

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051077.D
 Acq On : 10 Sep 2018 14:56
 Operator : MD\SY
 Sample : J4832-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Quant Time: Sep 11 03:18:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	676524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1020156	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	891274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	301753	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	398217	52.89	ug/l	0.00
Spiked Amount			Recovery	=	105.78%	
35) Dibromofluoromethane	7.59	113	396177	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	10.09	98	1428614	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
62) 4-Bromofluorobenzene	12.40	95	393455	40.89	ug/l	0.00
Spiked Amount			Recovery	=	81.78%	

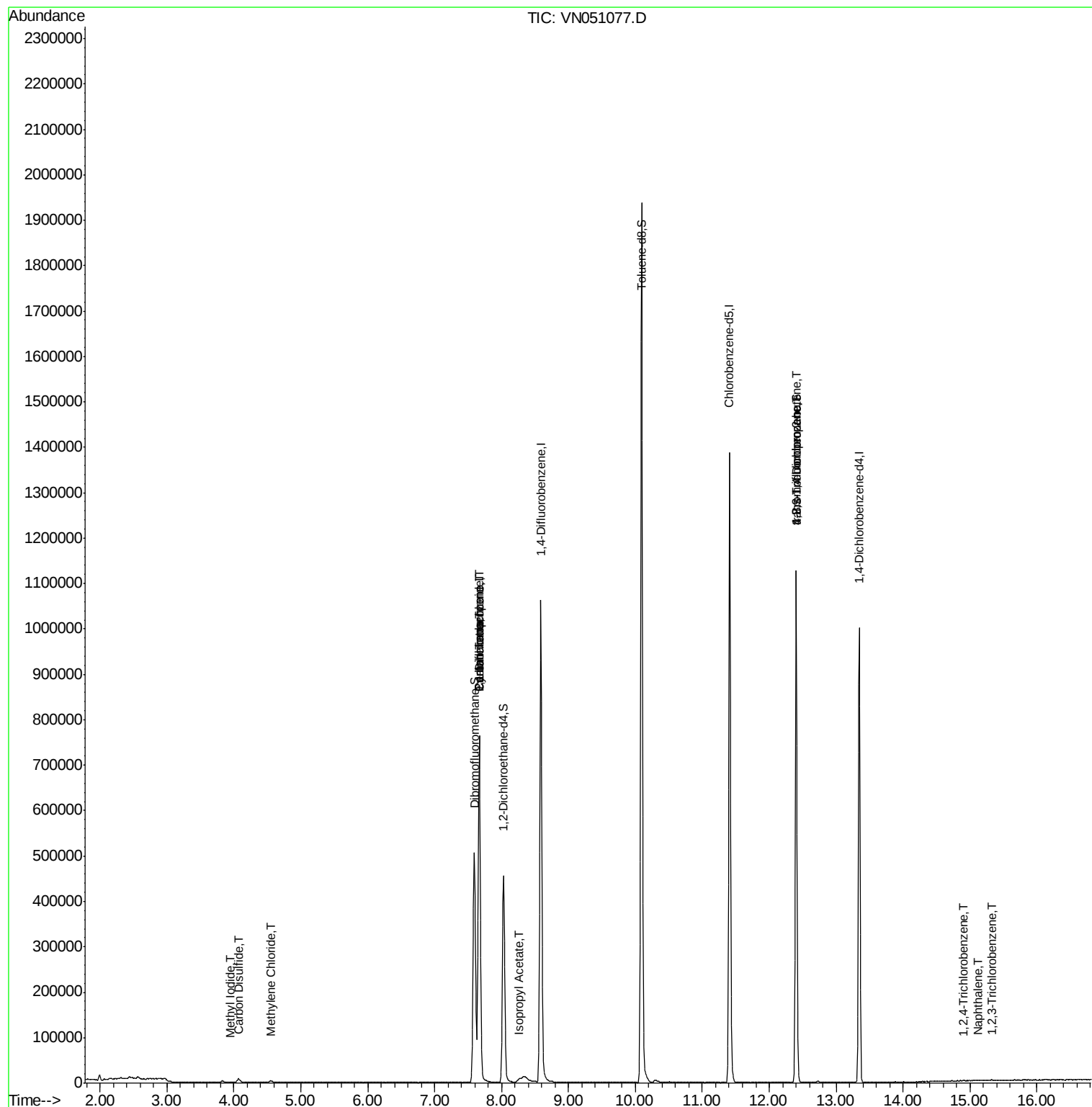
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2980	Below Cal		92
5) Bromomethane	2.57	94	2694	Below Cal		98
10) Methyl Iodide	3.95	142	451	5.69	ug/l #	77
16) Acetone	3.82	43	6676	Below Cal		99
17) Carbon Disulfide	4.06	76	3442	0.27	ug/l #	76
20) Methylene Chloride	4.55	84	3597	0.43	ug/l #	85
31) Cyclohexane	7.66	56	10217	0.60	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42925	3.83	ug/l #	47
38) Carbon Tetrachloride	7.67	117	57778	5.24	ug/l #	16
43) Isopropyl Acetate	8.25	43	2598	0.23	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.40	83	90	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	180800	38.30	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	180800	113.79	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	294	4.03	ug/l #	47
95) Naphthalene	15.14	128	739	5.40	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	153	2.98	ug/l #	77

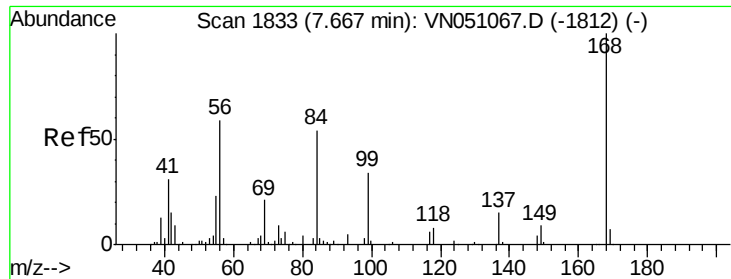
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

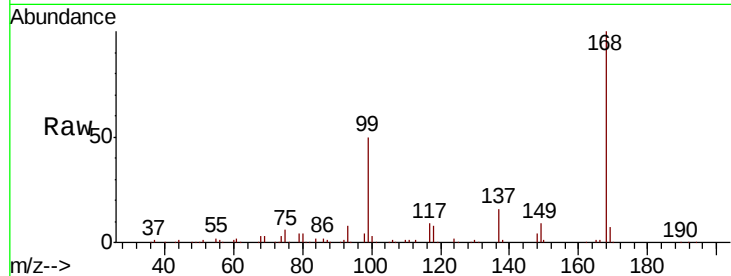
STORAGEBLANK-WATERREF-4

Tot Ion:168 Resp: 676524

Ion Ratio Lower Upper

168 100

99 49.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

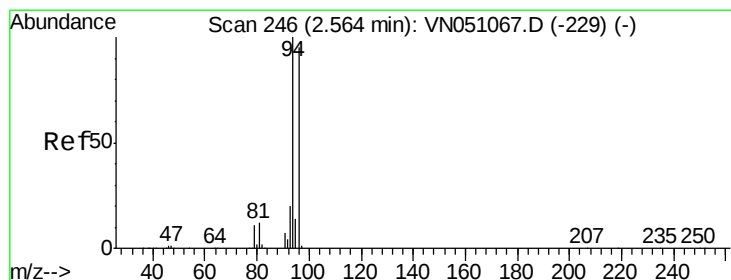
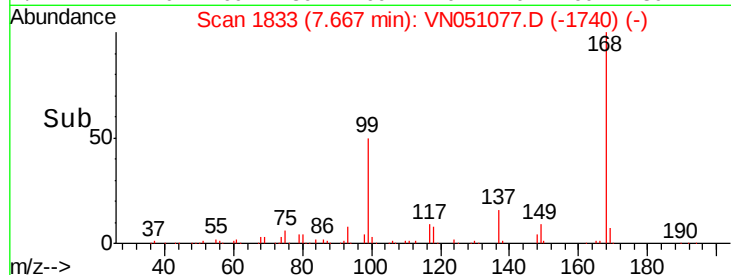
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN051077.D

