

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111618\
 Data File : VN052354.D
 Acq On : 16 Nov 2018 10:30
 Operator : MD\SY
 Sample : VN1116WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBL02

Quant Time: Nov 16 22:44:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	297579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	496370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	414359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145131	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	214798	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
35) Dibromofluoromethane	7.59	113	163467	51.06	ug/l	0.00
Spiked Amount			Recovery	=	102.12%	
50) Toluene-d8	10.09	98	638822	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	188150	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	

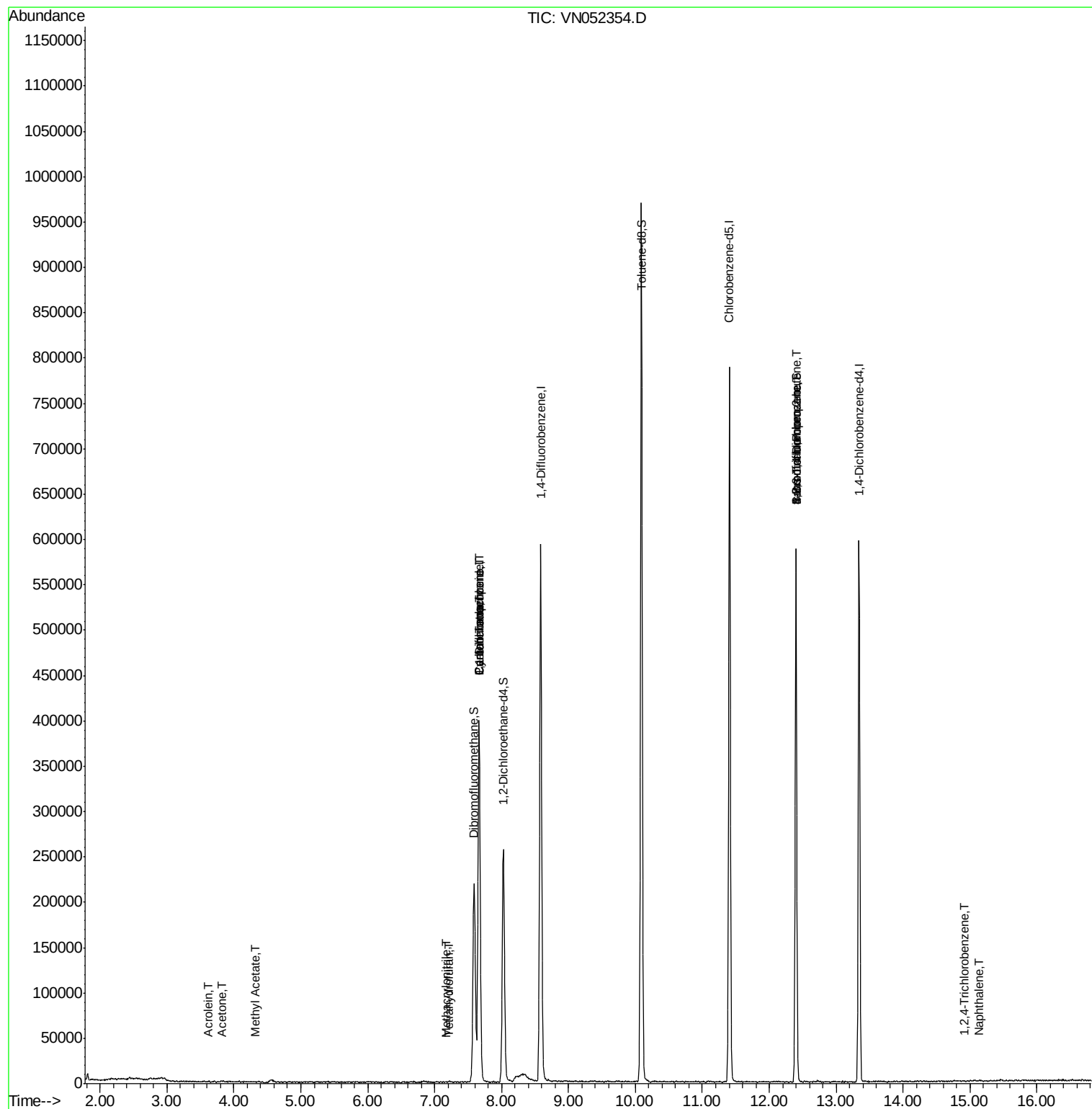
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	98	22.038	ug/l #	53
16) Acetone	3.82	43	1248	1.078	ug/l	97
18) Methyl Acetate	4.32	43	128	0.471	ug/l #	57
20) Methylene Chloride	4.56	84	1189	Below Cal	#	50
29) Tetrahydrofuran	7.22	42	627	0.586	ug/l #	40
31) Cyclohexane	7.66	56	8764	0.318	ug/l #	50
36) 1,1-Dichloropropene	7.66	75	27699	5.568	ug/l #	51
38) Carbon Tetrachloride	7.66	117	32127	7.029	ug/l #	15
41) Methacrylonitrile	7.18	41	97	3.740	ug/l #	100
71) Bromoform	12.40	173	725	0.411	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	106857	43.392	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	106857	140.737	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	29	2.270	ug/l #	1
95) Naphthalene	15.14	128	291	2.658	ug/l #	69

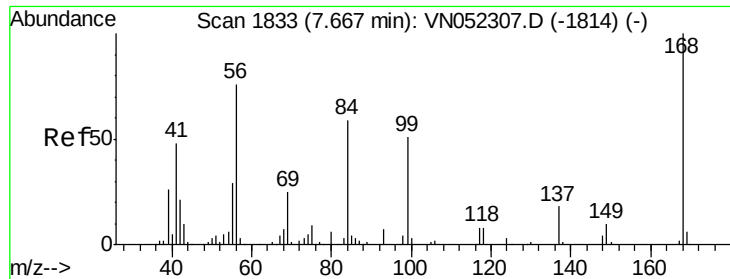
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN052354.D

Acq: 16 Nov 2018 10:30

Instrument :

MSVOA_N

ClientSampleId :

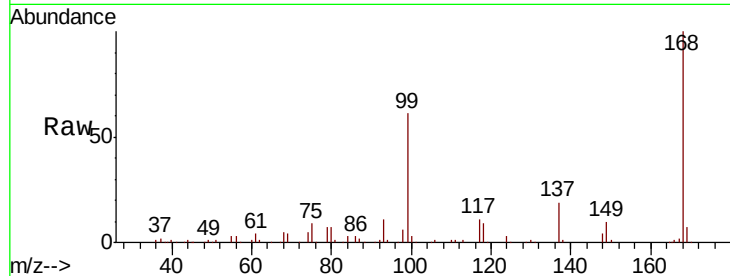
VN1116WBL02

Tot Ion:168 Resp: 297579

Ion Ratio Lower Upper

168 100

99 61.2 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

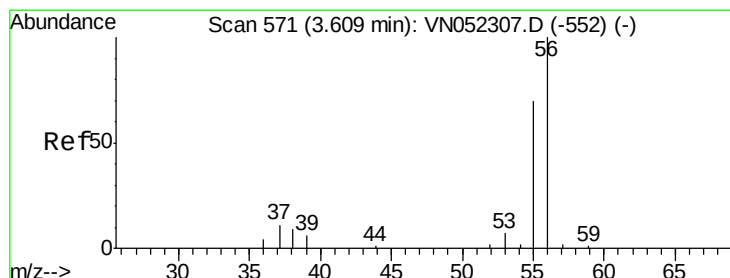
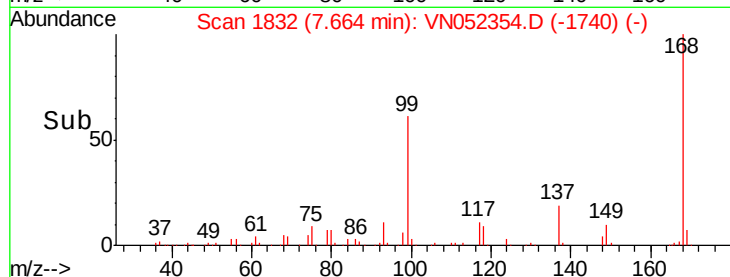
100000

