

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059179.D
 Acq On : 12 Nov 2019 11:04
 Operator : JC/SP
 Sample : K5769-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-308-SRI4

Quant Time: Nov 13 05:36:34 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	419912	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	654992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	576125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	204447	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	285846	55.38	ug/l	0.00
Spiked Amount			Recovery	=	110.76%	
35) Dibromofluoromethane	7.57	113	215974	55.22	ug/l	0.00
Spiked Amount			Recovery	=	110.44%	
50) Toluene-d8	10.08	98	820631	53.27	ug/l	0.00
Spiked Amount			Recovery	=	106.54%	
62) 4-Bromofluorobenzene	12.40	95	254706	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	

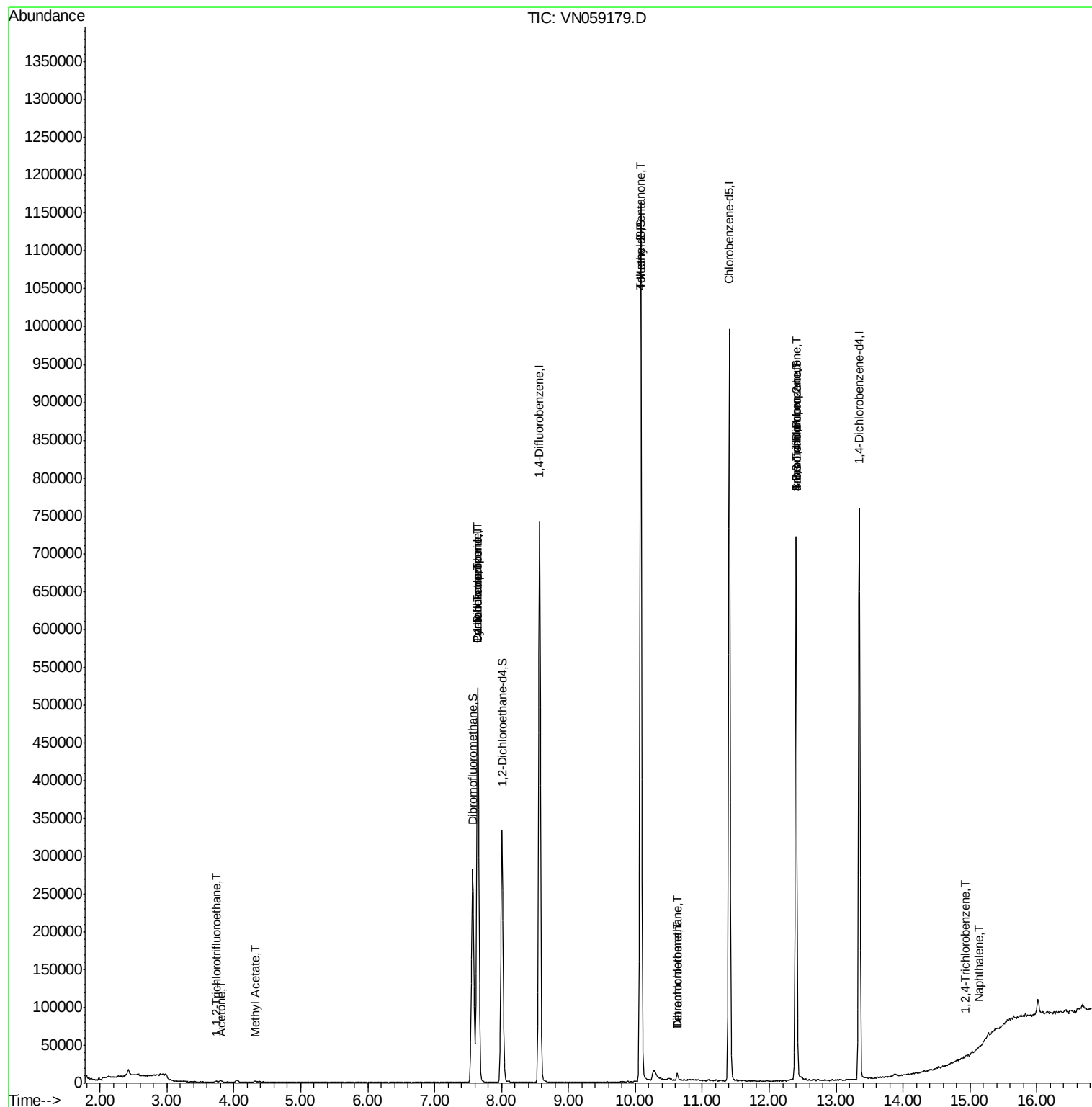
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.74	101	829	0.206	ug/l #	83
16) Acetone	3.80	43	3668	1.366	ug/l	99
18) Methyl Acetate	4.31	43	1631	0.256	ug/l #	61
31) Cyclohexane	7.65	56	9085	1.131	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	33231	5.428	ug/l #	50
38) Carbon Tetrachloride	7.65	117	39919	6.551	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3578	0.582	ug/l #	1
60) Dibromochloromethane	10.63	129	1828	0.387	ug/l #	11
64) Tetrachloroethene	10.63	164	2167	0.553	ug/l	90
71) Bromoform	12.40	173	1338	0.408	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	129240	27.766	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	129240	73.338	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.92	180	269	3.112	ug/l #	41
95) Naphthalene	15.13	128	1218	3.153	ug/l #	70

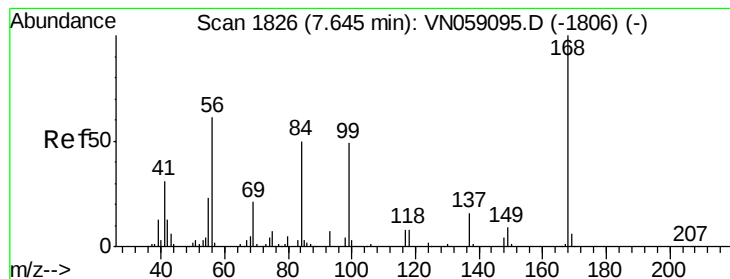
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

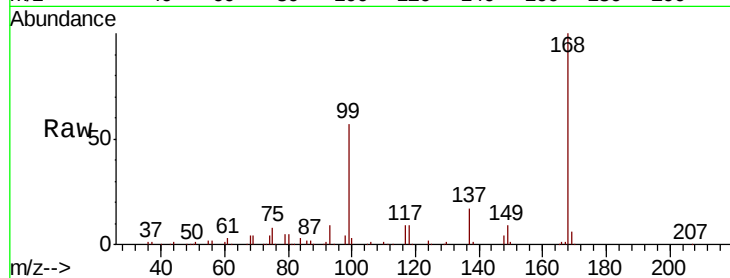
MW-308-SRI4

Tot Ion:168 Resp: 419912

Ion Ratio Lower Upper

168 100

99 57.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

150000

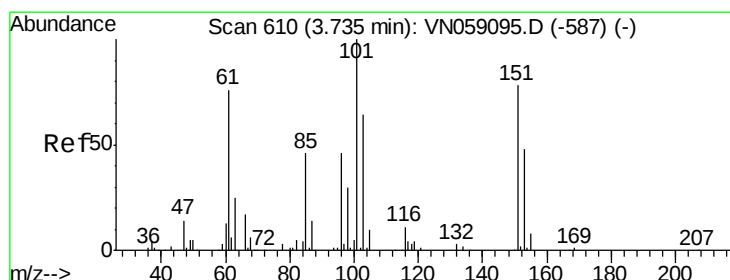
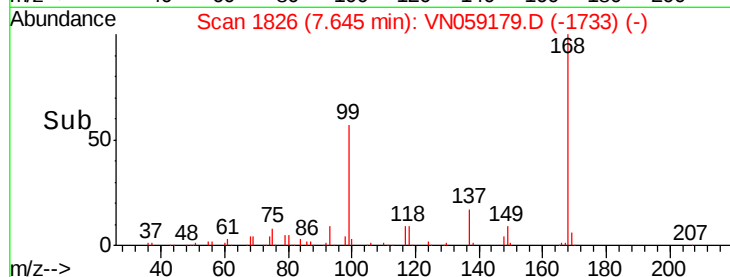
100000