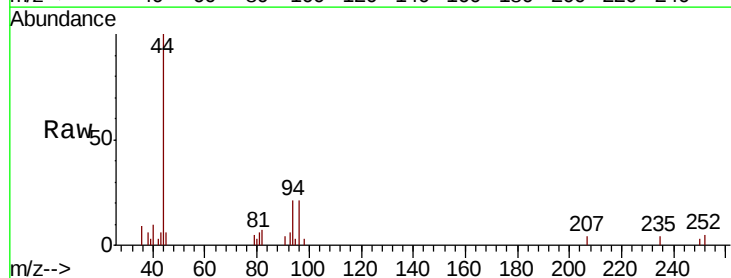
Acq: 10 Sep 2018 14:56

Tgt Ion: 94 Resp: 2694

Ion Ratio Lower Upper

94 100

96 96.9 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

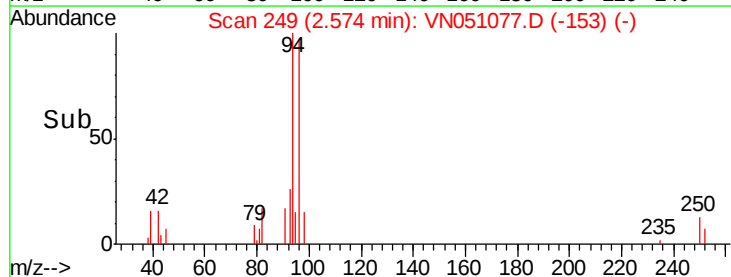
2.57

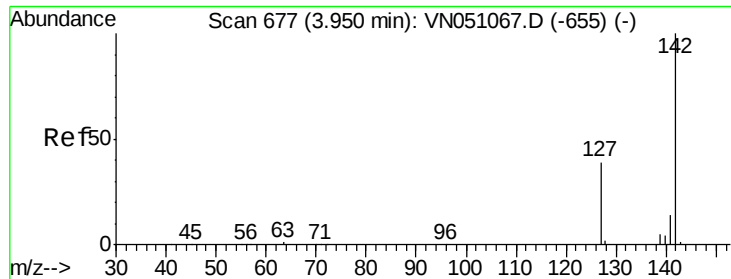
1000

500

0

Time-->

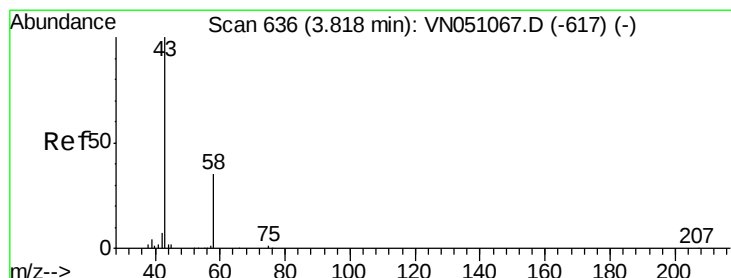
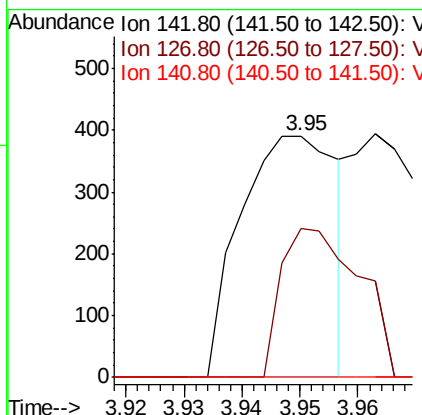
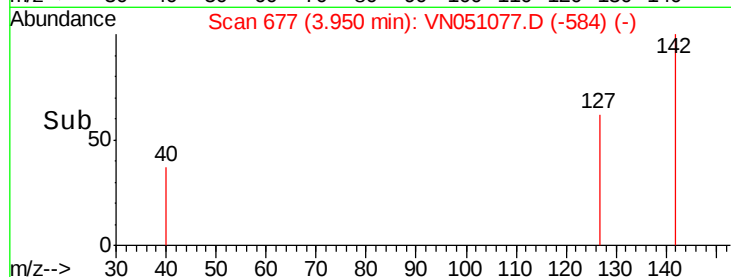
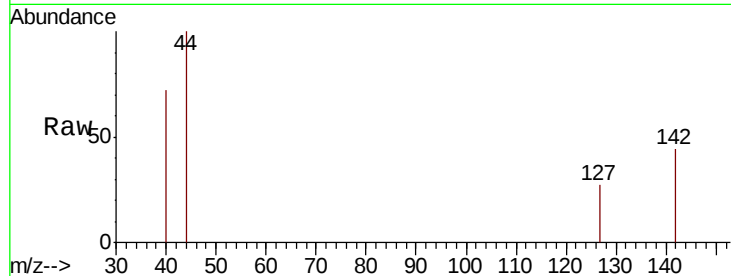




#10
Methvl Iodide
Concen: 5.69 ua/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN051077.D
Acq: 10 Sep 2018 14:56

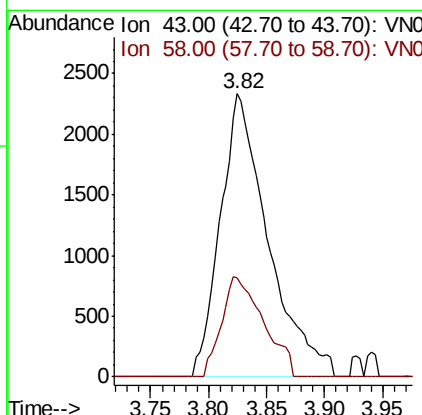
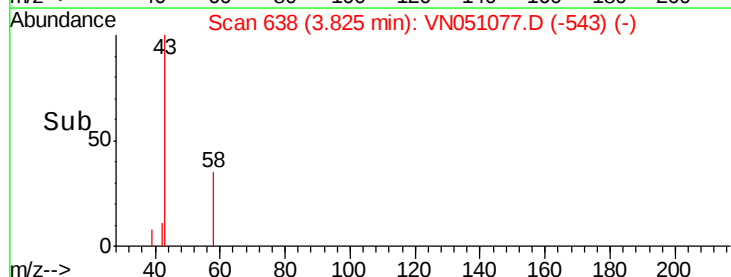
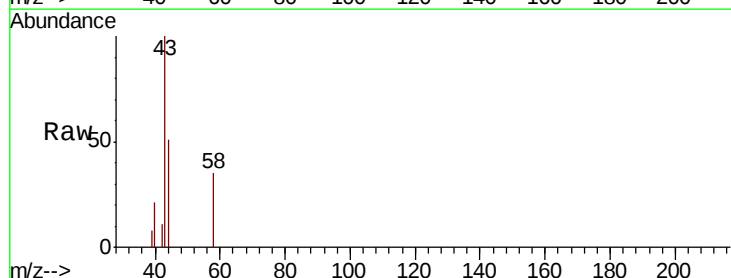
Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-WATERREF-4

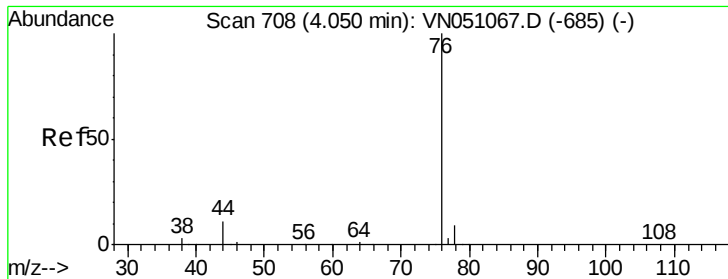
Tot Ion:142 Resp: 451
Ion Ratio Lower Upper
142 100
127 50.3 31.0 46.4#
141 0.0 11.3 16.9#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051077.D
Acq: 10 Sep 2018 14:56

