

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054093.D
 Acq On : 5 Mar 2019 12:34
 Operator : JC/SP
 Sample : K1727-09
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Mar 06 02:18:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	573572	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1054036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1035536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360369	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	364689	54.24	ug/l	0.00
Spiked Amount			Recovery	=	108.48%	
35) Dibromofluoromethane	7.59	113	343108	50.34	ug/l	0.00
Spiked Amount			Recovery	=	100.68%	
50) Toluene-d8	10.09	98	1341792	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	
62) 4-Bromofluorobenzene	12.40	95	438540	51.88	ug/l	0.00
Spiked Amount			Recovery	=	103.76%	

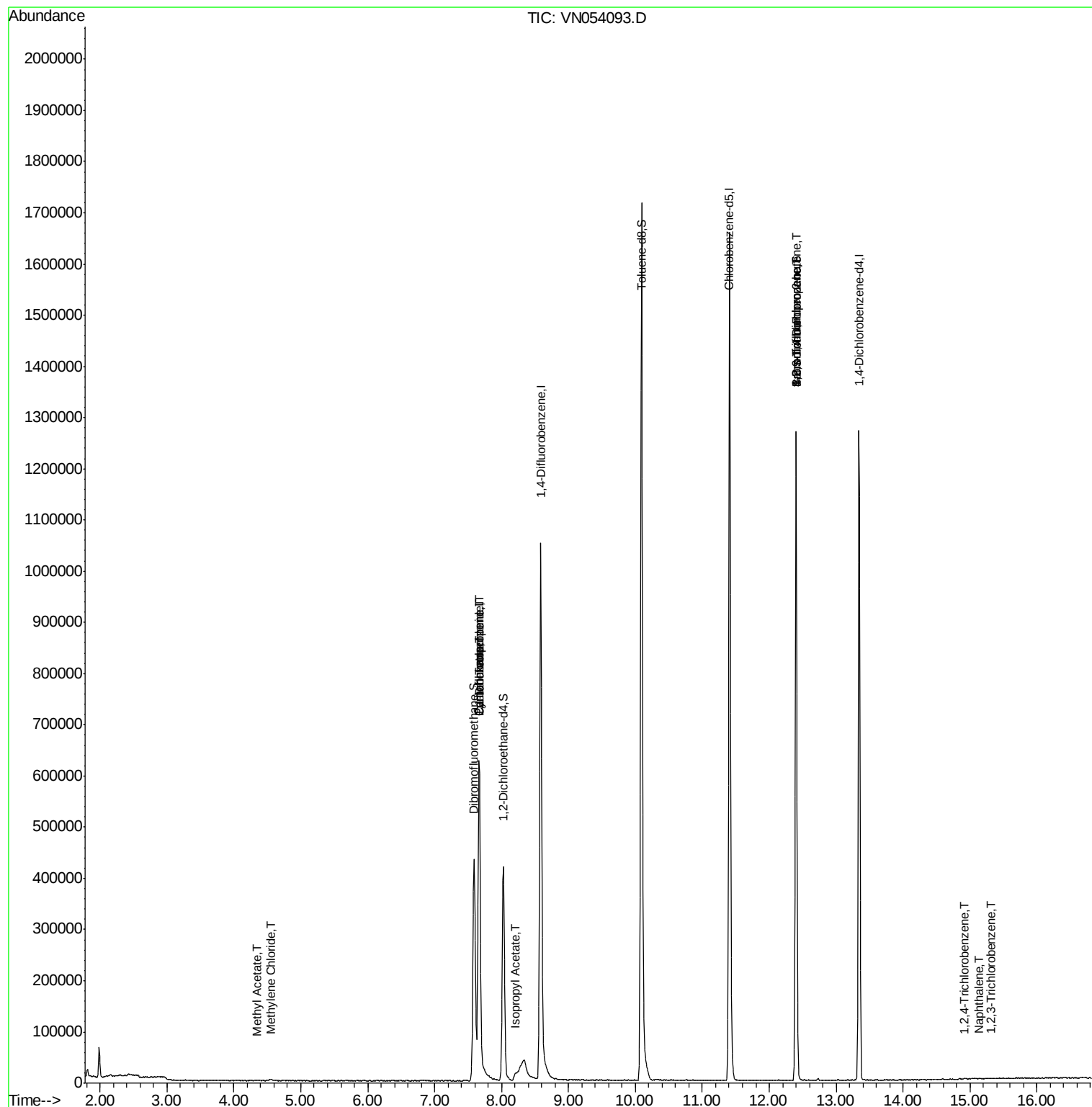
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	550	Below Cal		89
18) Methyl Acetate	4.34	43	2625	0.558	ug/l #	54
20) Methylene Chloride	4.55	84	2236	0.336	ug/l	96
31) Cyclohexane	7.67	56	10478	0.569	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	39573	4.037	ug/l #	47
38) Carbon Tetrachloride	7.66	117	49771	4.882	ug/l #	16
43) Isopropyl Acetate	8.20	43	7265	0.615	ug/l #	58
71) Bromoform	12.40	173	3722	0.679	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	212887	36.826	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	212887	116.392	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.92	180	189	2.250	ug/l #	52
95) Naphthalene	15.14	128	727	3.259	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.31	180	377	1.615	ug/l #	59

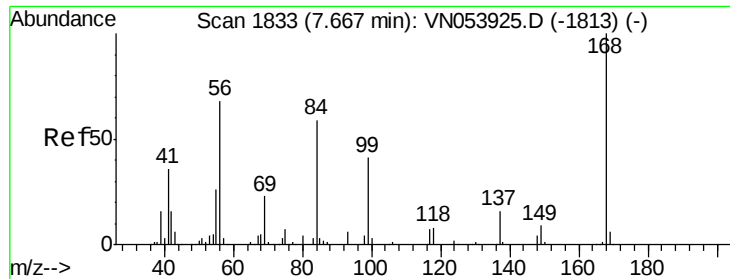
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN054093.D

Acq: 5 Mar 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

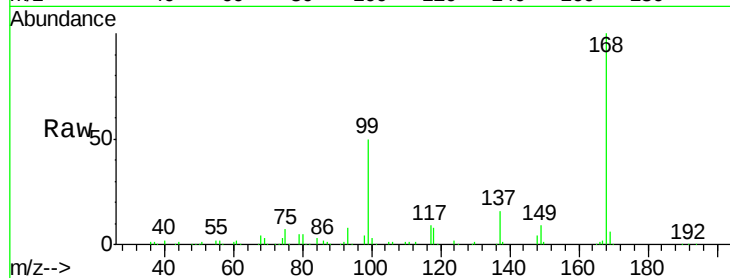
TRIP-BLANK

Tot Ion:168 Resp: 573572

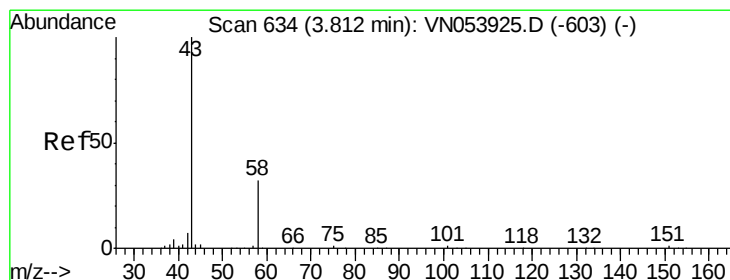
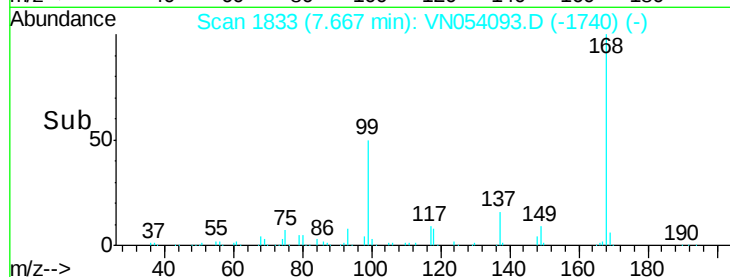
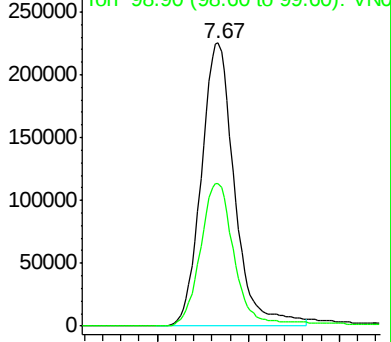
Ion Ratio Lower Upper