50000

0

7.60 7.70

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.206 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

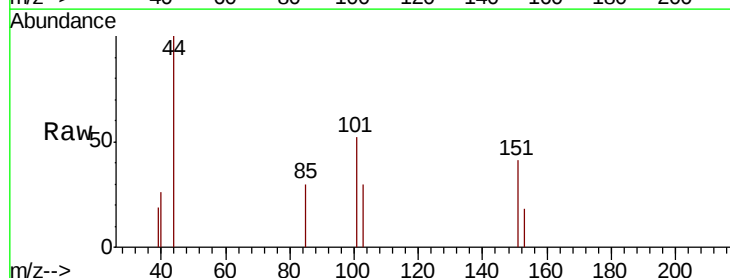
Tgt Ion:101 Resp: 829

Ion Ratio Lower Upper

101 100

85 36.3 35.5 53.3

151 94.1 62.2 93.2#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

3.74

600

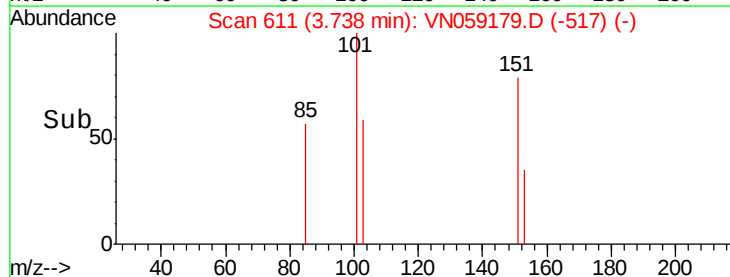
400

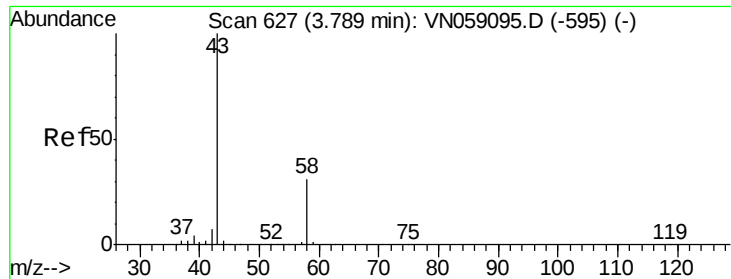
200

0

3.70 3.72 3.74

Time-->

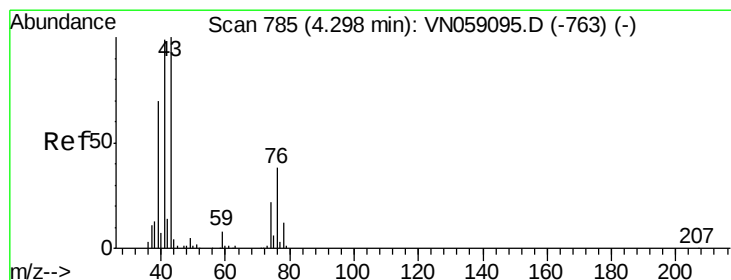
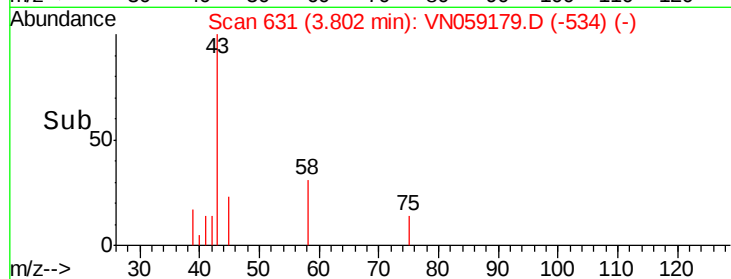
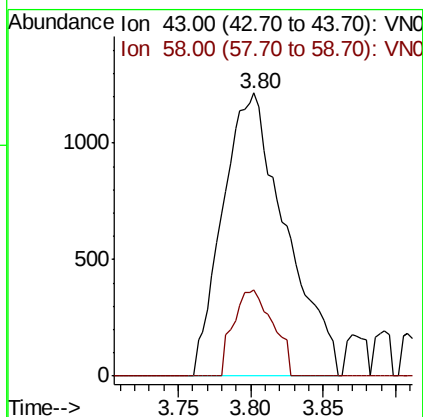
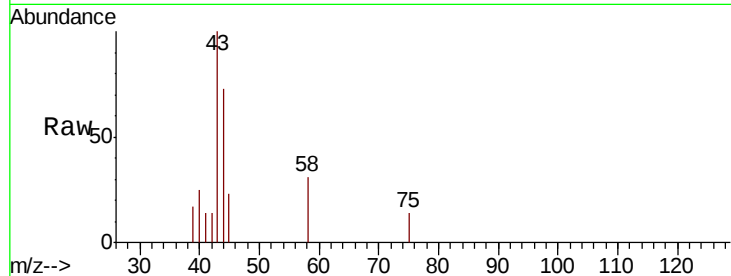




#16
Acetone
Concen: 1.366 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN059179.D
Acq: 12 Nov 2019 11:04

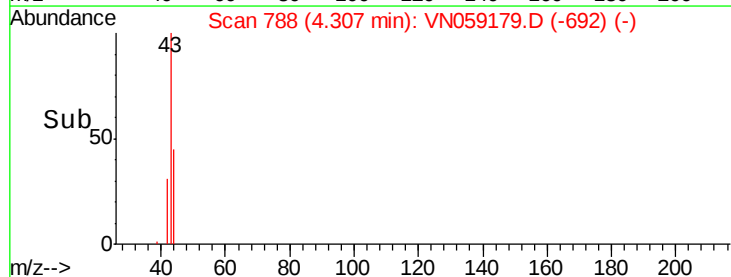
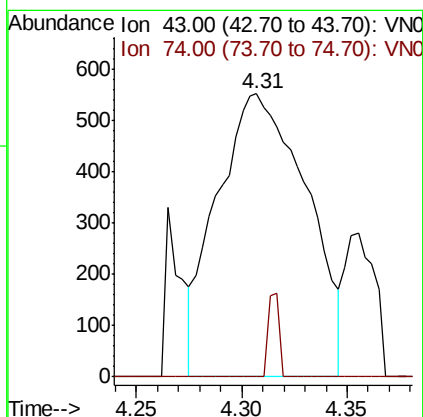
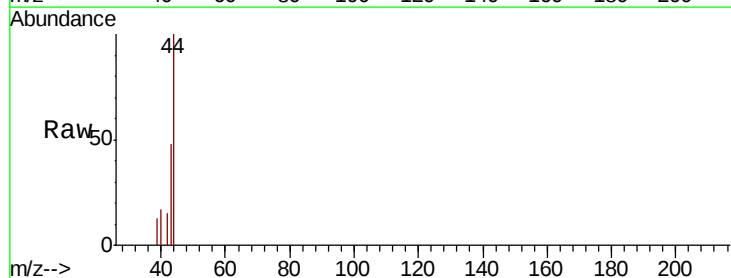
Instrument :
MSVOA_N
ClientSampleId :
MW-308-SRI4

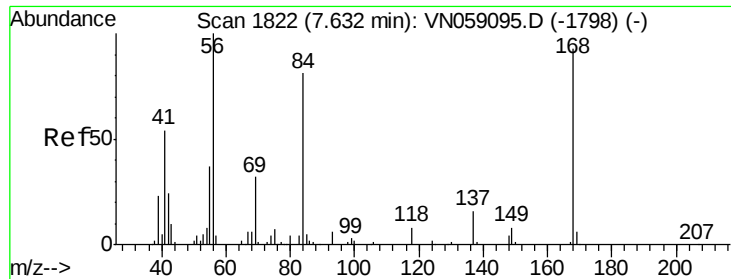
Tot Ion: 43 Resp: 3668
Ion Ratio Lower Upper
43 100
58 30.5 24.9 37.3



#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN059179.D
Acq: 12 Nov 2019 11:04

