

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN100319\
 Data File : VN058518.D
 Acq On : 3 Oct 2019 18:18
 Operator : JC/SP
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 04 03:22:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	346682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	587093	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492851	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	186508	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	255538	50.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.88%	
35) Dibromofluoromethane	7.57	113	180694	50.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.44%	
50) Toluene-d8	10.08	98	718102	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.41	95	221334	43.43	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.86%	

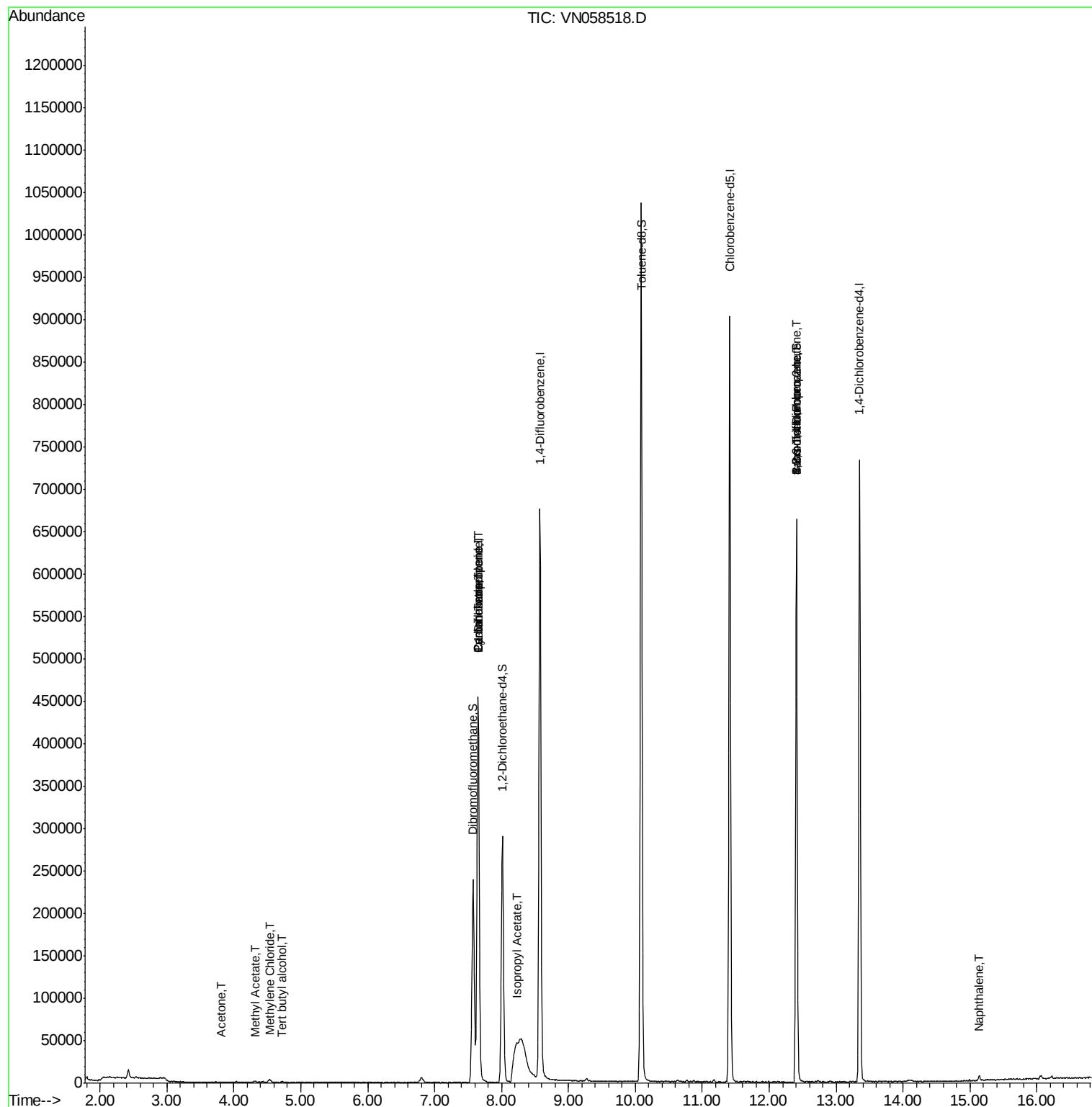
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	492	0.874	ug/l #	71
16) Acetone	3.82	43	780	0.452	ug/l #	47
18) Methyl Acetate	4.32	43	1786	0.411	ug/l #	68
20) Methylene Chloride	4.54	84	2463	0.618	ug/l #	80
31) Cyclohexane	7.65	56	9707	1.384	ug/l #	41
36) 1,1-Dichloropropene	7.65	75	30254	5.389	ug/l #	51
38) Carbon Tetrachloride	7.65	117	35535	7.013	ug/l #	16
43) Isopropyl Acetate	8.23	43	69314	7.744	ug/l #	63
60) Dibromochloromethane	10.63	129	324	Below Cal	#	11
71) Bromoform	12.40	173	236	0.797	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	122999	36.106	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	122999	109.659	ug/l #	7
95) Naphthalene	15.14	128	5575	0.583	ug/l #	94

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

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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

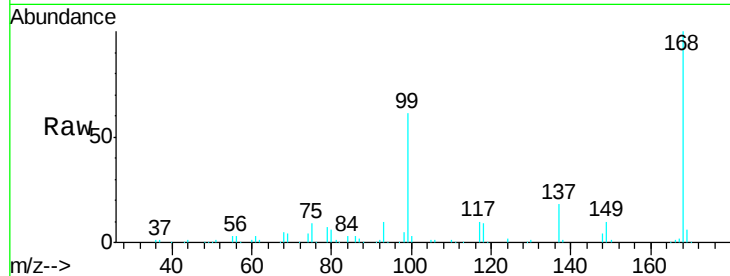
IBLK

Tgt Ion: 168 Resp: 346682

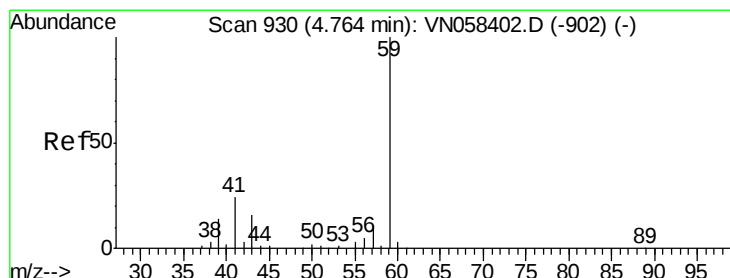
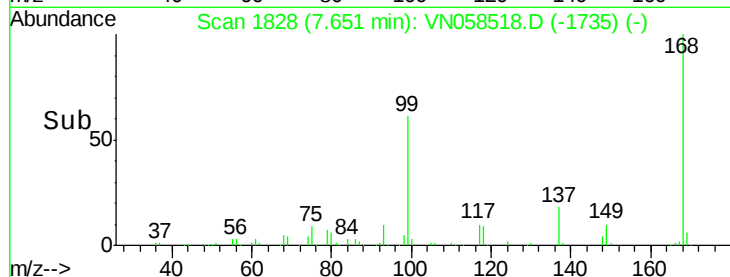
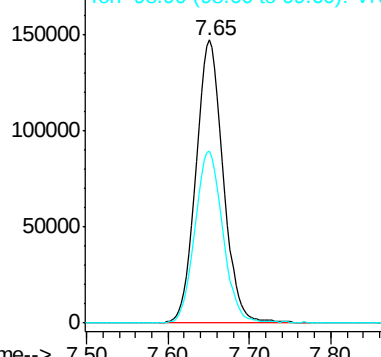
Ion Ratio Lower Upper