Tgt Ion: 43 Resp: 6676
Ion Ratio Lower Upper
43 100
58 35.1 27.8 41.6





#17

Carbon Disulfide

Concen: 0.27 ug/l

RT: 4.06 min Scan# 712

Delta R.T. 0.01 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

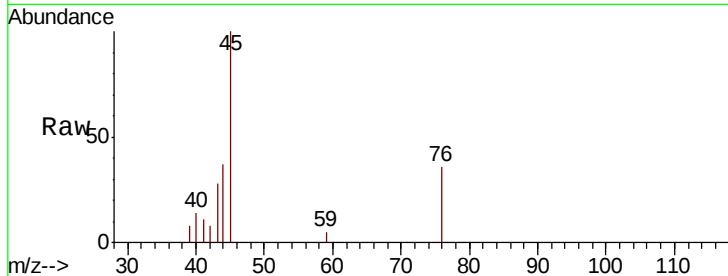
STORAGEBLANK-WATERREF-4

Tot Ion: 76 Resp: 3442

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.06

1500

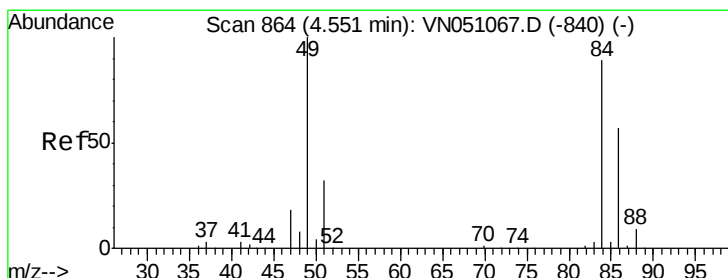
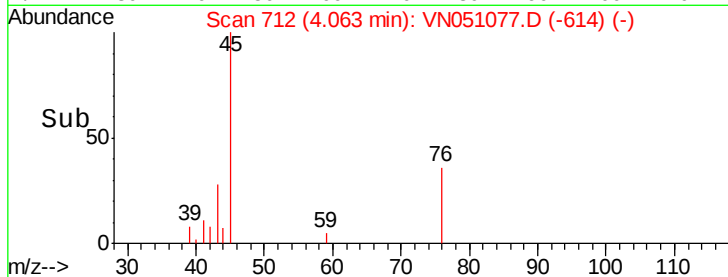
1000

500

0

4.00 4.05 4.10

Time-->



#20

Methylene Chloride

Concen: 0.43 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Tgt Ion: 84 Resp: 3597

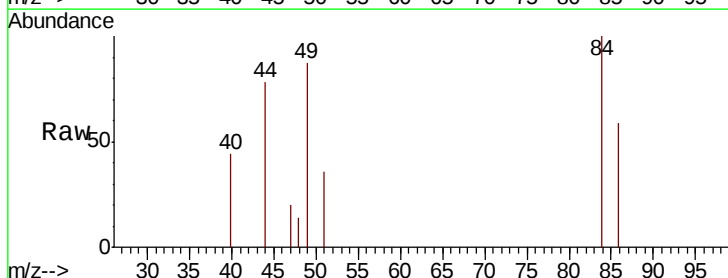
Ion Ratio Lower Upper

84 100

49 87.0 90.2 135.2#

51 36.3 28.4 42.6

86 59.1 51.8 77.8



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

2000

1500

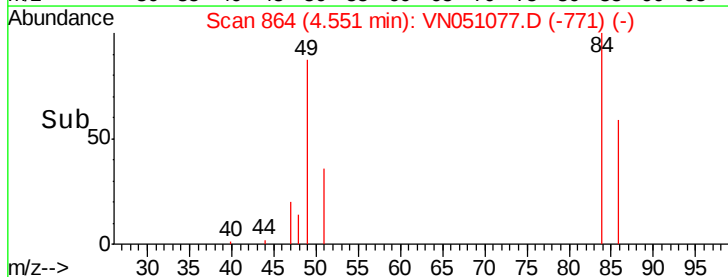
1000

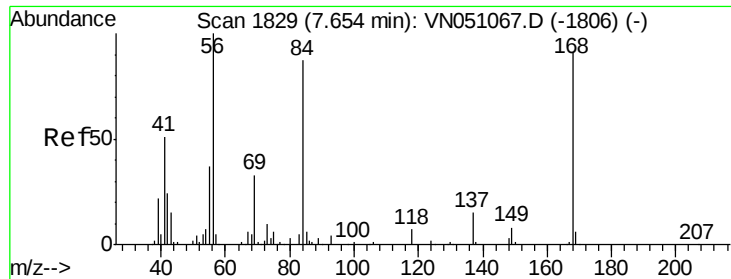
500

0

4.50 4.55 4.60

Time-->

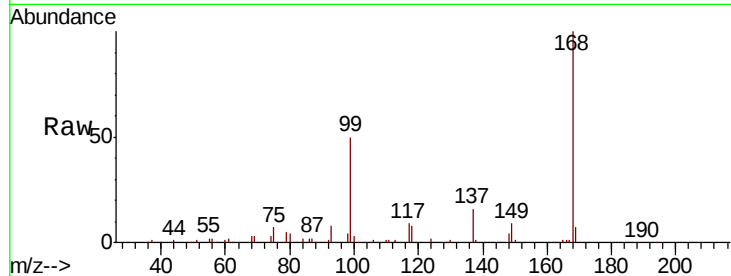




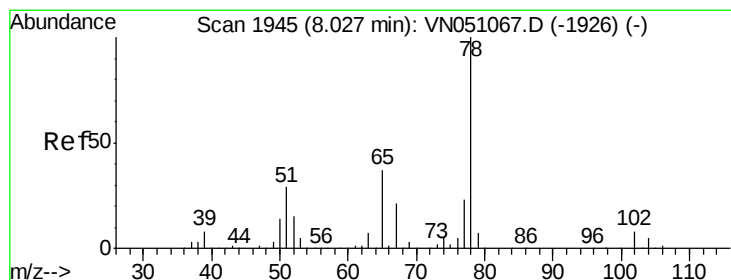
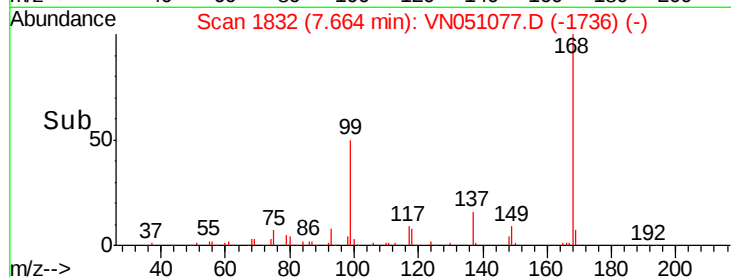
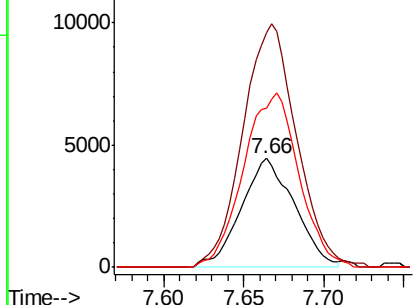
#31
Cyclohexane
Concen: 0.60 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051077.D
Acq: 10 Sep 2018 14:56

Instrument :
MSVOA_N
ClientSampleId :
STORAGEBLANK-WATERREF-4

Tot Ion: 56 Resp: 10217
Ion Ratio Lower Upper
56 100
69 214.6 26.3 39.5#
84 146.1 69.4 104.0#