Tgt Ion: 43 Resp: 1631
Ion Ratio Lower Upper
43 100
74 3.8 17.8 26.8#

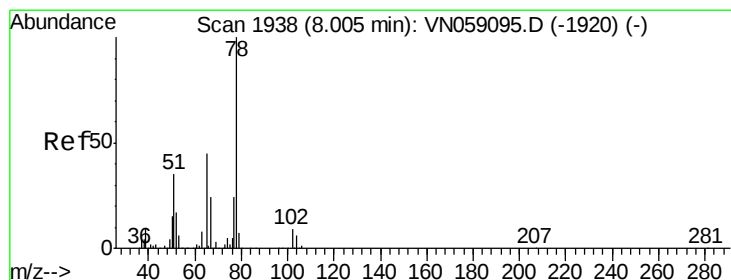
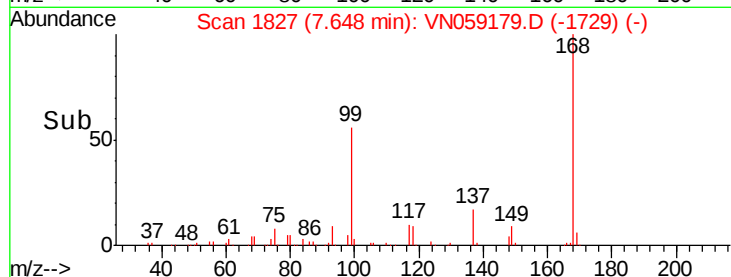
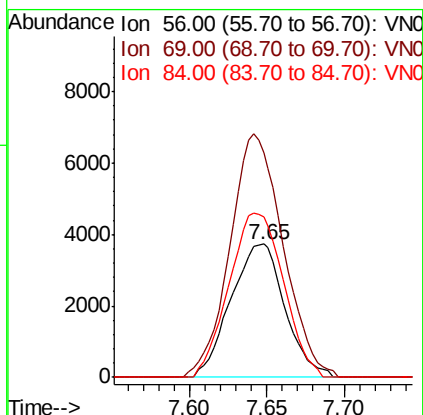
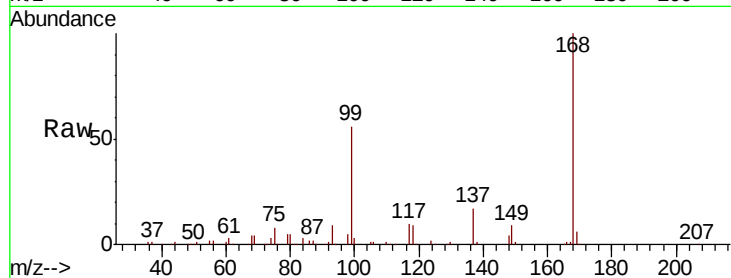




#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059179.D
Acq: 12 Nov 2019 11:04

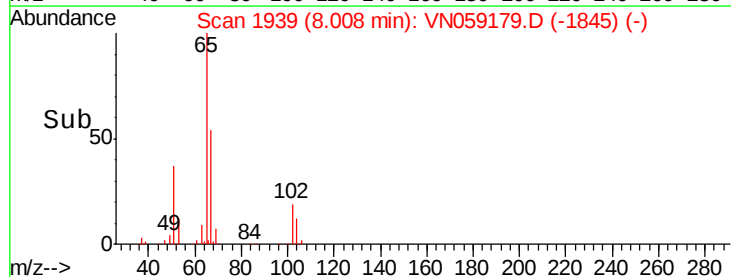
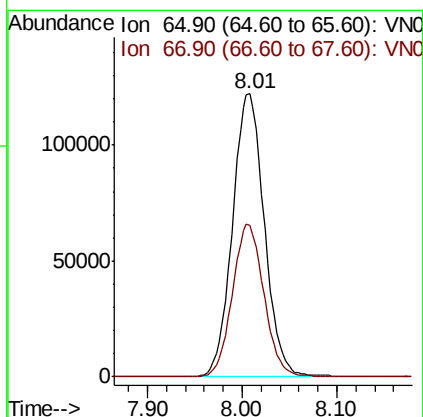
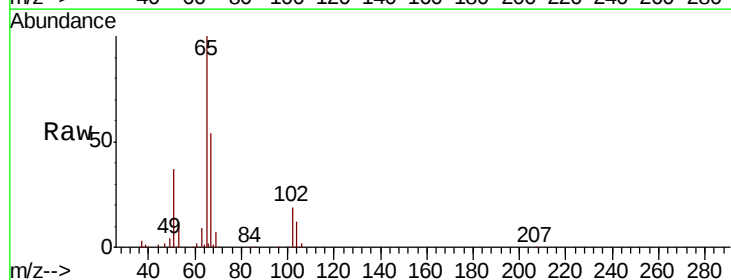
Instrument :
MSVOA_N
ClientSampleId :
MW-308-SRI4

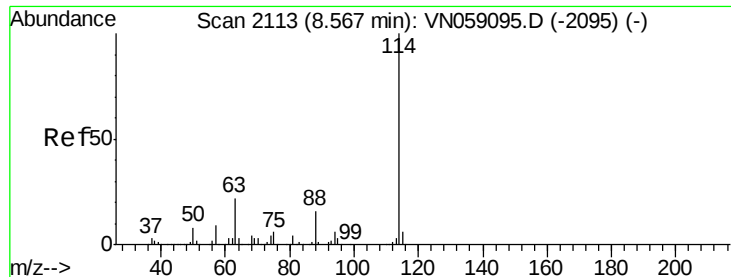
Tot Ion	56	Resp	9085
Ion Ratio	Lower	Upper	
56	100		
69	168.3	25.8	38.8#
84	120.3	65.0	97.4#



#33
1,2-Dichloroethane-d4
Concen: 55.377 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059179.D
Acq: 12 Nov 2019 11:04

Tgt Ion	65	Resp	285846
Ion Ratio	Lower	Upper	
65	100		
67	53.4	0.0	107.4

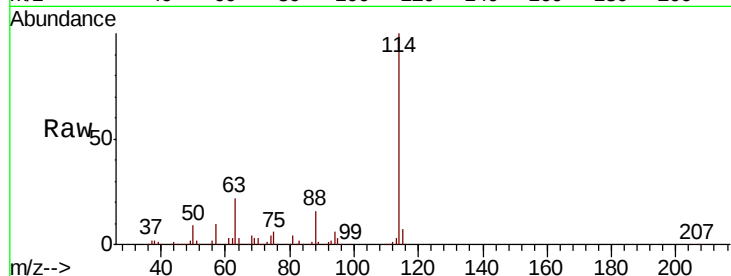




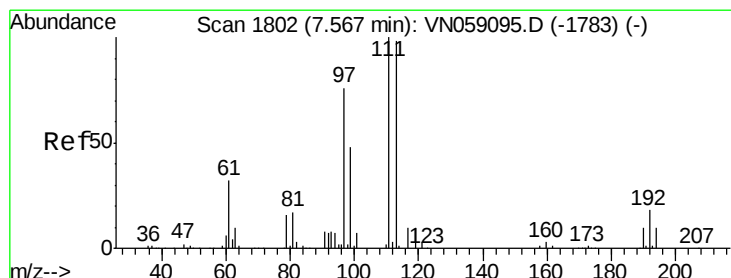
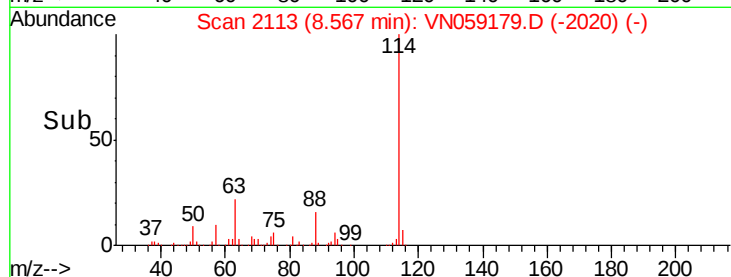
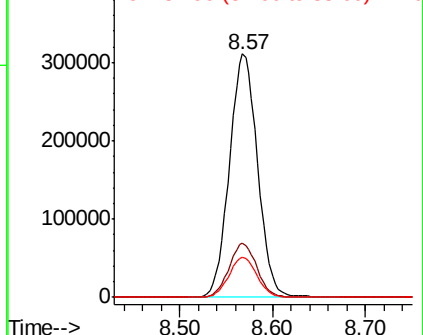
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VN059179.D
Acq: 12 Nov 2019 11:04

