

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059200.D
 Acq On : 12 Nov 2019 18:48
 Operator : JC/SP
 Sample : K5799-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:42:38 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	422263	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	667418	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	583947	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209058	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	281145	54.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	108.32%	
35) Dibromofluoromethane	7.57	113	214510	53.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.66%	
50) Toluene-d8	10.08	98	828385	52.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.54%	
62) 4-Bromofluorobenzene	12.40	95	255911	45.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.44%	

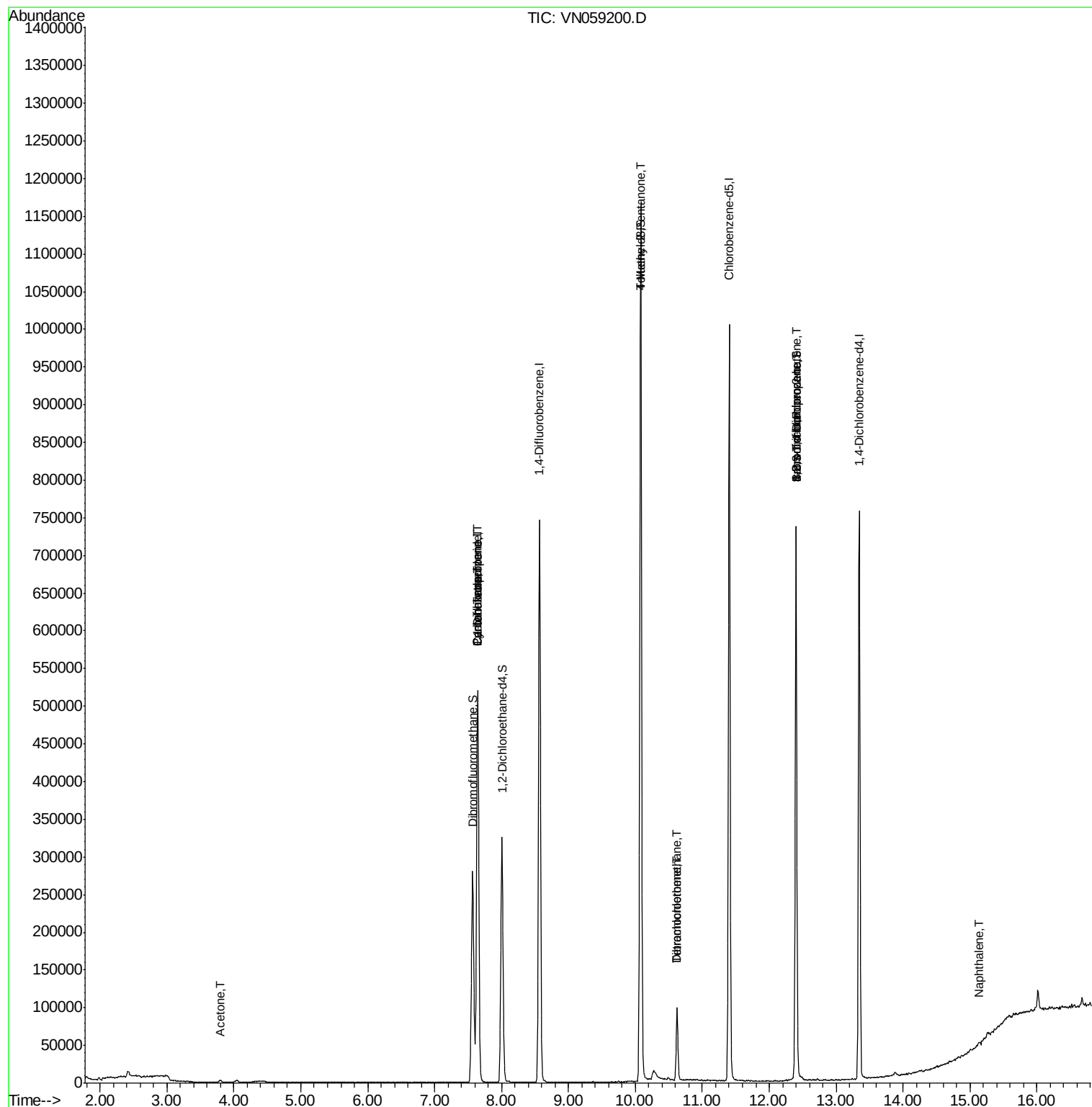
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	3450	1.278	ug/l	92
31) Cyclohexane	7.64	56	8528	1.055	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32413	5.196	ug/l #	45
38) Carbon Tetrachloride	7.64	117	41180	6.632	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3502	0.559	ug/l #	1
60) Dibromochloromethane	10.63	129	20946	4.347	ug/l #	11
64) Tetrachloroethene	10.62	164	23762	5.984	ug/l	92
71) Bromoform	12.40	173	1642	0.494	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	129229	27.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	129229	71.715	ug/l #	13
95) Naphthalene	15.13	128	879	3.121	ug/l #	70

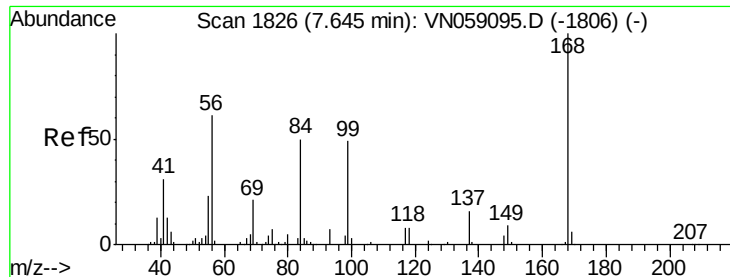
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111219\
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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: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

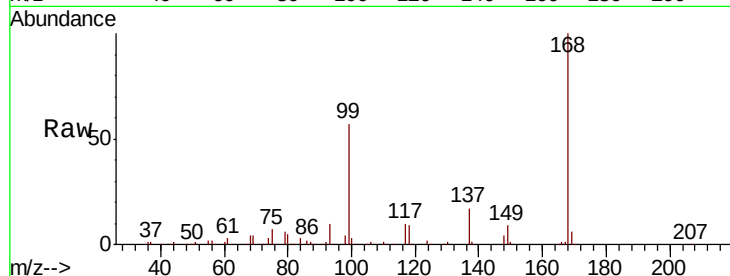
ClientSampleId :

