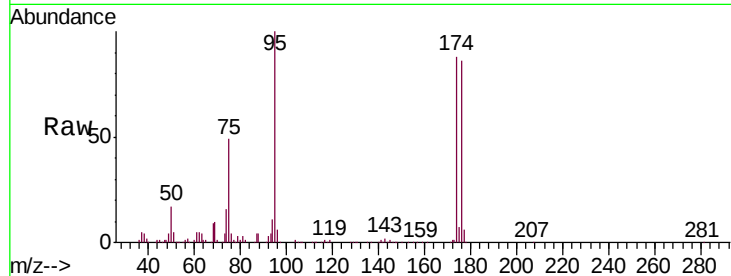




#62
4-Bromofluorobenzene
Concen: 35.78 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

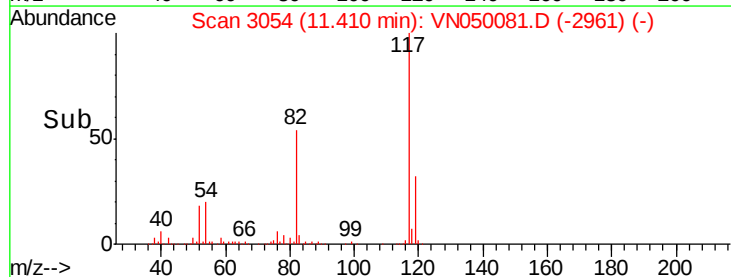
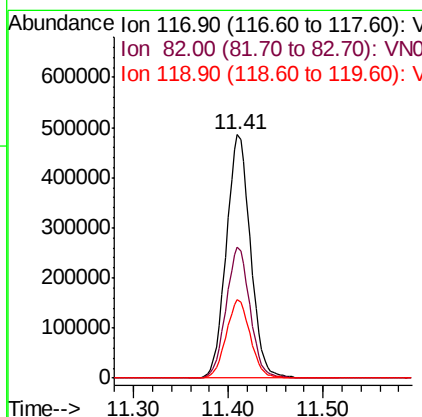
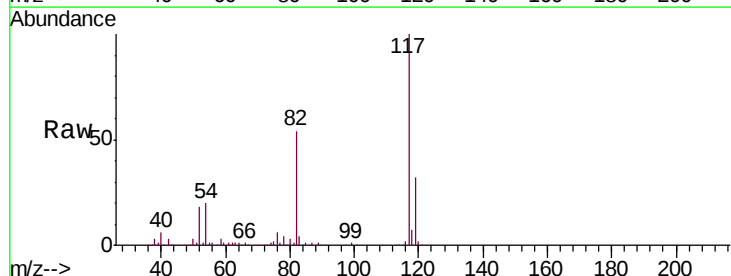
Instrument :
MSVOA_N
ClientSampled :
TB-072518

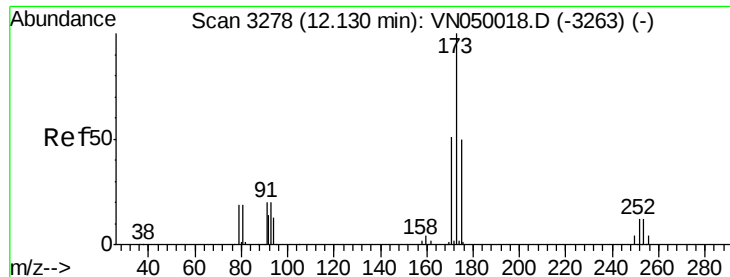
Tot Ion: 95 Resp: 371497
Ion Ratio Lower Upper
95 100
174 90.7 0.0 178.2
176 87.4 0.0 173.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

Tgt Ion: 117 Resp: 859576
Ion Ratio Lower Upper
117 100
82 53.8 43.7 65.5
119 32.1 26.1 39.1