168 100

99 60.8 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058518.D (-1735) (-)



#11

Tert butyl alcohol

Concen: 0.874 ug/l

RT: 4.72 min Scan# 916

Delta R.T. -0.04 min

Lab File: VN058518.D

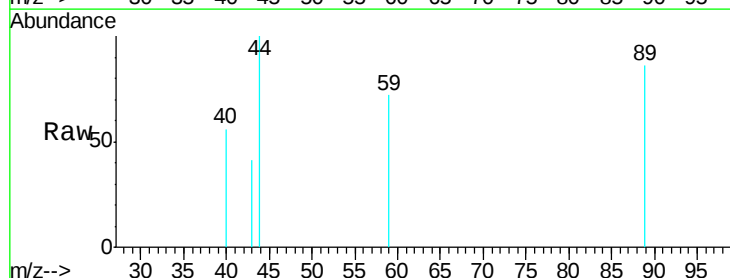
Acq: 3 Oct 2019 18:18

Tgt Ion: 59 Resp: 492

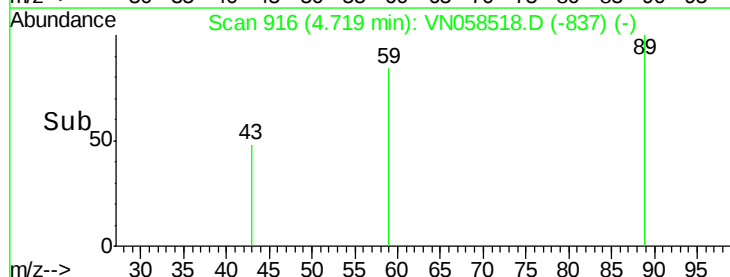
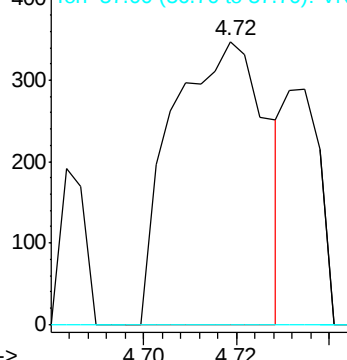
Ion Ratio Lower Upper

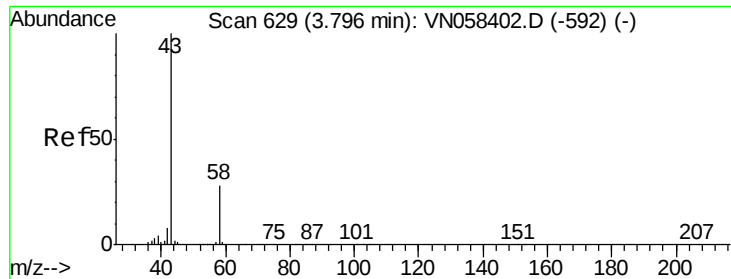
59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN058518.D (-837) (-)





#16

Acetone

Concen: 0.452 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.02 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

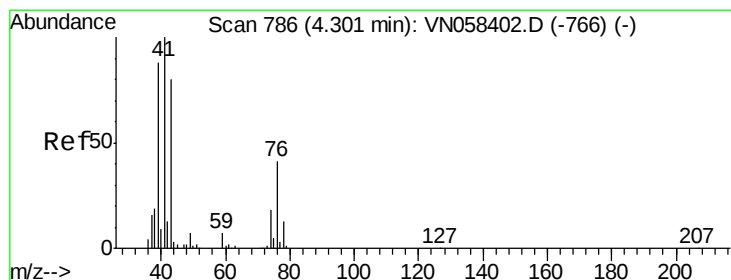
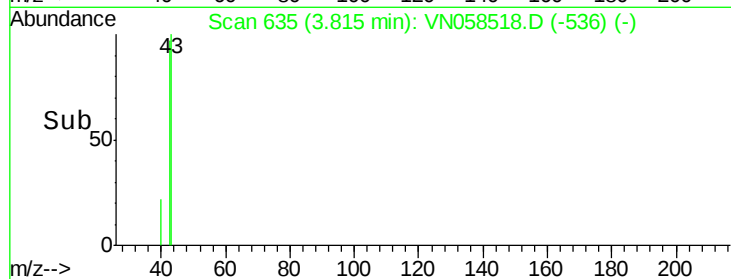
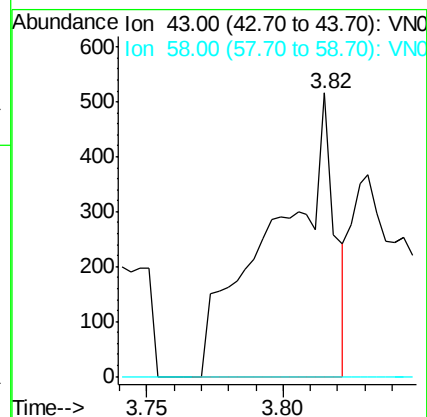
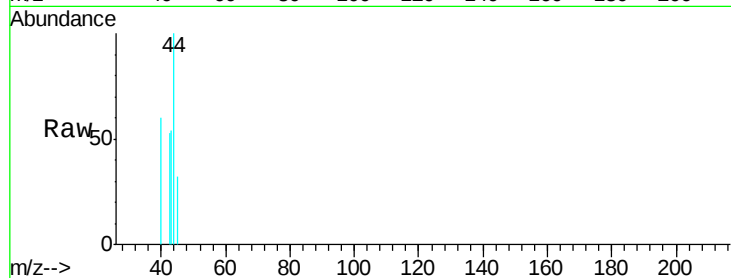
IBLK

Tgt Ion: 43 Resp: 780

Ion Ratio Lower Upper

43 100

58 0.0 22.4 33.6#



#18

Methyl Acetate

Concen: 0.411 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058518.D

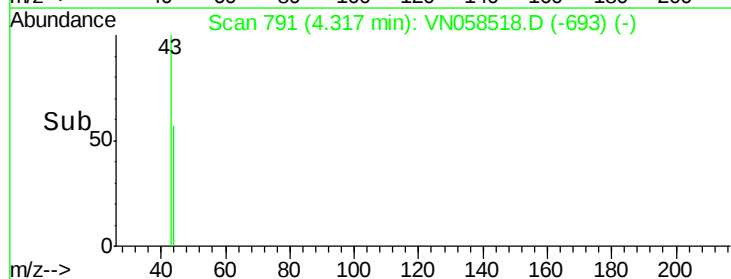
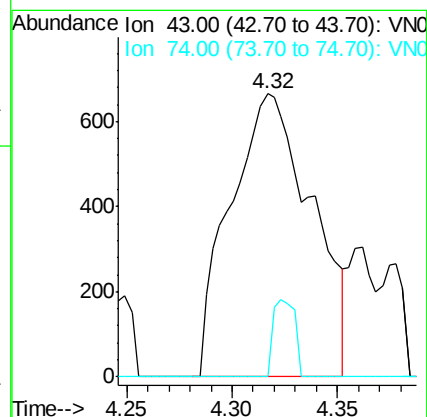
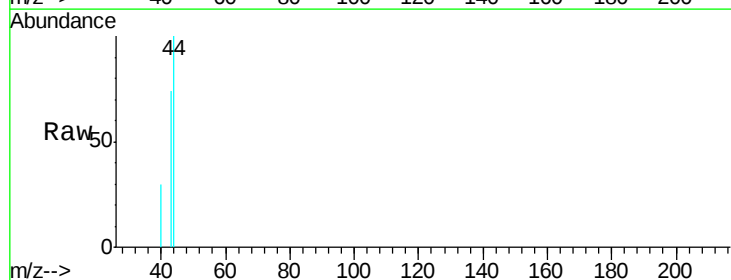
Acq: 3 Oct 2019 18:18