Tot Ion:168 Resp: 422263

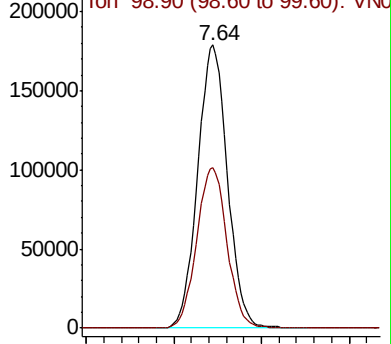
Ion Ratio Lower Upper

168 100

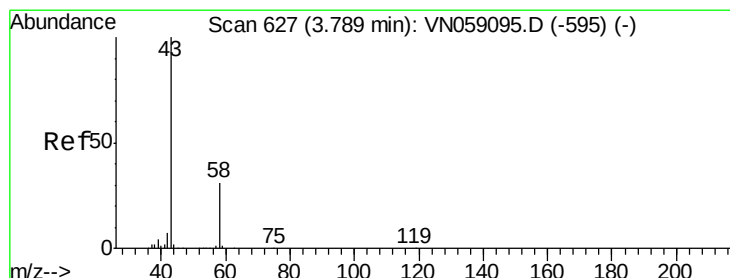
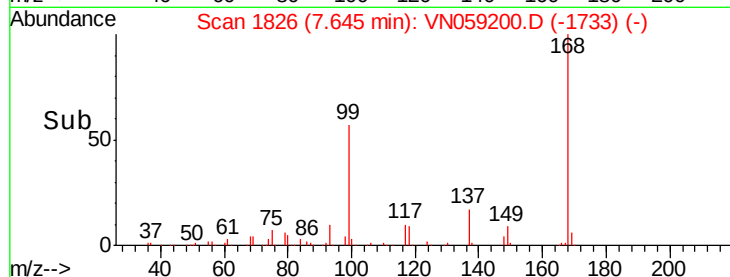
99 56.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059200.D (-1733) (-)



Time-->



#16

Acetone

Concen: 1.278 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059200.D

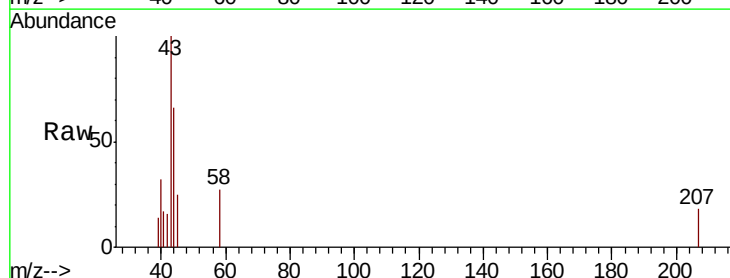
Acq: 12 Nov 2019 18:48

Tgt Ion: 43 Resp: 3450

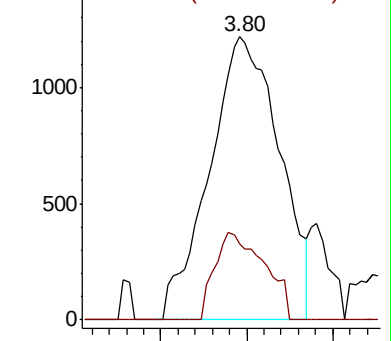
Ion Ratio Lower Upper

43 100

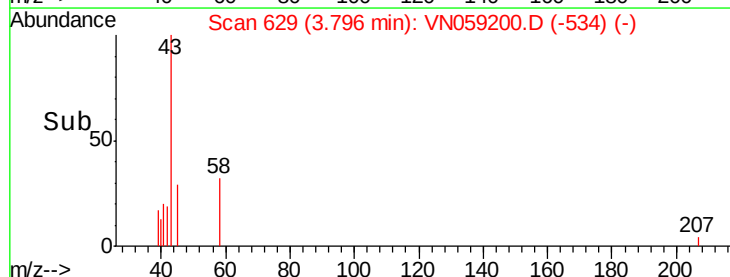
58 26.9 24.9 37.3

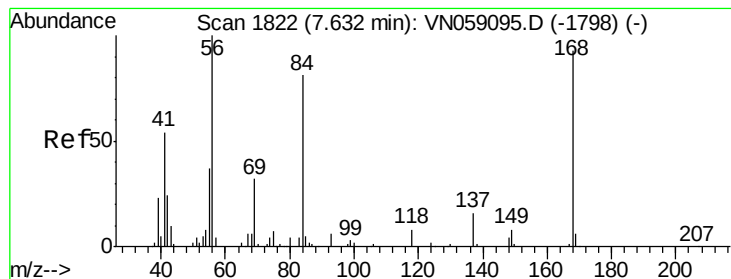


Abundance Ion 43.00 (42.70 to 43.70): VN059200.D (-534) (-)



Time-->





#31

Cyclohexane

Concen: 1.055 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampled :

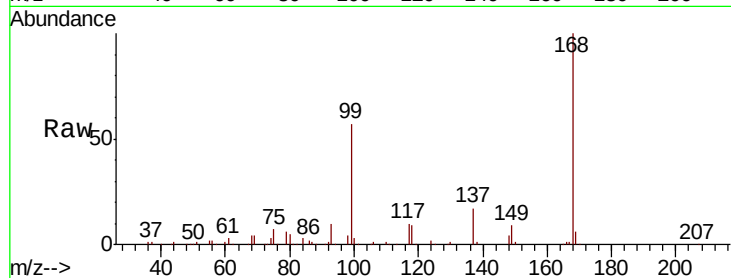
Tot Ion: 56 Resp: 8528

Ion Ratio Lower Upper

56 100

69 200.1 25.8 38.8#

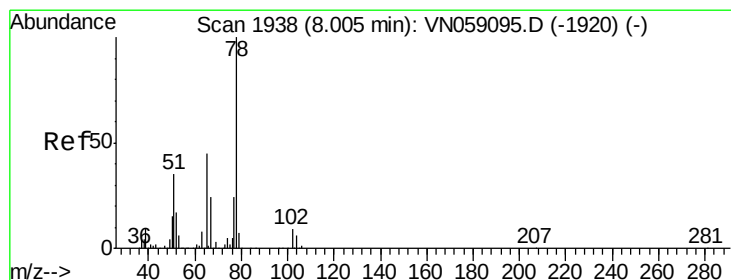
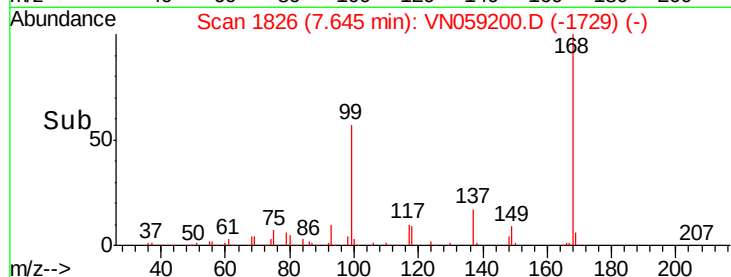
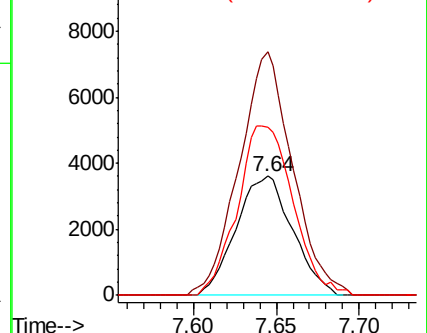
84 141.0 65.0 97.4#