50000

0

Time-->

7.60 7.70 7.80



#13

Acrolein

Concen: 22.038 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052354.D

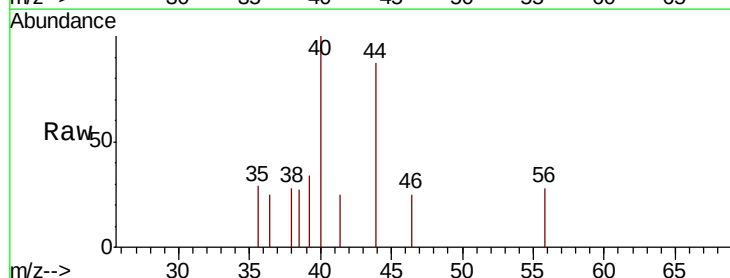
Acq: 16 Nov 2018 10:30

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 32.7 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

200

150

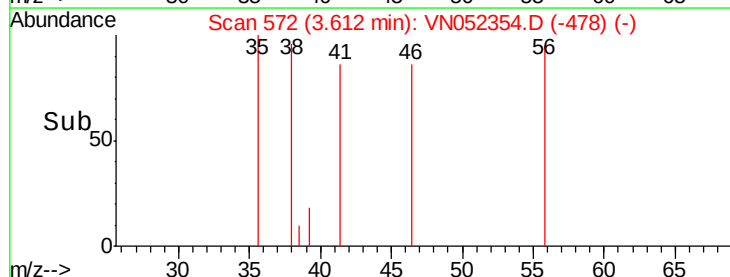
100

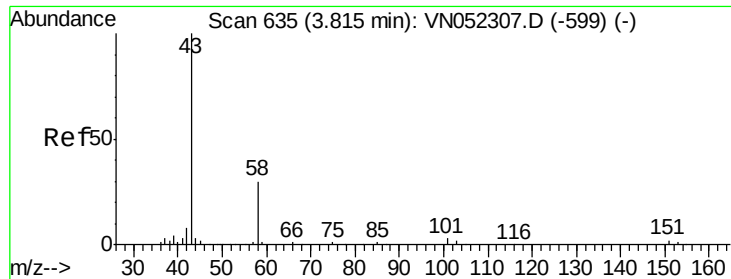
50

0

Time-->

3.60 3.61 3.62





#16

Acetone

Concen: 1.078 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052354.D

Acq: 16 Nov 2018 10:30

Instrument :

MSVOA_N

ClientSampled :

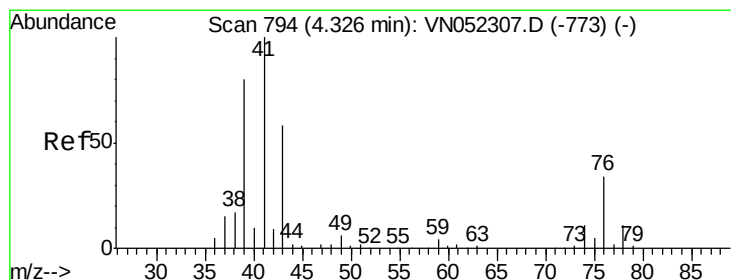
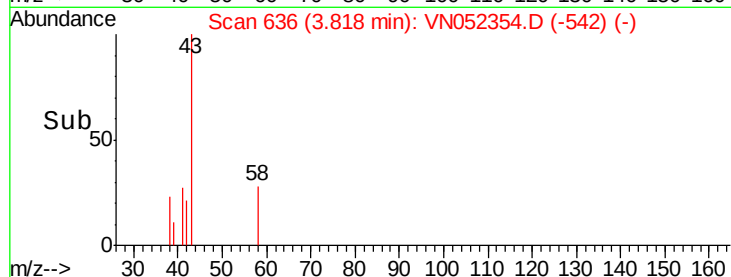
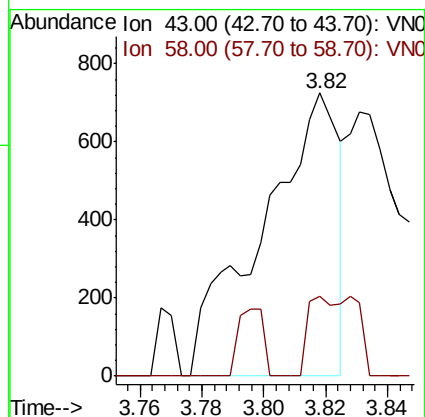
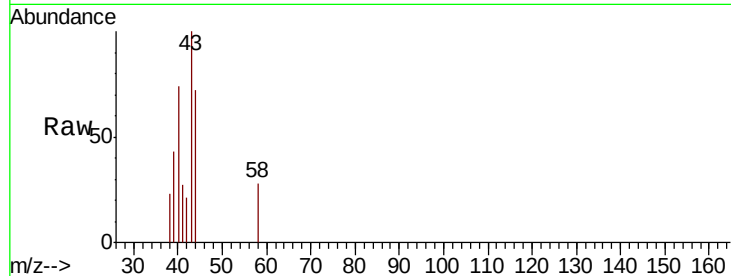
VN1116WBL02

Tot Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 28.4 24.2 36.4



#18

Methyl Acetate

Concen: 0.471 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052354.D

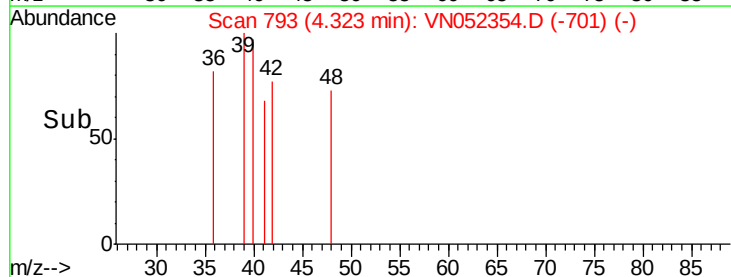
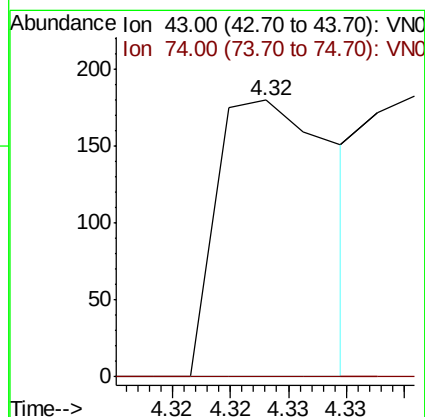
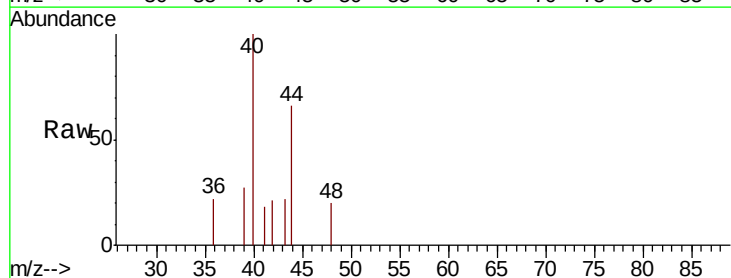
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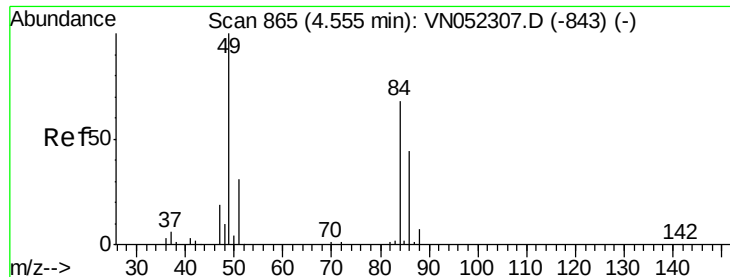
Tgt Ion: 43 Resp: 128

