

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059159.D
 Acq On : 11 Nov 2019 14:31
 Operator : JC/SP
 Sample : K5769-16
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-317D-SRI4

Quant Time: Nov 12 00:42:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	418219	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	653131	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	558371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	191061	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	284500	55.34	ug/l	0.00
Spiked Amount			Recovery	=	110.68%	
35) Dibromofluoromethane	7.57	113	211727	54.29	ug/l	0.00
Spiked Amount			Recovery	=	108.58%	
50) Toluene-d8	10.08	98	815424	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
62) 4-Bromofluorobenzene	12.40	95	253669	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	

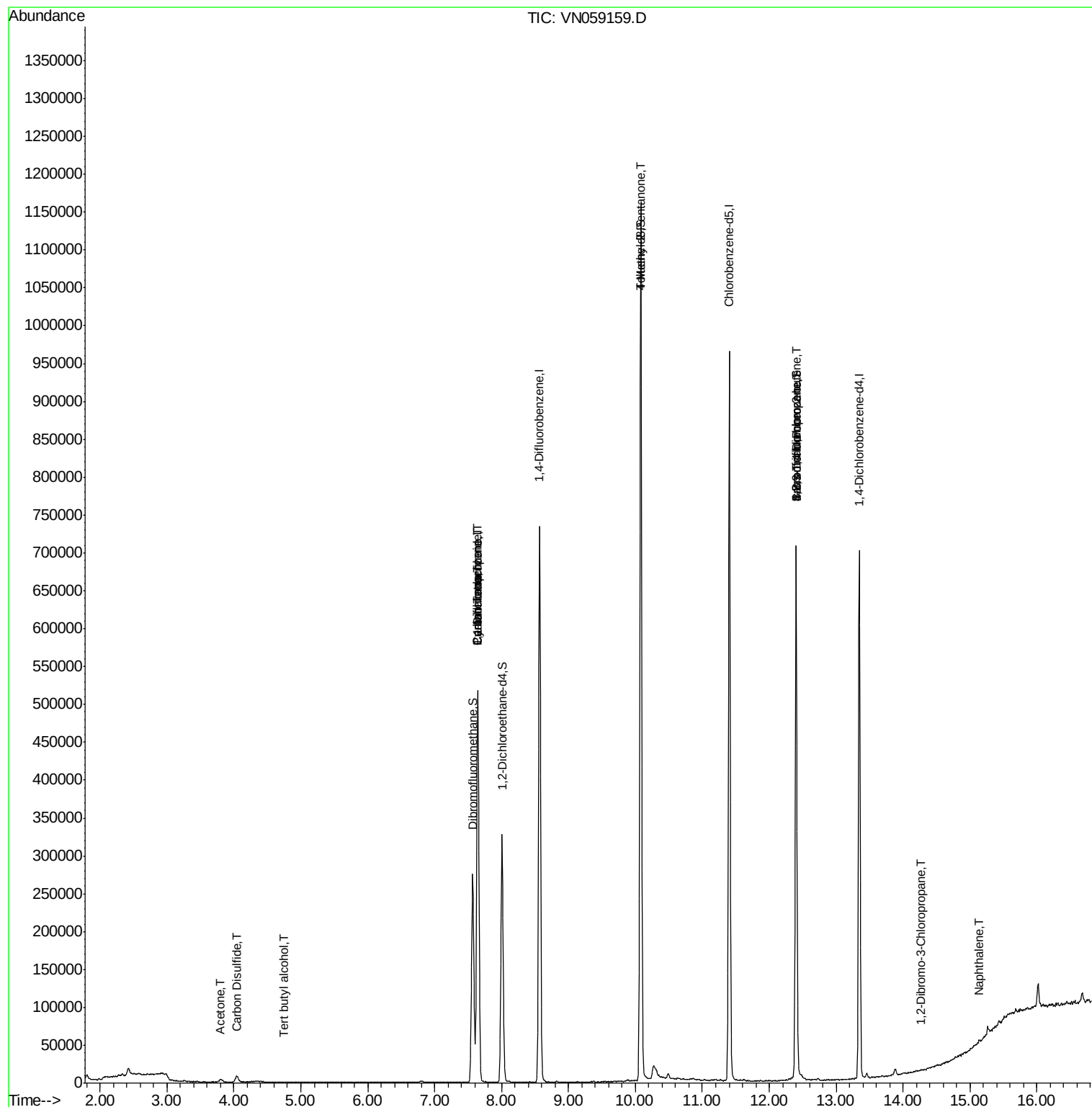
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	290	0.296	ug/l #	72
16) Acetone	3.80	43	6775	2.534	ug/l #	85
17) Carbon Disulfide	4.03	76	2879	0.238	ug/l #	79
31) Cyclohexane	7.64	56	8637	1.079	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32395	5.306	ug/l #	49
38) Carbon Tetrachloride	7.64	117	40782	6.712	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3593	0.586	ug/l #	1
71) Bromoform	12.40	173	1323	0.417	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	128612	29.567	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128612	78.095	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.26	75	227	0.267	ug/l #	3
95) Naphthalene	15.13	128	460	3.089	ug/l #	70

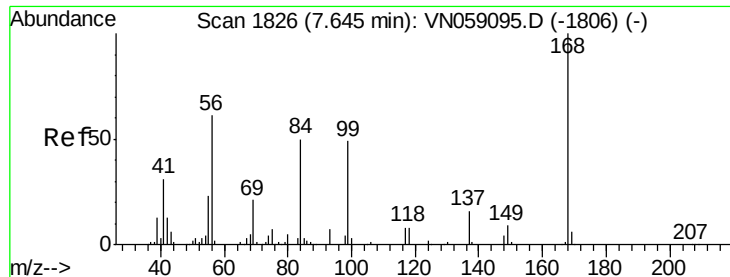
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111119\
Data File : VN059159.D
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ClientSampled :
MW-317D-SRI4

Quant Time: Nov 12 00:42:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

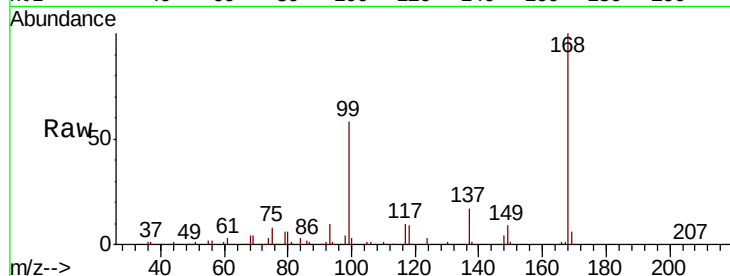
MW-317D-SRI4

Tot Ion:168 Resp: 418219

Ion Ratio Lower Upper

168 100

99 57.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

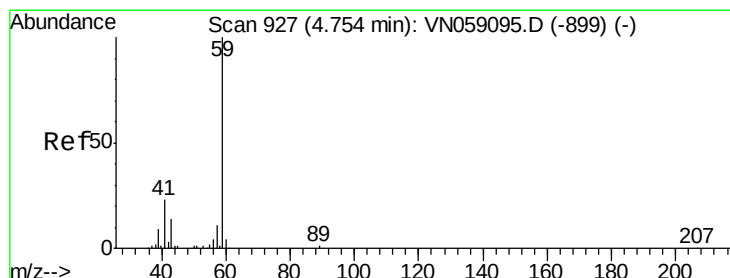
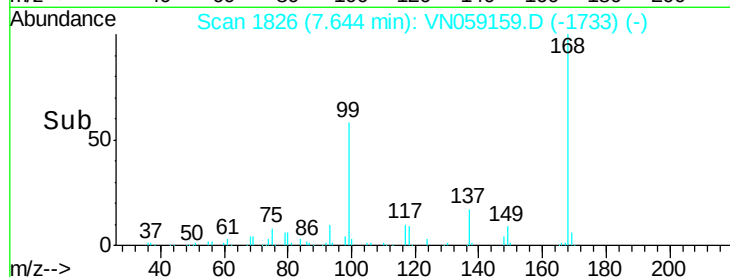
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.296 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN059159.D