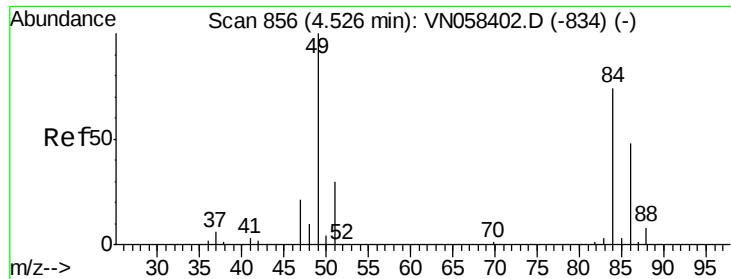
Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

43 100

74 7.3 18.0 27.0#

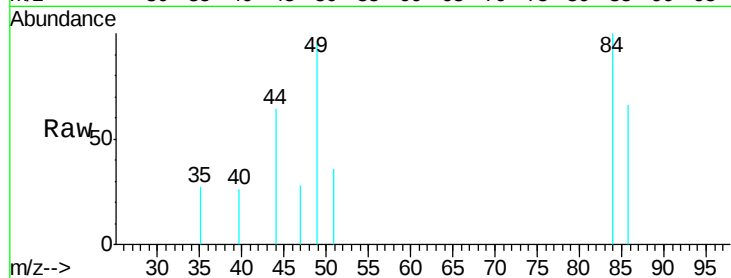




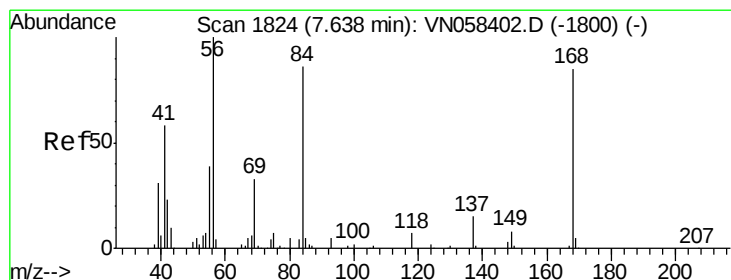
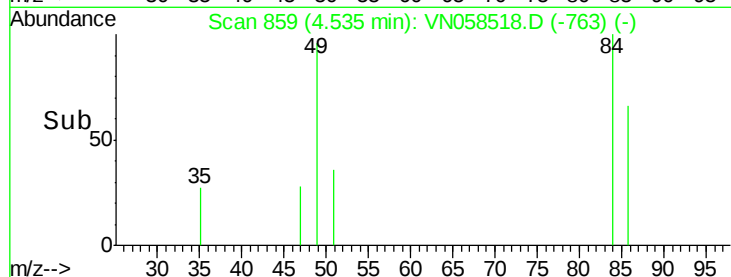
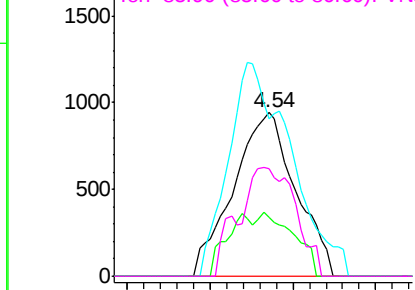
#20
Methylene Chloride
Concen: 0.618 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058518.D
Acq: 3 Oct 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 2463
Ion Ratio Lower Upper
84 100
49 96.1 107.9 161.9#
51 36.1 32.8 49.2
86 66.1 51.5 77.3

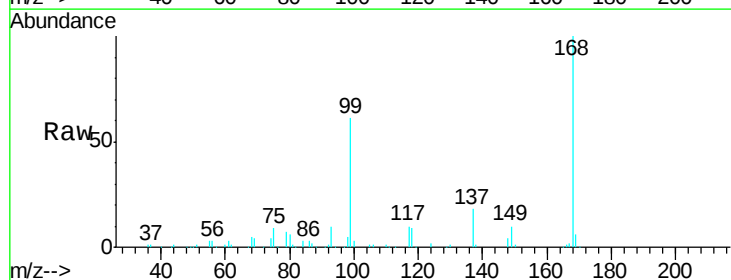


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

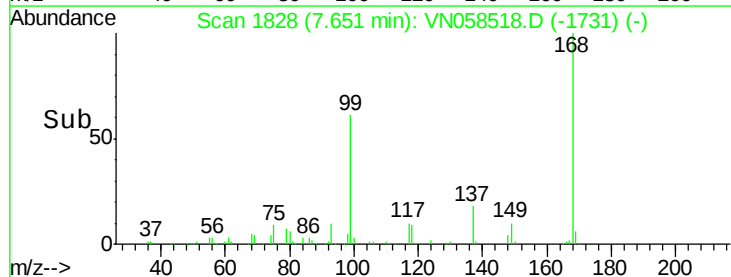
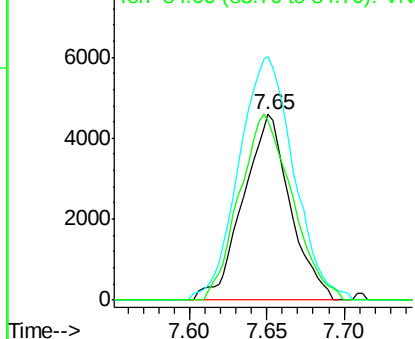


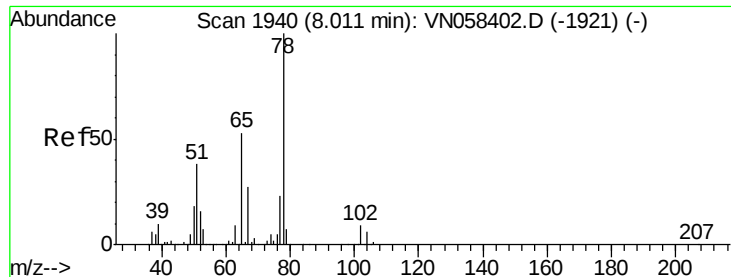
#31
Cyclohexane
Concen: 1.384 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058518.D
Acq: 3 Oct 2019 18:18

Tgt Ion: 56 Resp: 9707
Ion Ratio Lower Upper
56 100
69 131.2 26.2 39.4#
84 96.9 67.6 101.4



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: 50.440 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

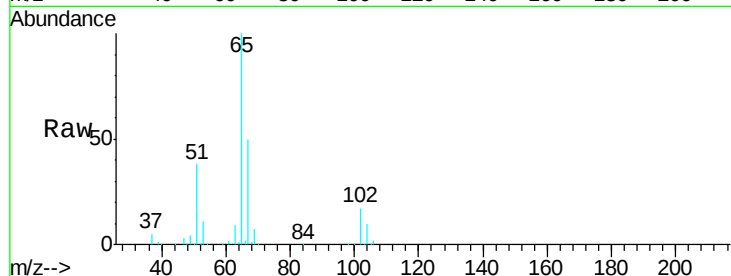
IBLK

Tgt Ion: 65 Resp: 25538

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN058402.D (-1921) (-)