Instrument :
MSVOA_N
ClientSampleId :
MW-308-SRI4

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.4
88	16.5	0.0	32.2

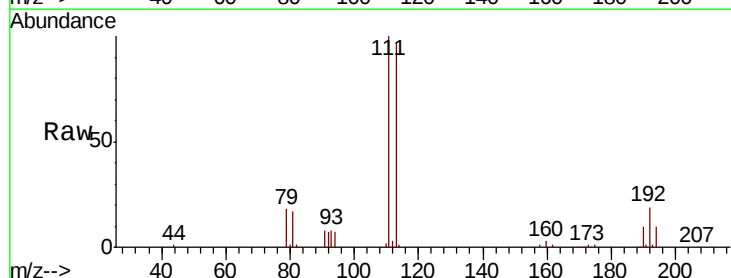


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

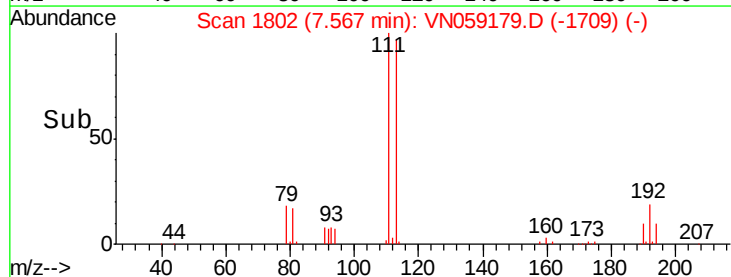
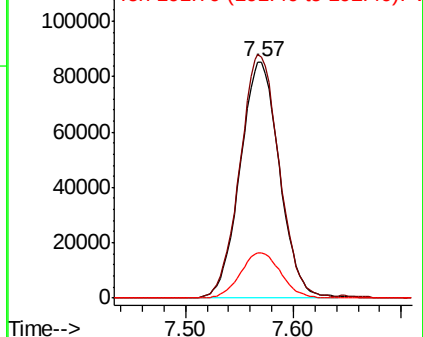


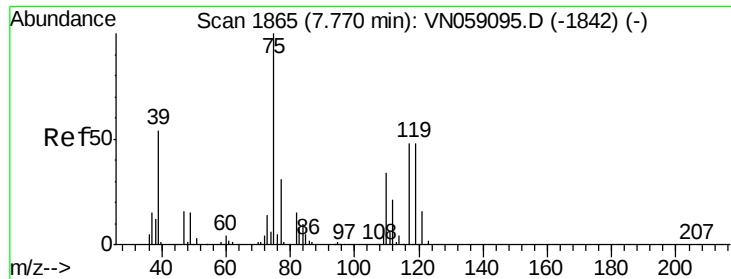
#35
Dibromofluoromethane
Concen: 55.223 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059179.D
Acq: 12 Nov 2019 11:04

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.8	124.2
192	19.8	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

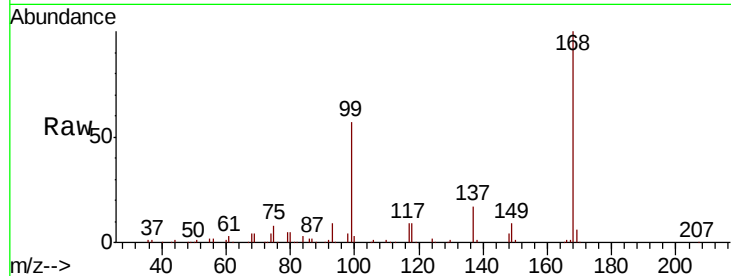




#36
 1,1-Dichloropropene
 Concen: 5.428 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059179.D
 Acq: 12 Nov 2019 11:04

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-308-SRI4

Tot Ion	75	Resp	33231
Ion Ratio	Lower	Upper	
75	100		
110	8.4	17.1	51.2#
77	0.0	24.8	37.2#

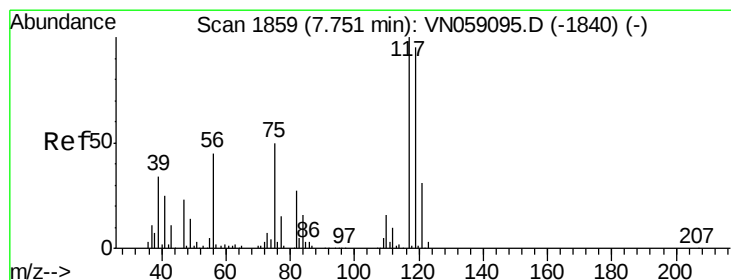
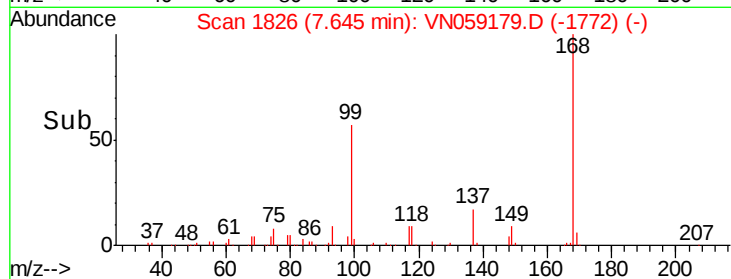
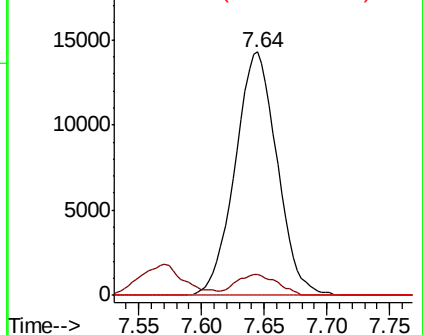


Abundance

Ion 74.90 (74.60 to 75.60): VN0

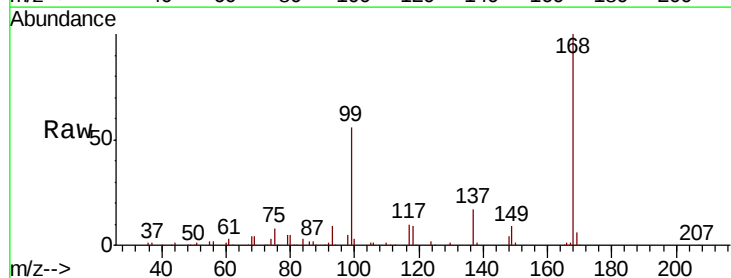
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38
 Carbon Tetrachloride
 Concen: 6.551 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.10 min
 Lab File: VN059179.D
 Acq: 12 Nov 2019 11:04

Tgt Ion	117	Resp	39919
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	4.8	75.6	113.4#
121	0.0	24.6	36.8#

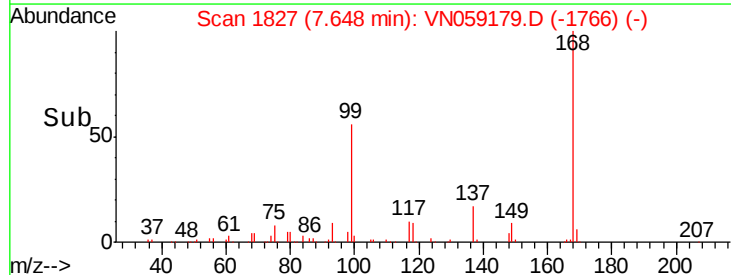
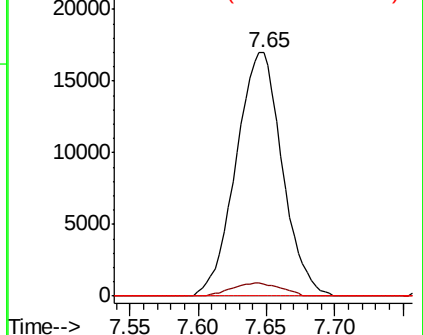