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#

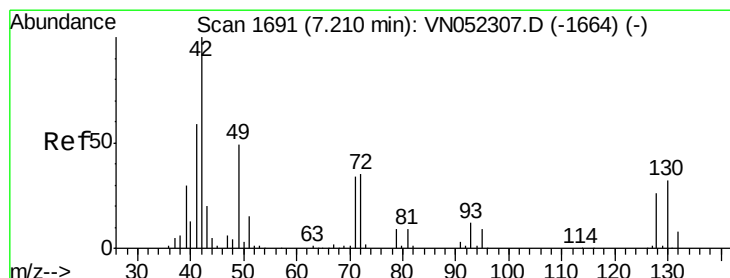
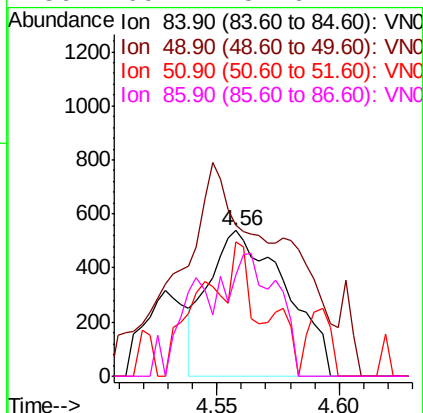
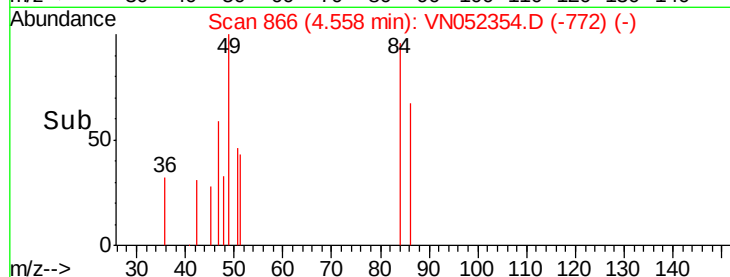
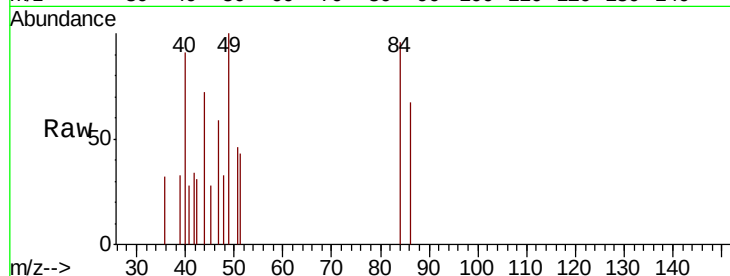




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052354.D
Acq: 16 Nov 2018 10:30

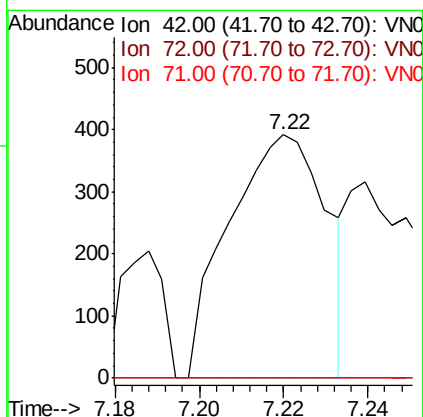
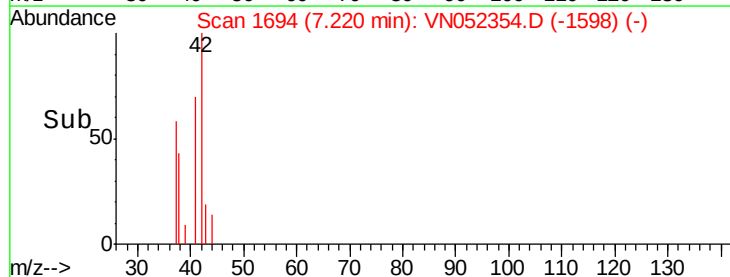
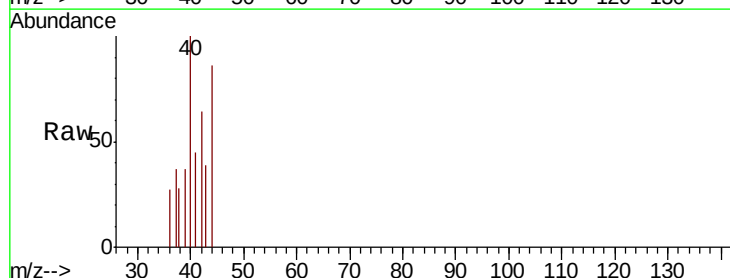
Instrument :
MSVOA_N
ClientSampleId :
VN1116WBL02

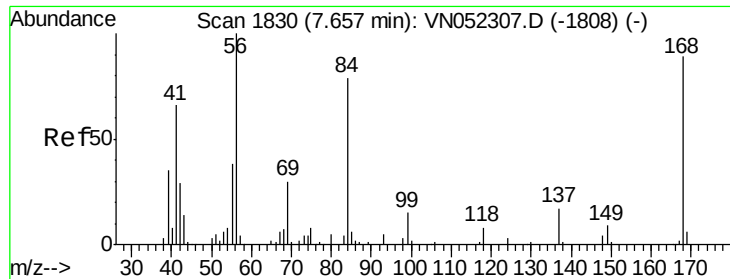
Tot Ion: 84 Resp: 1189
Ion Ratio Lower Upper
84 100
49 70.1 118.2 177.2#
51 92.6 36.1 54.1#
86 69.1 51.6 77.4



#29
Tetrahydrofuran
Concen: 0.586 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052354.D
Acq: 16 Nov 2018 10:30

Tgt Ion: 42 Resp: 627
Ion Ratio Lower Upper
42 100
72 0.0 28.6 42.8#
71 0.0 26.7 40.1#

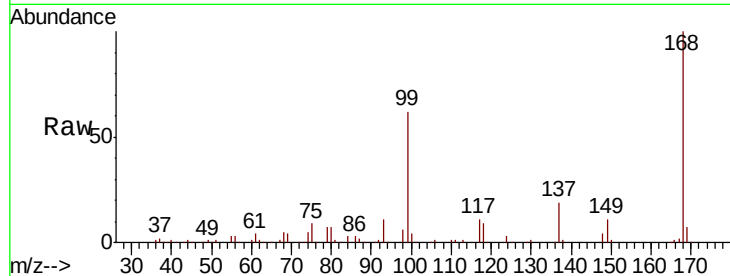




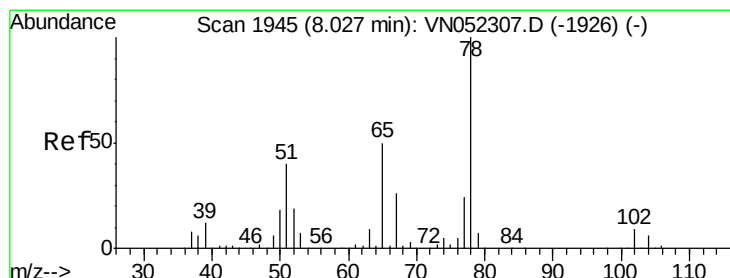
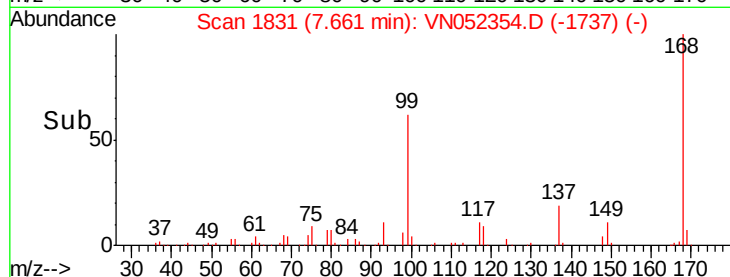
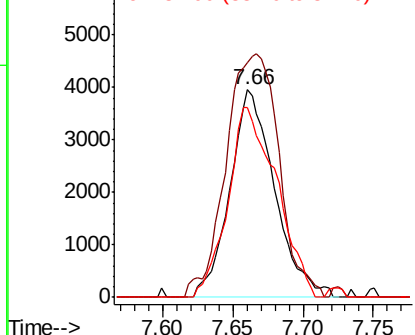
#31
Cyclohexane
Concen: 0.318 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN052354.D
Acq: 16 Nov 2018 10:30