#71

Bromoform

Concen: 0.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

TB-072518

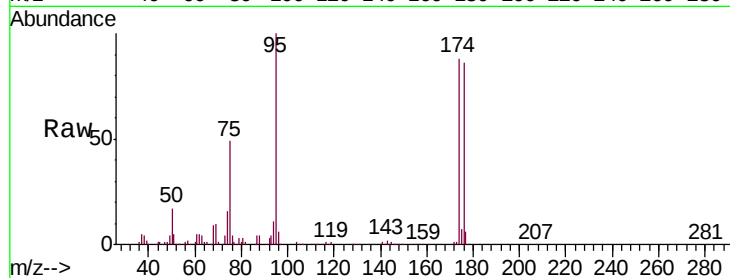
Tot Ion:173 Resp: 3837

Ion Ratio Lower Upper

173 100

175 547.5 24.1 72.2#

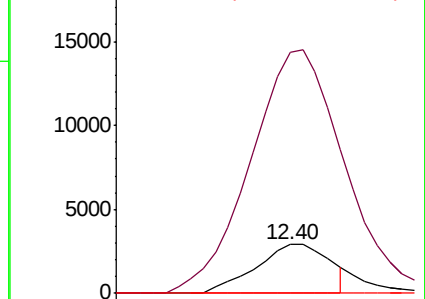
254 0.0 0.2 0.2#



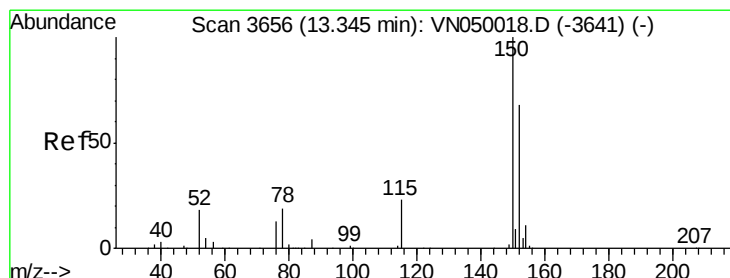
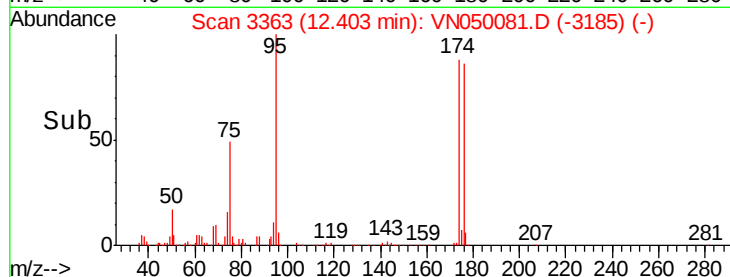
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time--> 12.36 12.38 12.40 12.42



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

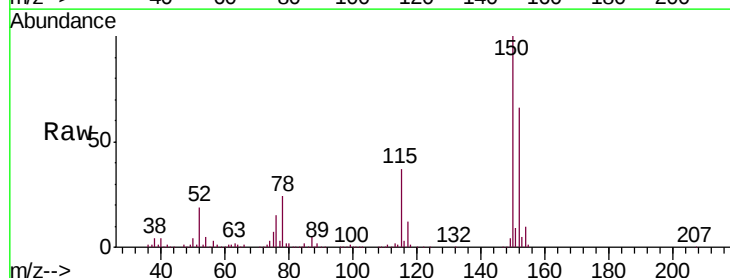
Tgt Ion:152 Resp: 293592

Ion Ratio Lower Upper

152 100

115 55.8 27.8 83.3

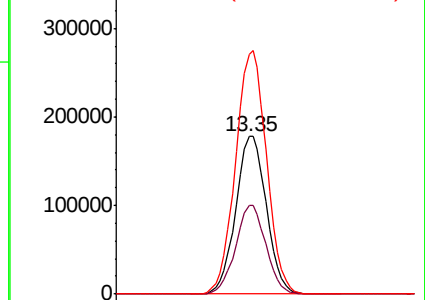
150 156.2 0.0 348.6



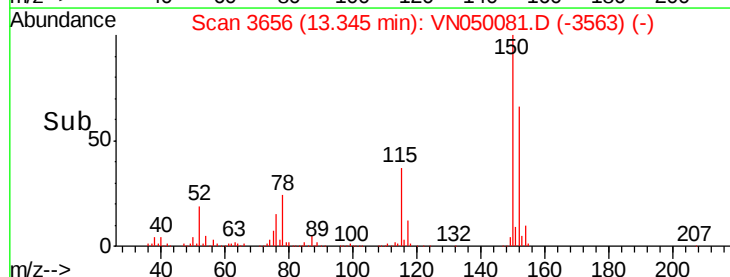
Abundance Ion 151.90 (151.60 to 152.60): V