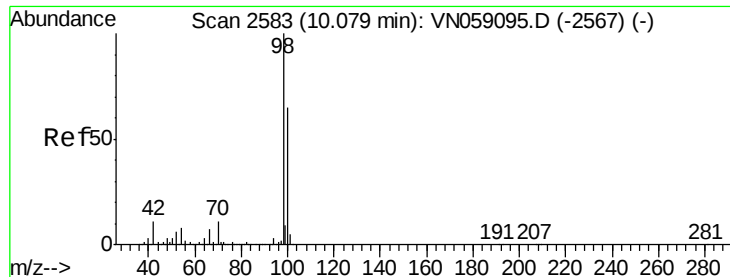
Abundance

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





#50

Toluene-d8

Concen: 53.271 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

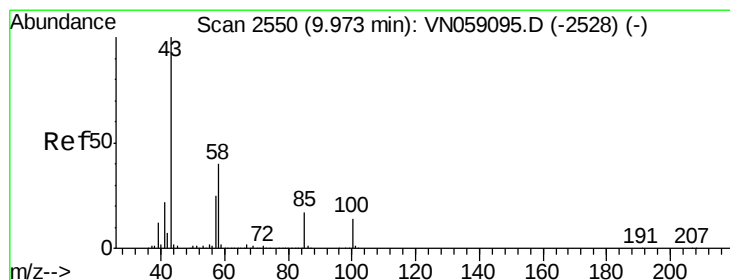
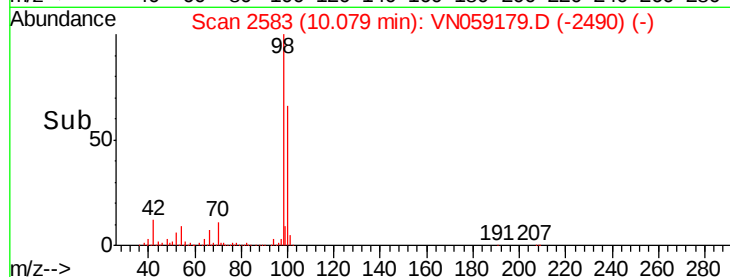
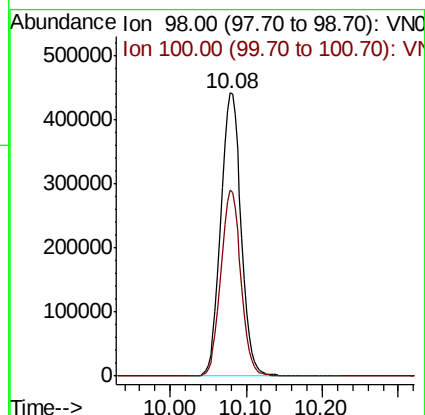
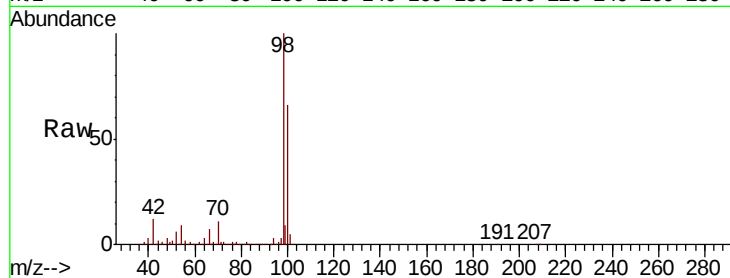
MW-308-SRI4

Tot Ion: 98 Resp: 820631

Ion Ratio Lower Upper

98 100

100 64.8 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.582 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.10 min

Lab File: VN059179.D

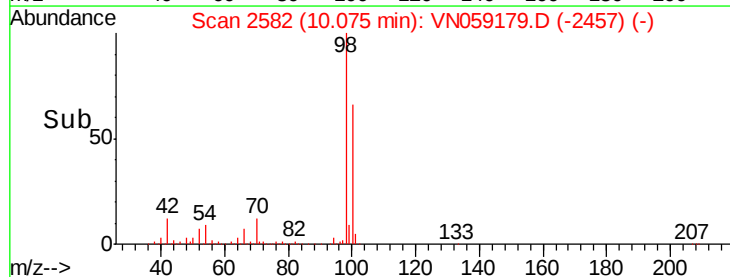
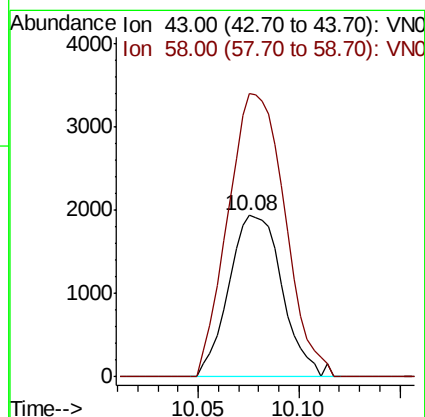
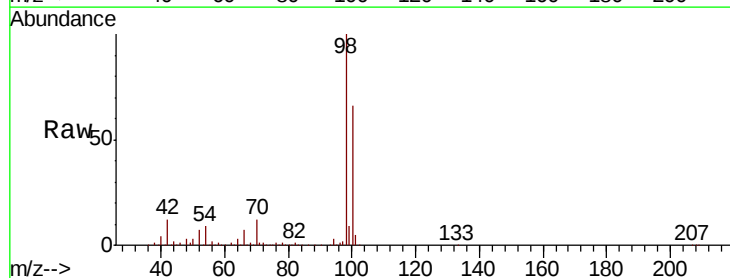
Acq: 12 Nov 2019 11:04

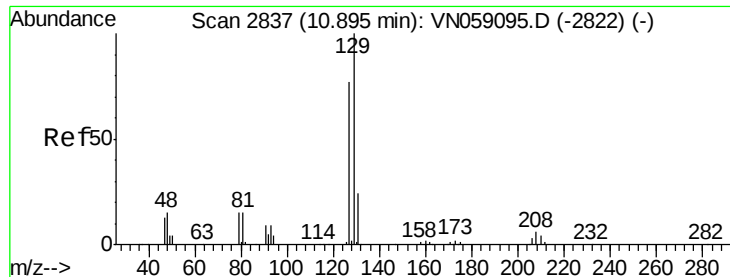
Tgt Ion: 43 Resp: 3578

Ion Ratio Lower Upper

43 100

58 186.6 31.5 47.3#





#60

Dibromochloromethane

Concen: 0.387 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.27 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

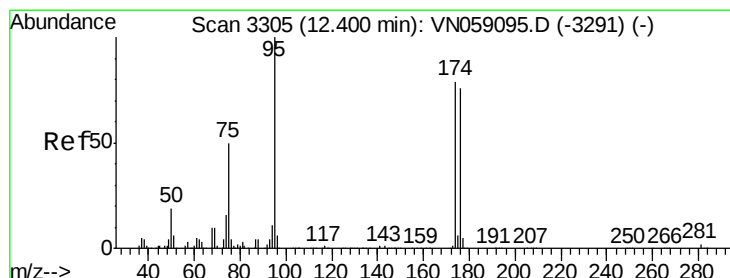
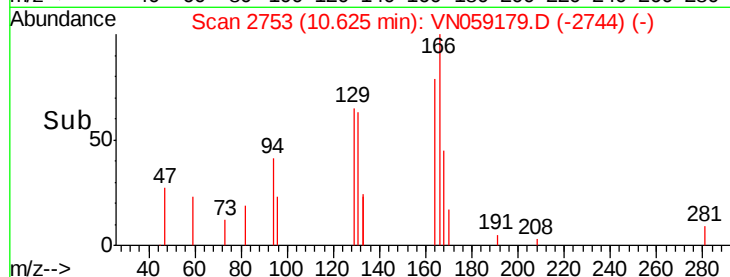
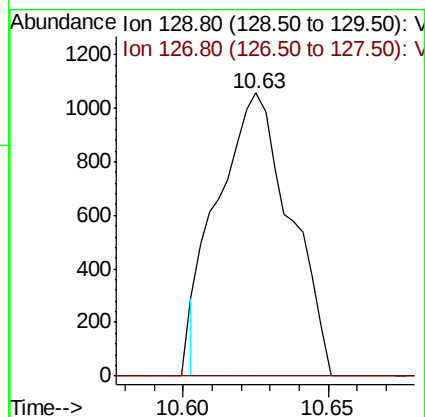
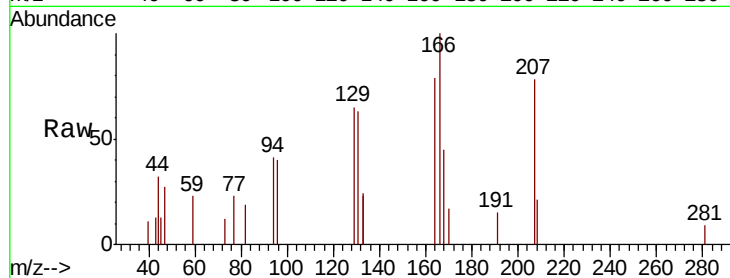
MW-308-SRI4