Ion 66.90 (66.60 to 67.60): VN058402.D (-1921) (-)

8.01

120000

100000

80000

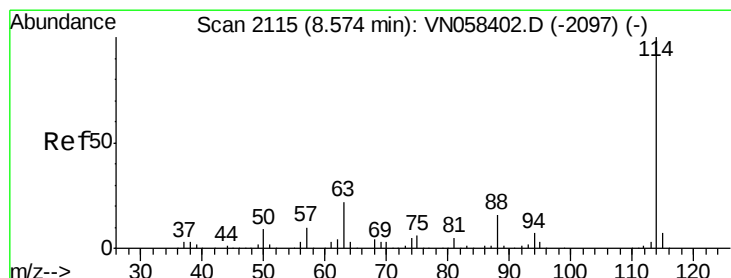
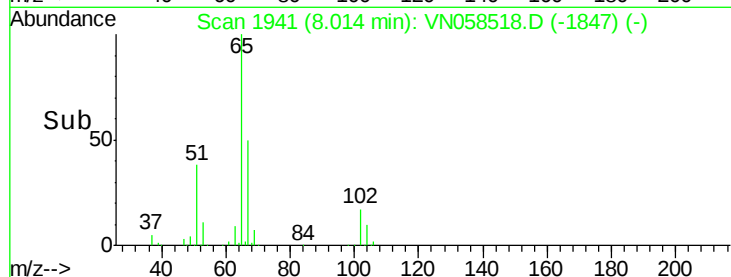
60000

40000

20000

0

Time--> 7.90 8.00 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

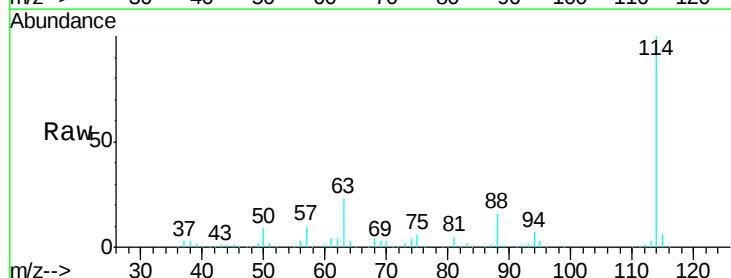
Tgt Ion: 114 Resp: 587093

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.0

88 15.7 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058402.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN058402.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN058402.D (-2097) (-)

8.57

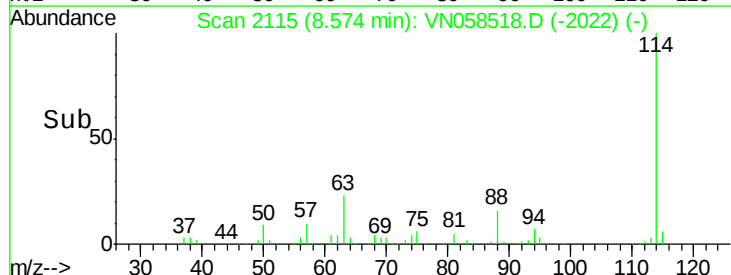
300000

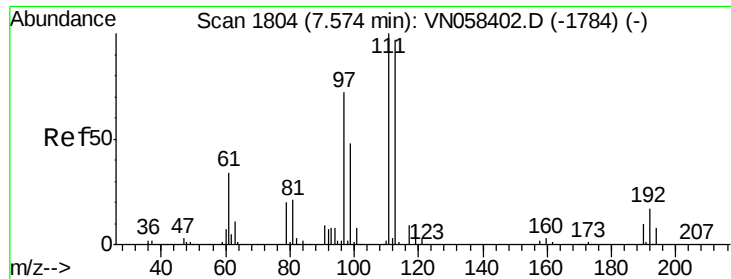
200000

100000

0

Time--> 8.50 8.60 8.70 8.80

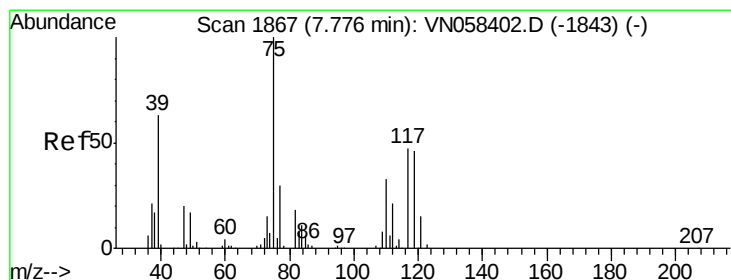
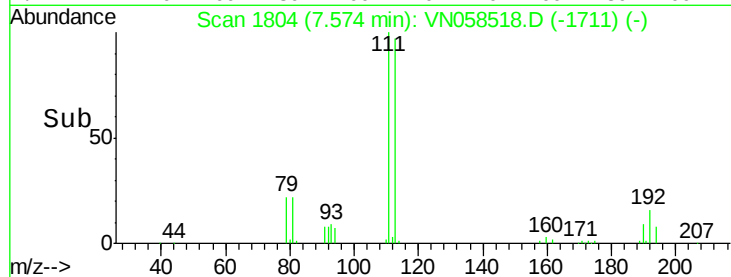
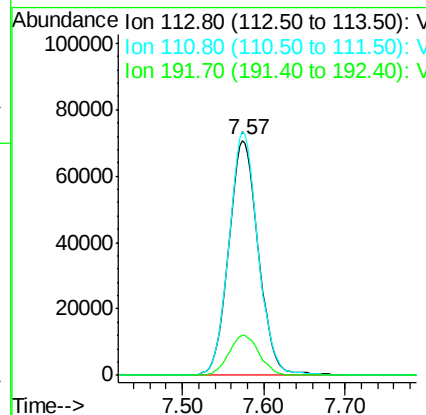
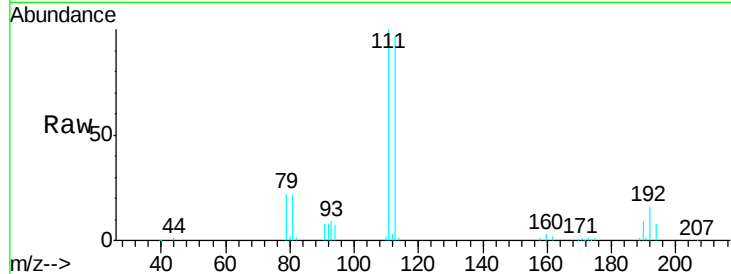




#35
Dibromofluoromethane
Concen: 50.217 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058518.D
Acq: 3 Oct 2019 18:18