168 100

99 50.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN054093.D (-1740) (-)



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN054093.D

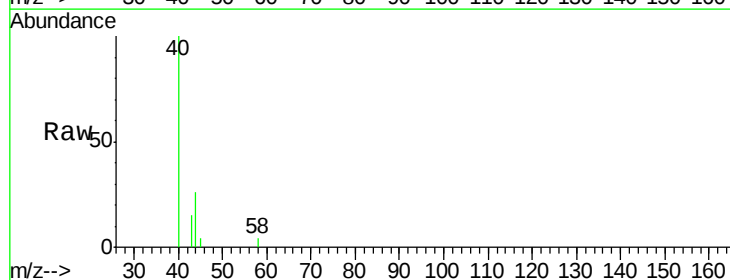
Acq: 5 Mar 2019 12:34

Tgt Ion: 43 Resp: 550

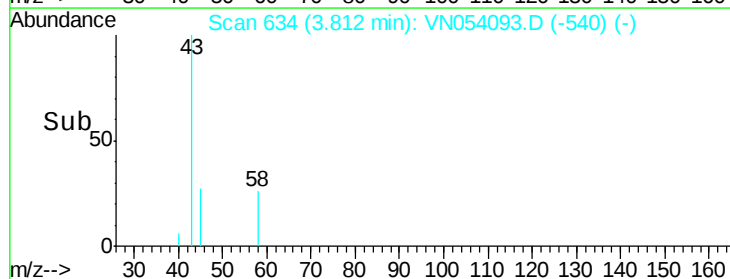
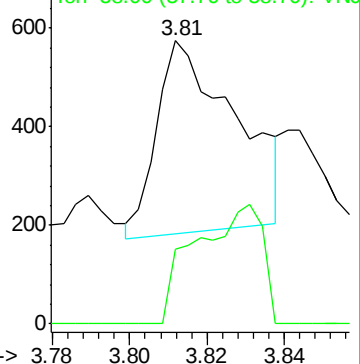
Ion Ratio Lower Upper

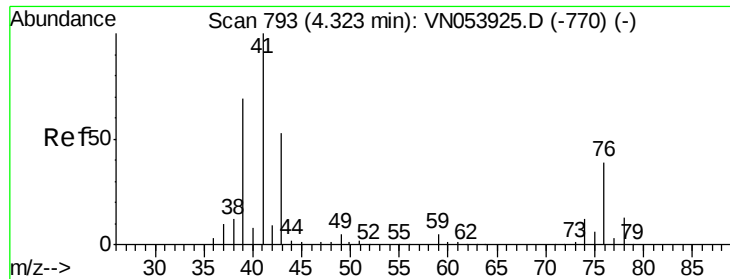
43 100

58 41.0 27.6 41.4



Abundance Ion 43.00 (42.70 to 43.70): VN054093.D (-540) (-)

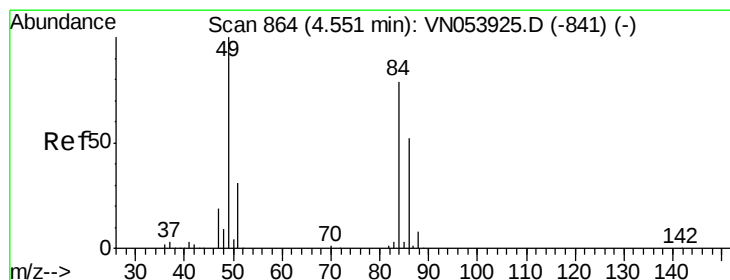
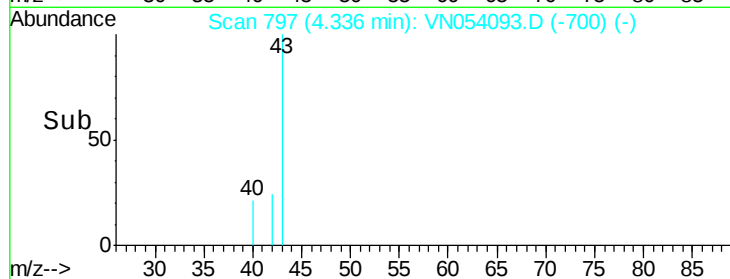
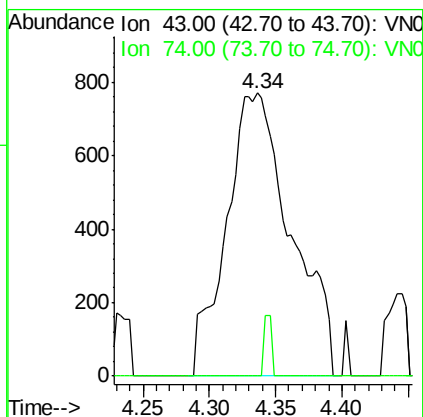
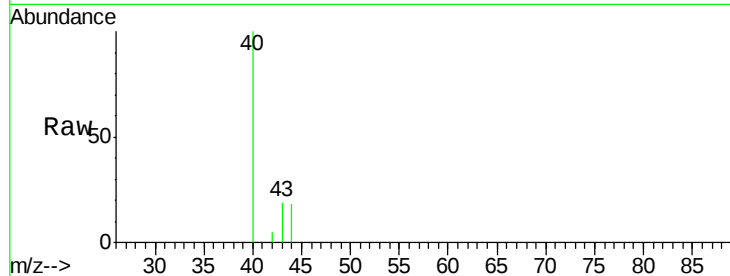




#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN054093.D
Acq: 5 Mar 2019 12:34

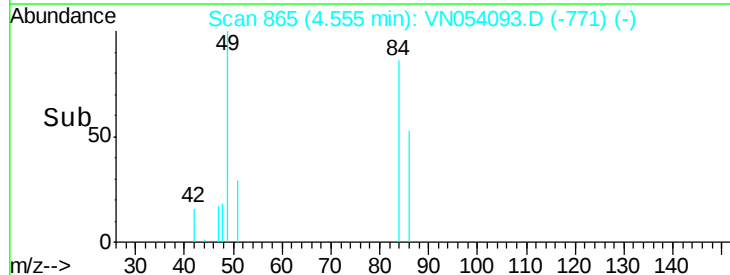
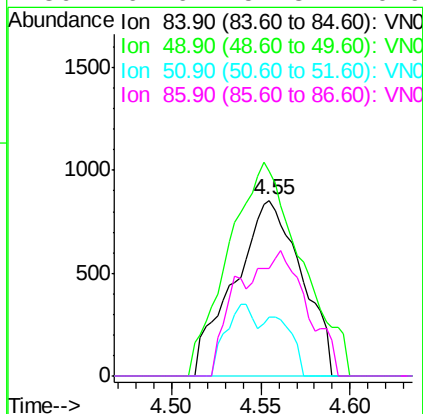
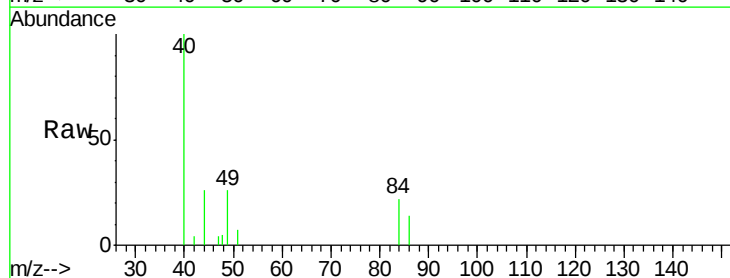
Instrument :
MSVOA_N
ClientSampled :
TRIP-BLANK