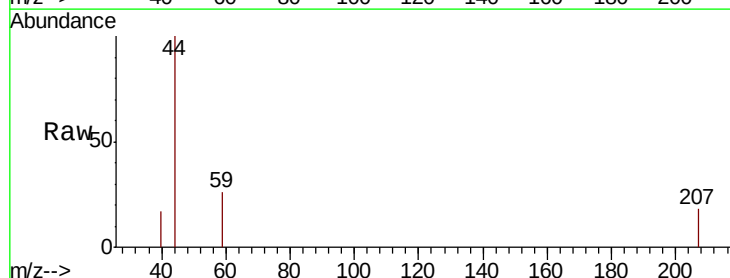
Acq: 11 Nov 2019 14:31

Tgt Ion: 59 Resp: 290

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.75

250

200

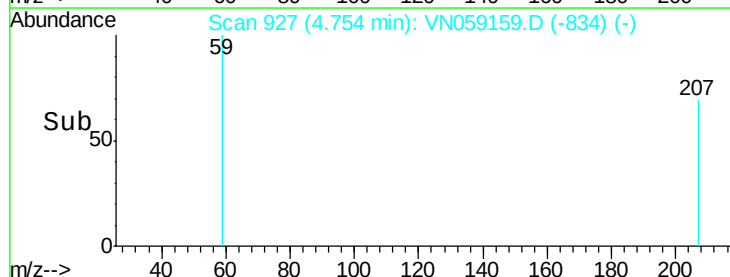
150

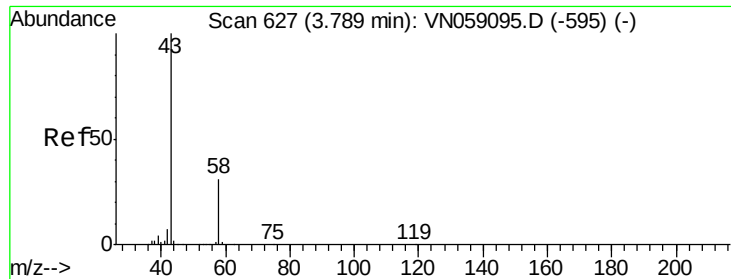
100

50

0

Time-->





#16

Acetone

Concen: 2.534 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

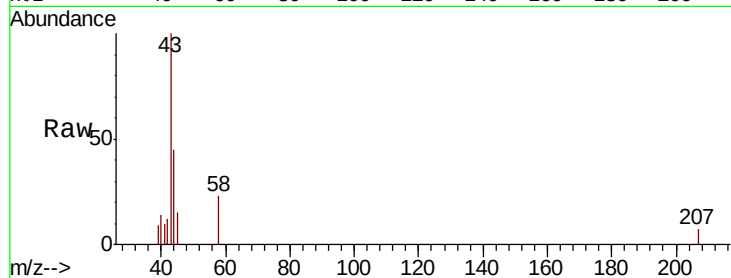
MW-317D-SRI4

Tot Ion: 43 Resp: 6775

Ion Ratio Lower Upper

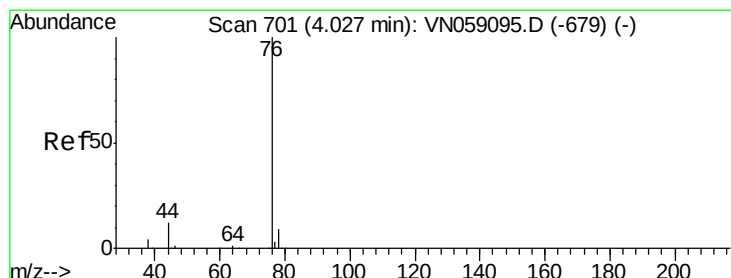
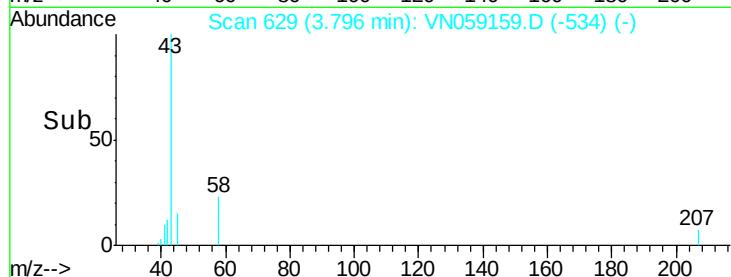
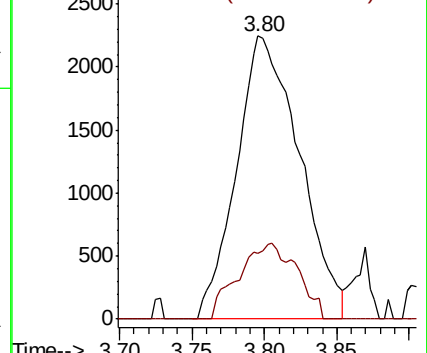
43 100

58 23.0 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: 0.238 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059159.D

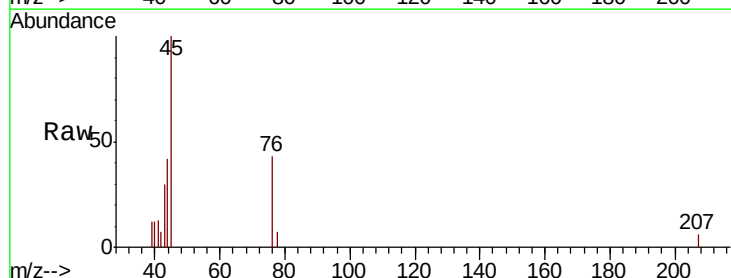
Acq: 11 Nov 2019 14:31

Tgt Ion: 76 Resp: 2879

Ion Ratio Lower Upper

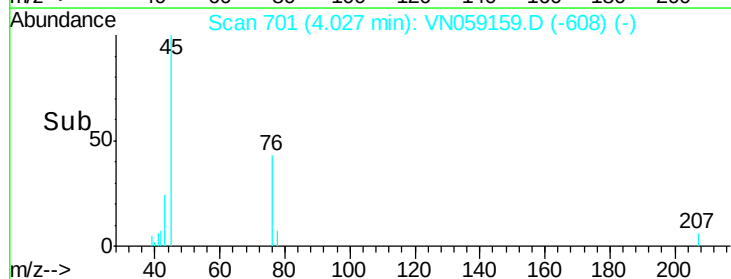
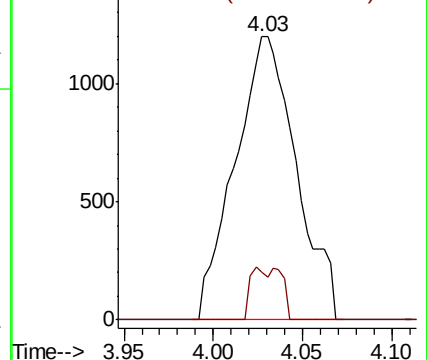
76 100