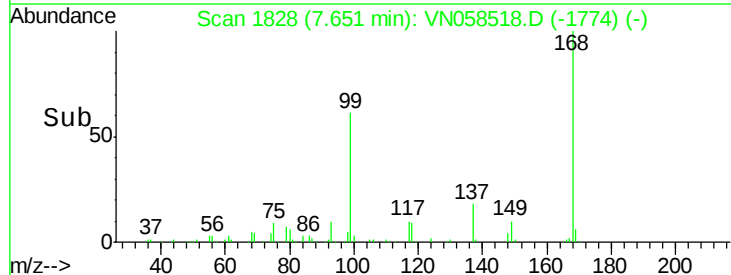
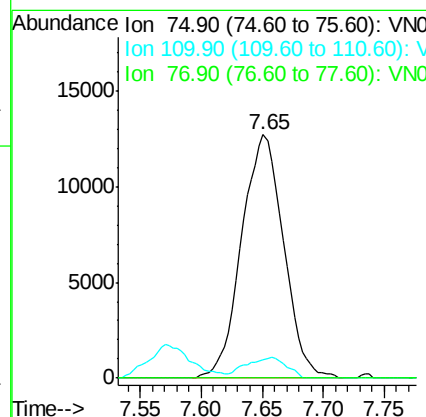
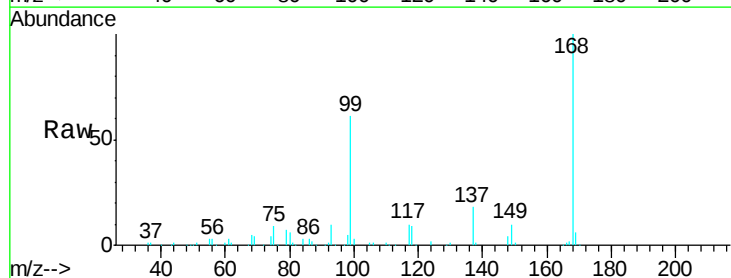
Instrument :
MSVOA_N
ClientSampleId :
IBLK

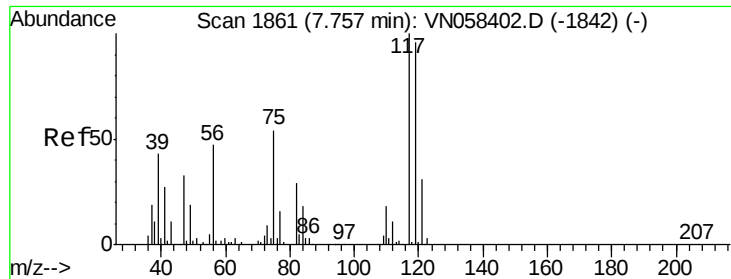
Tgt Ion: 113 Resp: 180694
Ion Ratio Lower Upper
113 100
111 101.8 83.4 125.2
192 17.5 14.9 22.3



#36
1,1-Dichloropropene
Concen: 5.389 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.13 min
Lab File: VN058518.D
Acq: 3 Oct 2019 18:18

Tgt Ion: 75 Resp: 30254
Ion Ratio Lower Upper
75 100
110 8.3 16.4 49.2#
77 0.0 24.3 36.5#





#38

Carbon Tetrachloride

Concen: 7.013 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

IBLK

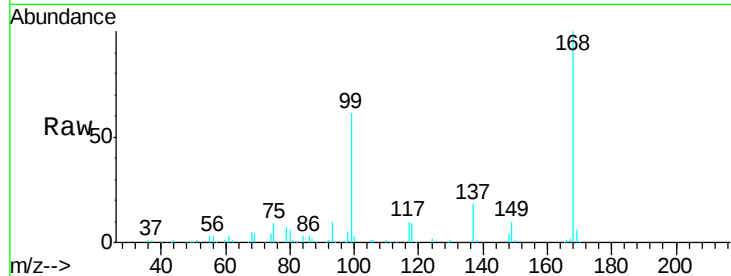
Tgt Ion: 117 Resp: 35535

Ion Ratio Lower Upper

117 100

119 4.7 76.6 115.0#

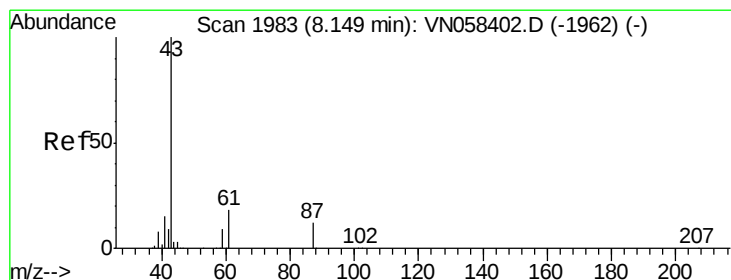
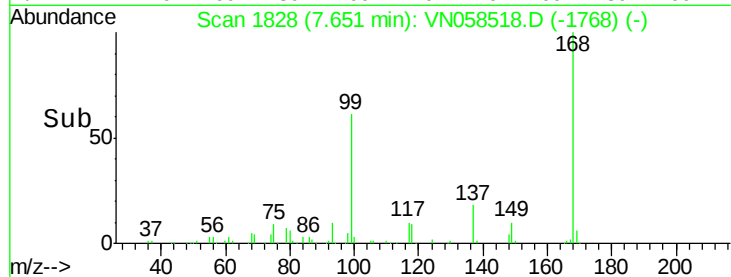
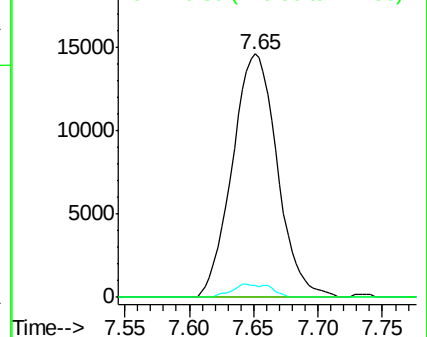
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 7.744 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.08 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

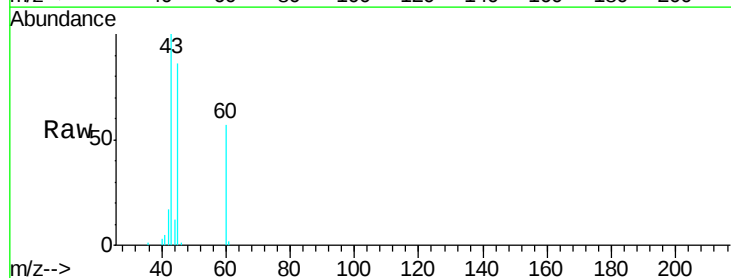
Tgt Ion: 43 Resp: 69314

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

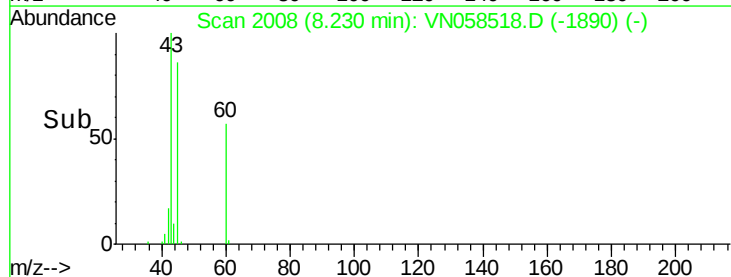
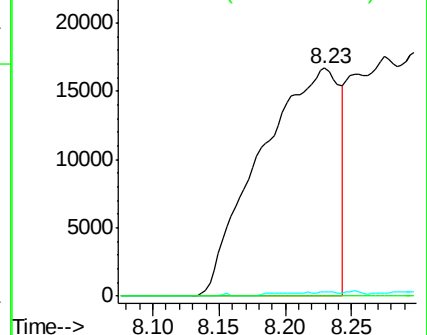
87 0.0 9.7 14.5#