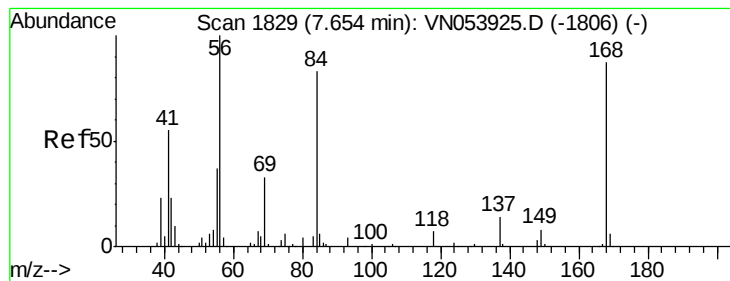
Tot Ion: 43 Resp: 2625
Ion Ratio Lower Upper
43 100
74 2.4 20.5 30.7#



#20
Methylene Chloride
Concen: 0.336 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN054093.D
Acq: 5 Mar 2019 12:34

Tgt Ion: 84 Resp: 2236
Ion Ratio Lower Upper
84 100
49 116.6 89.7 134.5
51 33.5 27.8 41.8
86 61.6 51.3 76.9





#31

Cyclohexane

Concen: 0.569 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

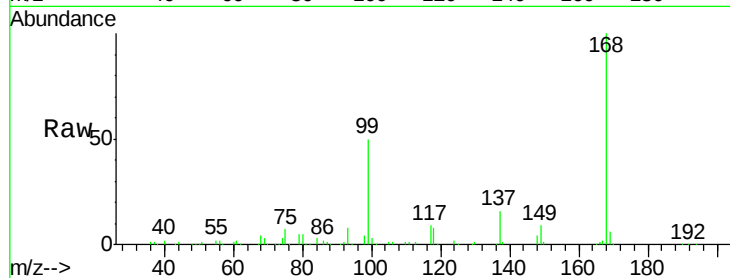
Tot Ion: 56 Resp: 10478

Ion Ratio Lower Upper

56 100

69 182.5 26.0 39.0#

84 141.5 69.1 103.7#

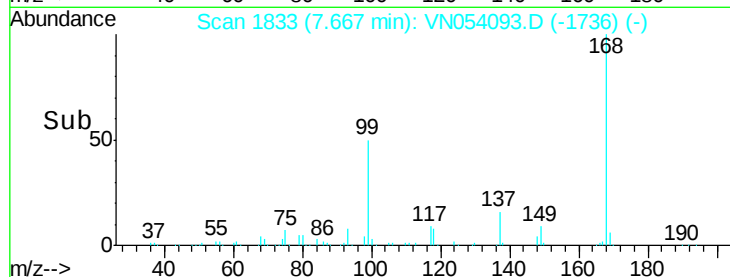


Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN053925.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN053925.D (-1806) (-)

Time-->

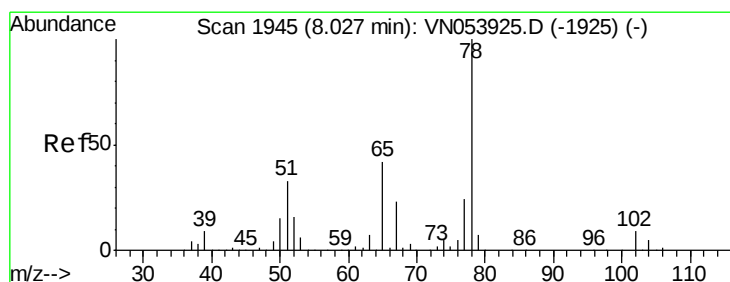


Abundance Ion 56.00 (55.70 to 56.70): VN054093.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN054093.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN054093.D (-1736) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 54.241 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054093.D

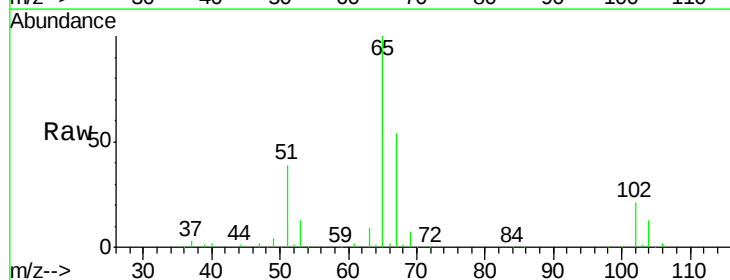
Acq: 5 Mar 2019 12:34

Tgt Ion: 65 Resp: 364689

Ion Ratio Lower Upper

65 100

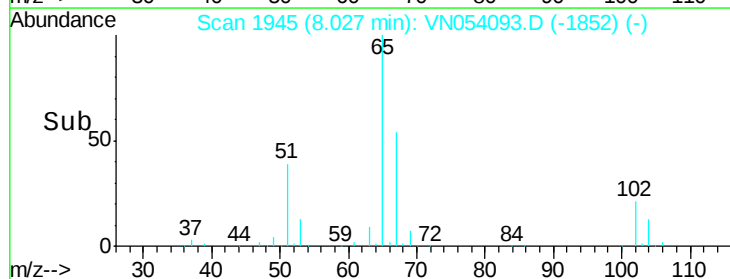
67 54.4 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053925.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053925.D (-1925) (-)

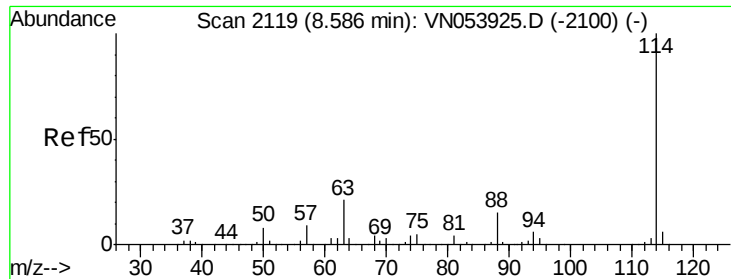
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN054093.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN054093.D (-1852) (-)

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

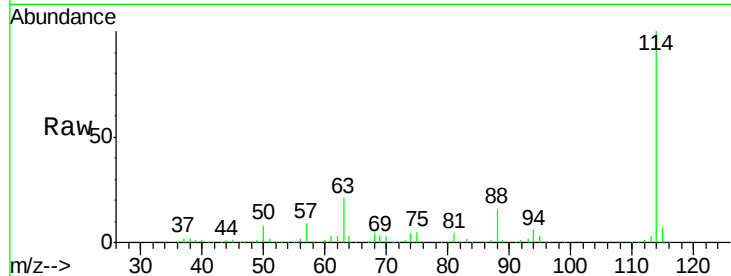
Tot Ion:114 Resp: 1054036

Ion Ratio Lower Upper

114 100

63 20.6 0.0 37.4

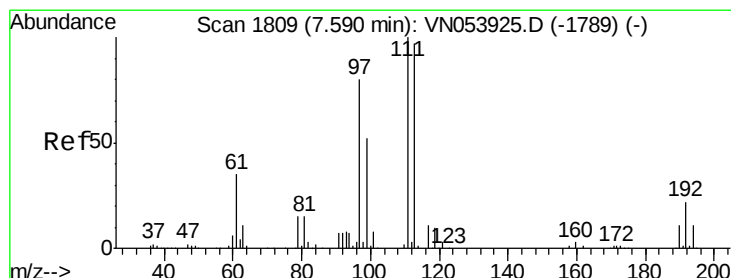
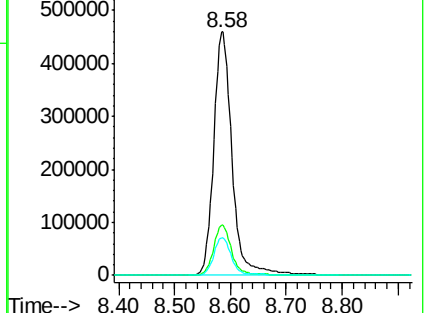
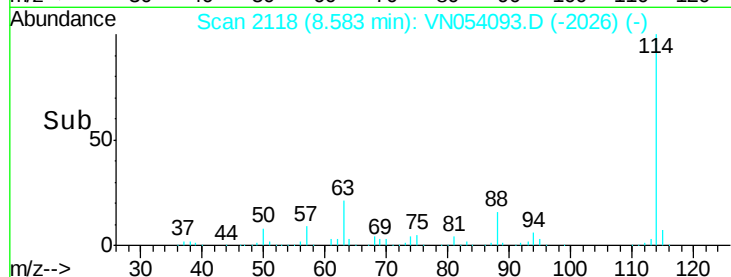
88 15.7 0.0 30.4