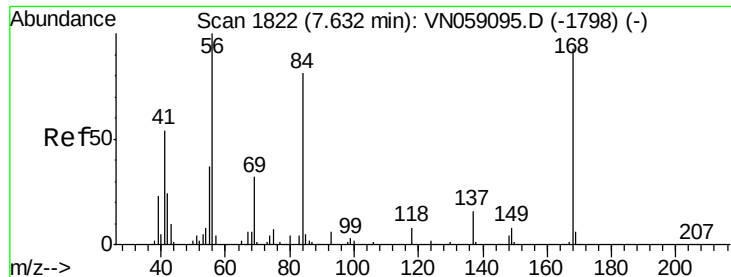
78 16.7 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

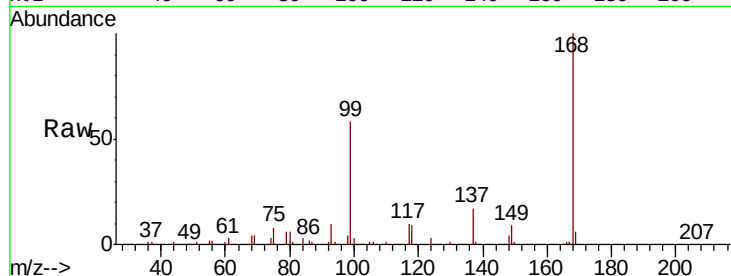




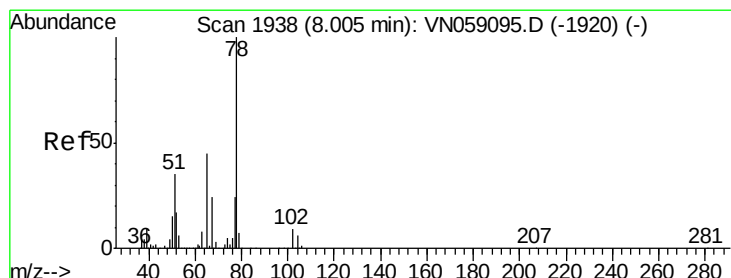
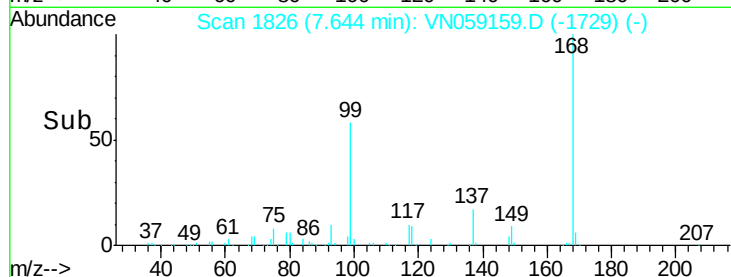
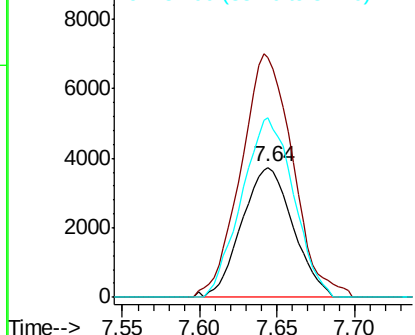
#31
Cyclohexane
Concen: 1.079 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059159.D
Acq: 11 Nov 2019 14:31

Instrument :
MSVOA_N
ClientSampleId :
MW-317D-SRI4

Tot Ion: 56 Resp: 8637
Ion Ratio Lower Upper
56 100
69 184.8 25.8 38.8#
84 138.0 65.0 97.4#

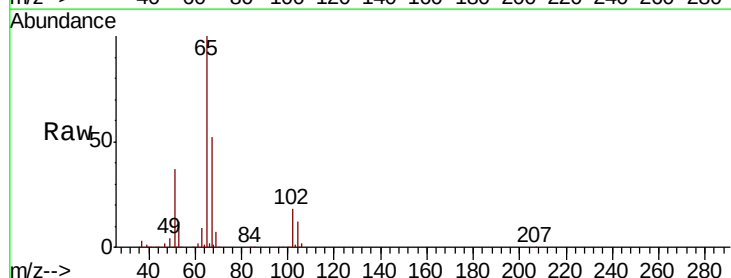


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

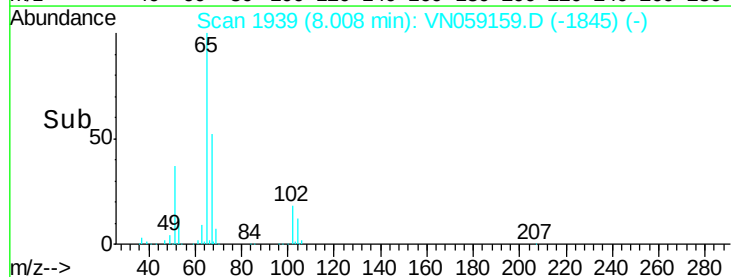
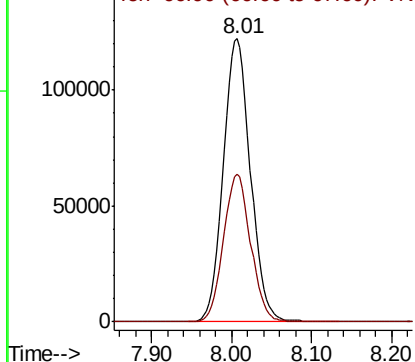


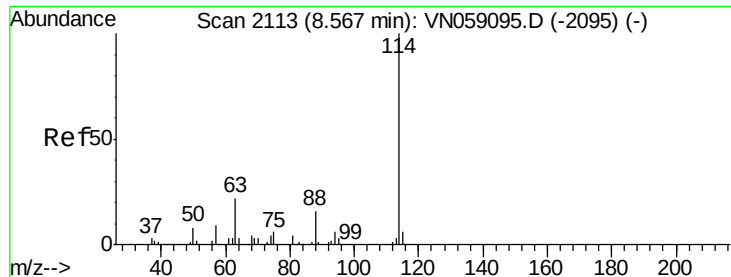
#33
1,2-Dichloroethane-d4
Concen: 55.340 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059159.D
Acq: 11 Nov 2019 14:31