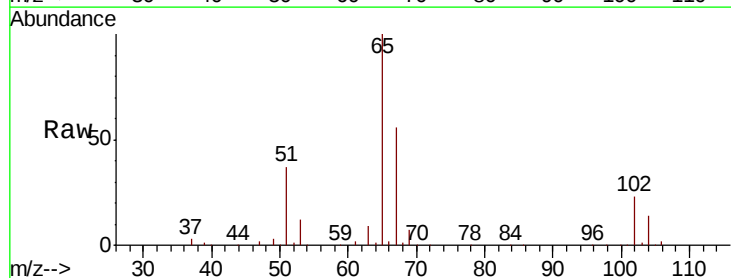


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

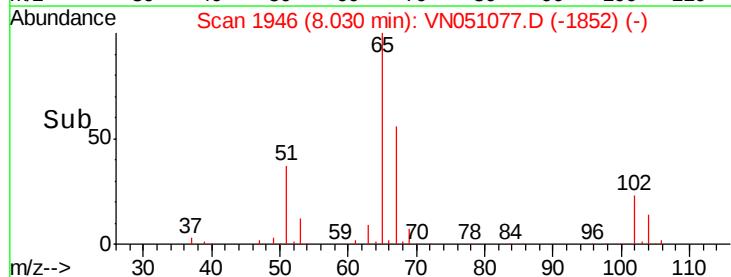
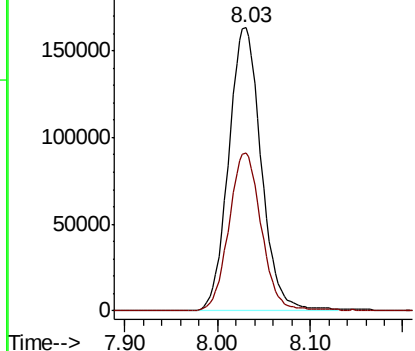


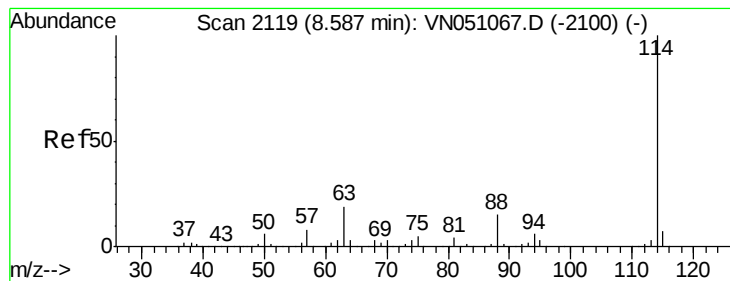
#33
1,2-Dichloroethane-d4
Concen: 52.89 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN051077.D
Acq: 10 Sep 2018 14:56

Tgt Ion: 65 Resp: 398217
Ion Ratio Lower Upper
65 100
67 55.4 0.0 112.0



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# 2119

Delta R.T. -0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

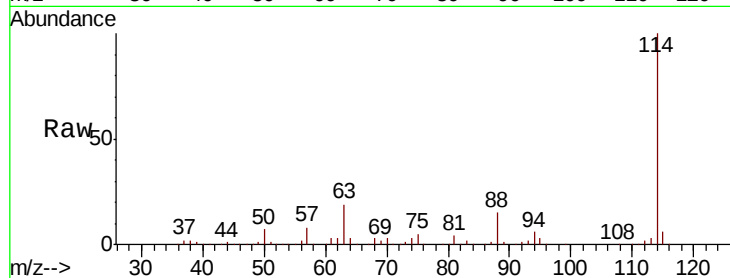
Tot Ion:114 Resp: 1020156

Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.8

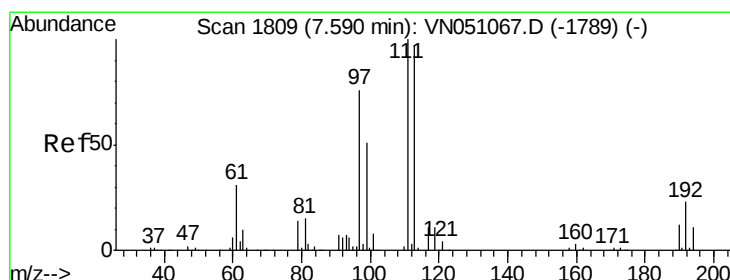
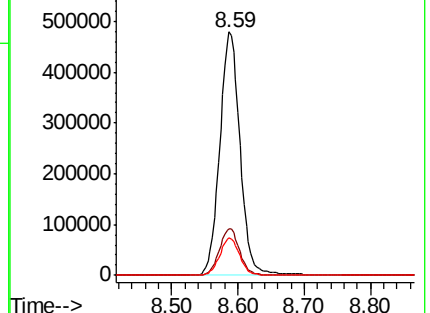
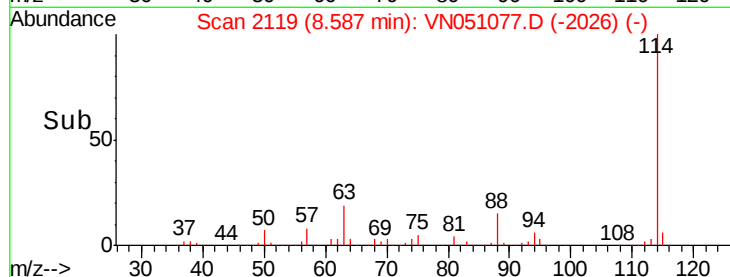
88 15.4 0.0 30.8



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: 51.68 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

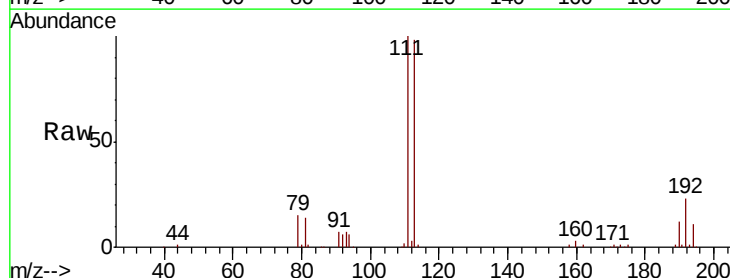
Tgt Ion:113 Resp: 396177

Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.6

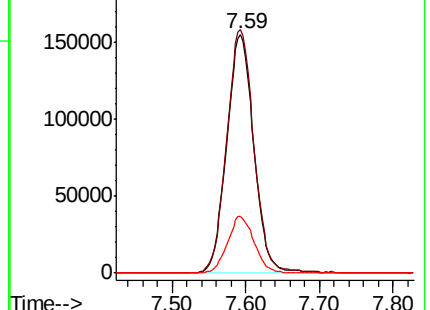
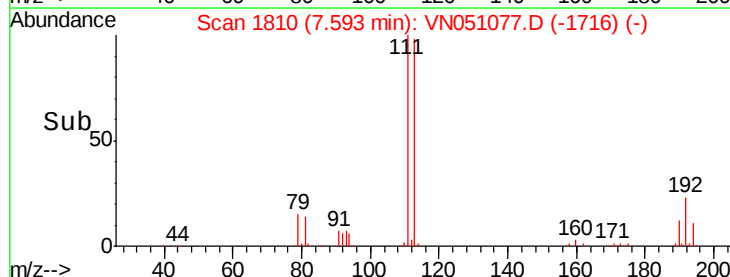
192 23.3 18.7 28.1