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: 50.339 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

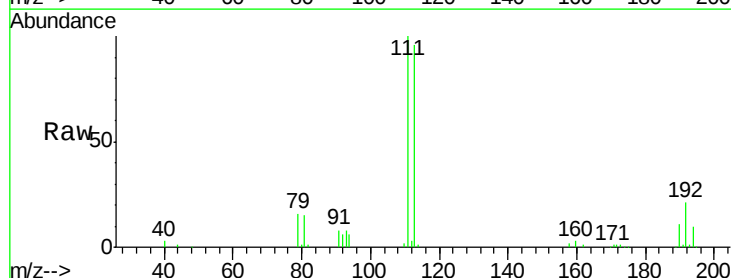
Tgt Ion:113 Resp: 343108

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

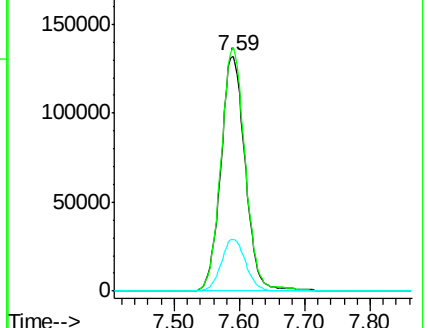
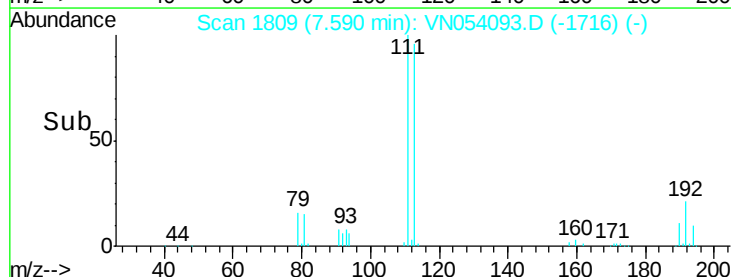
192 22.0 18.8 28.2

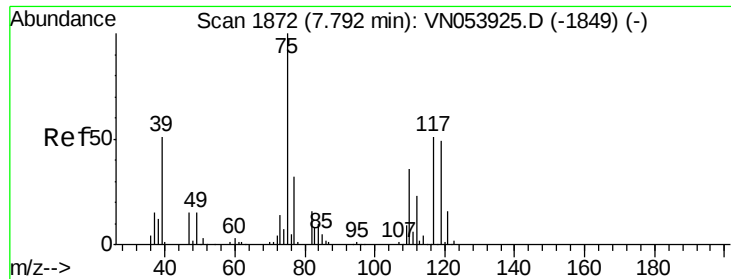


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

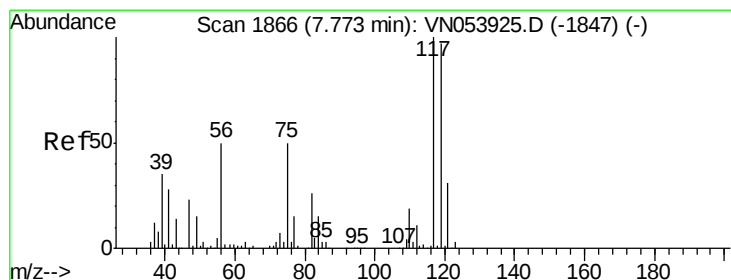
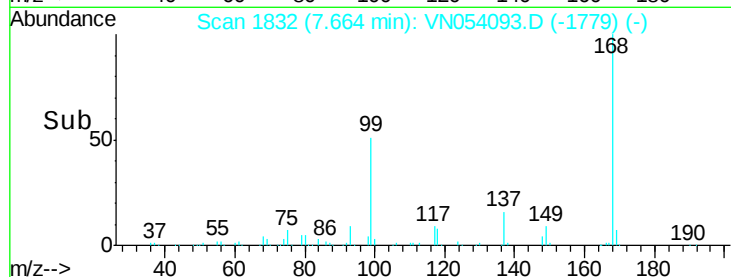
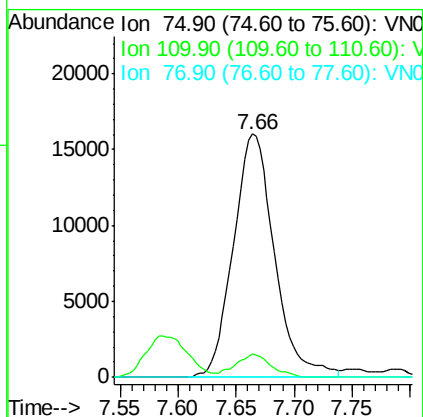
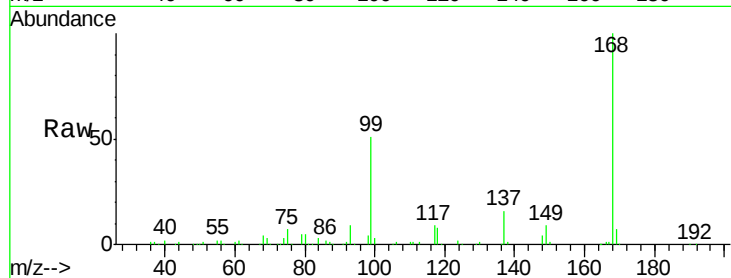




#36
 1,1-Dichloropropene
 Concen: 4.037 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054093.D
 Acq: 5 Mar 2019 12:34

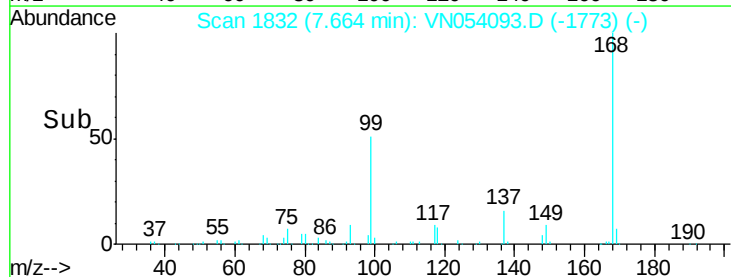
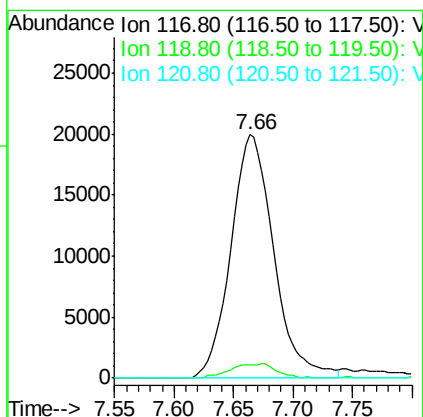
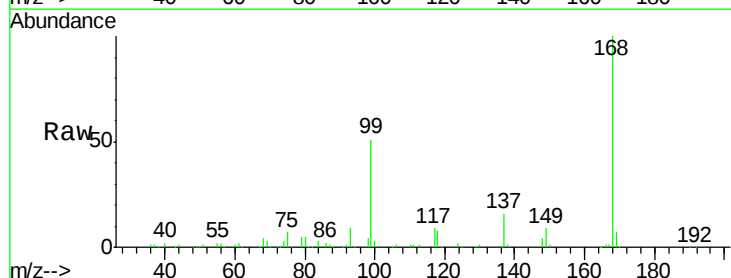
Instrument :
 MSVOA_N
 ClientSampleId :
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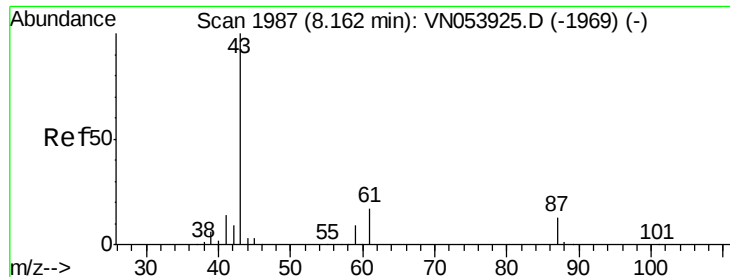
Tot Ion: 75 Resp: 39573
 Ion Ratio Lower Upper
 75 100
 110 8.2 19.0 57.0#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 4.882 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN054093.D
 Acq: 5 Mar 2019 12:34