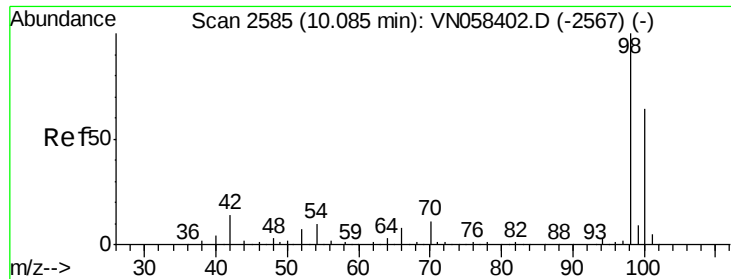


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 50.944 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

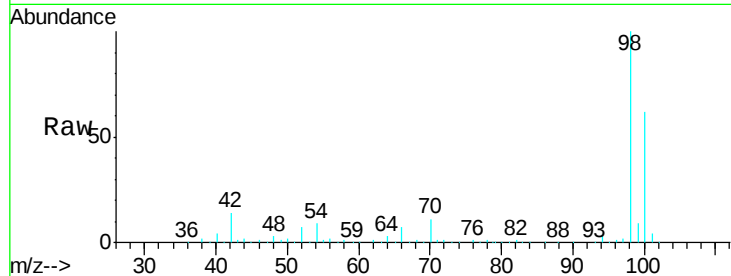
IBLK

Tgt Ion: 98 Resp: 718102

Ion Ratio Lower Upper

98 100

100 63.1 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058402.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN058402.D (-2567) (-)

10.08

400000

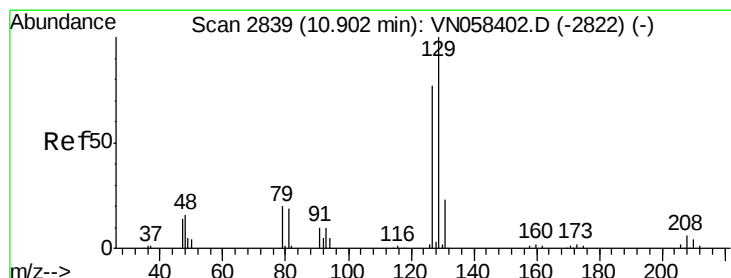
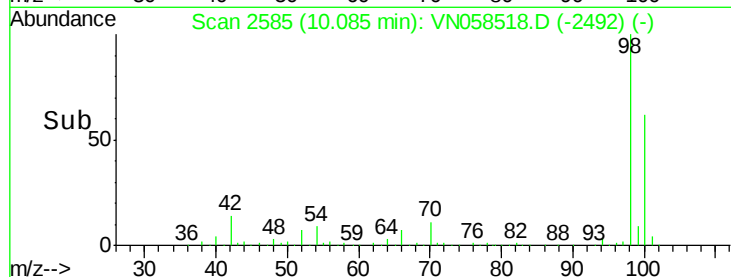
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: Below Cal

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058518.D

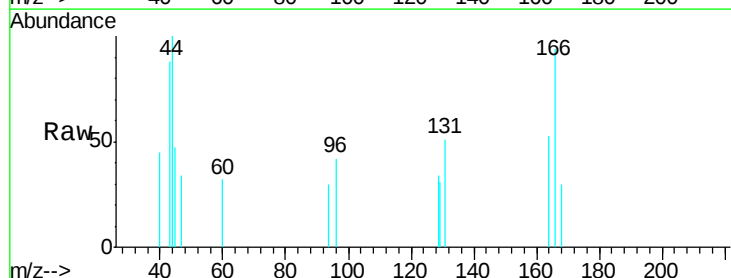
Acq: 3 Oct 2019 18:18

Tgt Ion: 129 Resp: 324

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): VN058402.D (-2822) (-)

Ion 126.80 (126.50 to 127.50): VN058402.D (-2822) (-)

10.63

400

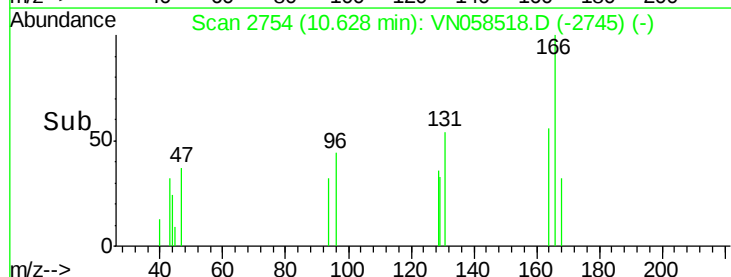
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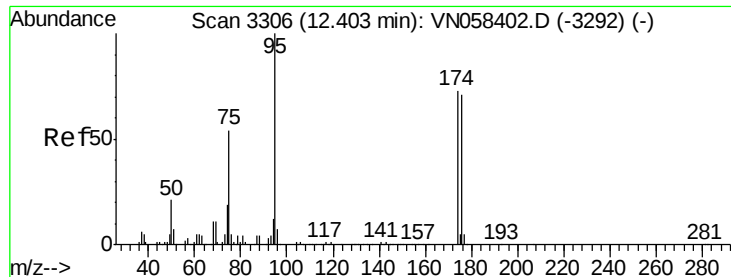
200

100

0

Time-->





#62

4-Bromofluorobenzene

Concen: 43.426 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

IBLK

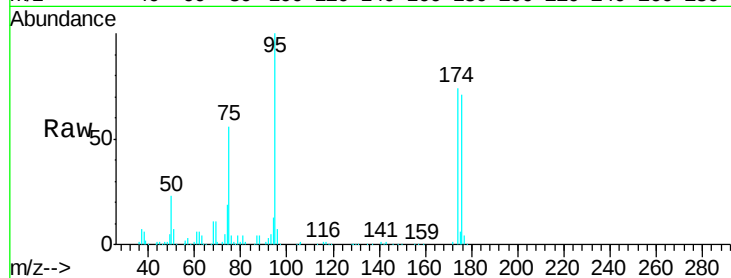
Tgt Ion: 95 Resp: 221334

Ion Ratio Lower Upper

95 100

174 74.3 0.0 150.6

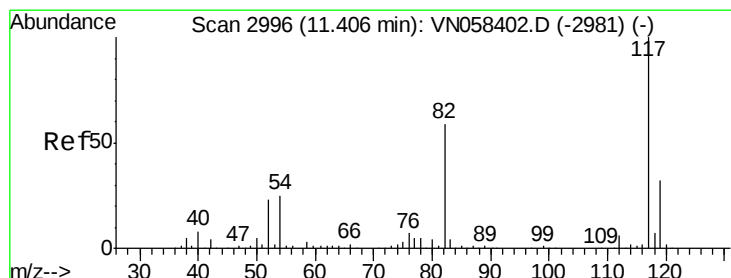
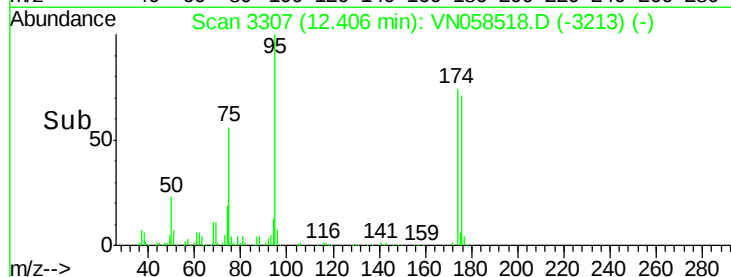
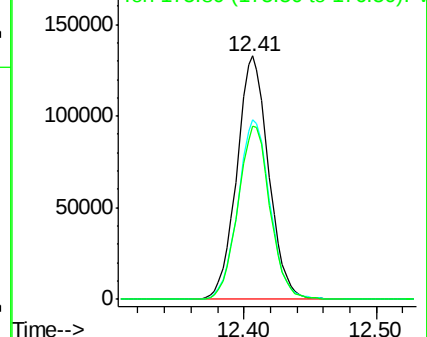
176 71.8 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