Tgt Ion: 65 Resp: 284500
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

MW-317D-SRI4

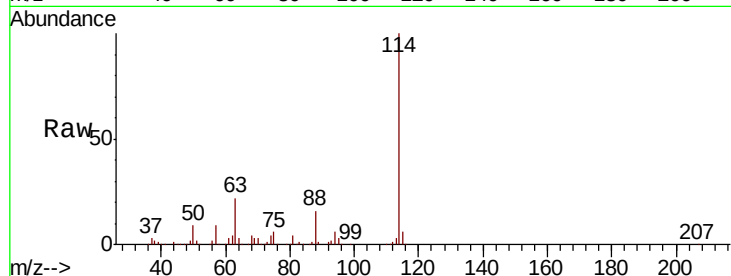
Tot Ion:114 Resp: 653131

Ion Ratio Lower Upper

114 100

63 21.9 0.0 43.4

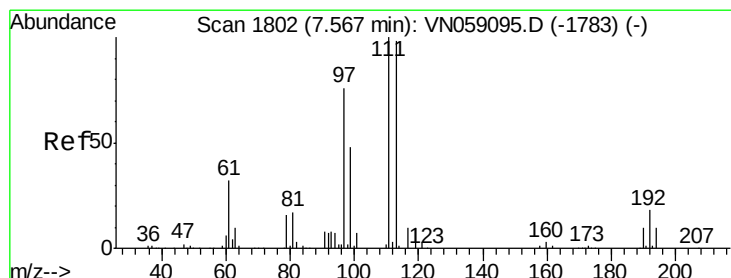
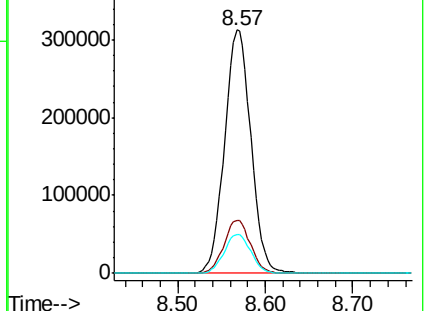
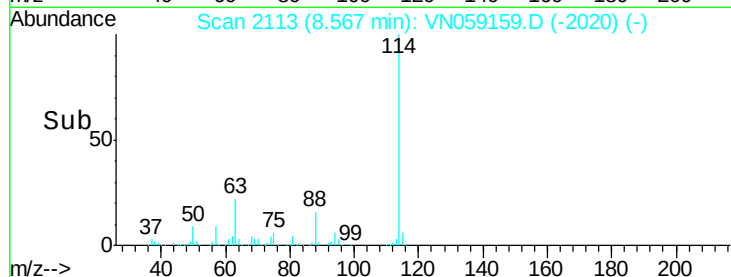
88 16.2 0.0 32.2



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: 54.291 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

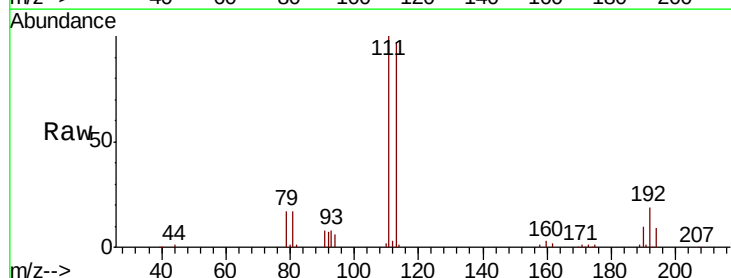
Tgt Ion:113 Resp: 211727

Ion Ratio Lower Upper

113 100

111 103.6 82.8 124.2

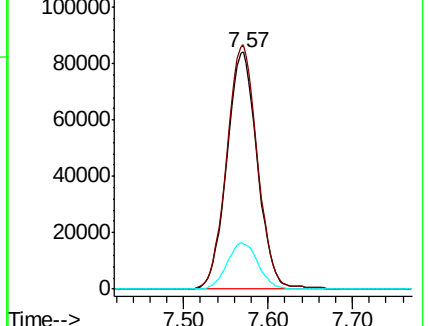
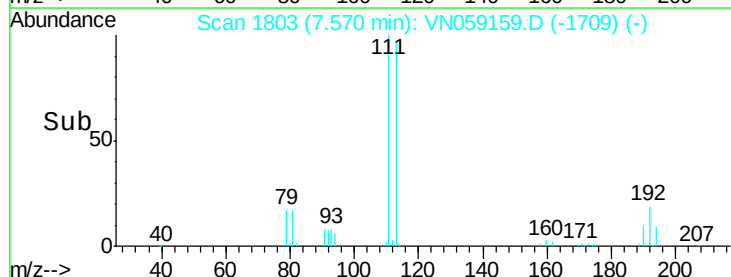
192 19.9 16.1 24.1

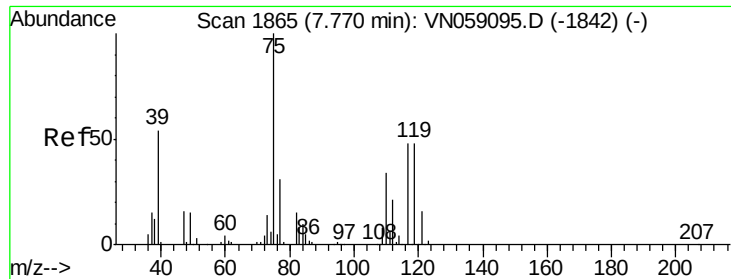


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

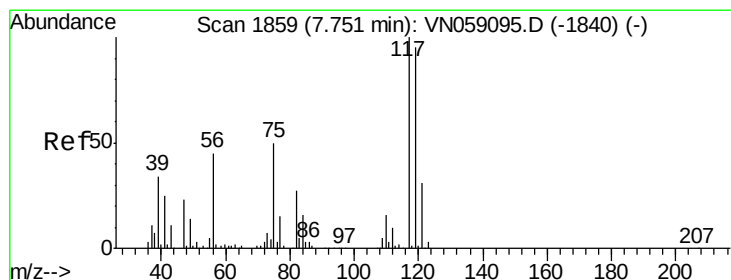
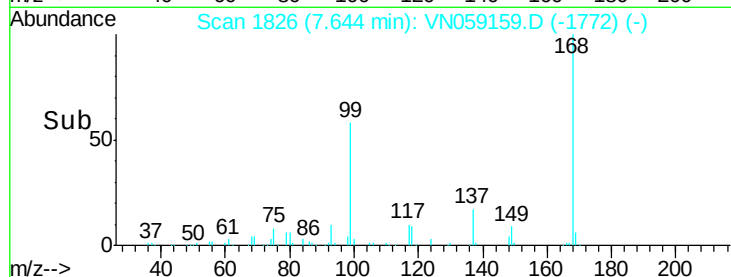
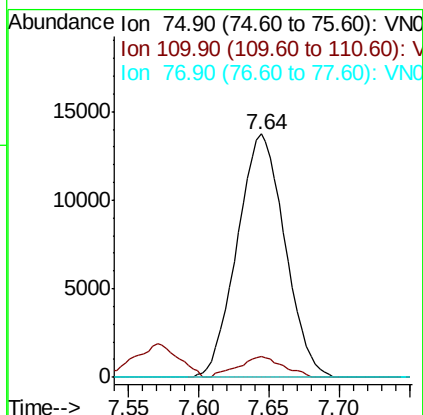
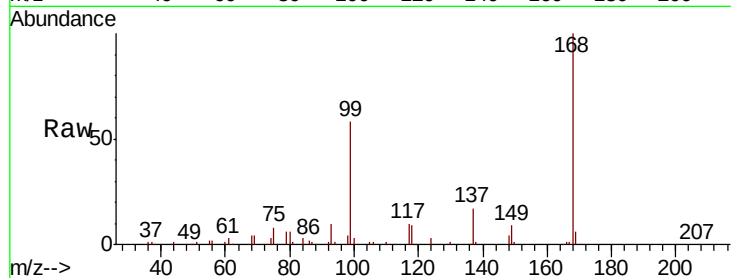