Tgt Ion: 117 Resp: 49771
 Ion Ratio Lower Upper
 117 100
 119 5.4 76.2 114.2#
 121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 0.615 ug/l

RT: 8.20 min Scan# 1999

Delta R.T. 0.04 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

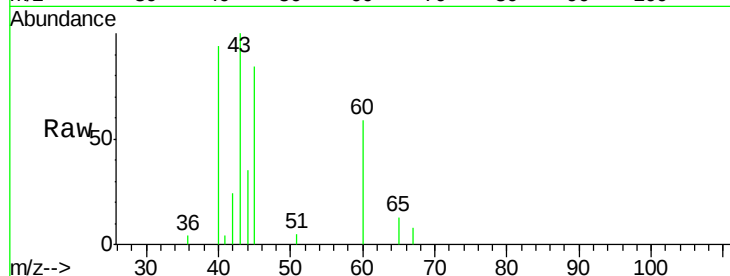
Tot Ion: 43 Resp: 7265

Ion Ratio Lower Upper

43 100

61 0.0 17.4 26.0#

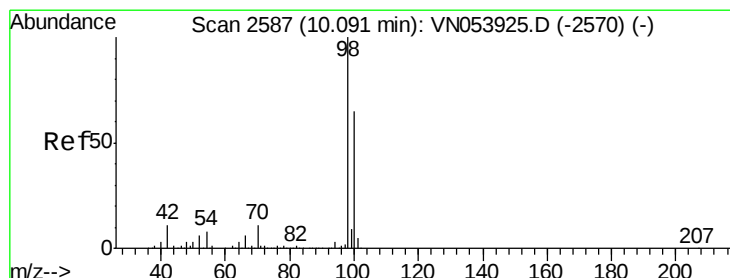
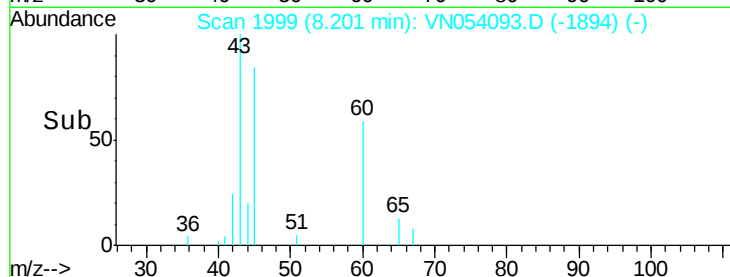
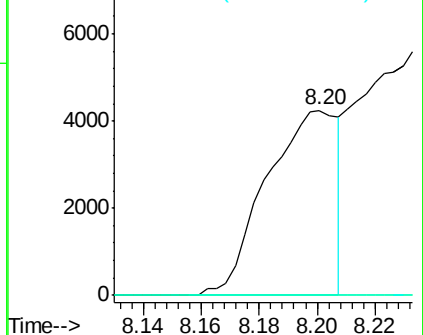
87 0.0 11.5 17.3#



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: 52.883 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054093.D

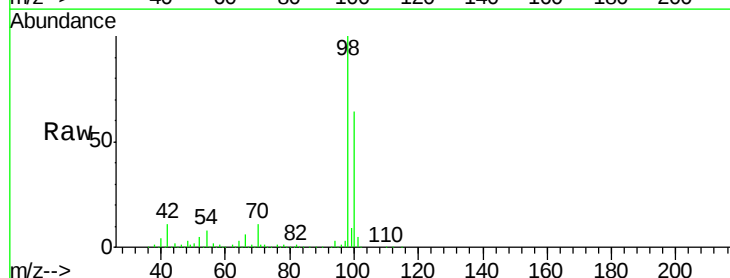
Acq: 5 Mar 2019 12:34

Tgt Ion: 98 Resp: 1341792

Ion Ratio Lower Upper

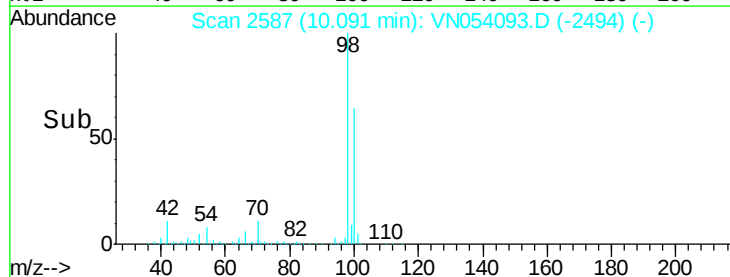
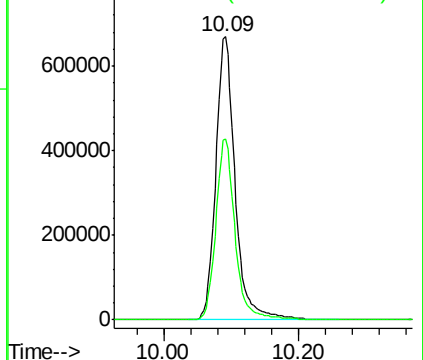
98 100

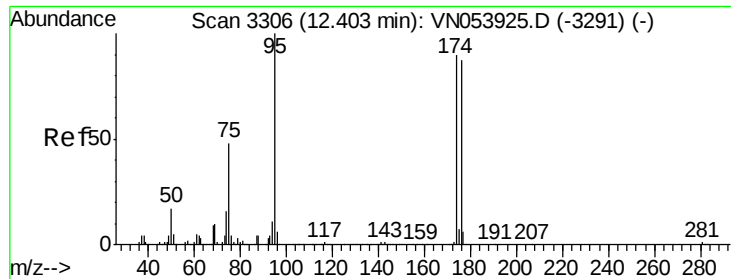
100 63.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.877 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

Instrument :

MSVOA_N

ClientSampled :