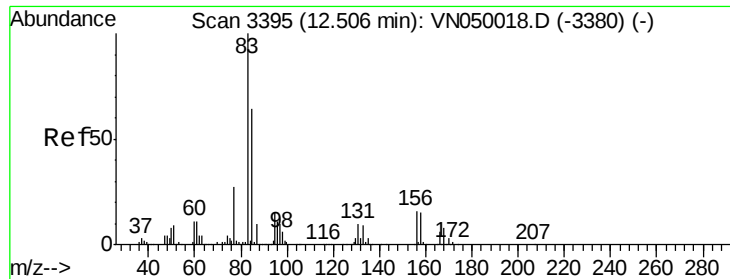
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time--> 13.30 13.40





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3366

Delta R.T. -0.09 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

Instrument :

MSVOA_N

ClientSampled :

TB-072518

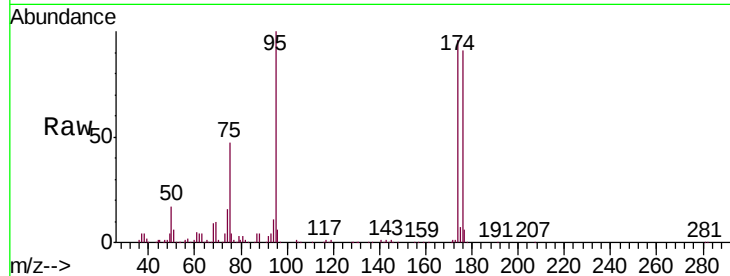
Tot Ion: 83 Resp: 174

Ion Ratio Lower Upper

83 100

131 246.0 5.1 15.3#

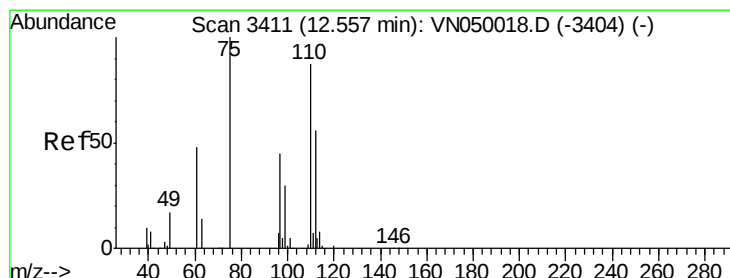
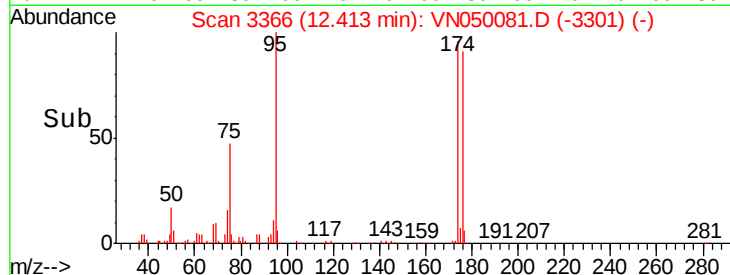
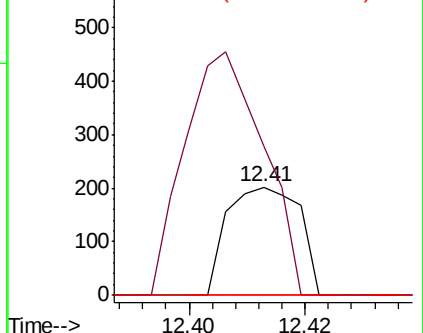
85 0.0 32.3 96.8#



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: 33.23 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050081.D