#36
 1,1-Dichloropropene
 Concen: 5.306 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059159.D
 Acq: 11 Nov 2019 14:31

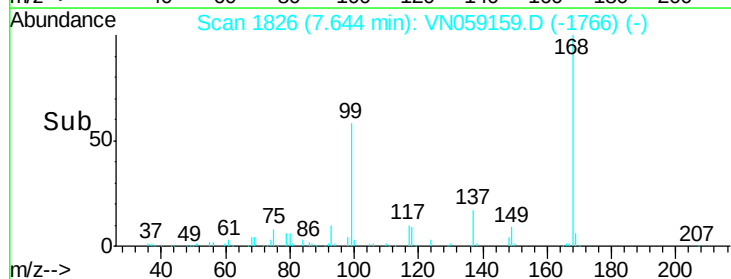
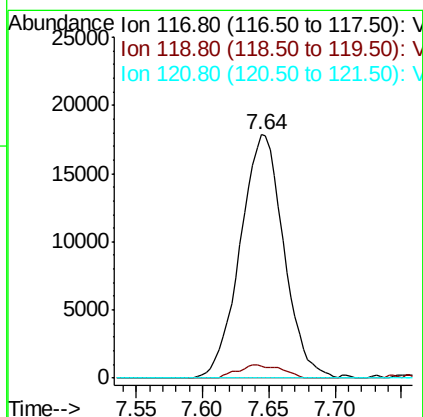
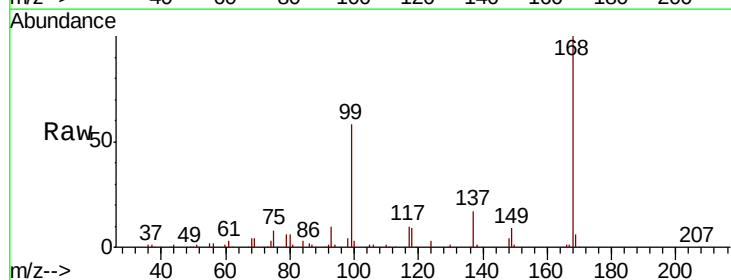
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-317D-SRI4

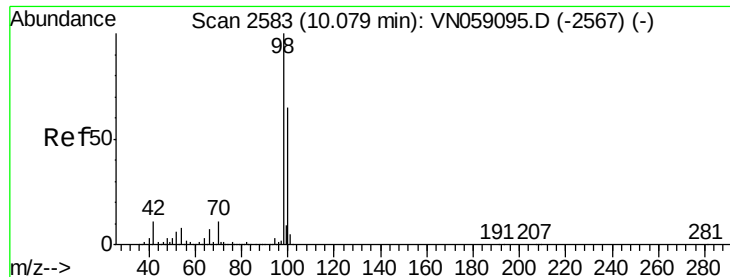
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.712 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059159.D
 Acq: 11 Nov 2019 14:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 53.084 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

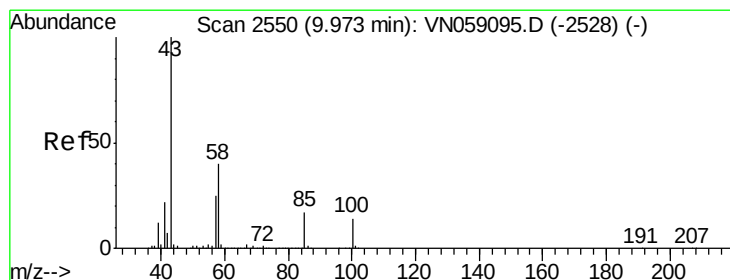
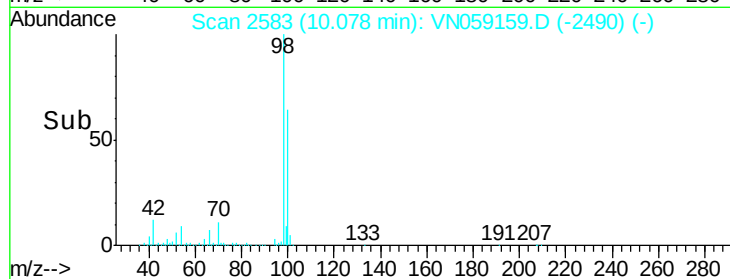
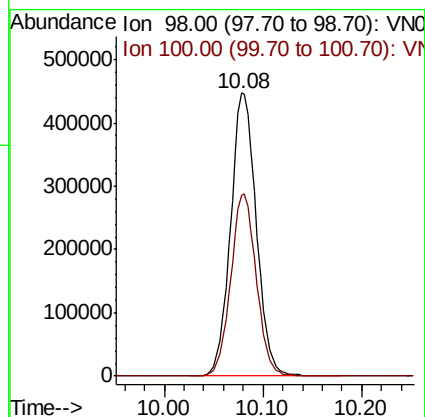
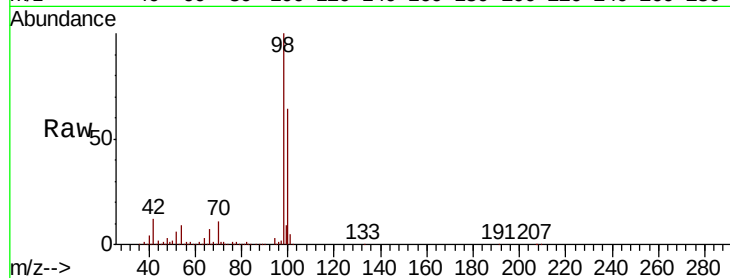
MW-317D-SRI4

Tot Ion: 98 Resp: 815424

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.586 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.11 min