Abundance Ion 56.00 (55.70 to 56.70): VN059200.D (-1798) (-)

Ion 69.00 (68.70 to 69.70): VN059200.D (-1798) (-)

Ion 84.00 (83.70 to 84.70): VN059200.D (-1798) (-)



#33

1,2-Dichloroethane-d4

Concen: 54.163 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059200.D

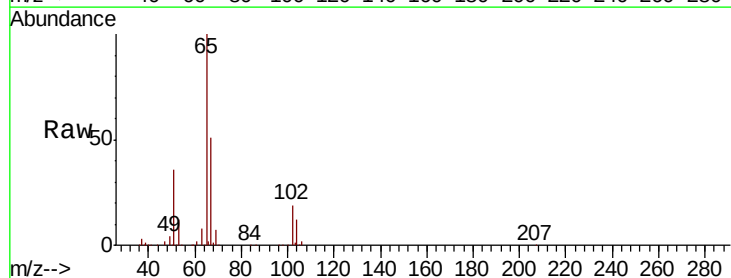
Acq: 12 Nov 2019 18:48

Tgt Ion: 65 Resp: 281145

Ion Ratio Lower Upper

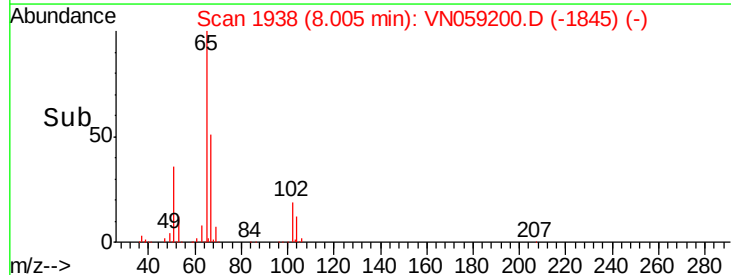
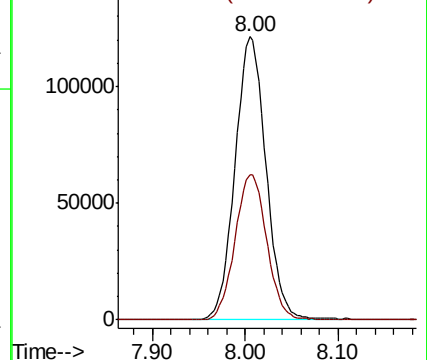
65 100

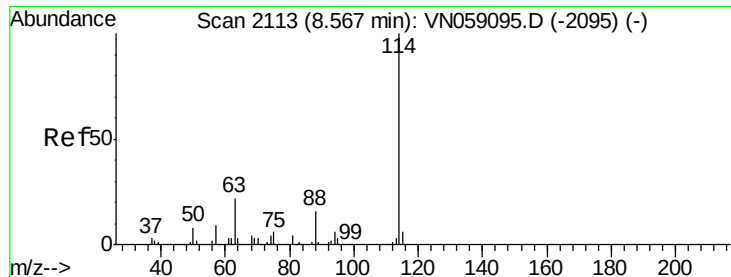
67 52.7 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059200.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059200.D (-1845) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

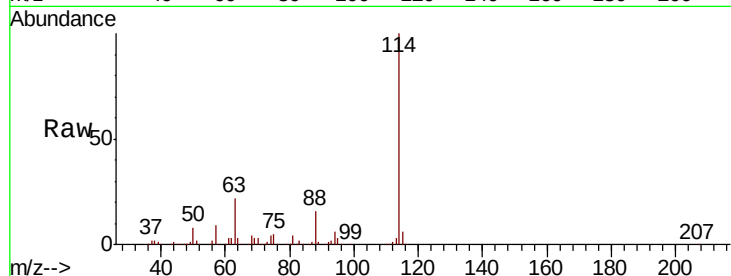
Tot Ion:114 Resp: 667418

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

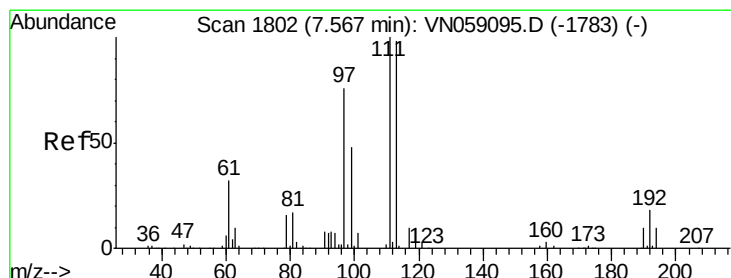
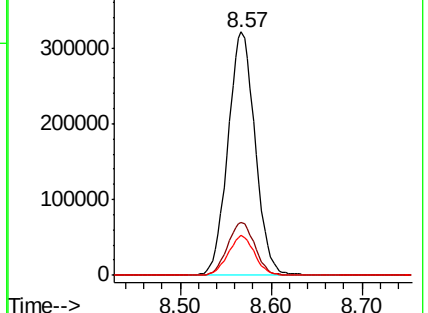
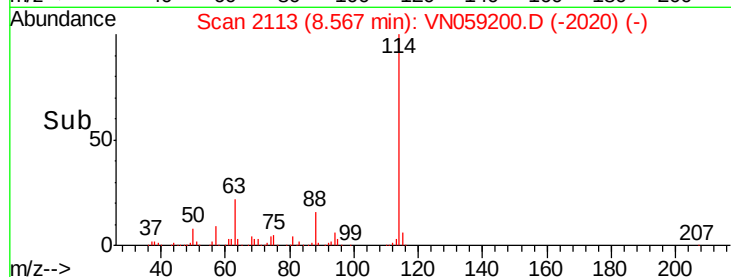
88 16.2 0.0 32.2



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: 53.828 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

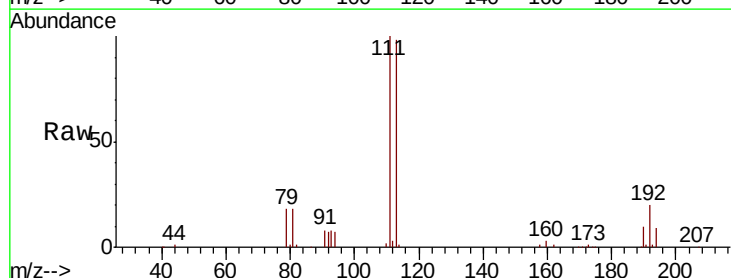
Tgt Ion:113 Resp: 214510

Ion Ratio Lower Upper

113 100

111 102.2 82.8 124.2

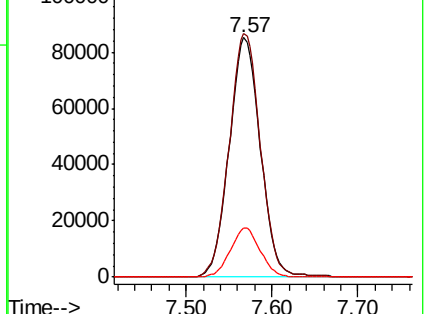
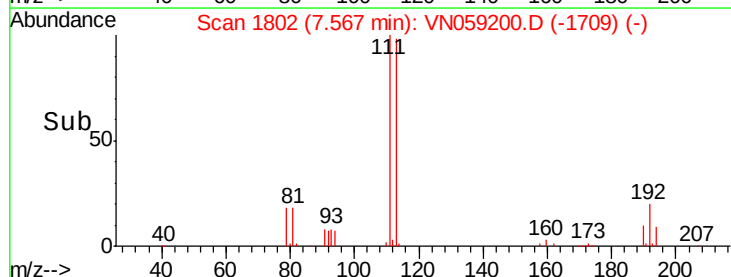
192 19.6 16.1 24.1