Instrument :
MSVOA_N
ClientSampleId :
VN1116WBL02

Tot Ion: 56 Resp: 8764
Ion Ratio Lower Upper
56 100
69 108.3 23.8 35.8#
84 91.3 63.0 94.6

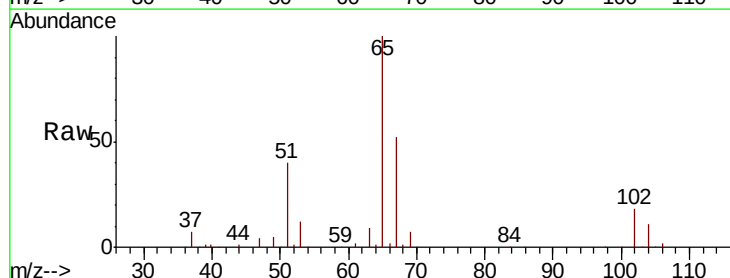


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

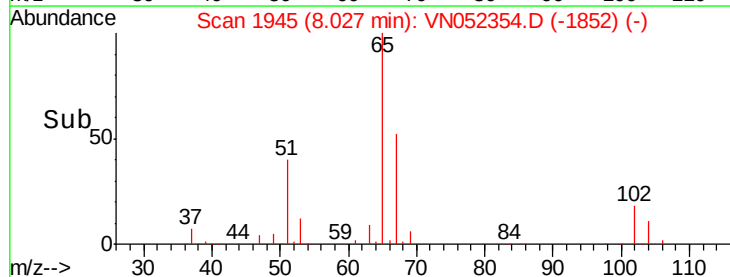
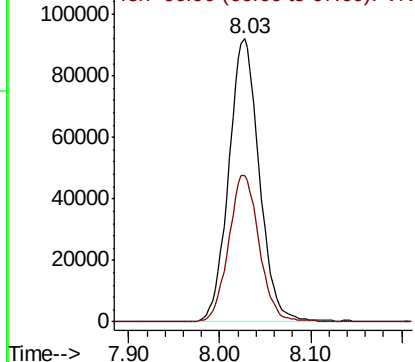


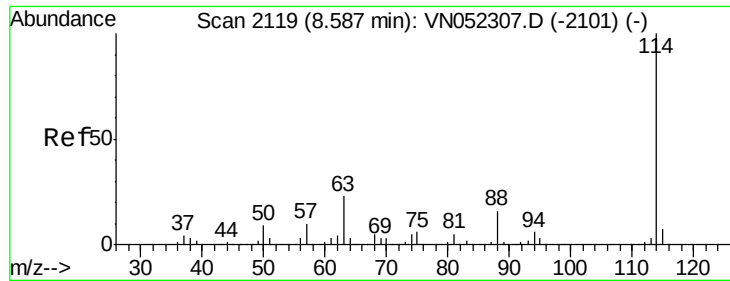
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052354.D
Acq: 16 Nov 2018 10:30

Tgt Ion: 65 Resp: 214798
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

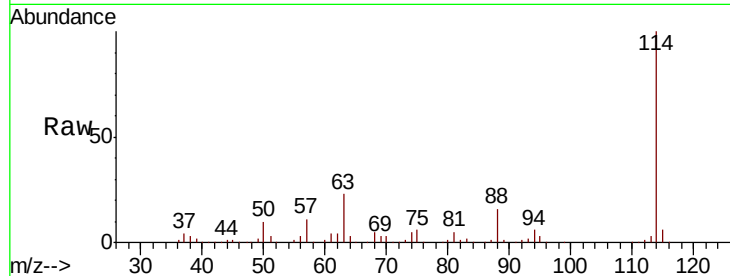




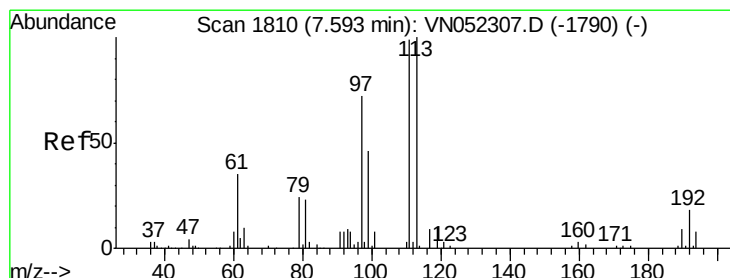
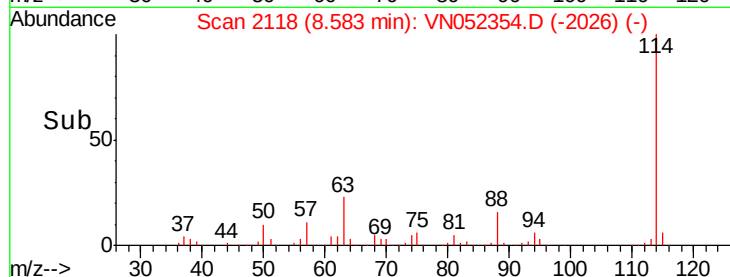
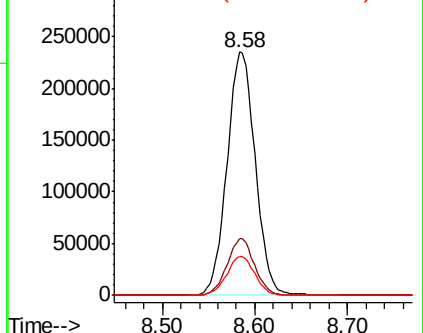
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052354.D
 Acq: 16 Nov 2018 10:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1116WBL02

Tot Ion:114 Resp: 496370
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.4
 88 16.2 0.0 31.2

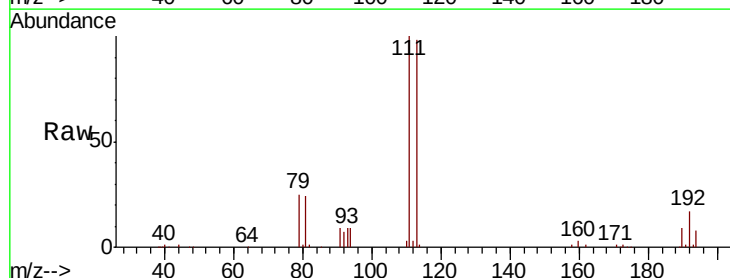


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

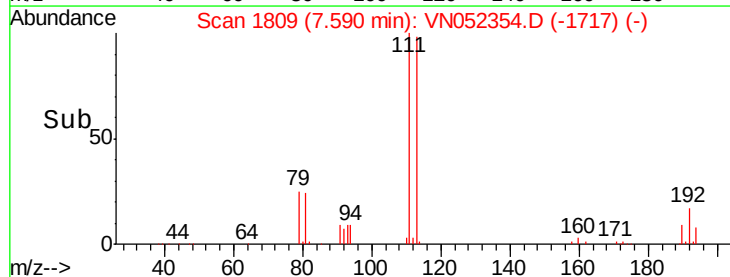
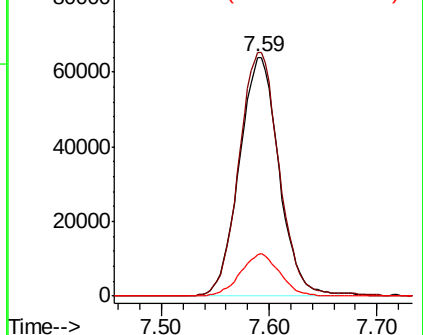


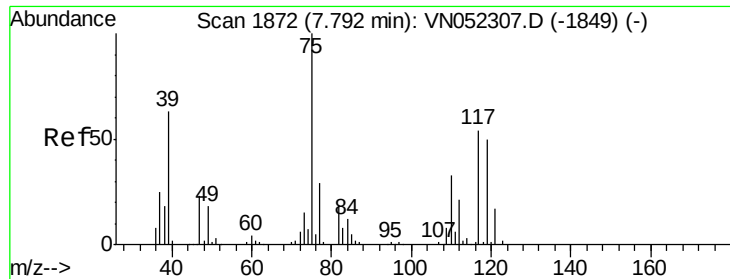
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052354.D
 Acq: 16 Nov 2018 10:30