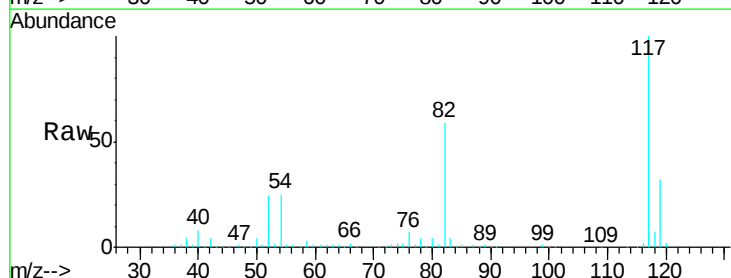
Tgt Ion: 117 Resp: 492851

Ion Ratio Lower Upper

117 100

82 58.9 47.4 71.0

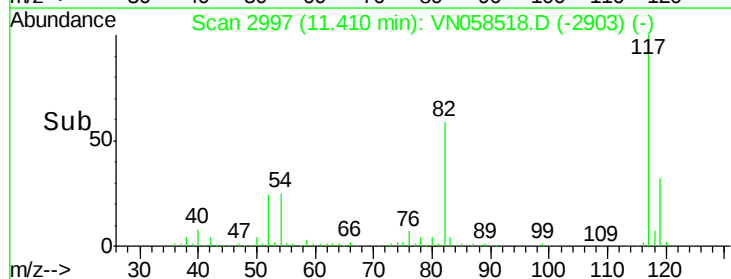
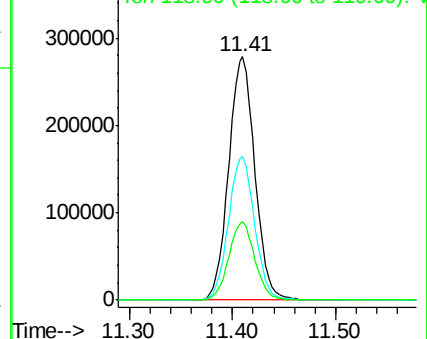
119 32.0 25.5 38.3

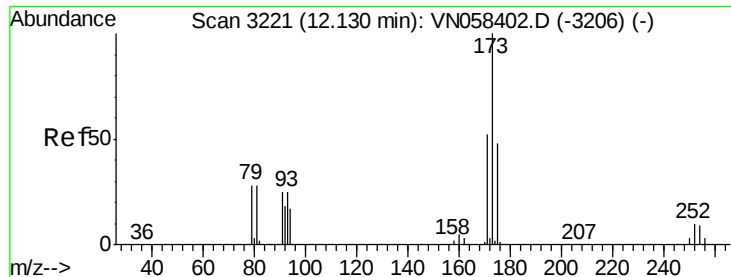


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)





#71

Bromoform

Concen: 0.797 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampleId :

IBLK

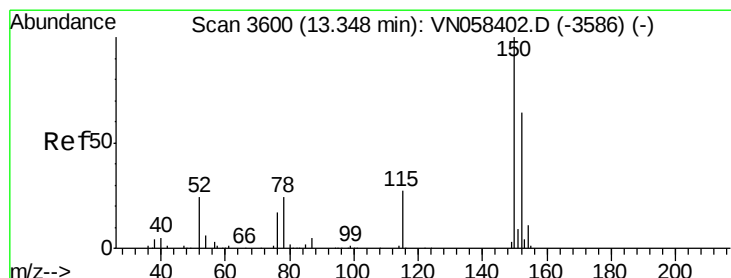
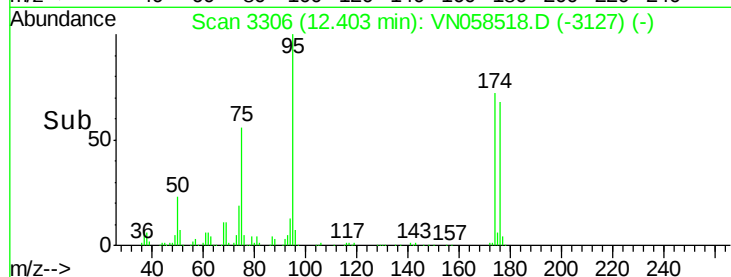
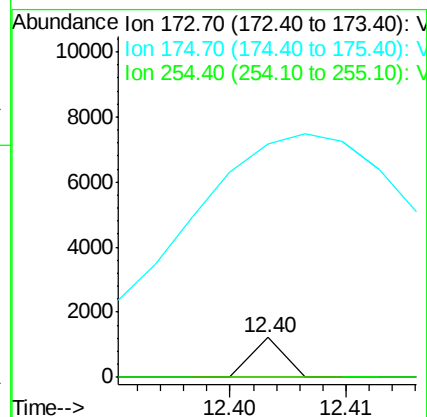
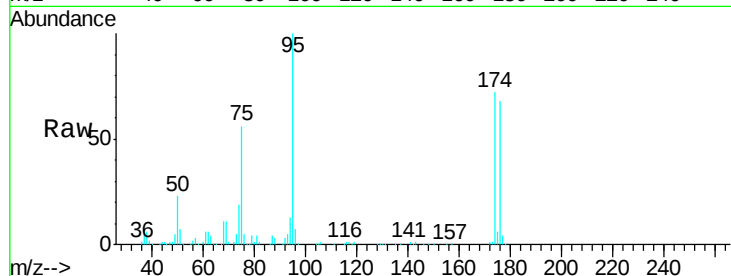
Tgt Ion:173 Resp: 236

Ion Ratio Lower Upper

173 100

175 4435.2 24.3 73.0#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

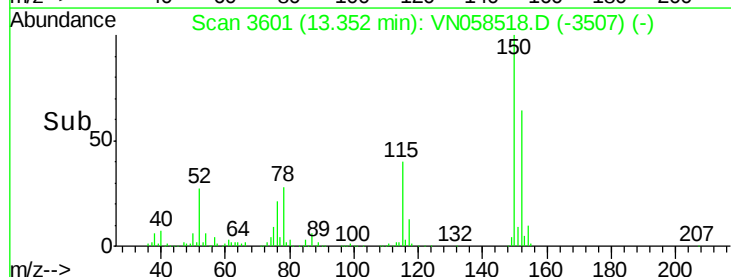
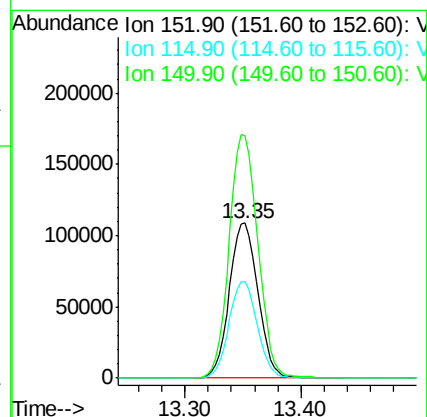
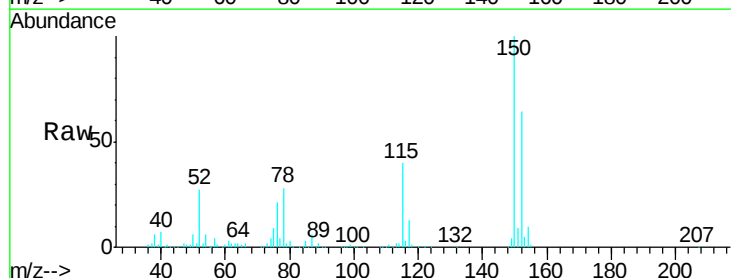
Tgt Ion:152 Resp: 186508