Lab File: VN059159.D

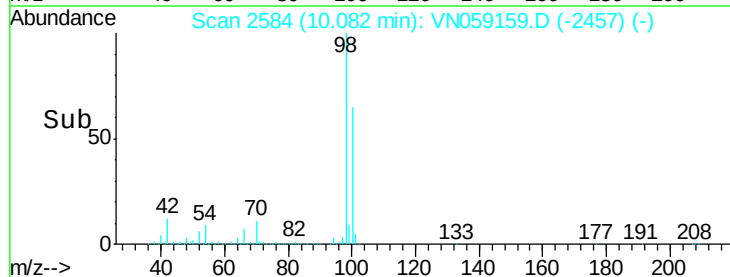
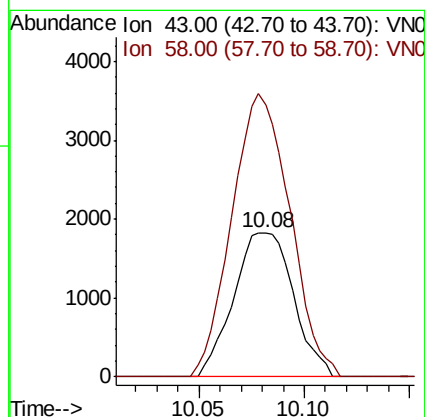
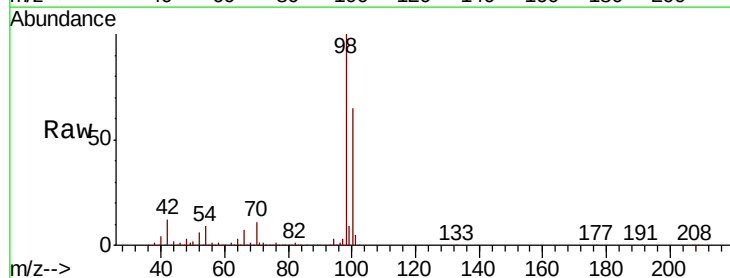
Acq: 11 Nov 2019 14:31

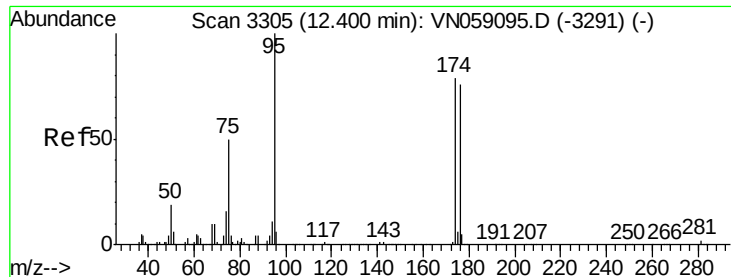
Tgt Ion: 43 Resp: 3593

Ion Ratio Lower Upper

43 100

58 191.3 31.5 47.3#





#62

4-Bromofluorobenzene

Concen: 45.800 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

MW-317D-SRI4

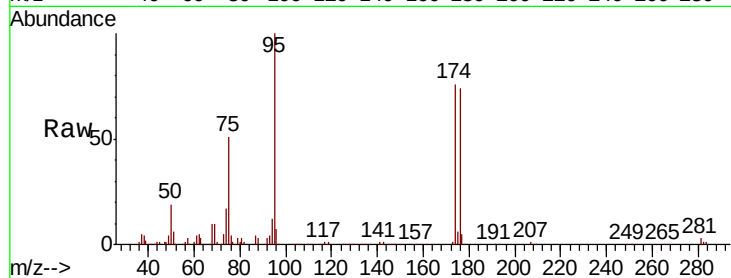
Tot Ion: 95 Resp: 253669

Ion Ratio Lower Upper

95 100

174 76.6 0.0 158.2

176 74.6 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059159.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059159.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059159.D (-3291) (-)

12.40

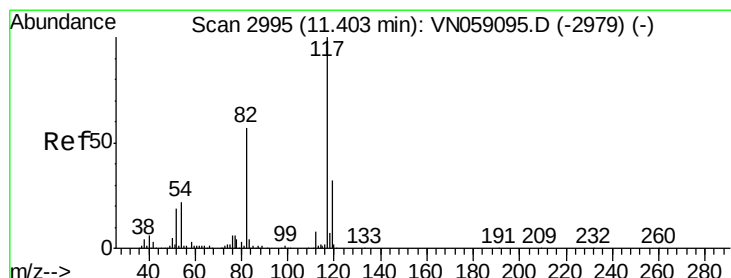
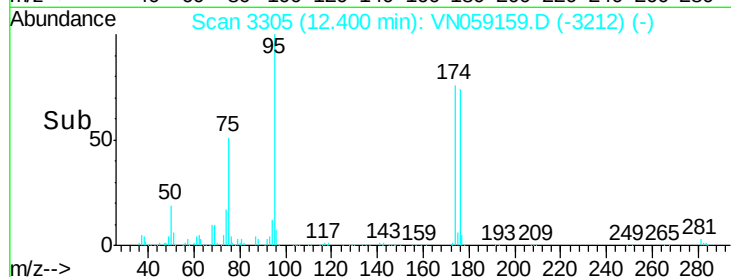
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

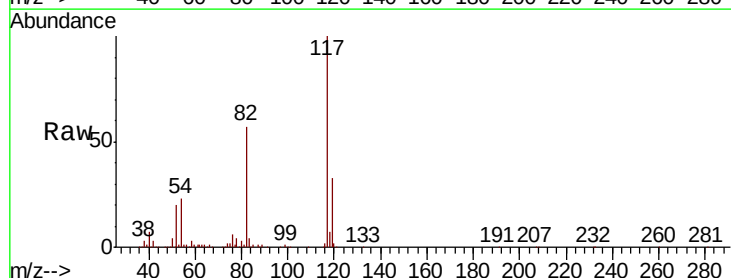
Tgt Ion: 117 Resp: 558371

Ion Ratio Lower Upper

117 100

82 56.8 45.8 68.8

119 32.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN059159.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059159.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059159.D (-2902) (-)

11.40

400000

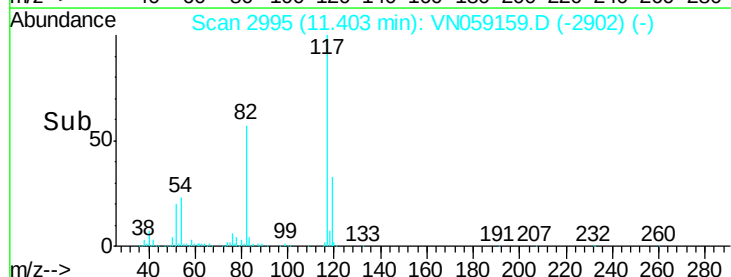
300000

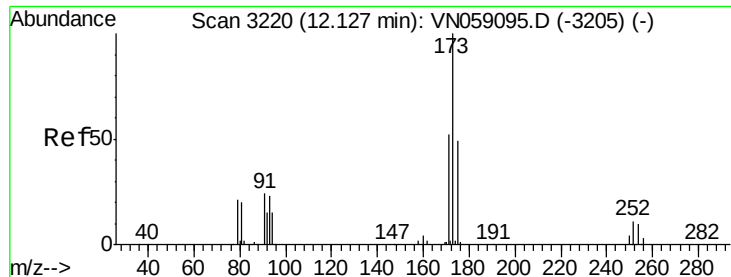
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.417 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