TRIP-BLANK

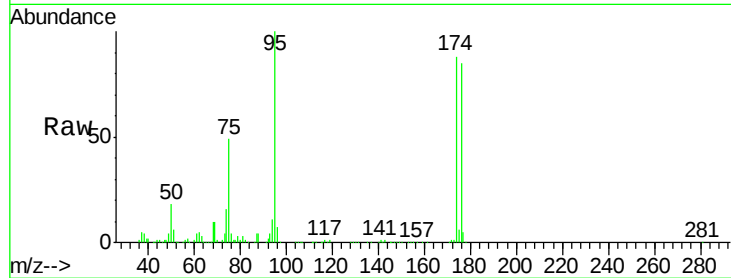
Tot Ion: 95 Resp: 438540

Ion Ratio Lower Upper

95 100

174 89.2 0.0 188.8

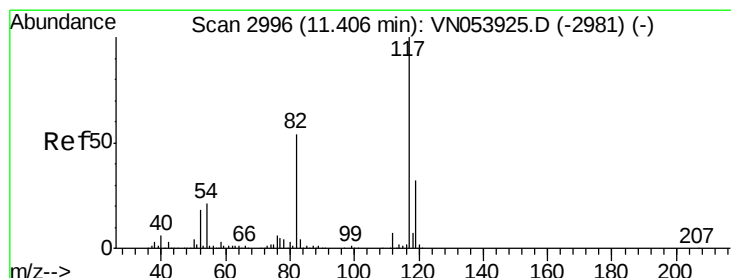
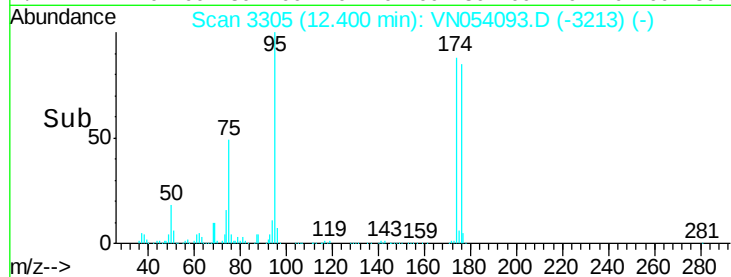
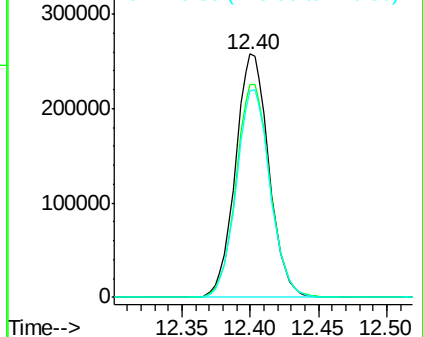
176 86.1 0.0 182.6



Abundance Ion 94.90 (94.60 to 95.60): VN053925.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053925.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053925.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

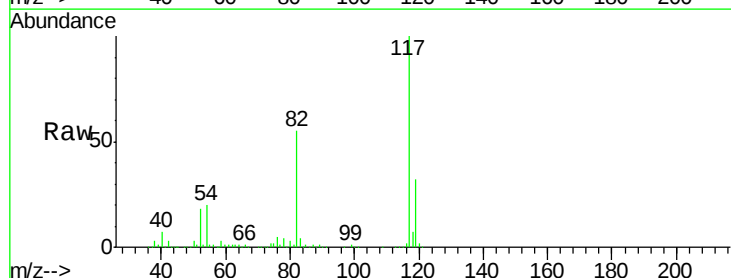
Tgt Ion: 117 Resp: 1035536

Ion Ratio Lower Upper

117 100

82 54.7 41.4 62.2

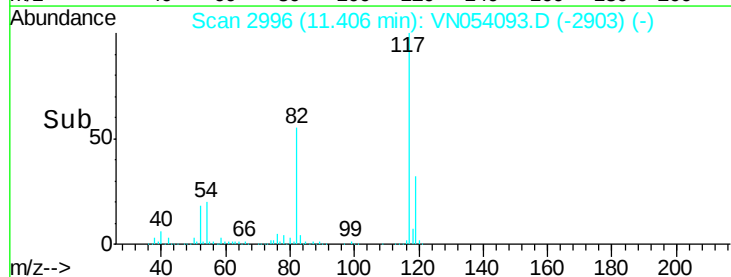
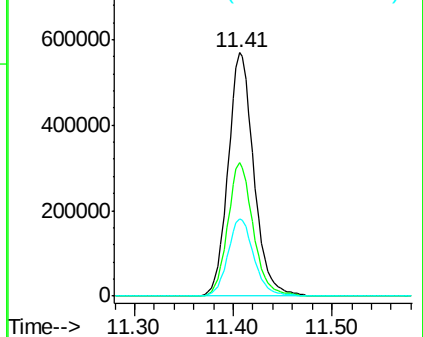
119 31.9 25.3 37.9

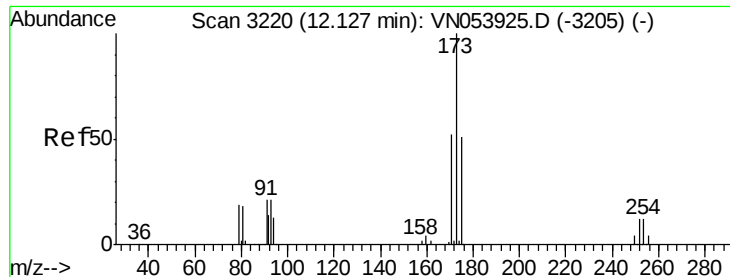


Abundance Ion 116.90 (116.60 to 117.60): VN053925.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN053925.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN053925.D (-2981) (-)

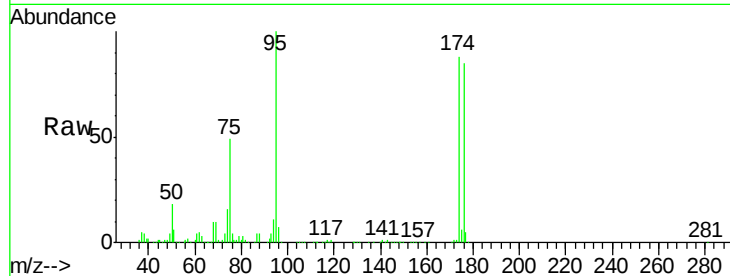




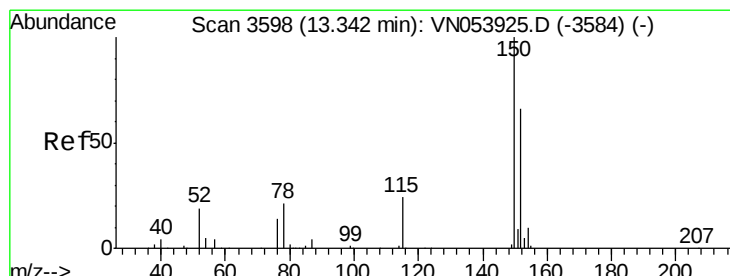
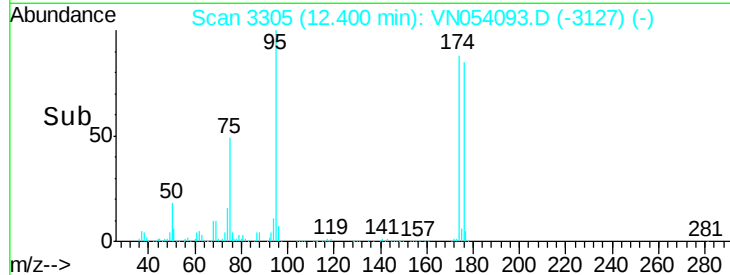
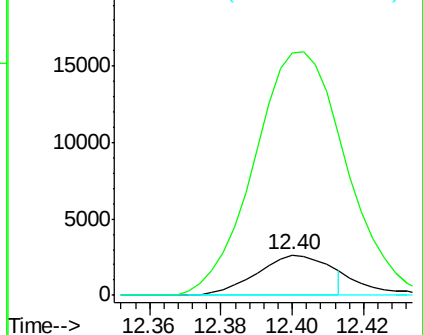
#71
Bromoform
Concen: 0.679 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054093.D
Acq: 5 Mar 2019 12:34

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tot Ion:173 Resp: 3722
Ion Ratio Lower Upper
173 100
175 646.5 24.3 72.8#
254 0.0 0.2 0.2#