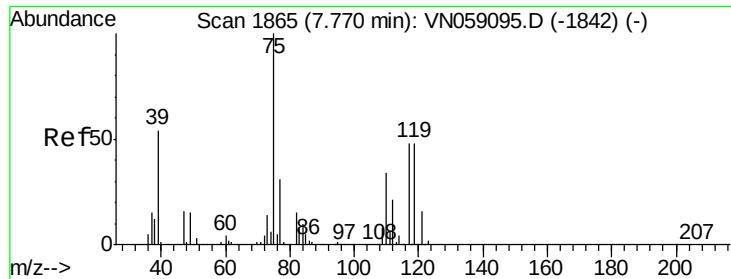


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

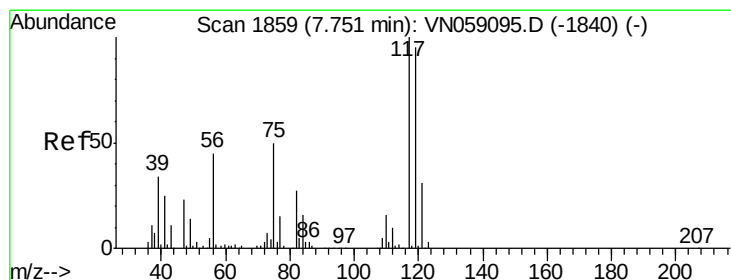
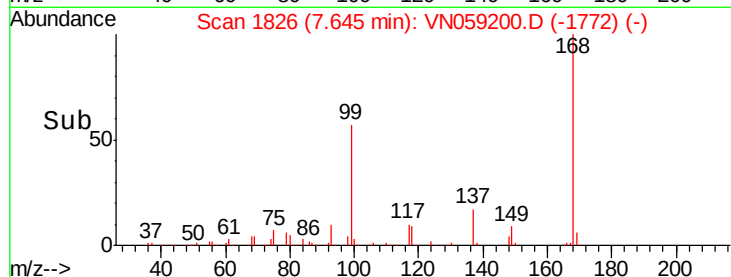
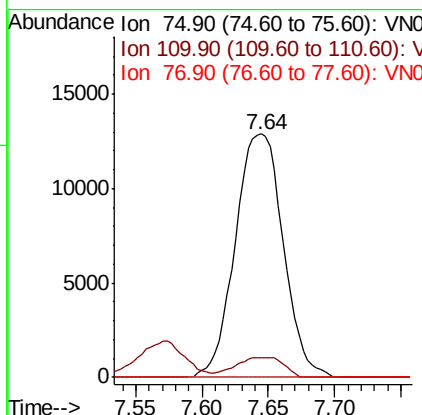
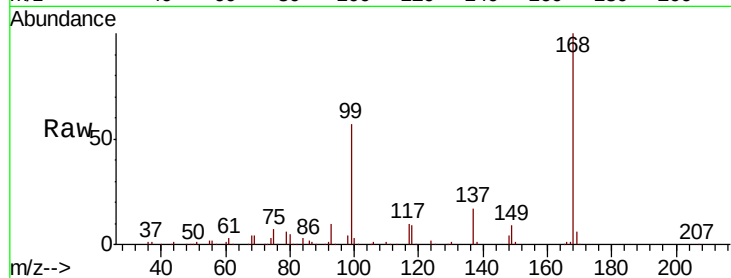




#36
 1,1-Dichloropropene
 Concen: 5.196 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059200.D
 Acq: 12 Nov 2019 18:48

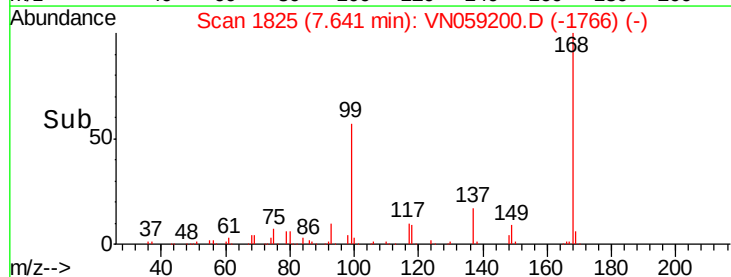
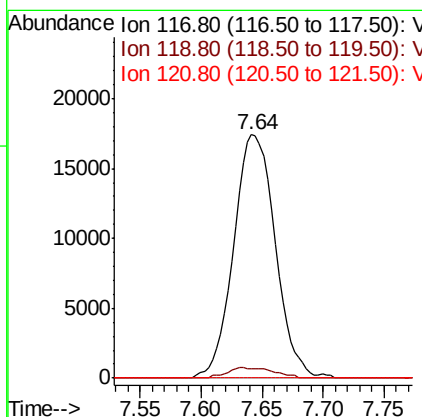
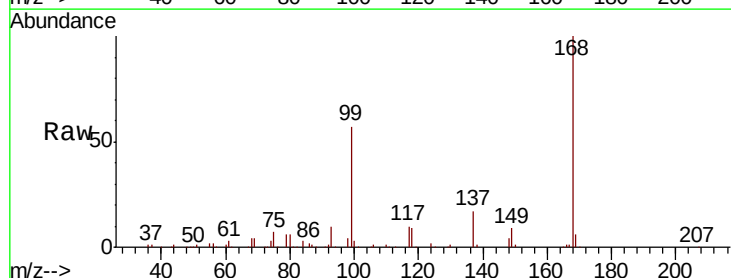
Instrument :
 MSVOA_N
 ClientSampled :

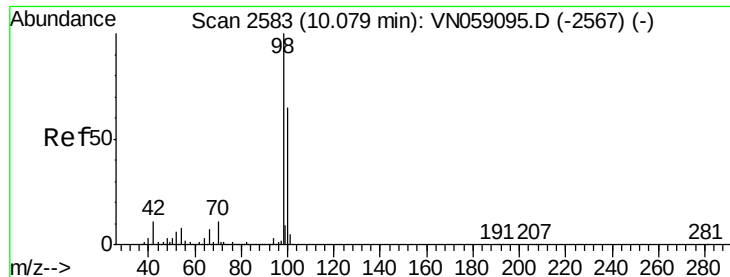
Tot Ion	Ratio	Lower	Upper
75	100		
110	3.7	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.632 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059200.D
 Acq: 12 Nov 2019 18:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 52.773 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