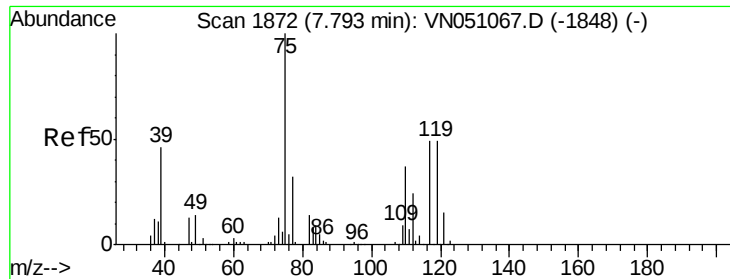


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

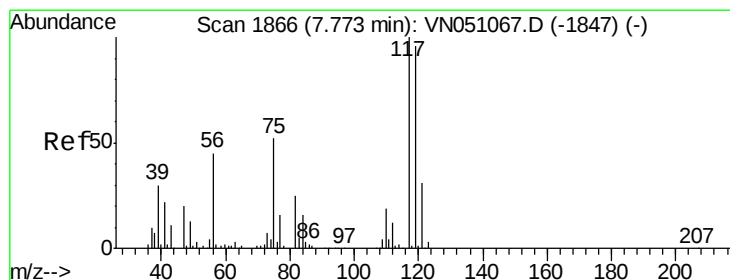
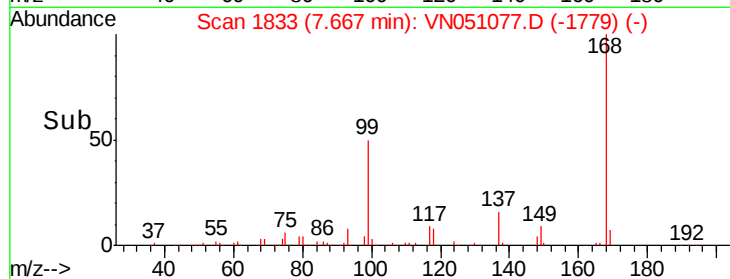
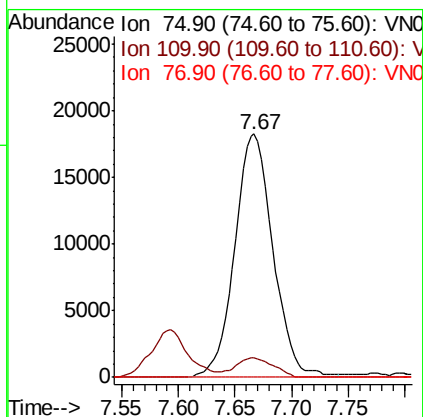
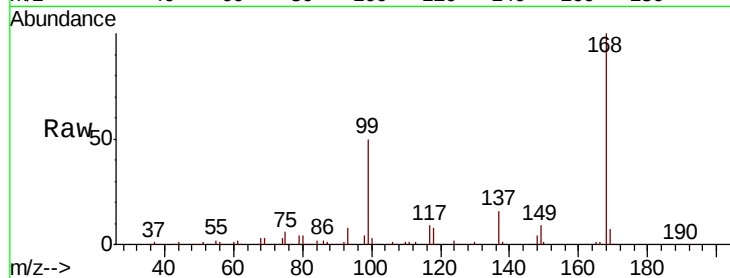




#36
 1,1-Dichloropropene
 Concen: 3.83 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051077.D
 Acq: 10 Sep 2018 14:56

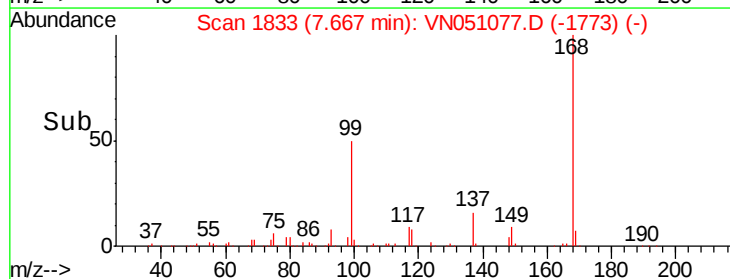
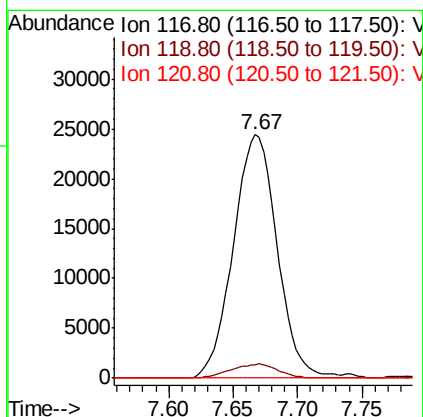
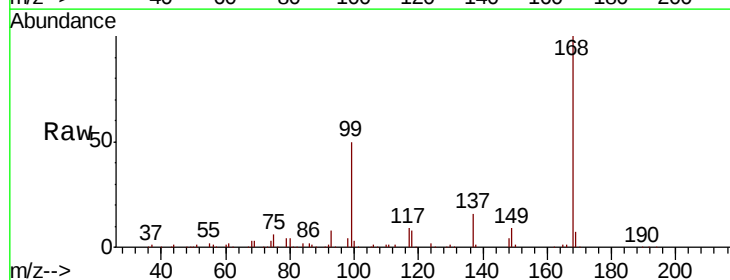
Instrument :
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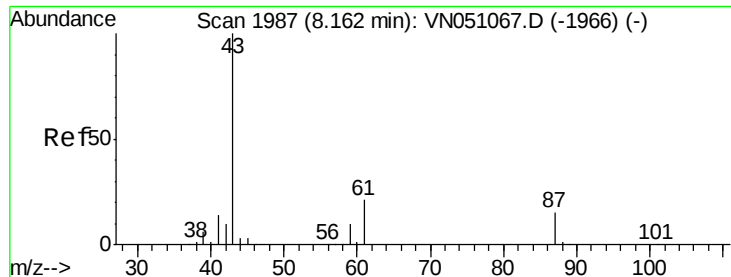
Tot Ion	75	Resp	42925
Ion Ratio	100	Lower	Upper
75	100		
110	7.7	18.6	55.8#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.24 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN051077.D
 Acq: 10 Sep 2018 14:56

Tgt Ion	117	Resp	57778
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.6	76.8	115.2#
121	0.0	24.6	36.8#





#43

Isopropyl Acetate

Concen: 0.23 ug/l

RT: 8.25 min Scan# 2013

Delta R.T. 0.08 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

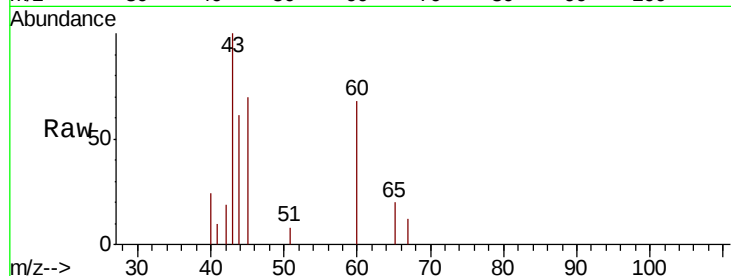
Tot Ion: 43 Resp: 2598

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

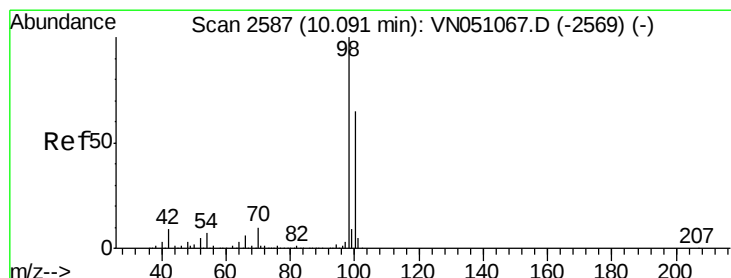
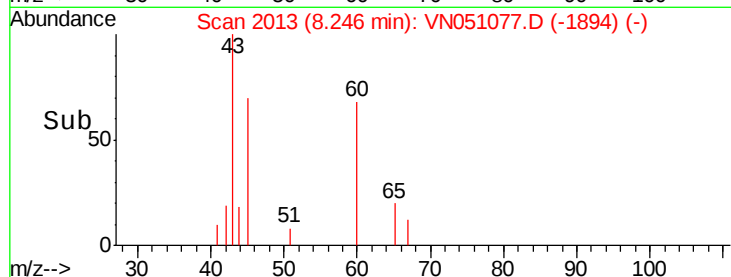
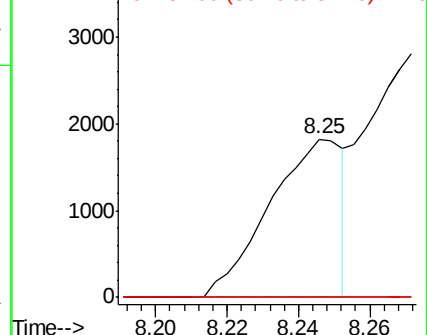
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.11 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051077.D