Tot Ion:129 Resp: 1828

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



#62

4-Bromofluorobenzene

Concen: 45.857 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

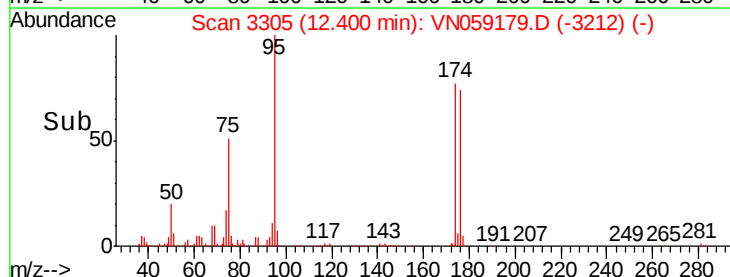
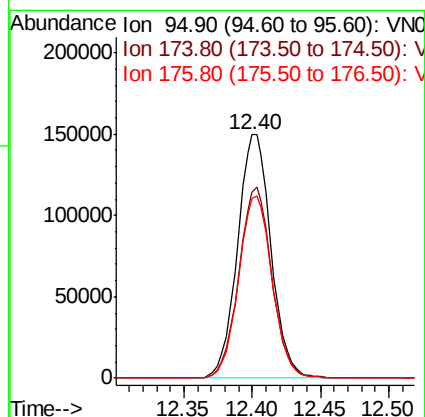
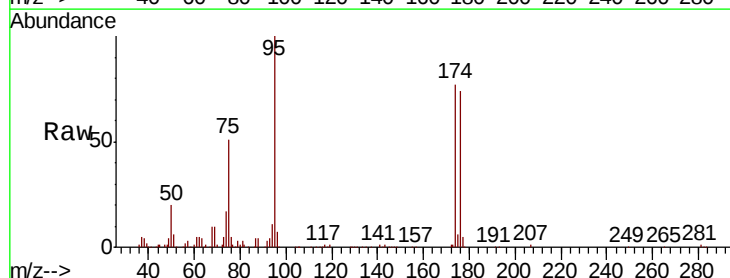
Tgt Ion: 95 Resp: 254706

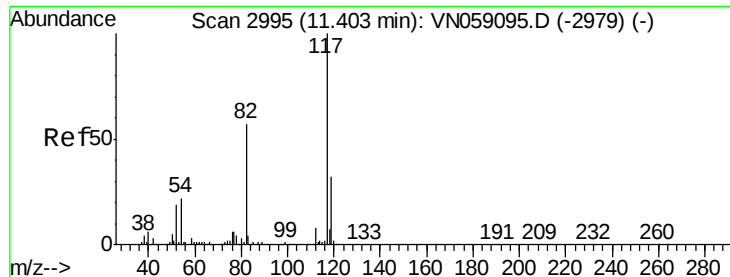
Ion Ratio Lower Upper

95 100

174 77.4 0.0 158.2

176 75.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

MW-308-SRI4

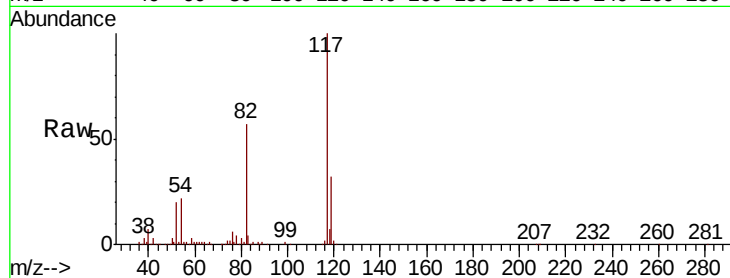
Tot Ion:117 Resp: 576125

Ion Ratio Lower Upper

117 100

82 57.3 45.8 68.8

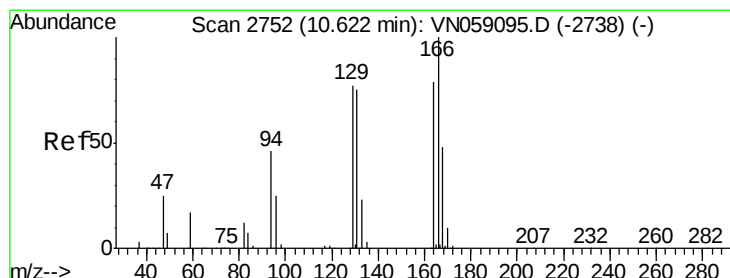
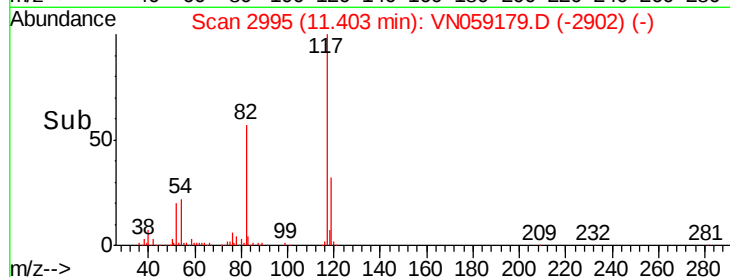
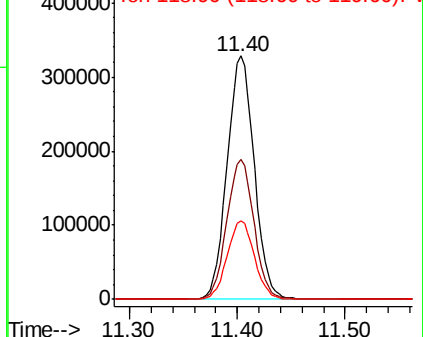
119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 0.553 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Tgt Ion:164 Resp: 2167

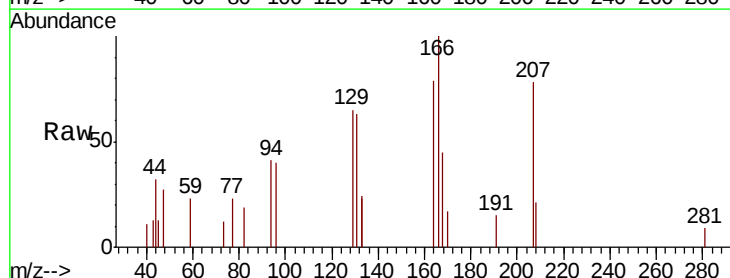
Ion Ratio Lower Upper

164 100

166 126.4 101.5 152.3

129 82.1 78.3 117.5

131 79.6 75.9 113.9

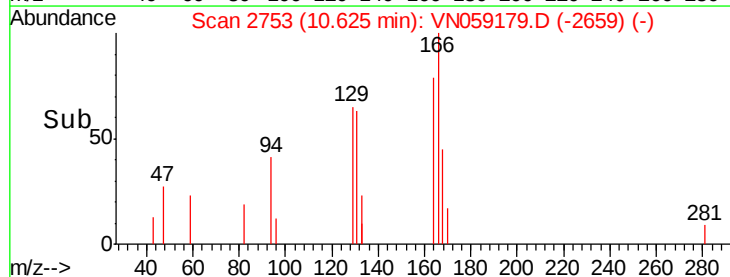
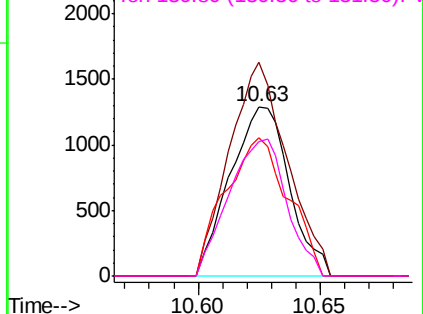