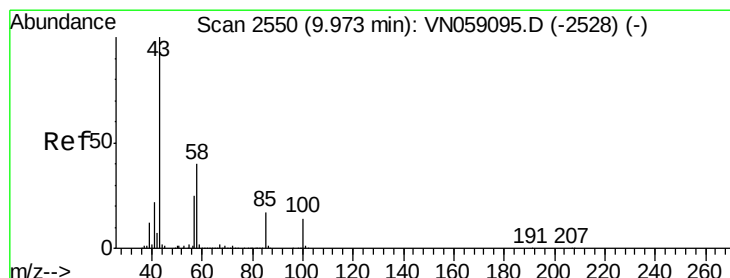
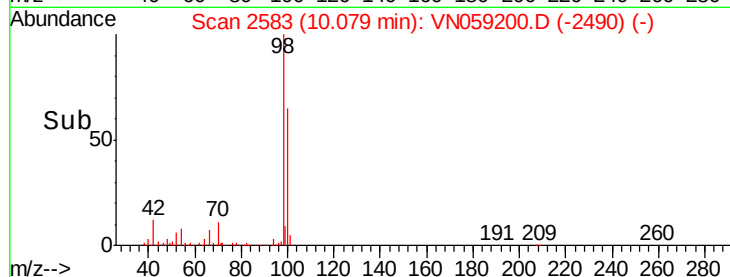
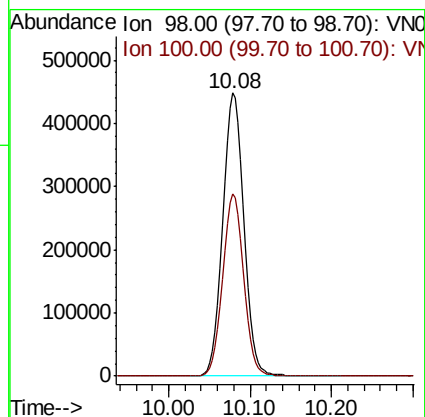
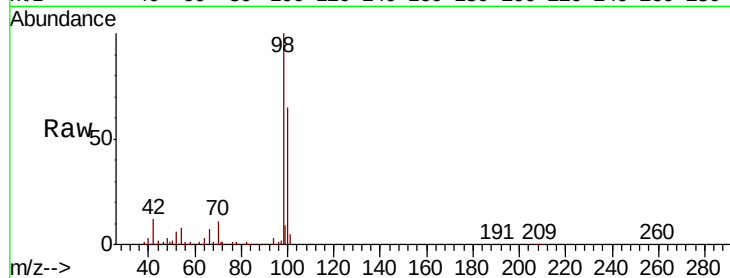
ClientSampled :

Tot Ion: 98 Resp: 828385

Ion Ratio Lower Upper

98 100

100 63.9 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.559 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN059200.D

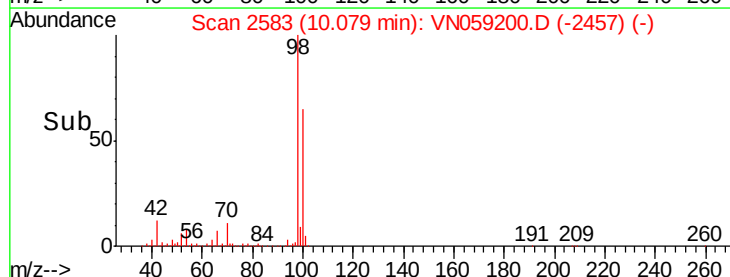
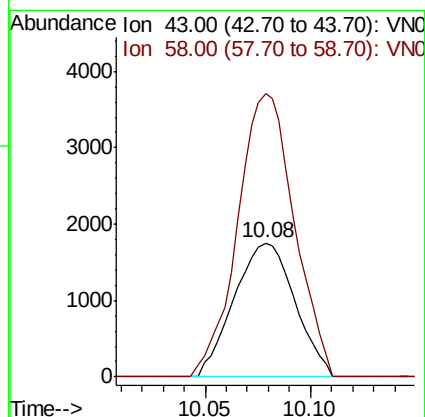
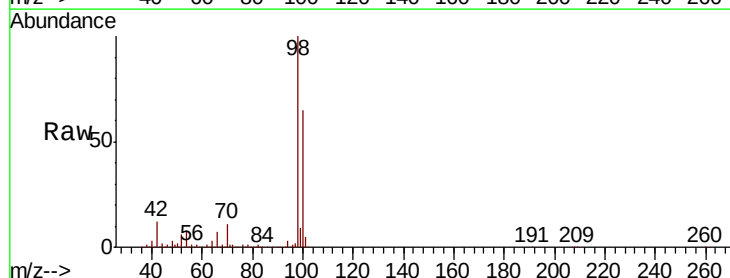
Acq: 12 Nov 2019 18:48

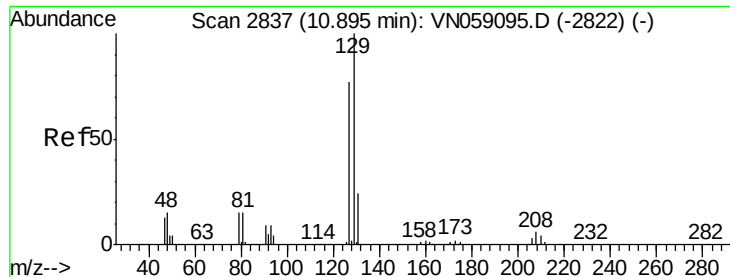
Tgt Ion: 43 Resp: 3502

Ion Ratio Lower Upper

43 100

58 197.9 31.5 47.3#





#60

Dibromochloromethane

Concen: 4.347 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.27 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

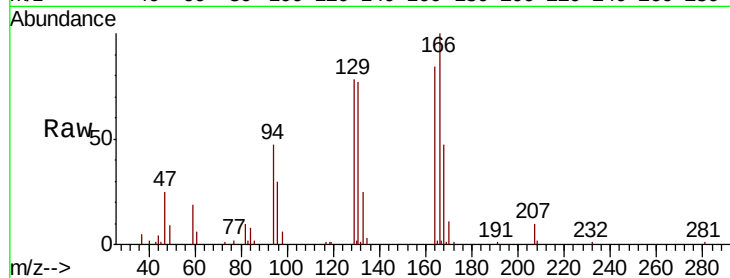
ClientSampled :