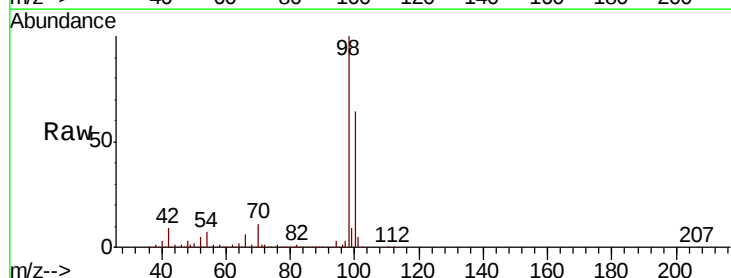
Acq: 10 Sep 2018 14:56

Tgt Ion: 98 Resp: 1428614

Ion Ratio Lower Upper

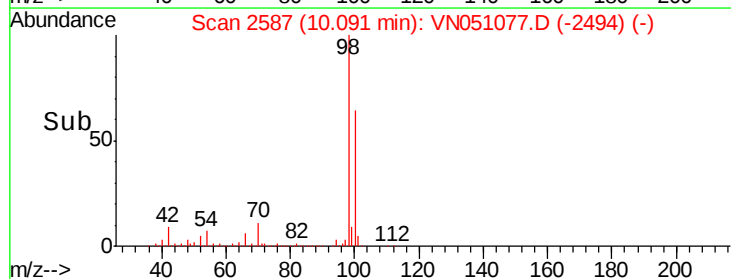
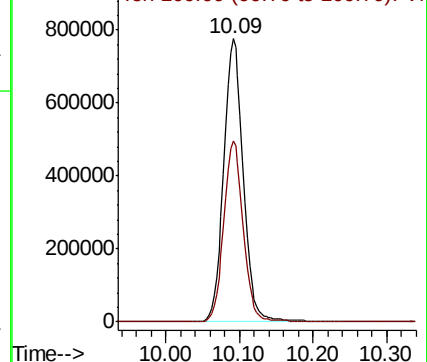
98 100

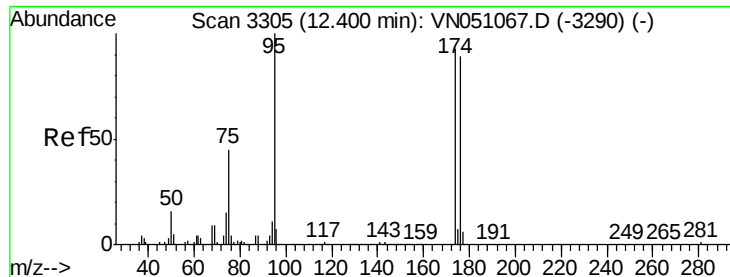
100 63.9 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 40.89 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

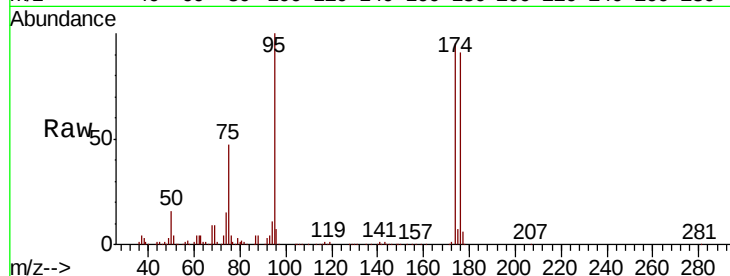
Tot Ion: 95 Resp: 393455

Ion Ratio Lower Upper

95 100

174 93.8 0.0 184.8

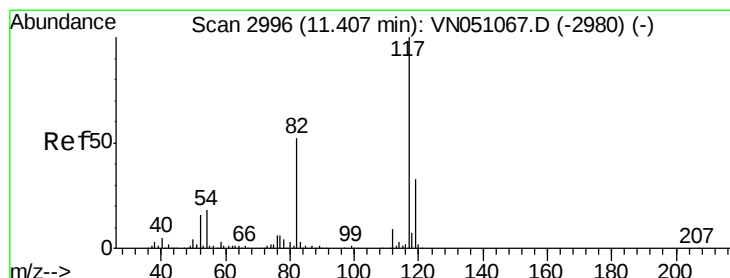
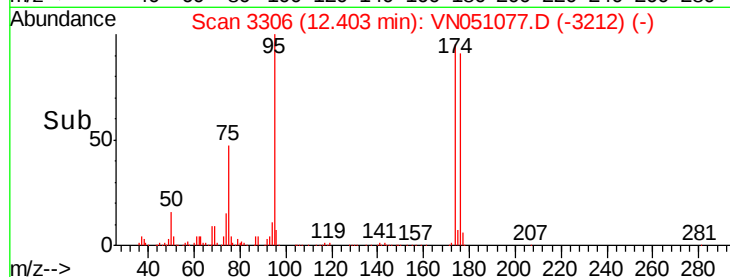
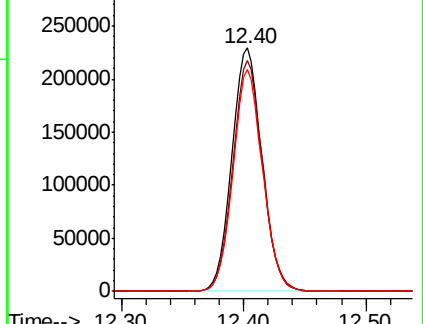
176 89.5 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VN051067.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051067.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051067.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

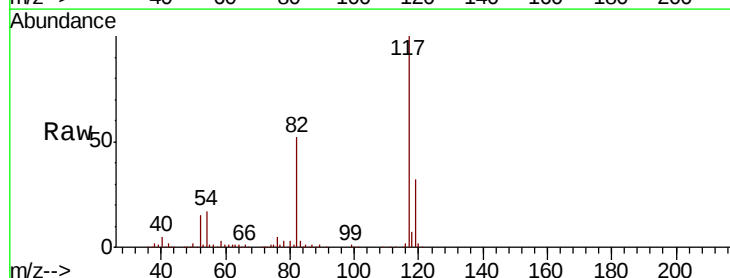
Tgt Ion: 117 Resp: 891274

Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.6

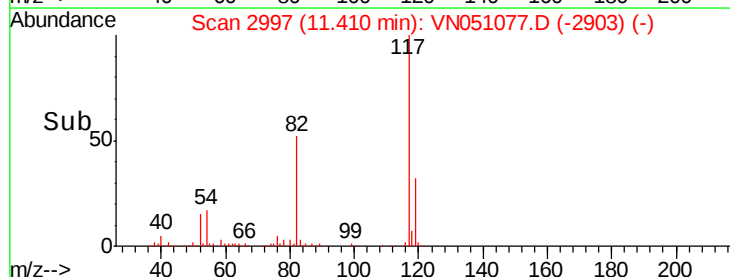
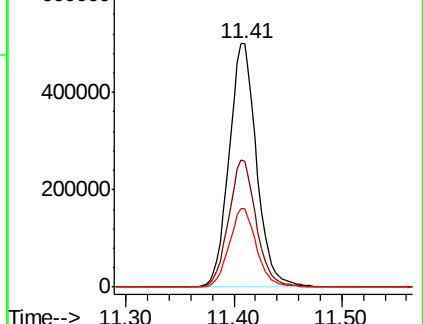
119 32.0 26.2 39.2

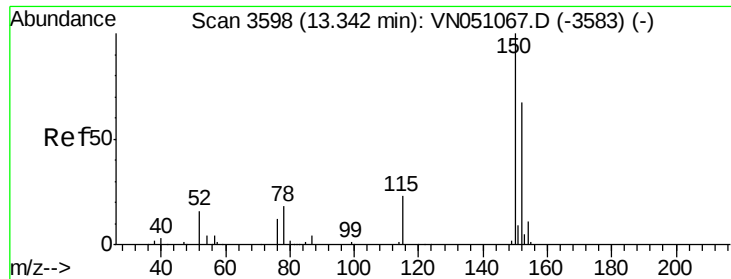


Abundance Ion 116.90 (116.60 to 117.60): VN051067.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051067.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051067.D (-2980) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