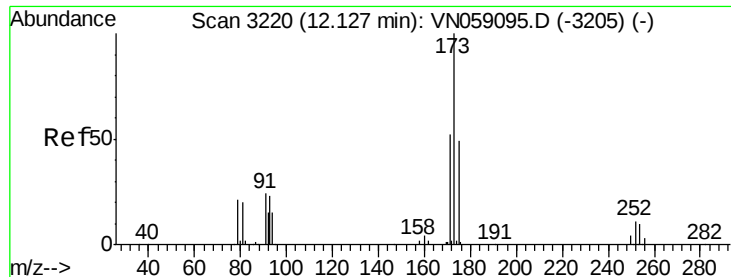
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.408 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

MW-308-SRI4

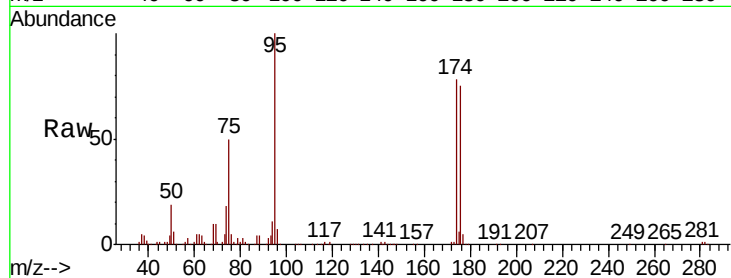
Tot Ion:173 Resp: 1338

Ion Ratio Lower Upper

173 100

175 973.4 24.2 72.6#

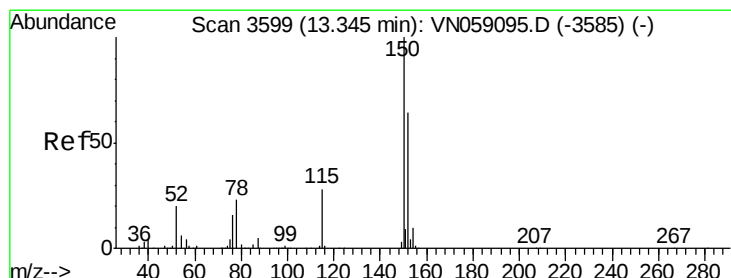
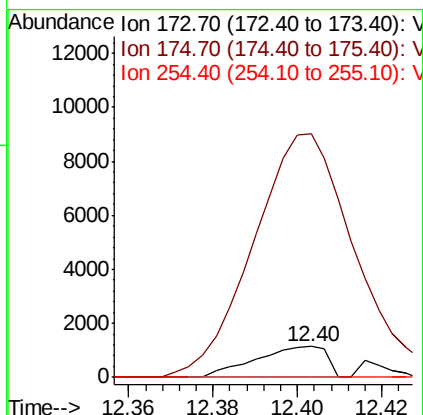
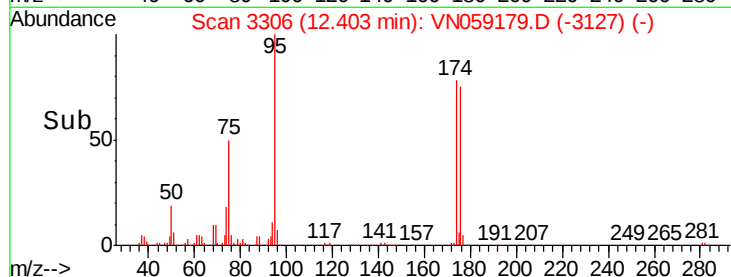
254 0.0 0.1 0.1#



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: VN059179.D

Acq: 12 Nov 2019 11:04

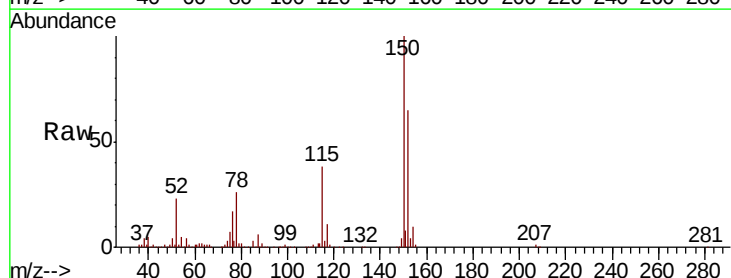
Tgt Ion:152 Resp: 204447

Ion Ratio Lower Upper

152 100

115 59.9 29.4 88.2

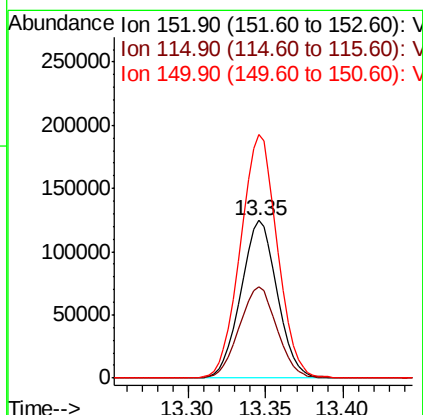
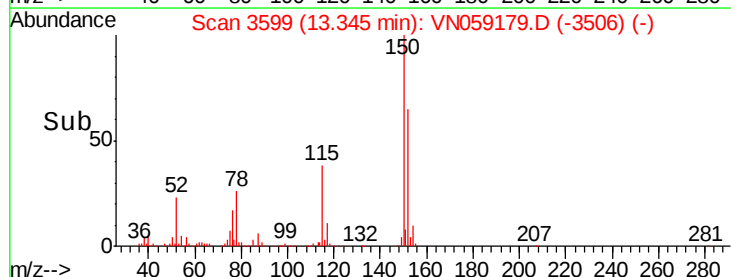
150 156.4 0.0 345.8

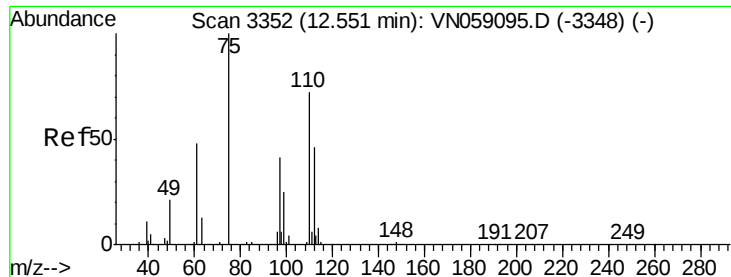


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.766 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Instrument :

MSVOA_N

ClientSampleId :