Tgt Ion:113 Resp: 163467
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.6
 192 17.4 13.8 20.6



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

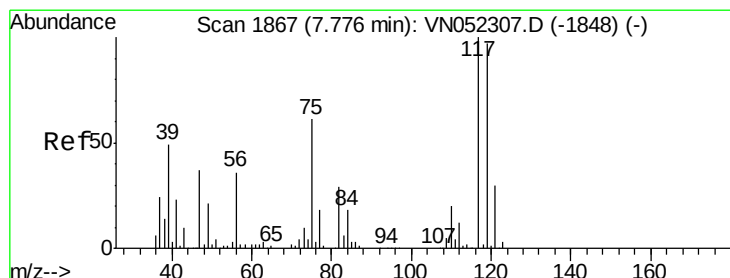
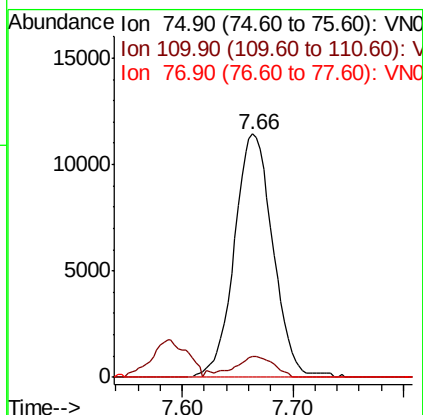
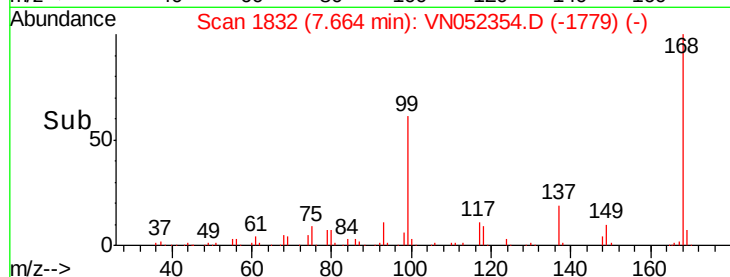
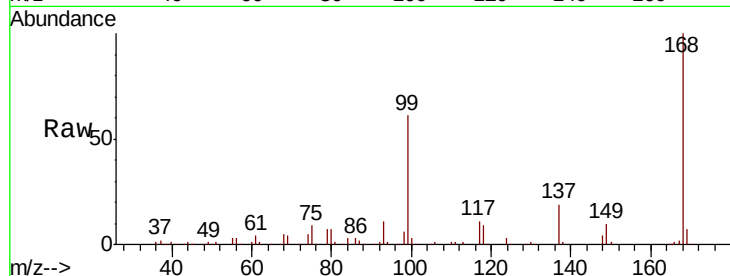




#36
 1,1-Dichloropropene
 Concen: 5.568 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052354.D
 Acq: 16 Nov 2018 10:30

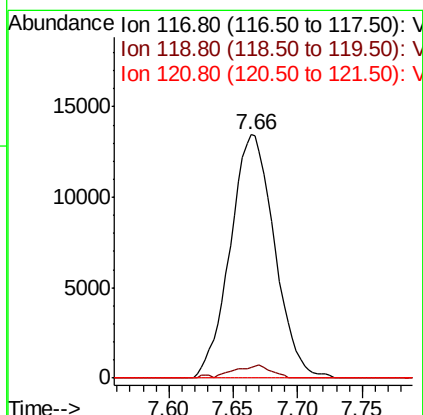
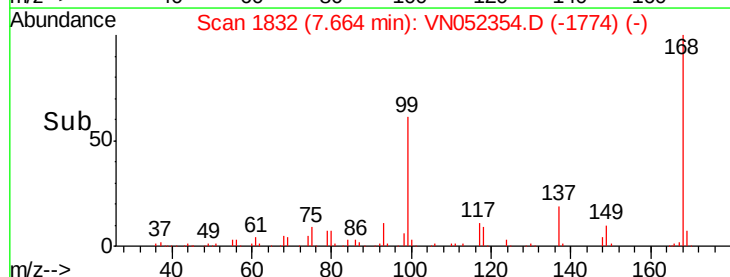
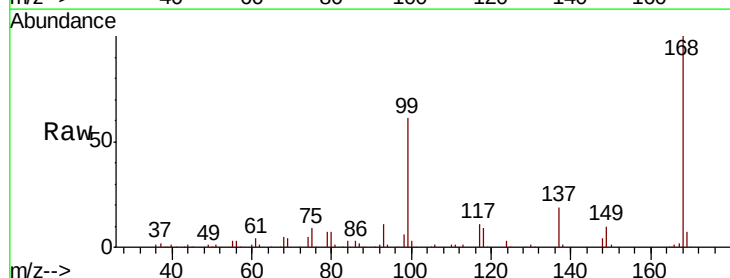
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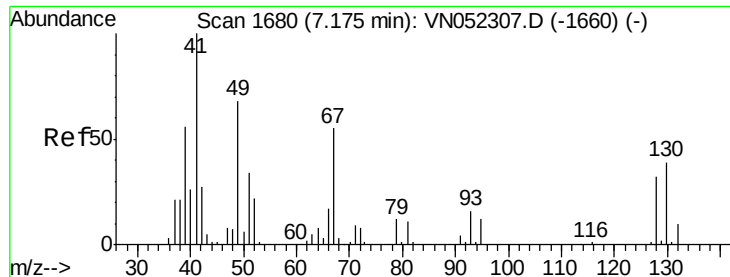
Tot Ion: 75 Resp: 27699
 Ion Ratio Lower Upper
 75 100
 110 8.5 16.5 49.5#
 77 0.0 24.2 36.2#



#38
 Carbon Tetrachloride
 Concen: 7.029 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052354.D
 Acq: 16 Nov 2018 10:30

Tgt Ion: 117 Resp: 32127
 Ion Ratio Lower Upper
 117 100
 119 4.2 77.4 116.0#
 121 0.0 24.0 36.0#

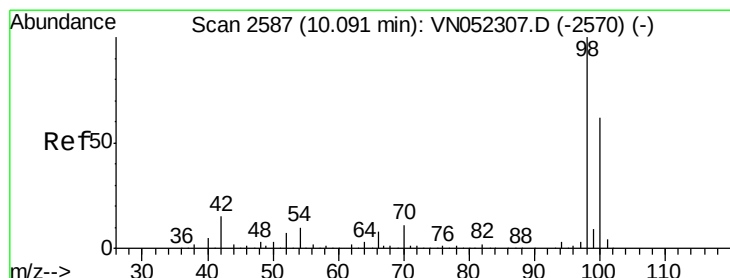
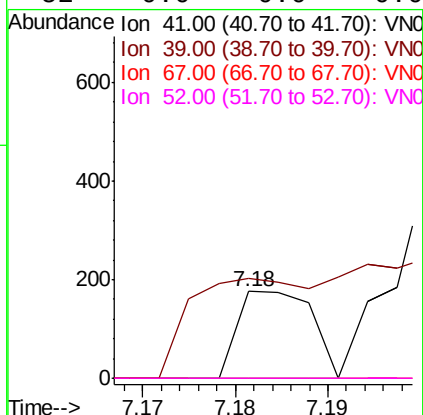
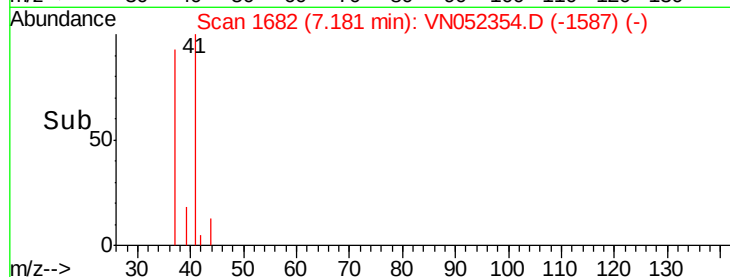
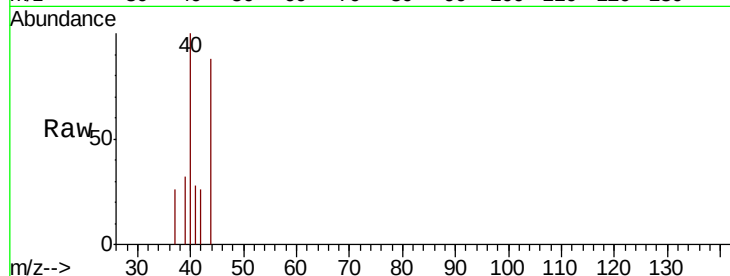