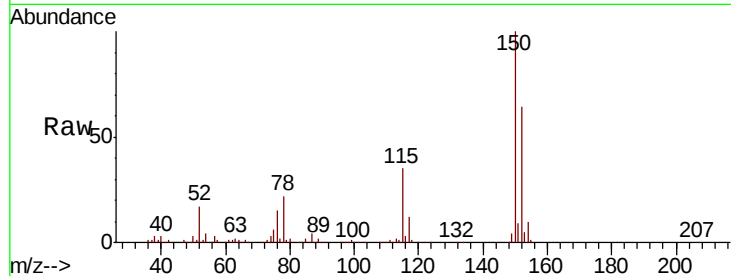
Tot Ion:152 Resp: 301753

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.7

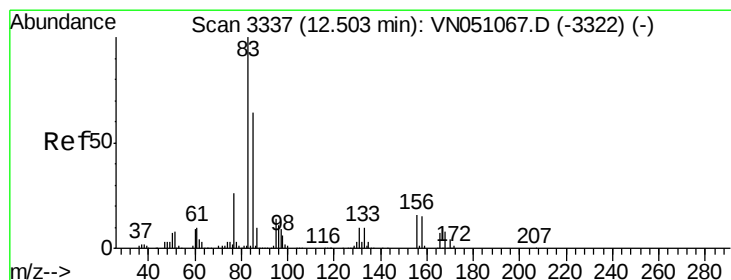
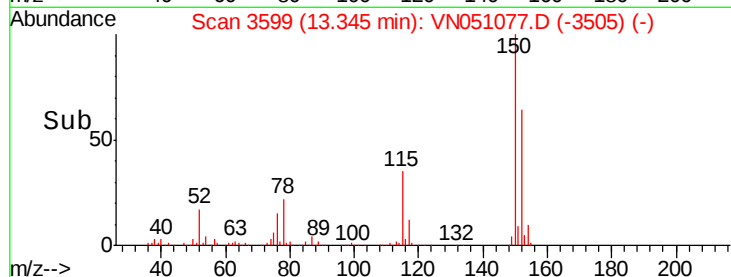
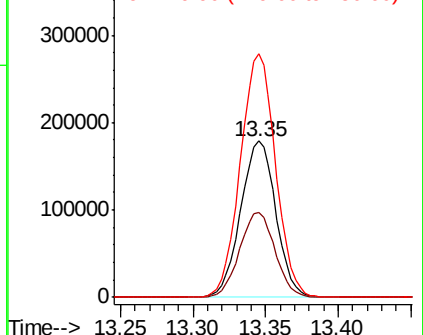
150 155.3 0.0 349.0



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: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

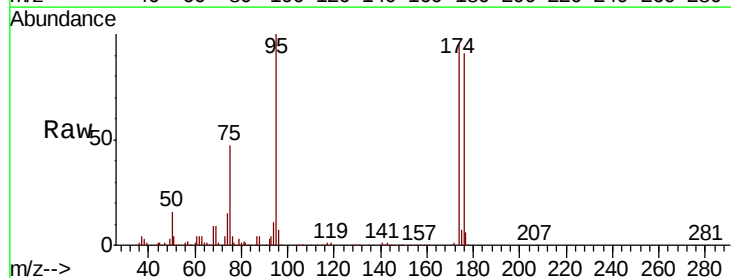
Tgt Ion: 83 Resp: 90

Ion Ratio Lower Upper

83 100

131 425.6 5.3 16.1#

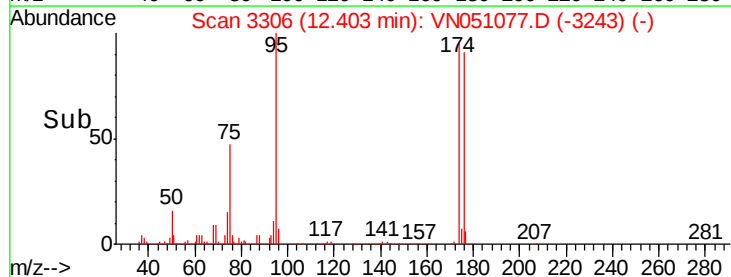
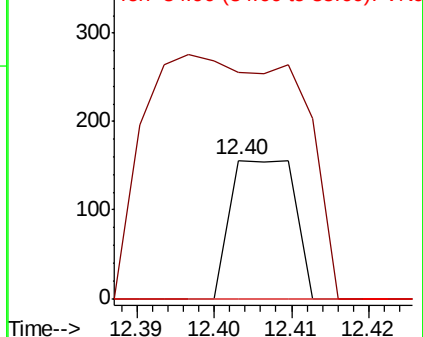
85 0.0 32.3 96.8#

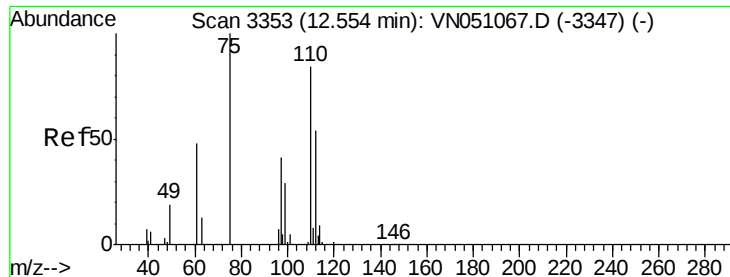


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 38.30 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

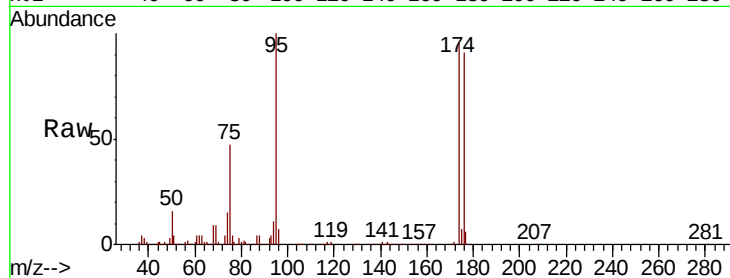
STORAGEBLANK-WATERREF-4

Tot Ion: 75 Resp: 180800

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

120000

100000

80000

60000

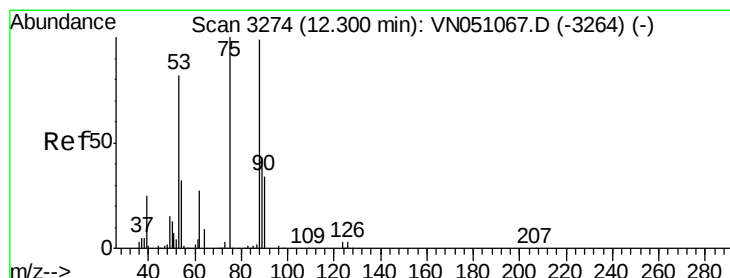
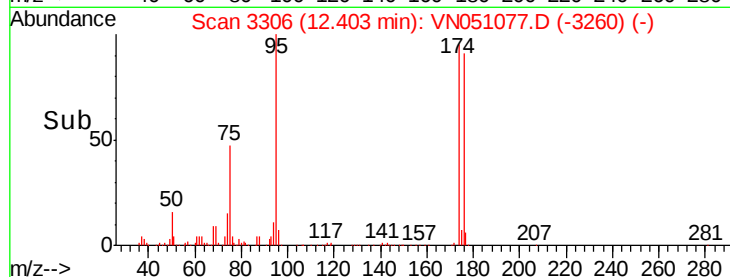
40000

20000

0

Time-->

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 113.79 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