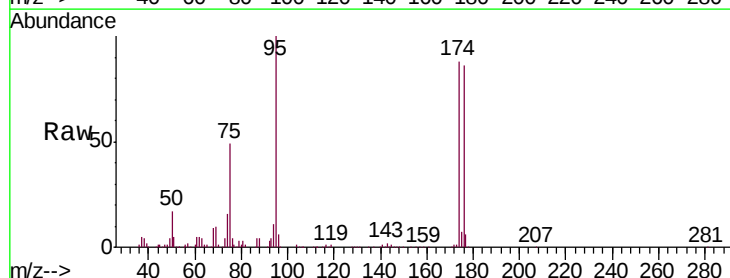
Acq: 26 Jul 2018 14:47

Tgt Ion: 75 Resp: 181286

Ion Ratio Lower Upper

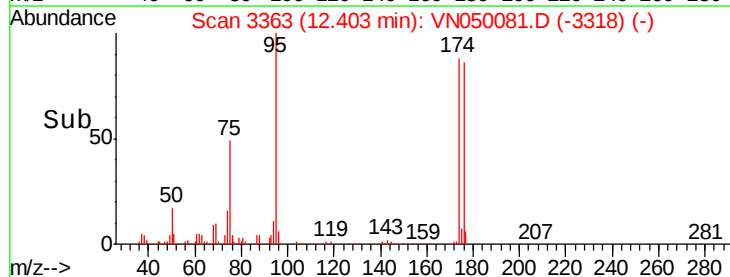
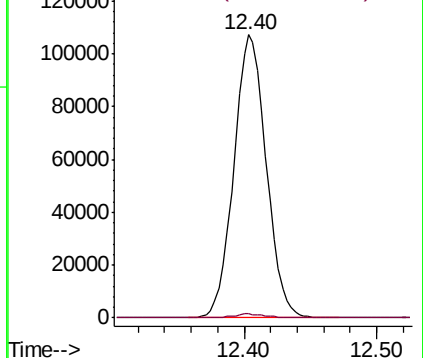
75 100

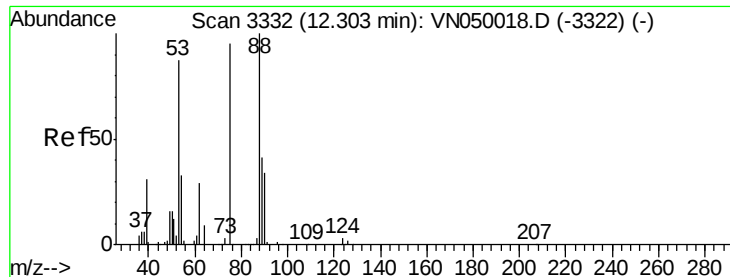
77 1.4 0.0 0.0#



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: 105.39 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

Instrument :

MSVOA_N

ClientSampleId :