#41
Methacrylonitrile
Concen: 3.740 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.01 min
Lab File: VN052354.D
Acq: 16 Nov 2018 10:30

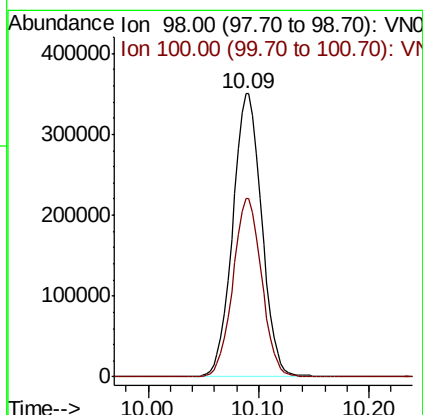
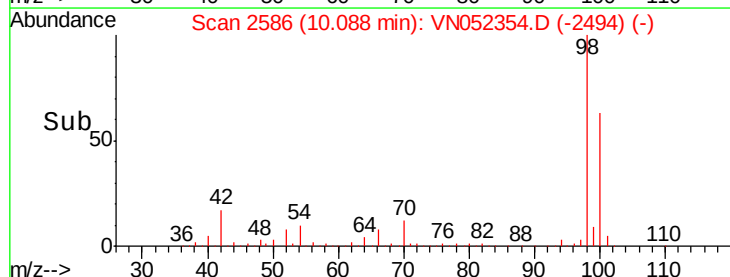
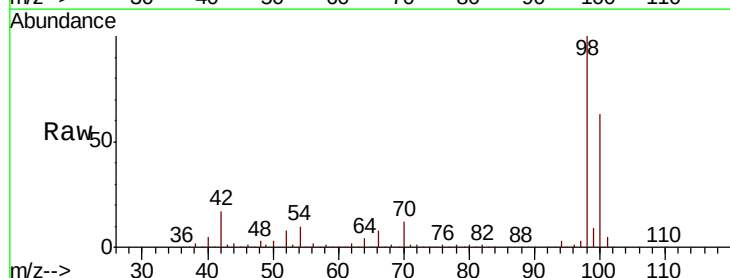
Instrument :
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VN1116WBL02

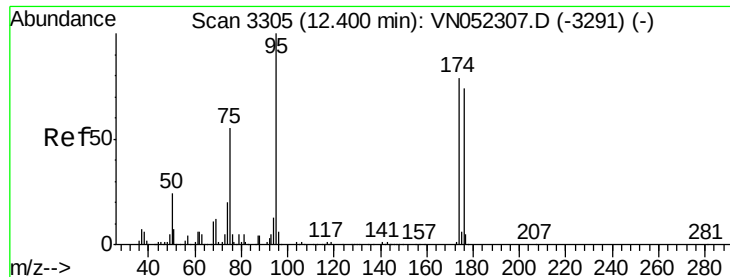
Tot Ion:	41	Resp:	97
Ion	Ratio	Lower	Upper
41	100		
39	185.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052354.D
Acq: 16 Nov 2018 10:30

Tgt Ion:	98	Resp:	638822
Ion	Ratio	Lower	Upper
98	100		
100	62.4	49.5	74.3





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052354.D

Acq: 16 Nov 2018 10:30

Instrument :

MSVOA_N

ClientSampleId :

VN1116WBL02

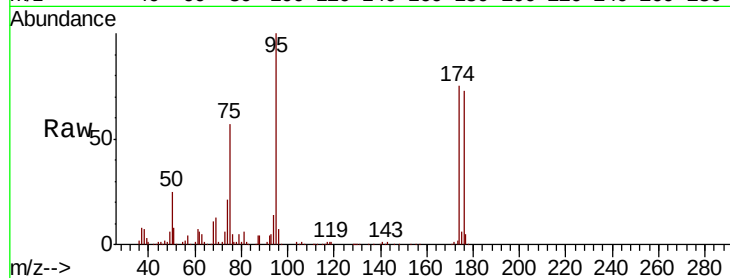
Tot Ion: 95 Resp: 188150

Ion Ratio Lower Upper

95 100

174 74.5 0.0 156.0

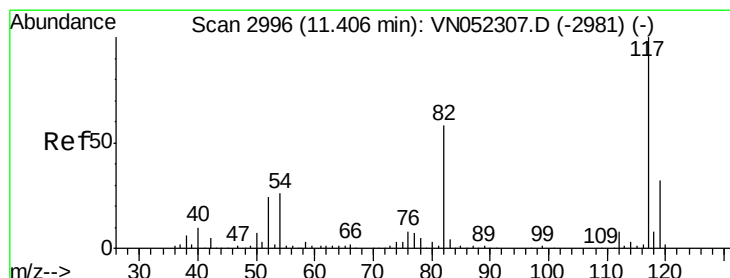
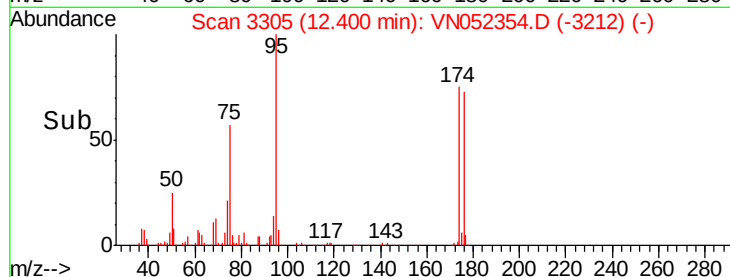
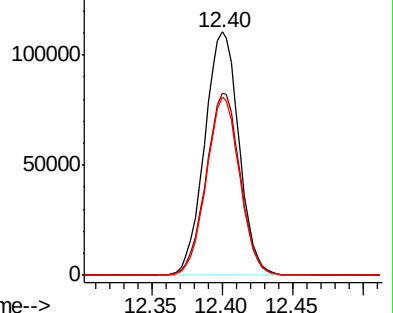
176 71.5 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052307.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052307.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052307.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN052354.D

Acq: 16 Nov 2018 10:30

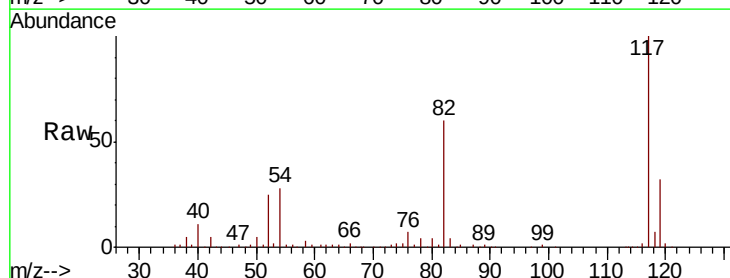
Tgt Ion: 117 Resp: 414359

Ion Ratio Lower Upper

117 100

82 60.4 46.5 69.7

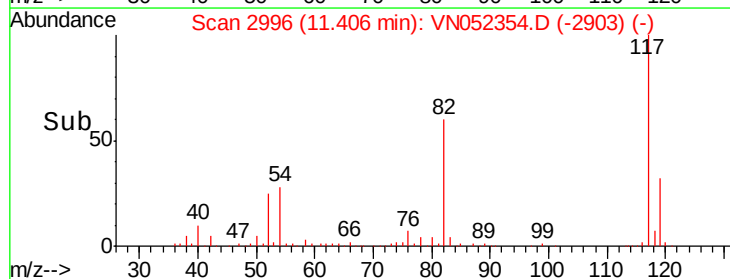
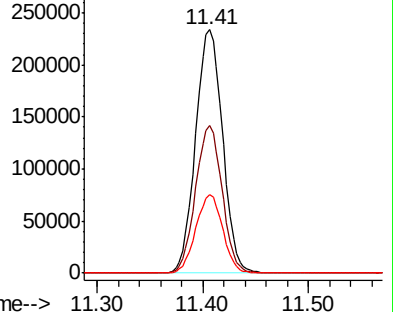
119 32.3 25.7 38.5