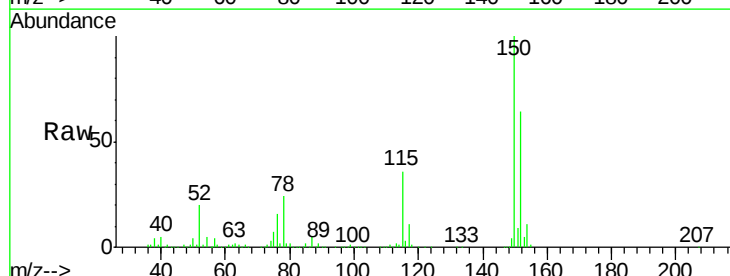


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

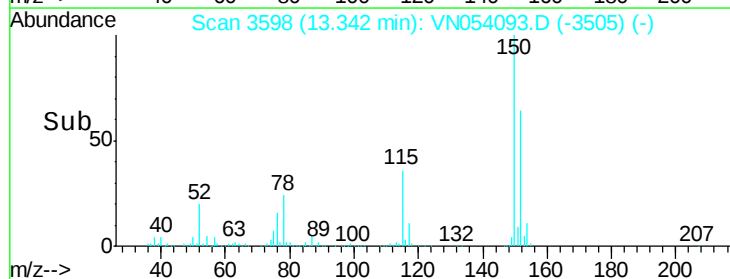
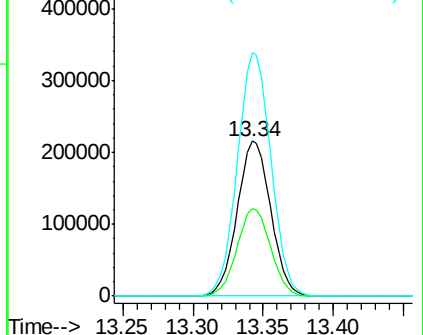


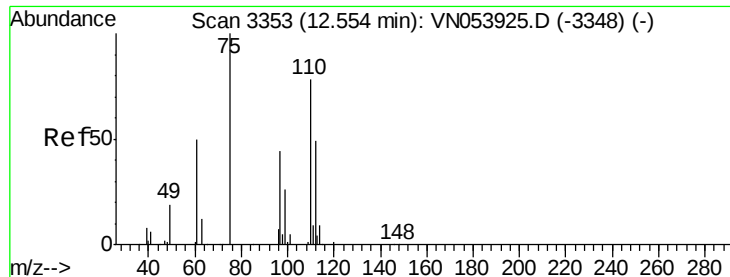
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054093.D
Acq: 5 Mar 2019 12:34

Tgt Ion:152 Resp: 360369
Ion Ratio Lower Upper
152 100
115 56.6 27.2 81.6
150 157.4 0.0 348.2



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: 36.826 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

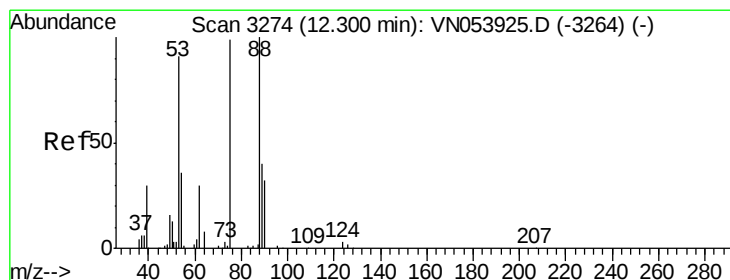
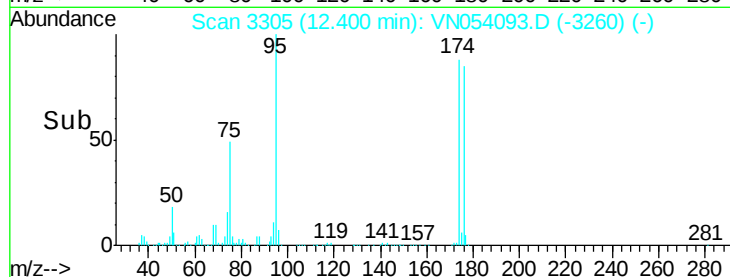
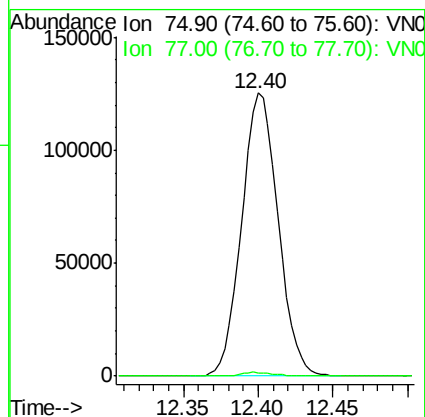
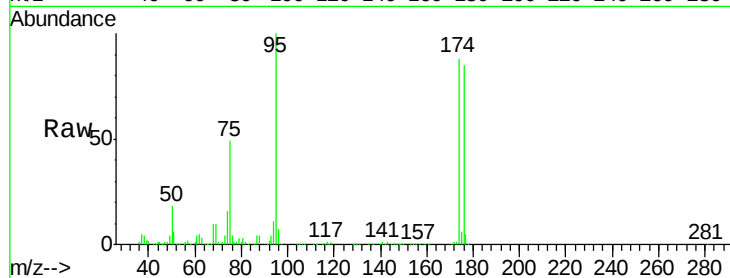
TRIP-BLANK

Tot Ion: 75 Resp: 212887

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 116.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

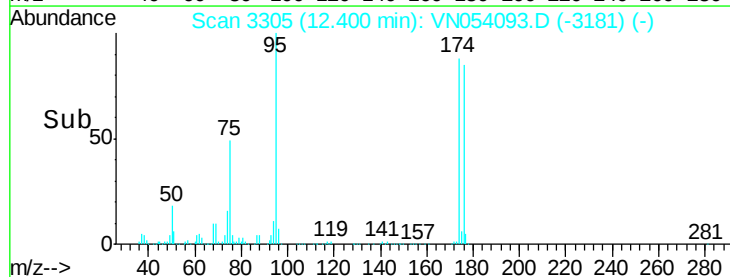
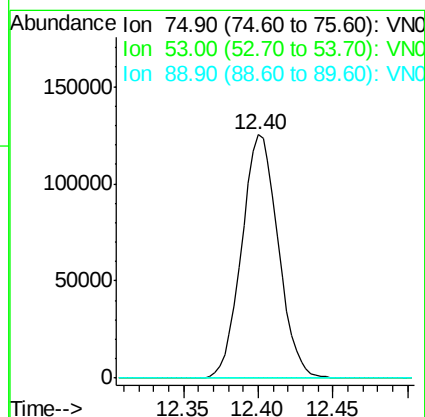
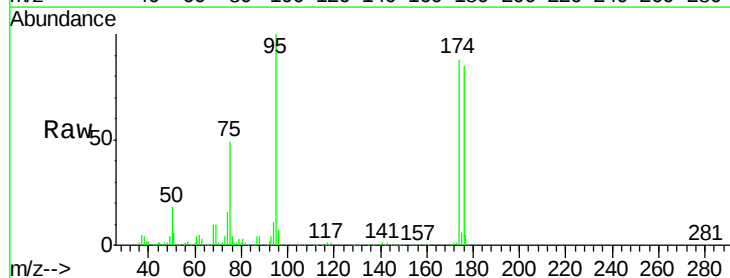
Tgt Ion: 75 Resp: 212887

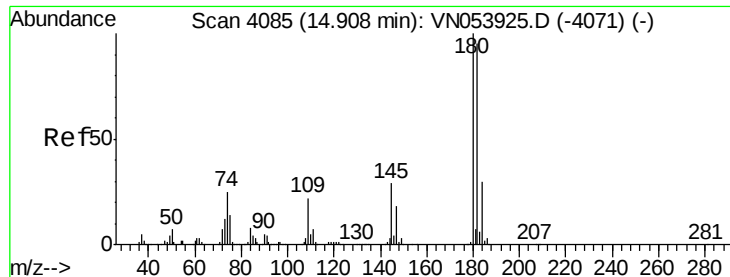
Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