MW-317D-SRI4

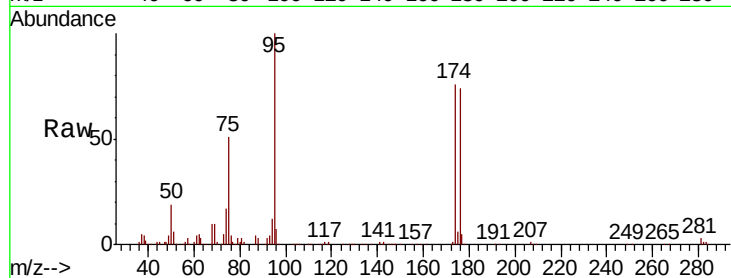
Tot Ion:173 Resp: 1323

Ion Ratio Lower Upper

173 100

175 953.8 24.2 72.6#

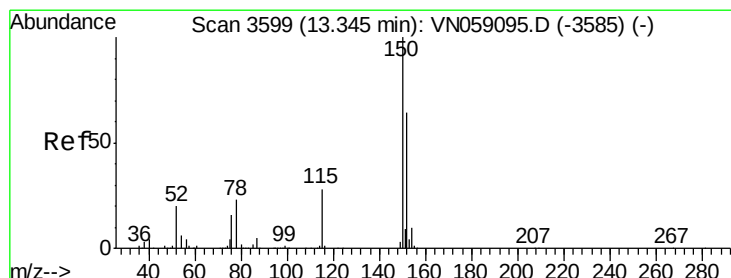
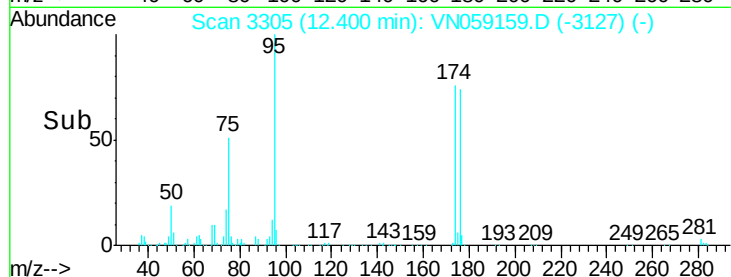
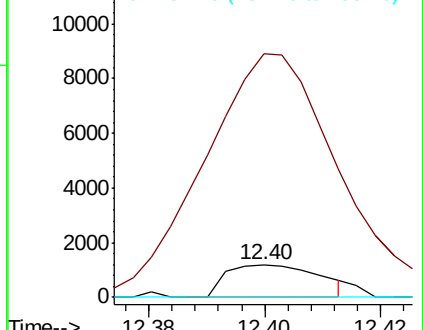
254 0.0 0.1 0.1#



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: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

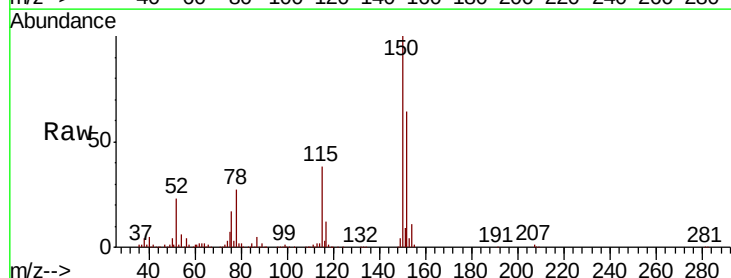
Tgt Ion:152 Resp: 191061

Ion Ratio Lower Upper

152 100

115 61.2 29.4 88.2

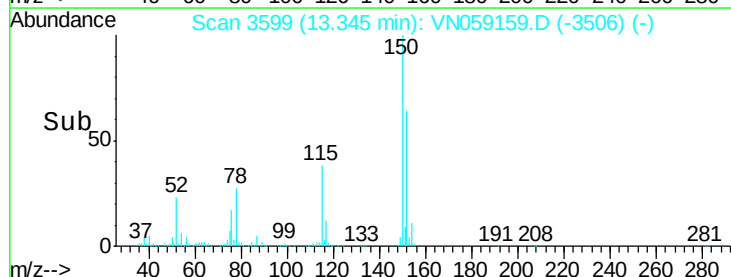
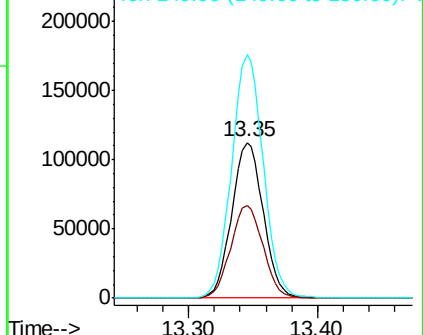
150 156.8 0.0 345.8

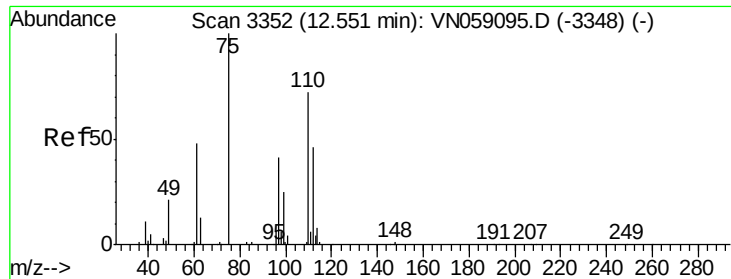


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 29.567 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampled :

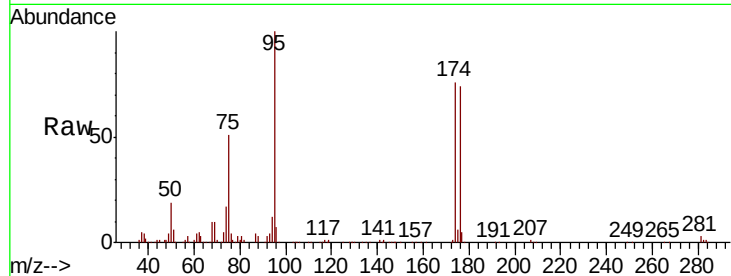
MW-317D-SRI4

Tot Ion: 75 Resp: 128612

Ion Ratio Lower Upper

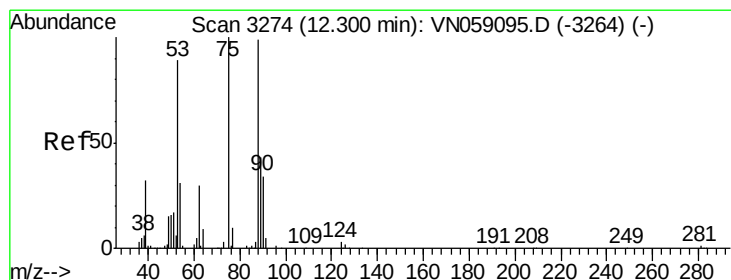
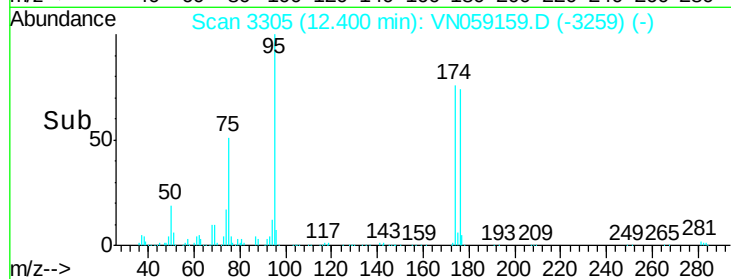
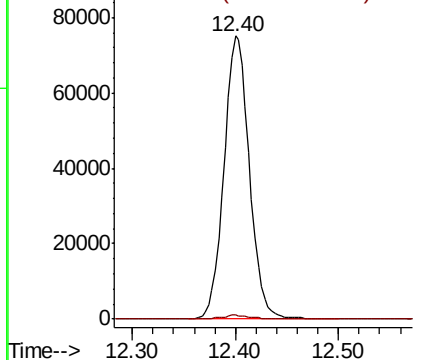
75 100