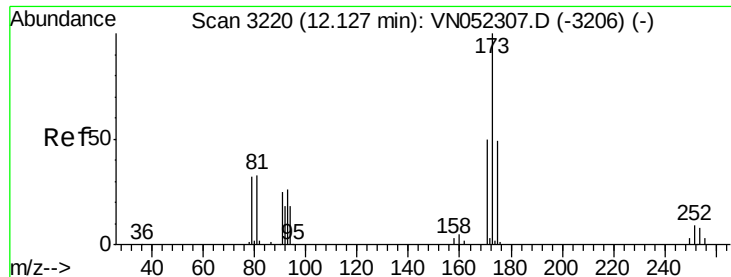


Abundance Ion 116.90 (116.60 to 117.60): VN052307.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN052307.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN052307.D (-2981) (-)





#71

Bromoform

Concen: 0.411 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052354.D

Acq: 16 Nov 2018 10:30

Instrument :

MSVOA_N

ClientSampled :

VN1116WBL02

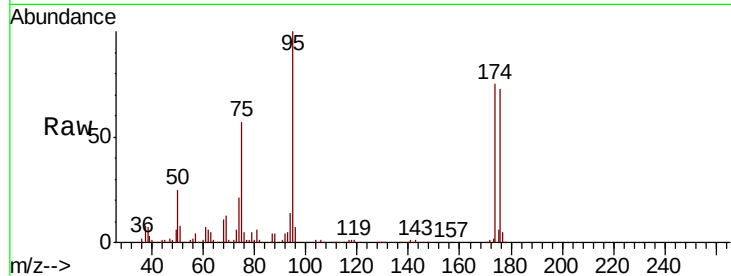
Tot Ion:173 Resp: 725

Ion Ratio Lower Upper

173 100

175 1390.1 25.0 75.0#

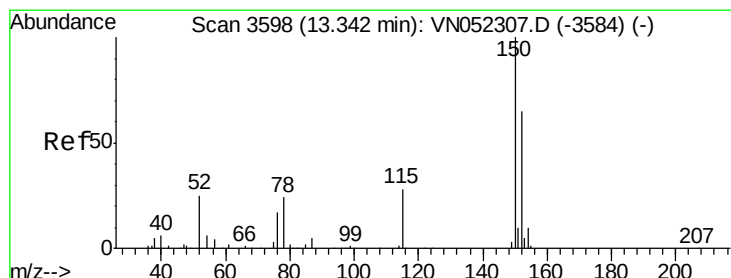
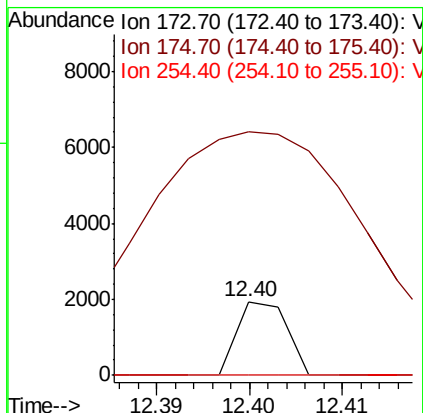
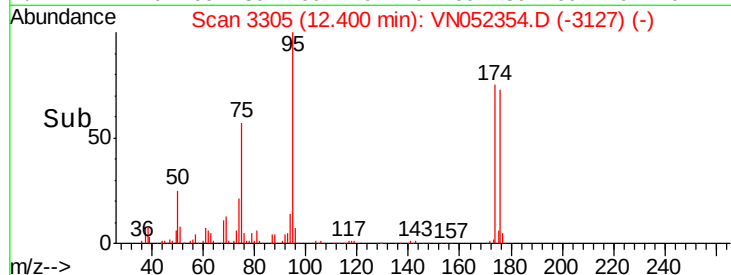
254 0.0 0.0 0.0



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: VN052354.D

Acq: 16 Nov 2018 10:30

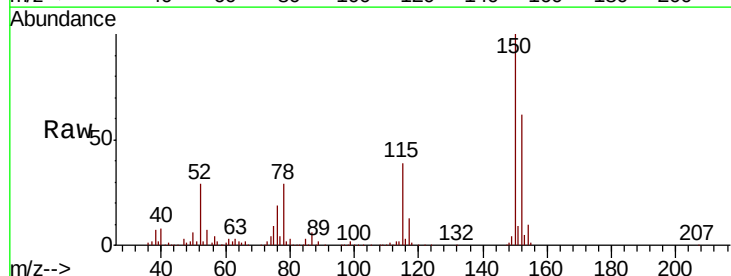
Tgt Ion:152 Resp: 145131

Ion Ratio Lower Upper

152 100

115 60.3 30.3 91.0

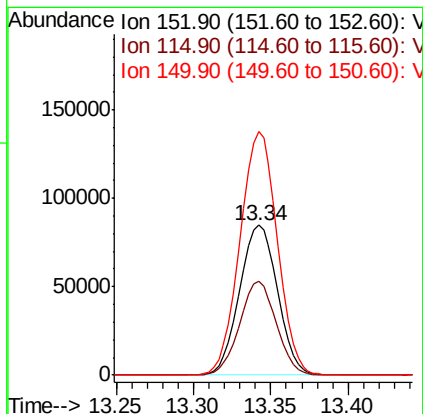
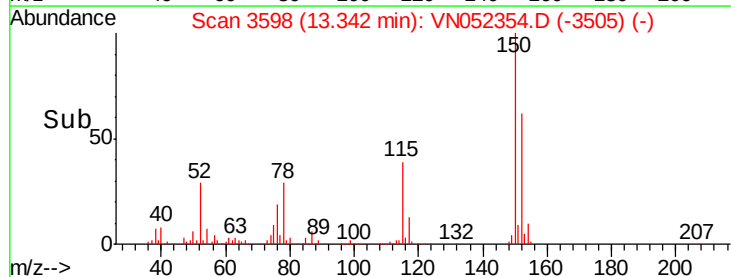
150 159.4 0.0 348.2

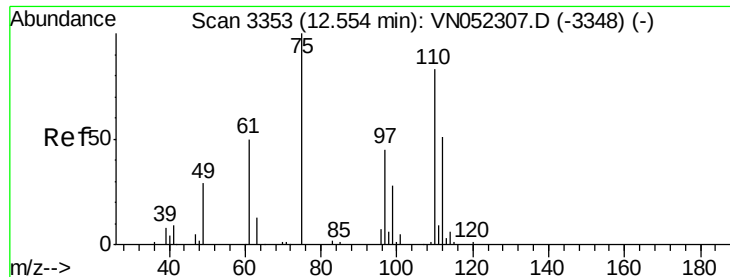


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 43.392 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052354.D

Acq: 16 Nov 2018 10:30

Instrument :

MSVOA_N

ClientSampled :