Tot Ion:129 Resp: 20946

Ion Ratio Lower Upper

129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.63

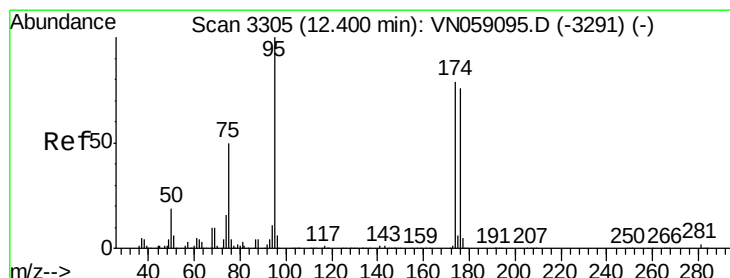
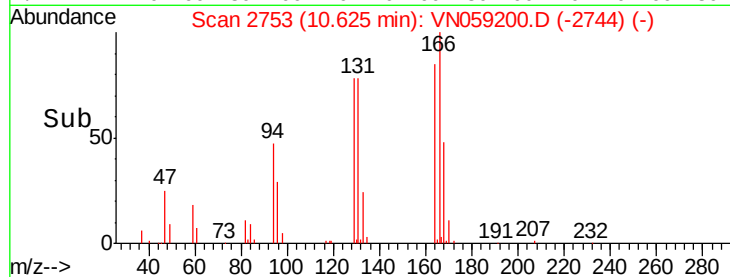
10000

5000

0

Time-->

10.60 10.65



#62

4-Bromofluorobenzene

Concen: 45.216 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

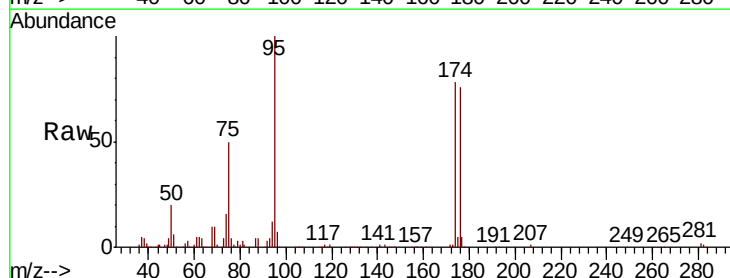
Tgt Ion: 95 Resp: 255911

Ion Ratio Lower Upper

95 100

174 79.0 0.0 158.2

176 76.1 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

150000

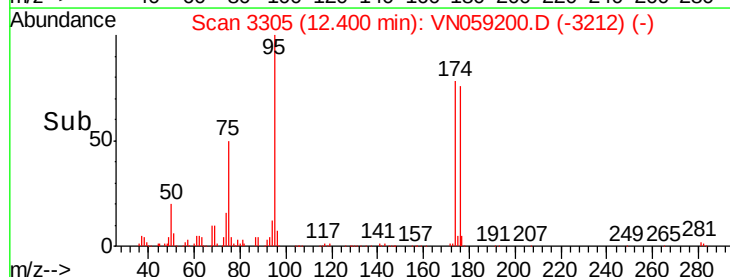
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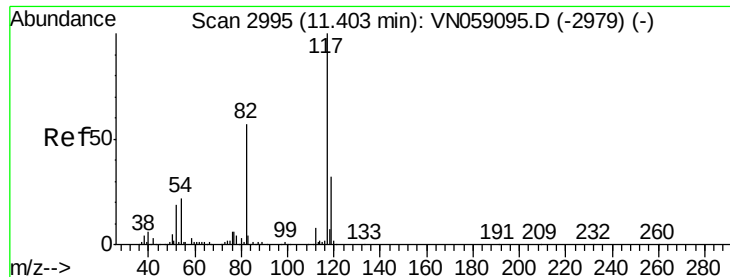
50000

0

Time-->

12.35 12.40 12.45 12.50





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampled :

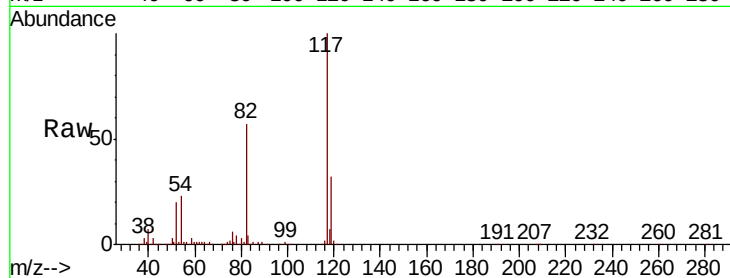
Tot Ion:117 Resp: 583947

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.8

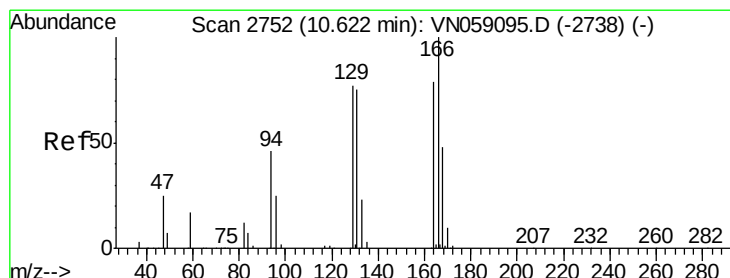
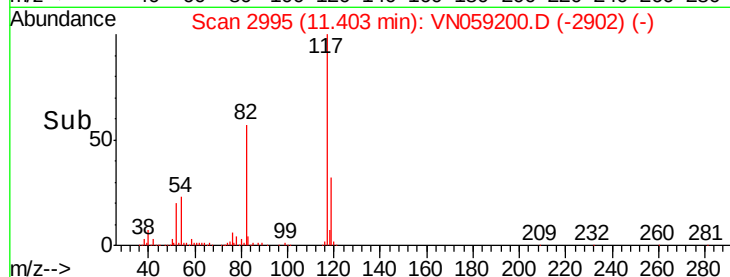
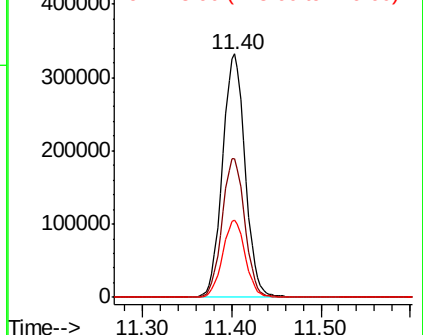
119 31.9 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 5.984 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Tgt Ion:164 Resp: 23762