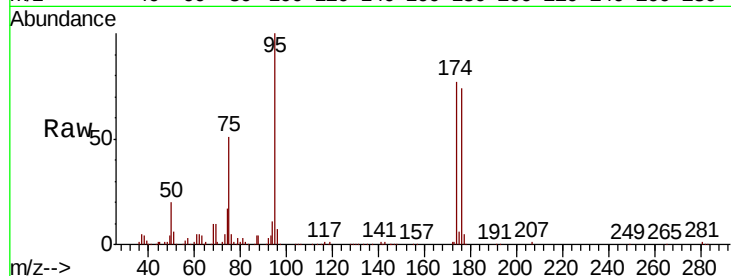
MW-308-SRI4

Tot Ion: 75 Resp: 129240

Ion Ratio Lower Upper

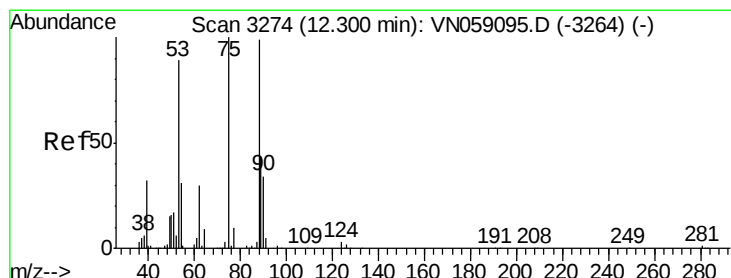
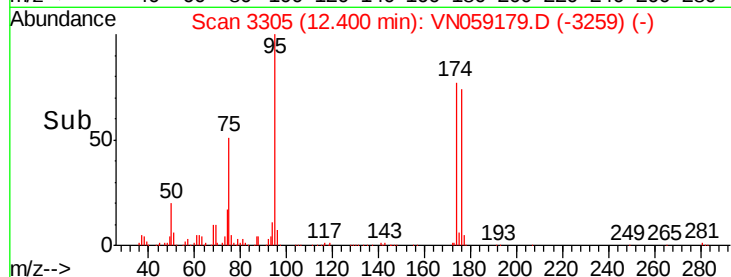
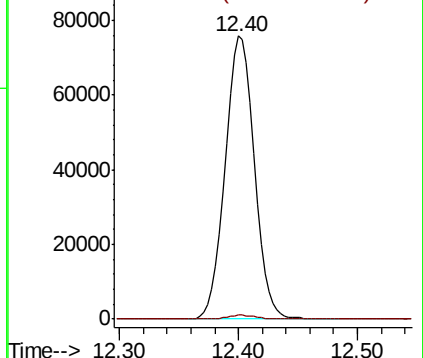
75 100

77 1.4 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: 73.338 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

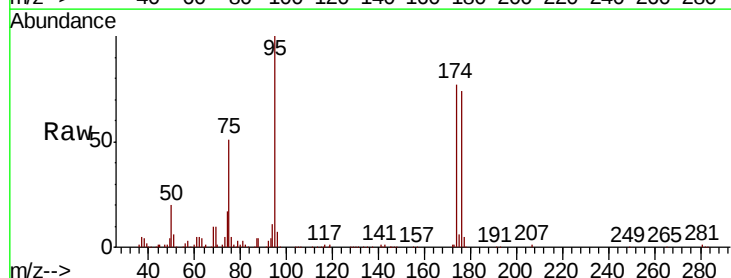
Tgt Ion: 75 Resp: 129240

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

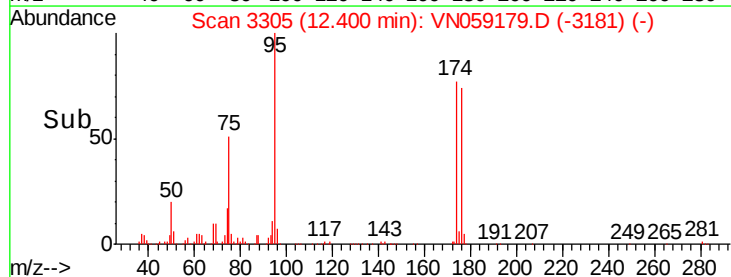
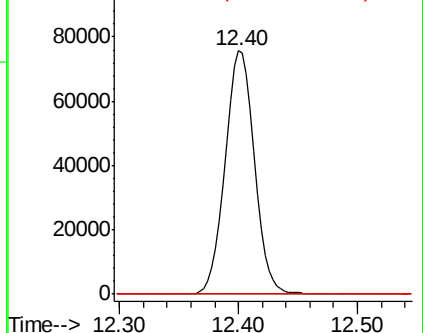
89 0.0 35.8 53.8#

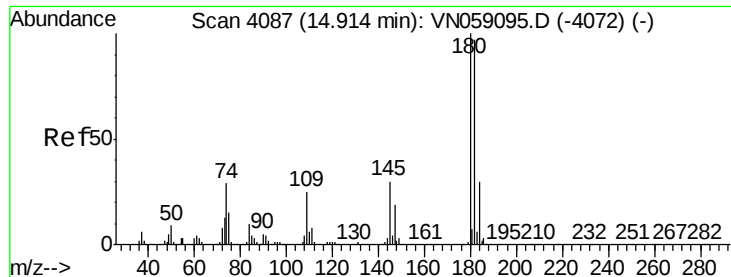


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#93

1,2,4-Trichlorobenzene

Concen: 3.112 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.01 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

Instrument :

MSVOA_N

ClientSampled :

MW-308-SRI4

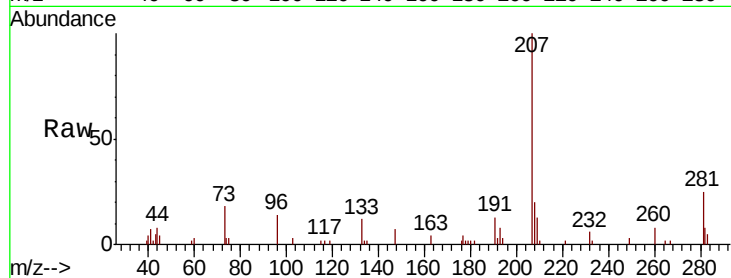
Tot Ion:180 Resp: 269

Ion Ratio Lower Upper

180 100

182 36.8 48.1 144.3#

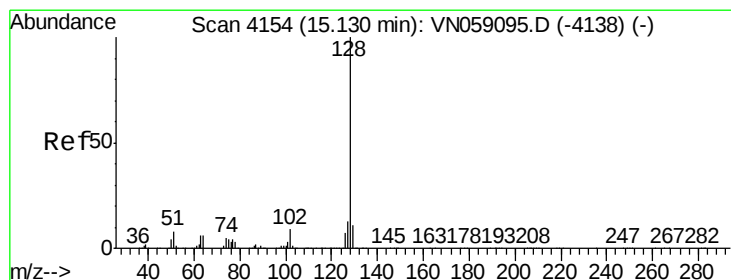
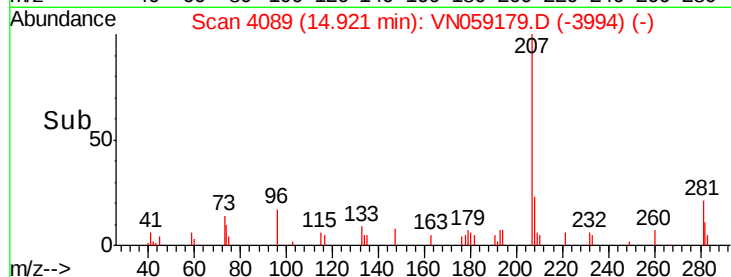
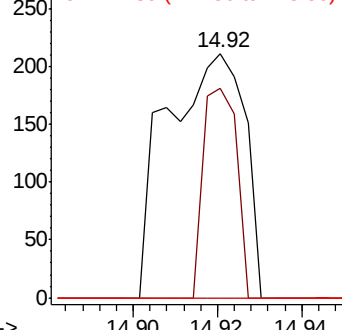
145 0.0 15.1 45.3#



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: 3.153 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059179.D

Acq: 12 Nov 2019 11:04

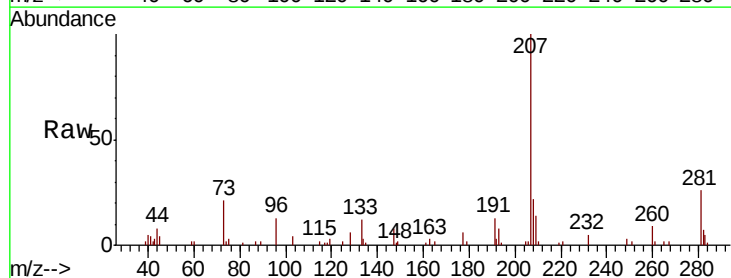
Tgt Ion:128 Resp: 1218

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