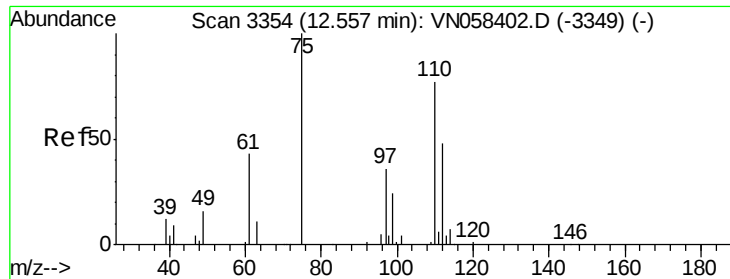
Ion Ratio Lower Upper

152 100

115 61.5 30.0 90.0

150 157.2 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 36.106 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

Instrument :

MSVOA_N

ClientSampled :

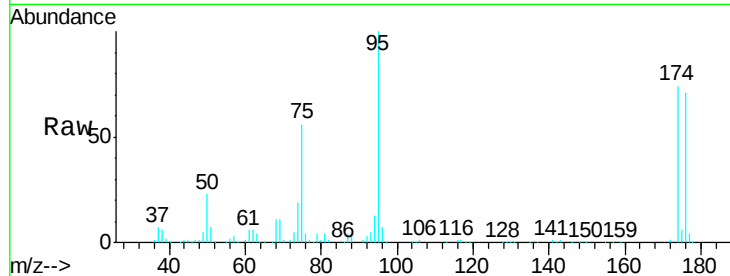
IBLK

Tgt Ion: 75 Resp: 122999

Ion Ratio Lower Upper

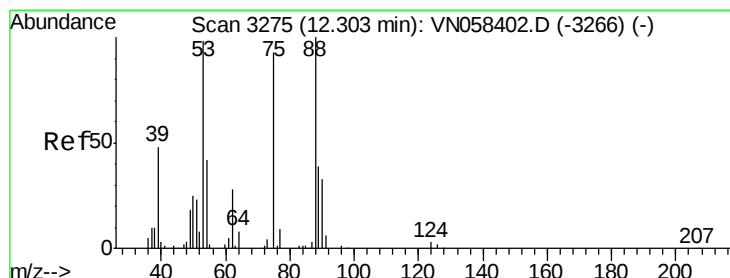
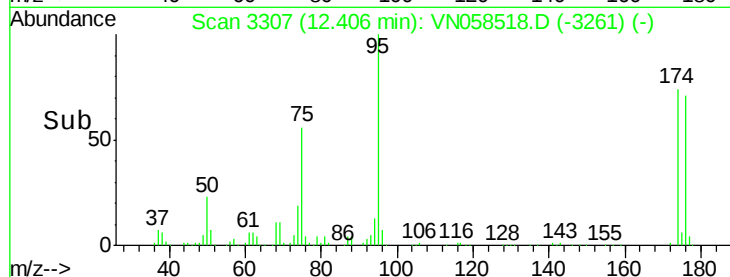
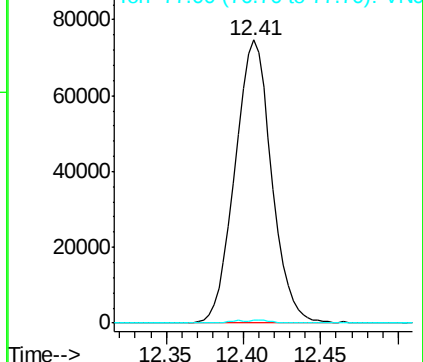
75 100

77 0.7 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: 109.659 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058518.D

Acq: 3 Oct 2019 18:18

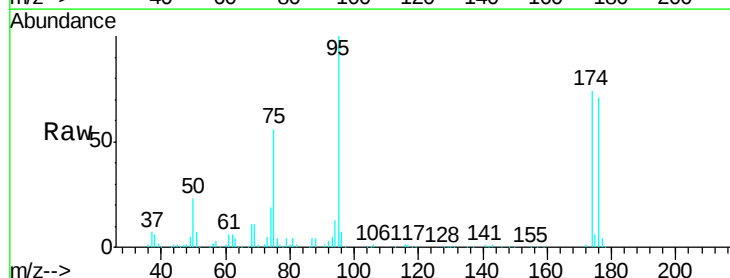
Tgt Ion: 75 Resp: 122999

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

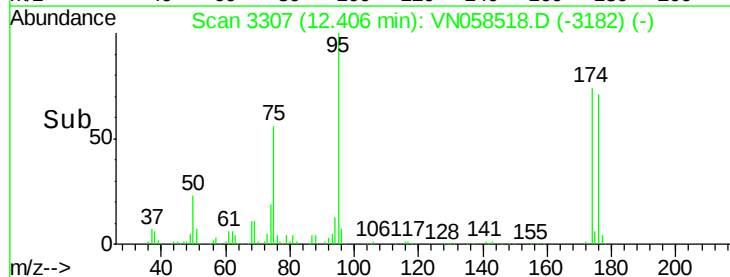
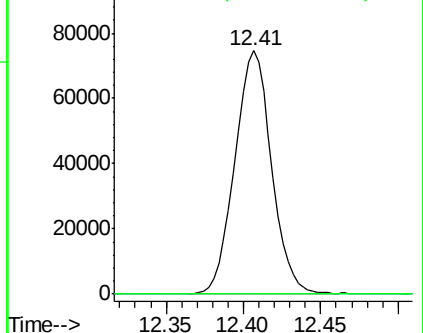
89 0.0 35.0 52.4#

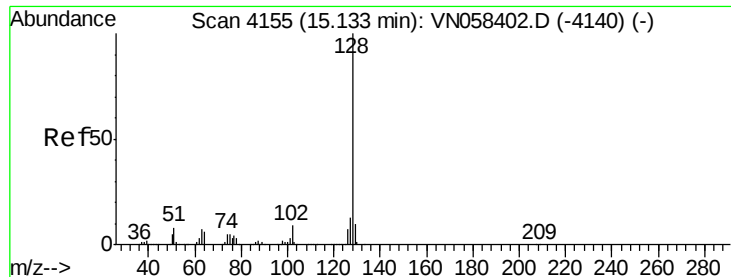


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

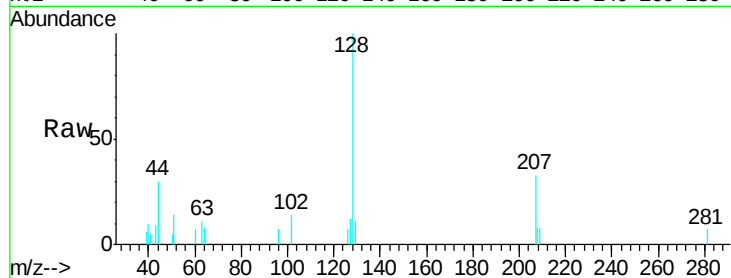




#95
Naphthalene
Concen: 0.583 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058518.D
Acq: 3 Oct 2019 18:18

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:128 Resp: 5575
Ion Ratio Lower Upper
128 100
127 10.5 10.2 15.4
129 8.1 8.3 12.5#



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