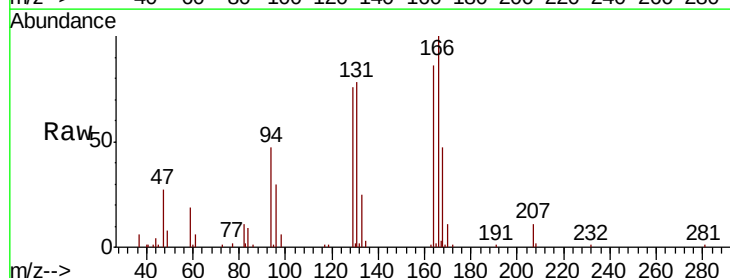
Ion Ratio Lower Upper

164 100

166 116.3 101.5 152.3

129 88.9 78.3 117.5

131 90.8 75.9 113.9

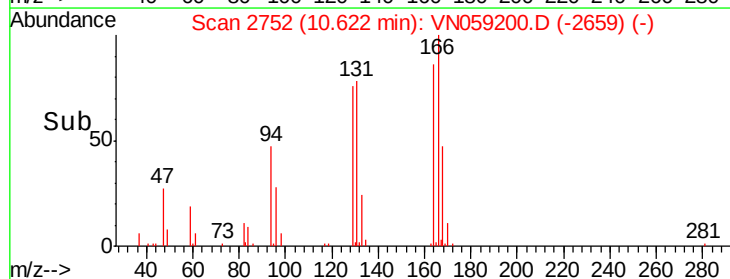
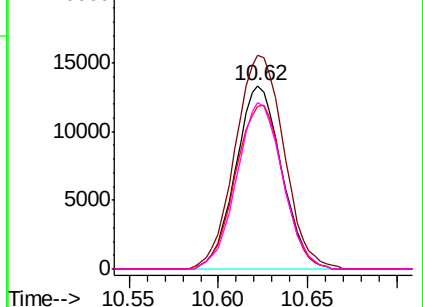


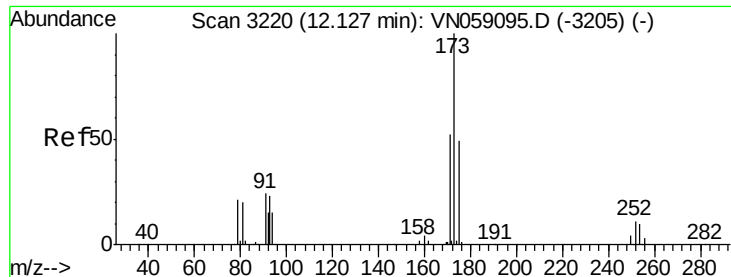
Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.494 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampled :

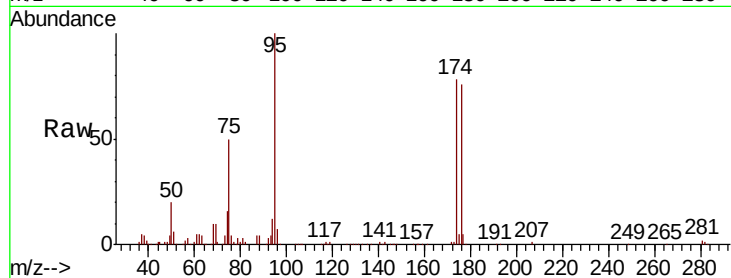
Tot Ion:173 Resp: 1642

Ion Ratio Lower Upper

173 100

175 775.0 24.2 72.6#

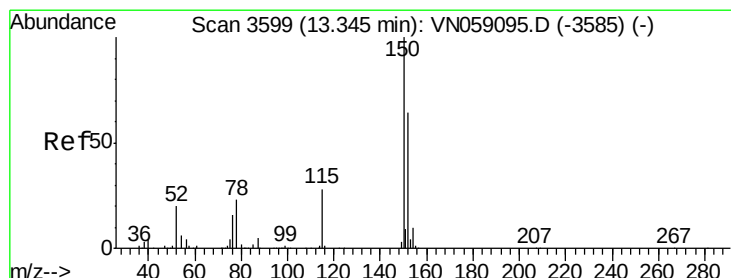
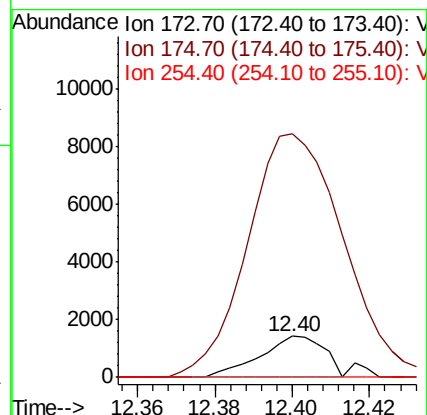
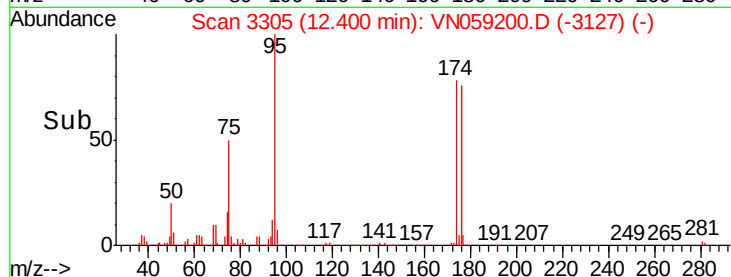
254 0.0 0.1 0.1#



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: VN059200.D

Acq: 12 Nov 2019 18:48

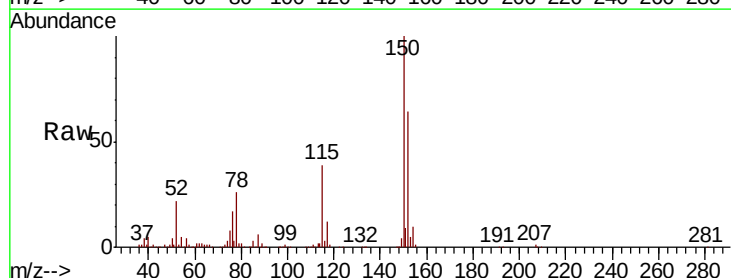
Tgt Ion:152 Resp: 209058

Ion Ratio Lower Upper

152 100

115 58.5 29.4 88.2

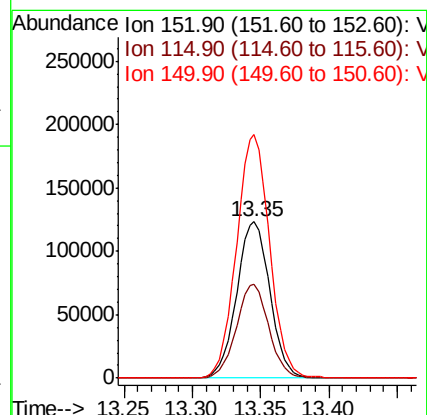
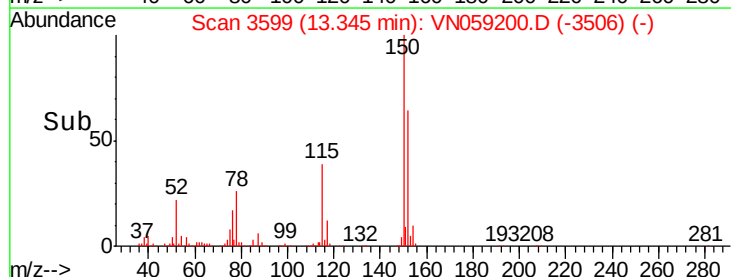
150 155.0 0.0 345.8