89 0.0 35.3 52.9#

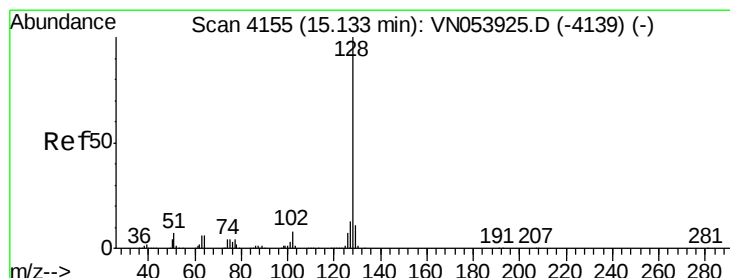
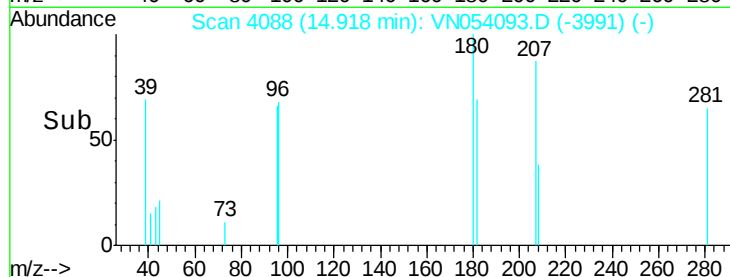
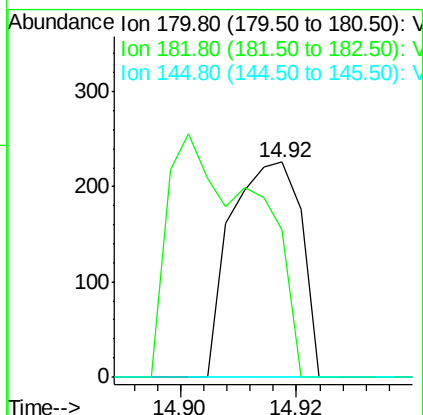
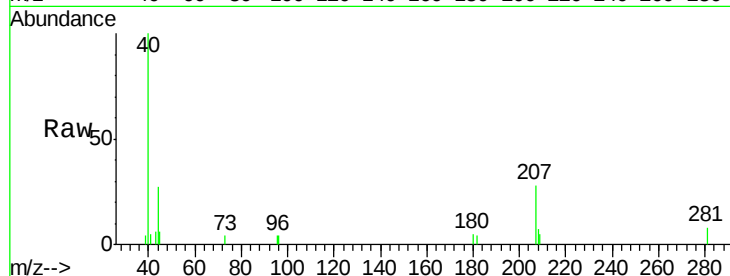




#93
 1,2,4-Trichlorobenzene
 Concen: 2.250 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.01 min
 Lab File: VN054093.D
 Acq: 5 Mar 2019 12:34

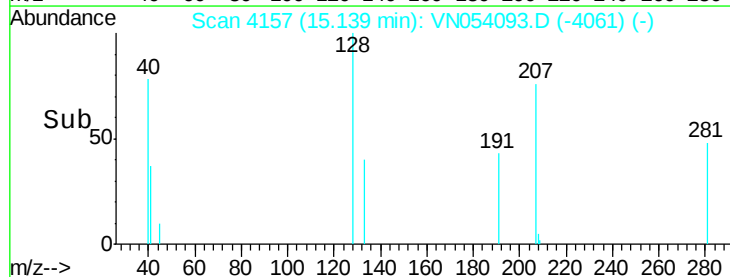
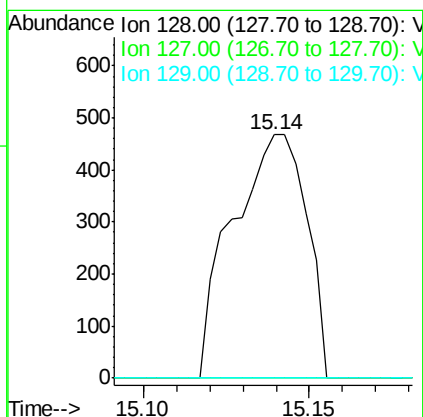
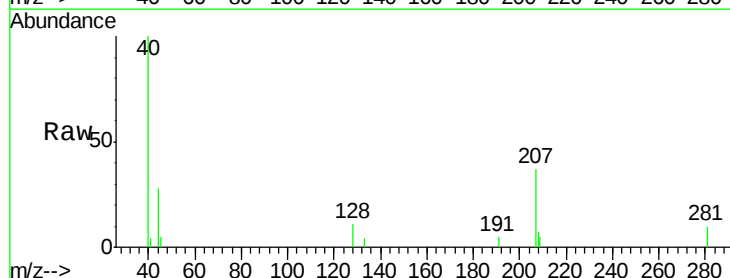
Instrument :
 MSVOA_N
 ClientSampled :
 TRIP-BLANK

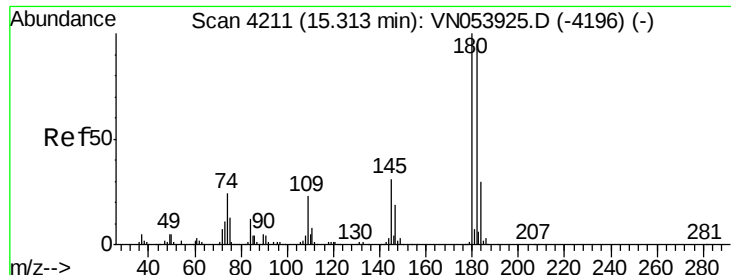
Tot Ion:180 Resp: 189
 Ion Ratio Lower Upper
 180 100
 182 143.4 48.6 145.9
 145 0.0 13.8 41.3#



#95
 Naphthalene
 Concen: 3.259 ug/l
 RT: 15.14 min Scan# 4157
 Delta R.T. 0.01 min
 Lab File: VN054093.D
 Acq: 5 Mar 2019 12:34

Tgt Ion:128 Resp: 727
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 12.8#





#96

1,2,3-Trichlorobenzene

Concen: 1.615 ug/l

RT: 15.31 min Scan# 4209

Delta R.T. -0.01 min

Lab File: VN054093.D

Acq: 5 Mar 2019 12:34

Instrument :

MSVOA_N

ClientSampleId :

TRIP-BLANK

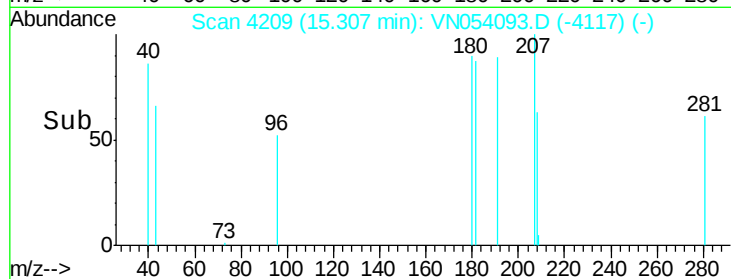
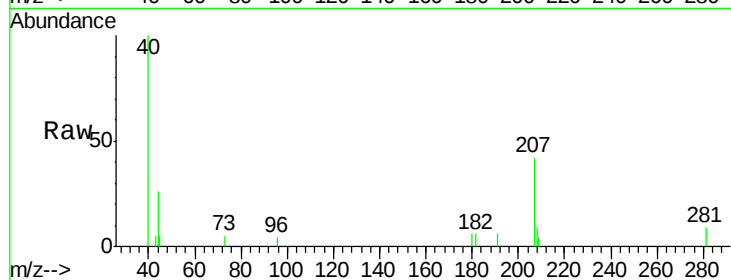
Tot Ion:180 Resp: 377

Ion Ratio Lower Upper

180 100

182 130.5 47.3 141.8

145 0.0 14.4 43.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