77 1.6 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: 78.095 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

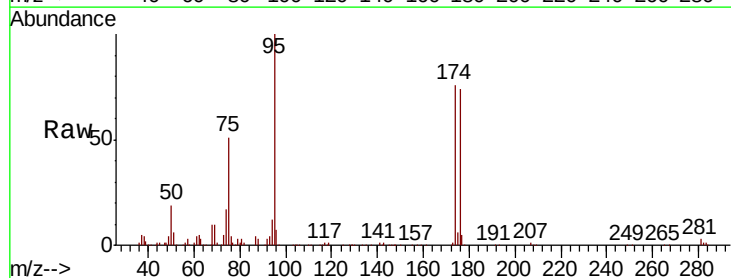
Tgt Ion: 75 Resp: 128612

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

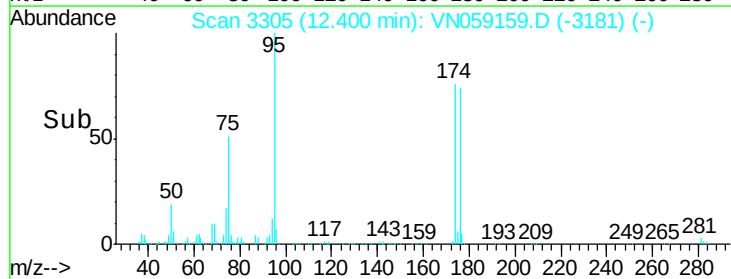
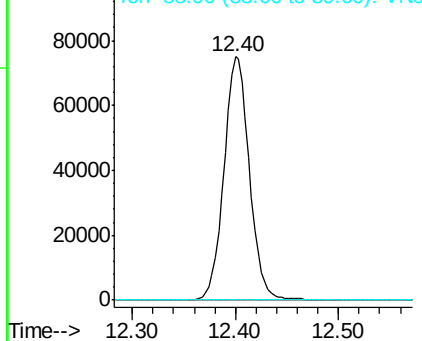
89 0.0 35.8 53.8#

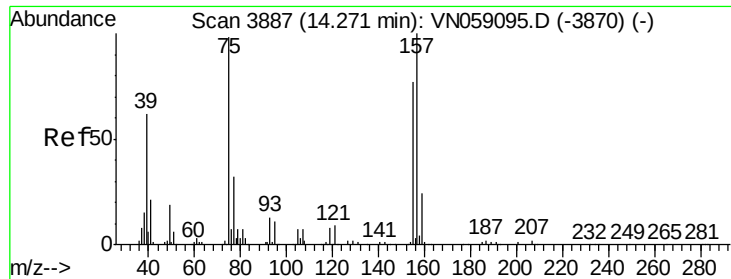


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.267 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

Instrument :

MSVOA_N

ClientSampleId :

MW-317D-SRI4

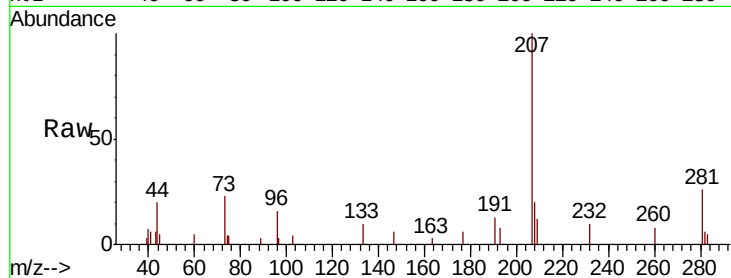
Tot Ion: 75 Resp: 227

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

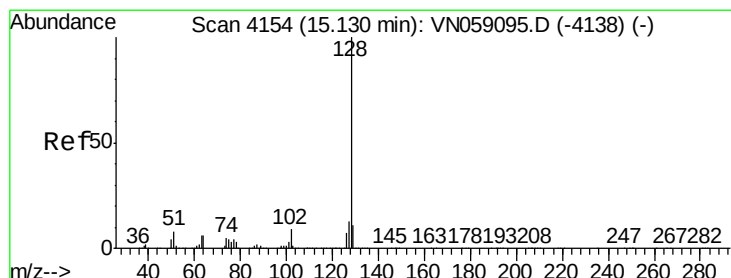
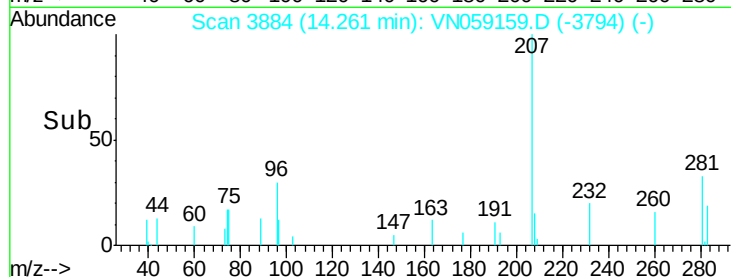
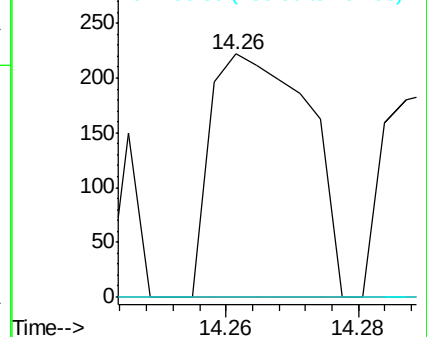
157 0.0 51.8 155.5#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 3.089 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059159.D

Acq: 11 Nov 2019 14:31

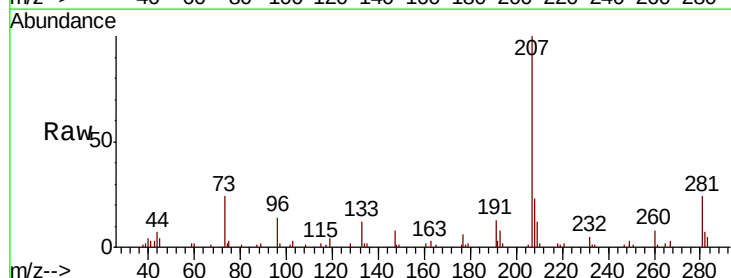
Tgt Ion: 128 Resp: 460

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

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