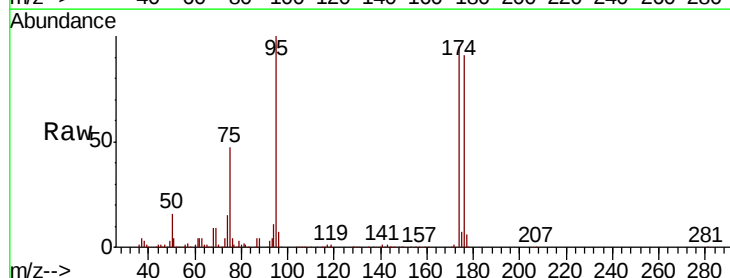
Tgt Ion: 75 Resp: 180800

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

150000

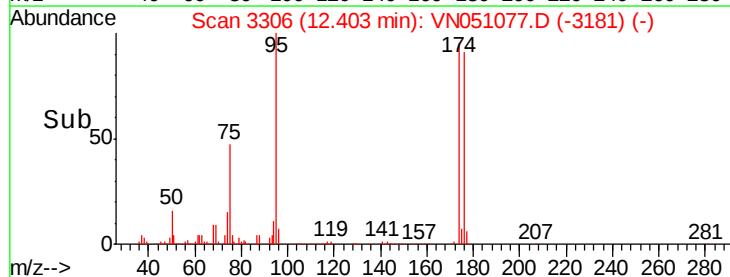
100000

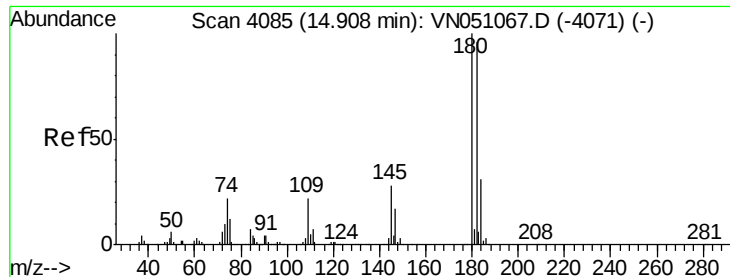
50000

0

Time-->

12.35 12.40 12.45





#93

1,2,4-Trichlorobenzene

Concen: 4.03 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

Instrument :

MSVOA_N

ClientSampleId :

STORAGEBLANK-WATERREF-4

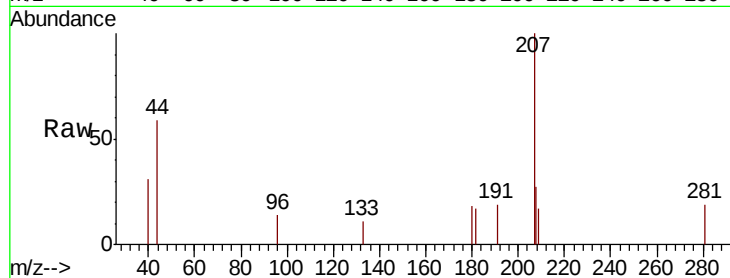
Tot Ion:180 Resp: 294

Ion Ratio Lower Upper

180 100

182 145.2 47.3 141.8#

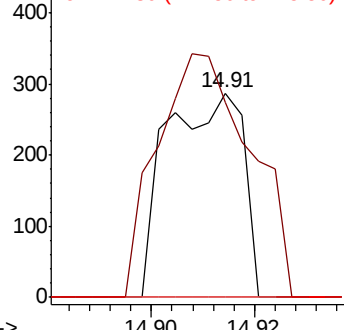
145 0.0 14.2 42.6#



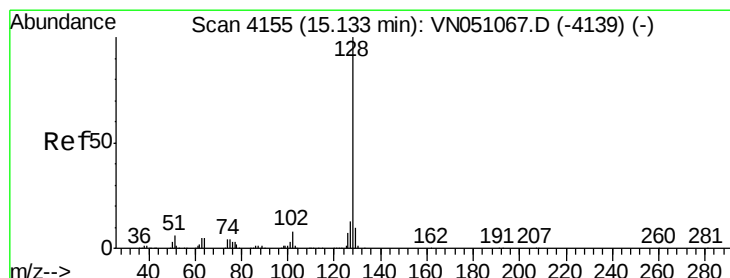
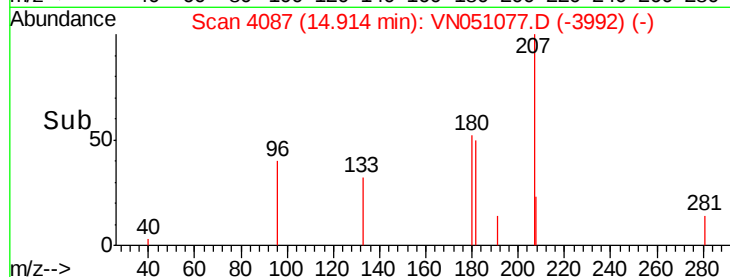
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#95

Naphthalene

Concen: 5.40 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN051077.D

Acq: 10 Sep 2018 14:56

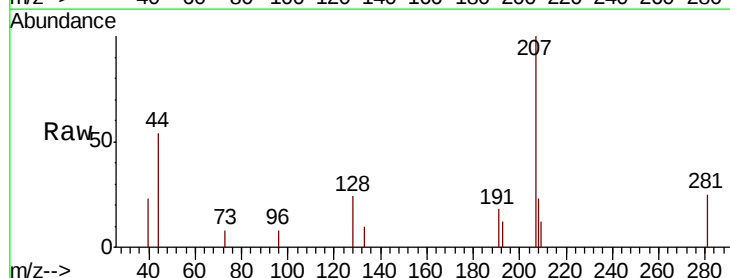
Tgt Ion:128 Resp: 739

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

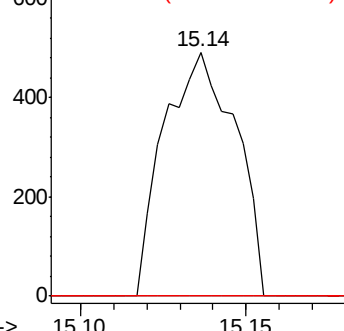
129 0.0 8.6 12.8#



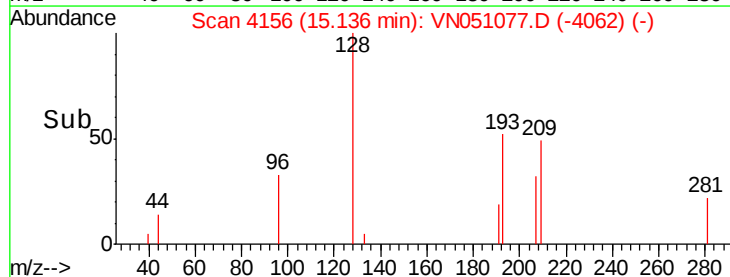
Abundance Ion 128.00 (127.70 to 128.70): V

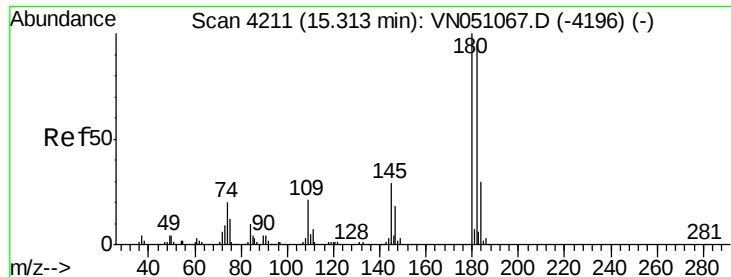
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->

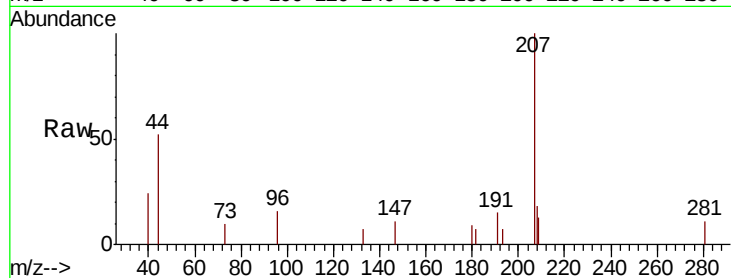




#96
 1,2,3-Trichlorobenzene
 Concen: 2.98 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN051077.D
 Acq: 10 Sep 2018 14:56

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGEBLANK-WATERREF-4

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.5	47.8	143.3
145	0.0	14.6	43.8



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