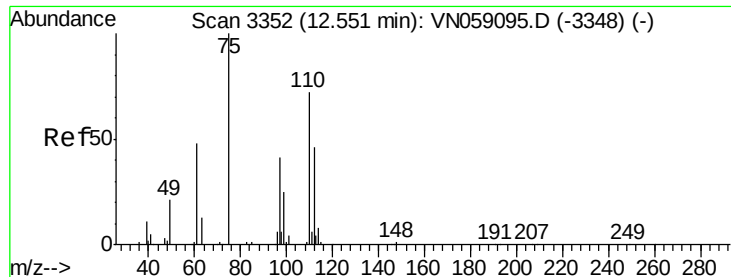


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.151 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

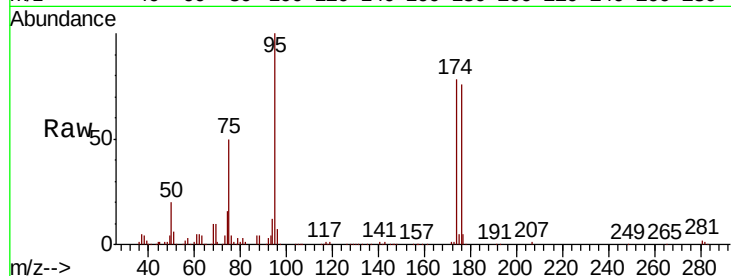
ClientSampled :

Tot Ion: 75 Resp: 129229

Ion Ratio Lower Upper

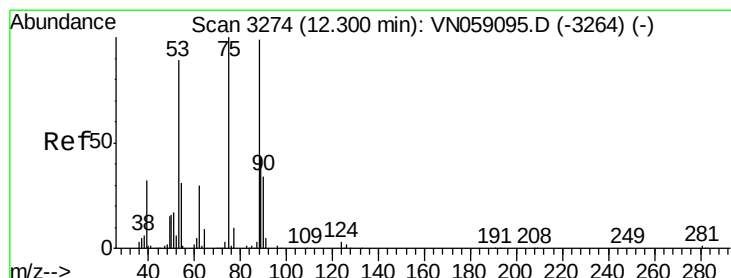
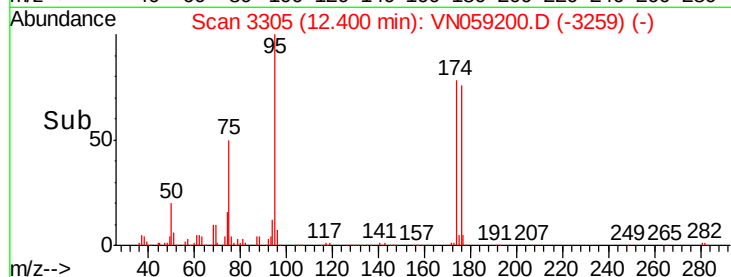
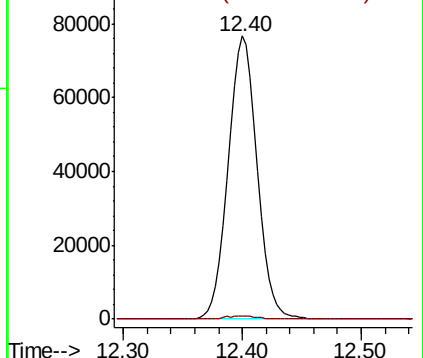
75 100

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: 71.715 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

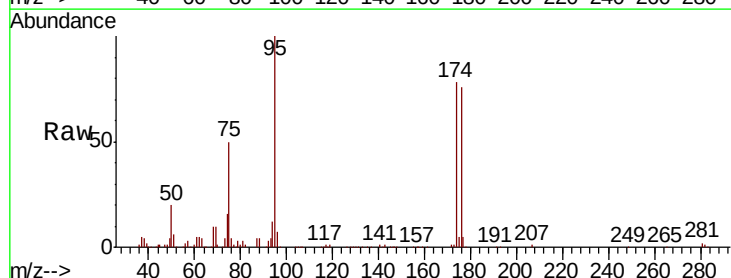
Tgt Ion: 75 Resp: 129229

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

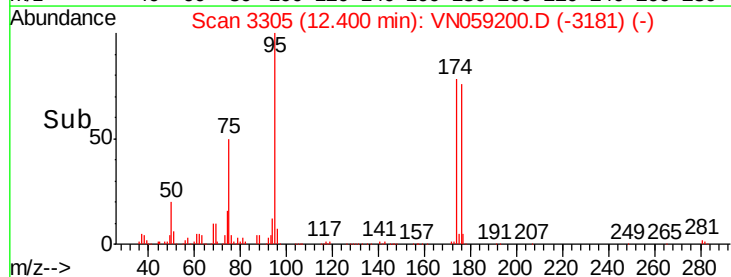
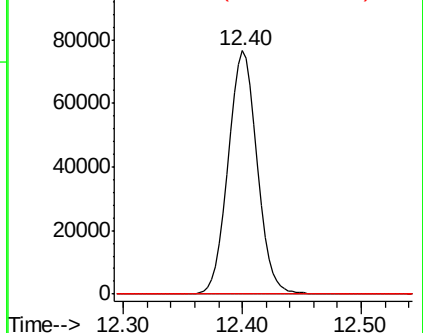
89 0.0 35.8 53.8#

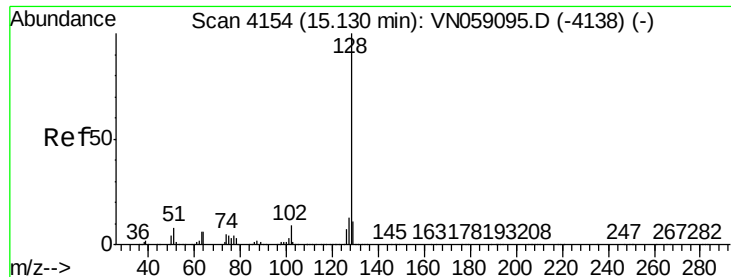


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 3.121 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059200.D

Acq: 12 Nov 2019 18:48

Instrument :

MSVOA_N

ClientSampleId :

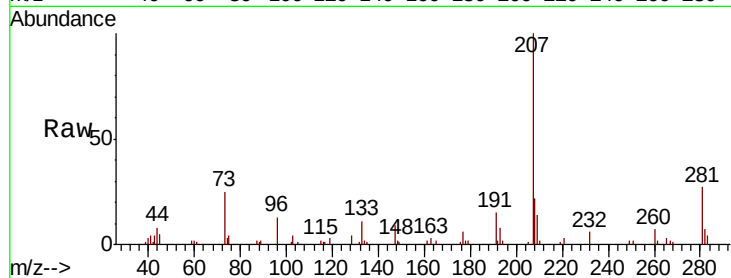
Tot Ion:128 Resp: 879

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