TB-072518

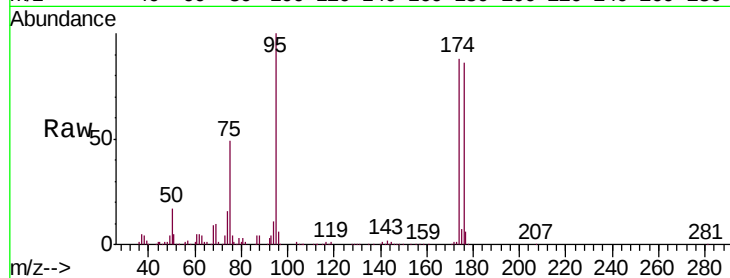
Tot Ion: 75 Resp: 181286

Ion Ratio Lower Upper

75 100

53 0.3 73.5 110.3#

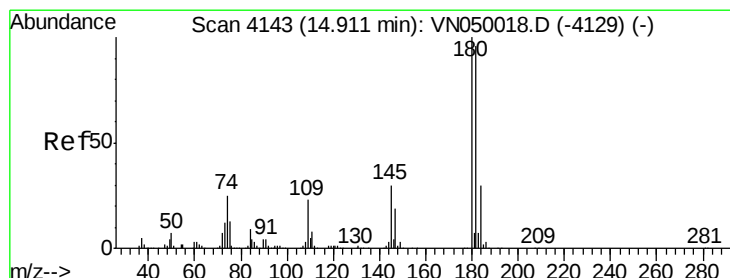
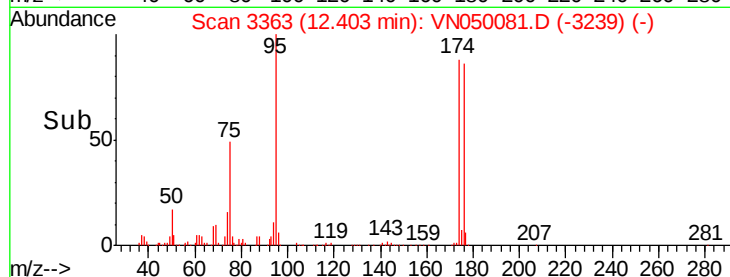
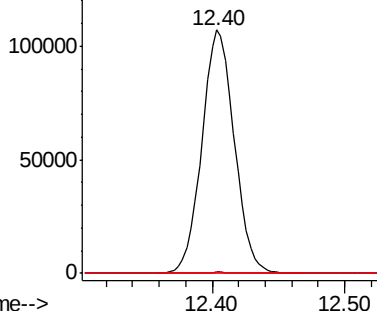
89 0.0 36.0 54.0#



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: 3.11 ug/l

RT: 14.92 min Scan# 4145

Delta R.T. 0.01 min

Lab File: VN050081.D

Acq: 26 Jul 2018 14:47

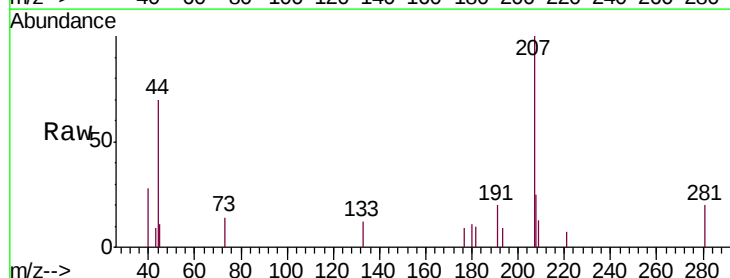
Tgt Ion:180 Resp: 157

Ion Ratio Lower Upper

180 100

182 92.4 46.7 140.1

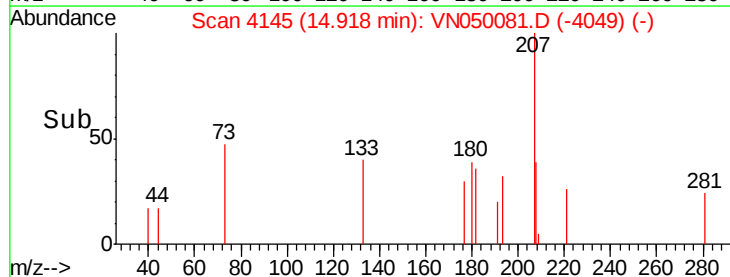
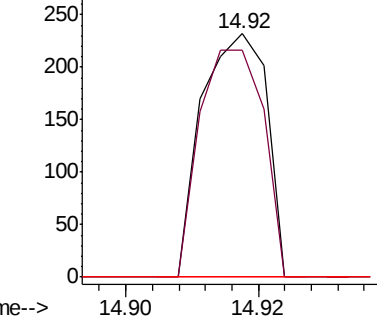
145 0.0 13.8 41.4#

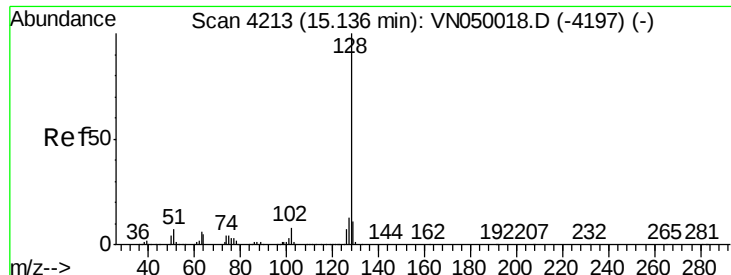


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95
Naphthalene
Concen: 4.44 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN050081.D
Acq: 26 Jul 2018 14:47

Instrument :
MSVOA_N
ClientSampleId :
TB-072518

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.4	15.6#
129	0.0	8.8	13.2#