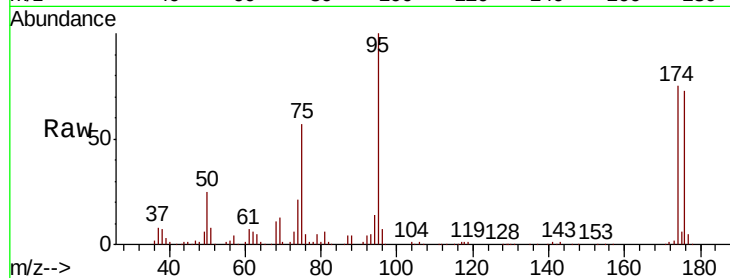
VN1116WBL02

Tot Ion: 75 Resp: 106857

Ion Ratio Lower Upper

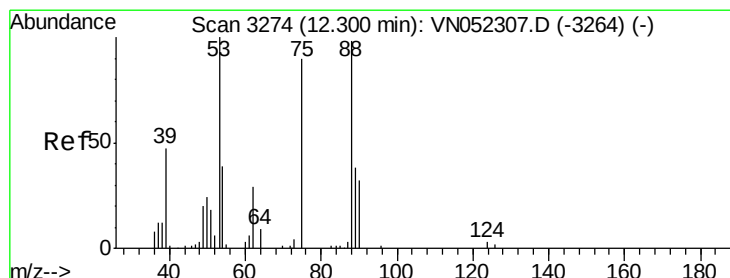
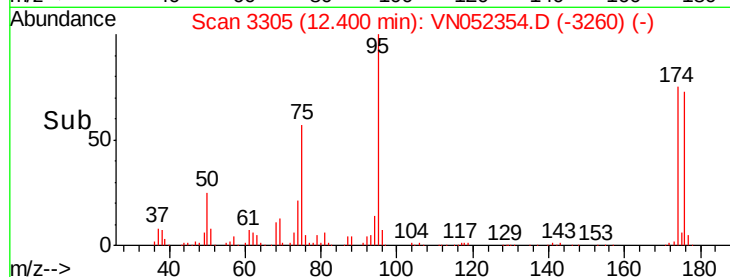
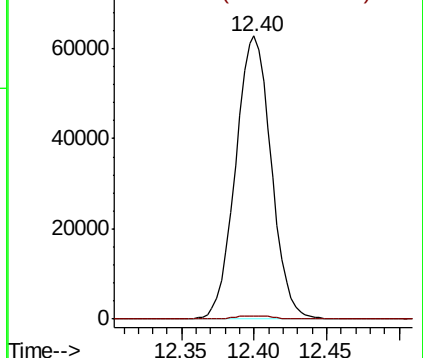
75 100

77 1.2 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: 140.737 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052354.D

Acq: 16 Nov 2018 10:30

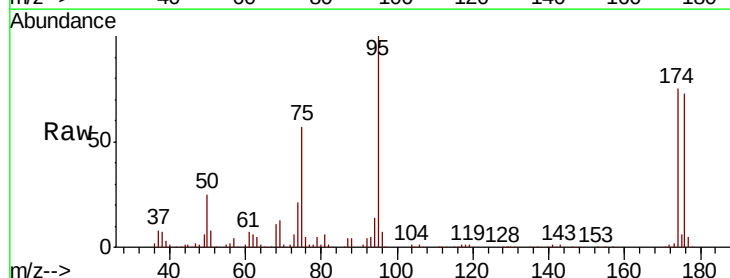
Tgt Ion: 75 Resp: 106857

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

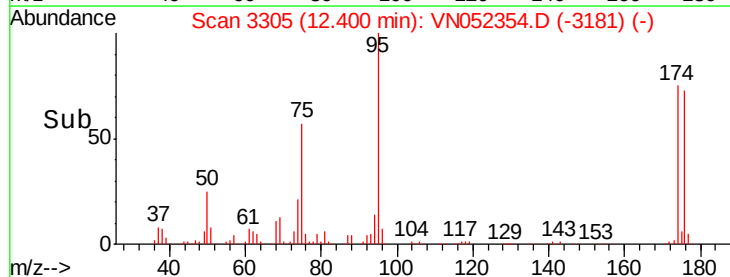
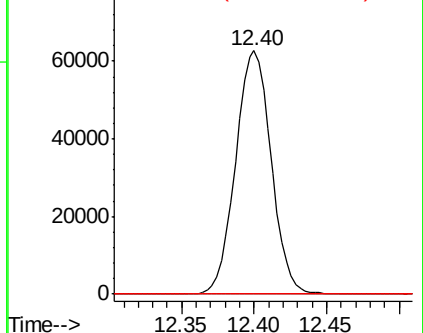
89 0.0 35.4 53.0#

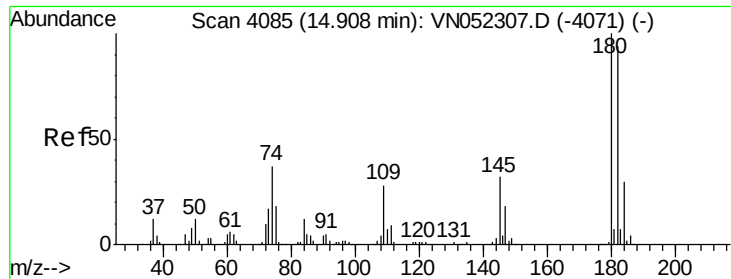


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

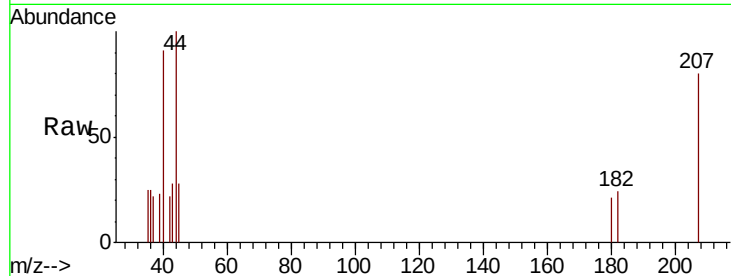




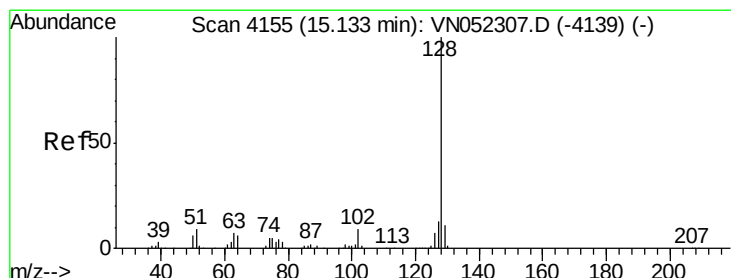
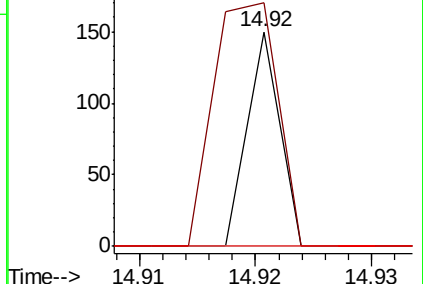
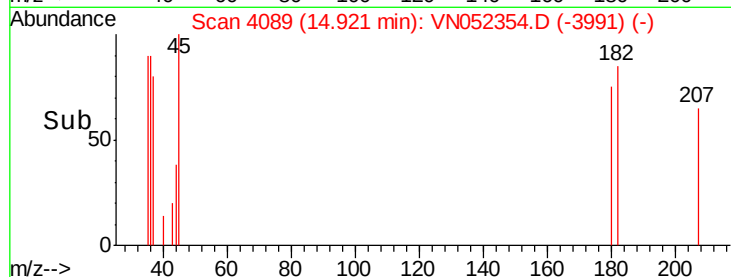
#93
 1,2,4-Trichlorobenzene
 Concen: 2.270 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.01 min
 Lab File: VN052354.D
 Acq: 16 Nov 2018 10:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN1116WBL02

Tot Ion:180 Resp: 29
 Ion Ratio Lower Upper
 180 100
 182 220.7 47.6 142.9#
 145 0.0 15.5 46.5#

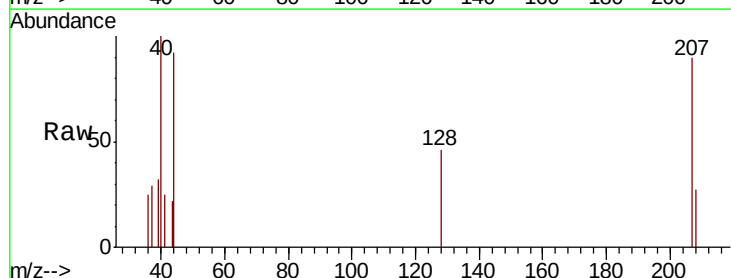


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 2.658 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN052354.D
 Acq: 16 Nov 2018 10:30

Tgt Ion:128 Resp: 291
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.4 15.6#
 129 0.0 8.6 13.0#



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

