

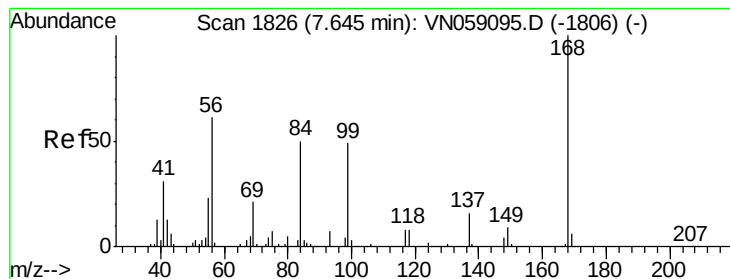
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059196.D
 Acq On : 12 Nov 2019 17:19
 Operator : JC/SP
 Sample : K5799-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 13 05:41:53 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	439902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689596	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	601839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216107	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	290764	53.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.54%	
35) Dibromofluoromethane	7.57	113	223742	54.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.68%	
50) Toluene-d8	10.08	98	858686	52.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.88%	
62) 4-Bromofluorobenzene	12.40	95	269050	46.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.02%	
Target Compounds						
					Qvalue	
30) Chloroform	7.36	83	3526	0.413	ug/l	88
31) Cyclohexane	7.64	56	8805	1.046	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	34274	5.317	ug/l #	49
38) Carbon Tetrachloride	7.64	117	42944	6.694	ug/l #	16
51) 4-Methyl-2-Pentanone	10.08	43	3697	0.572	ug/l #	1
71) Bromoform	12.40	173	1825	0.533	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	135850	27.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	135850	72.930	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.28	75	205	0.218	ug/l #	3
95) Naphthalene	15.13	128	1811	3.197	ug/l #	76

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059196.D

Acq: 12 Nov 2019 17:19

Instrument :

MSVOA_N

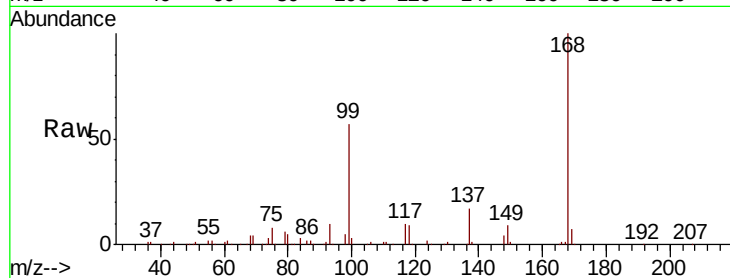
ClientSampleId :

Tot Ion:168 Resp: 439902

Ion Ratio Lower Upper

168 100

99 56.7 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

200000

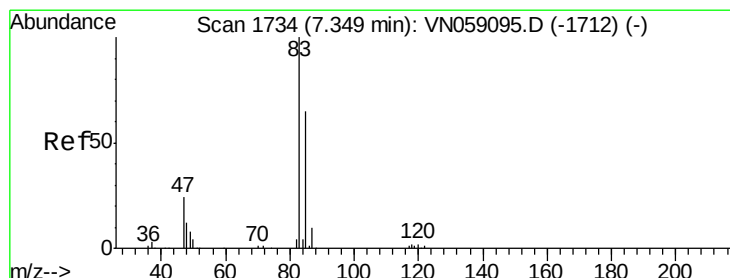
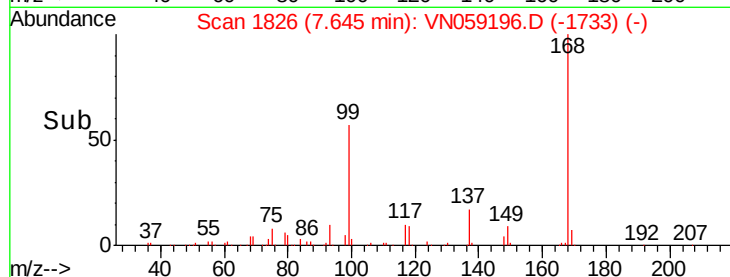
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#30

Chloroform

Concen: 0.413 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.01 min

Lab File: VN059196.D

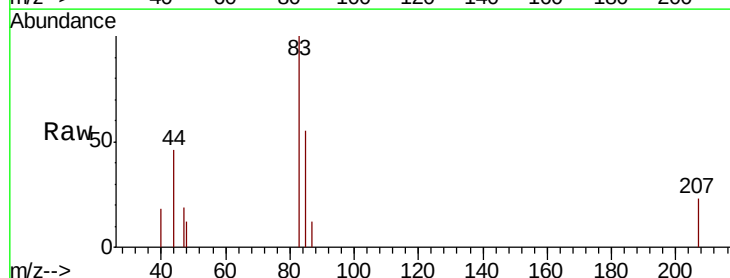
Acq: 12 Nov 2019 17:19

Tgt Ion: 83 Resp: 3526

Ion Ratio Lower Upper

83 100

85 55.3 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

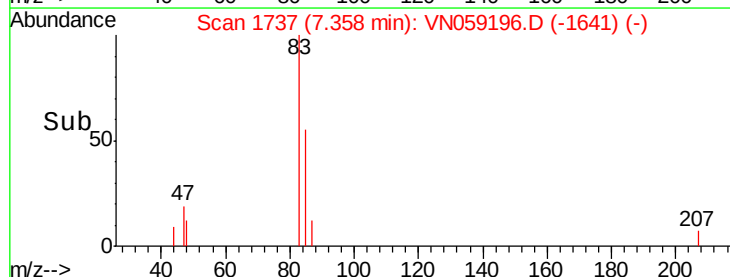
1500

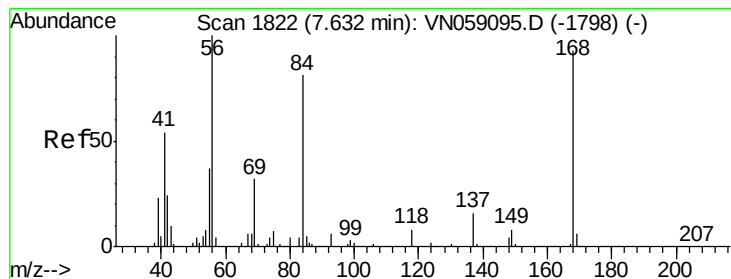
1000

500

0

Time--> 7.30 7.35 7.40





#31

Cyclohexane

Concen: 1.046 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059196.D

Acq: 12 Nov 2019 17:19

Instrument :
MSVOA_N
ClientSampled :

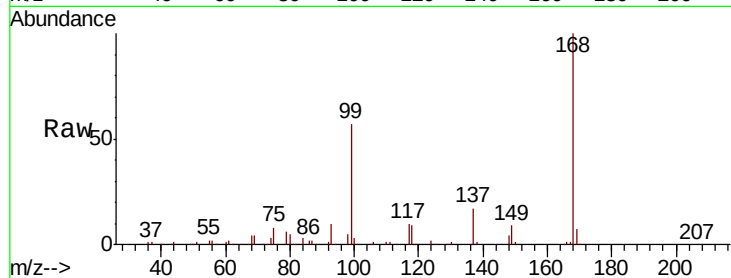
Tot Ion: 56 Resp: 8805

Ion Ratio Lower Upper

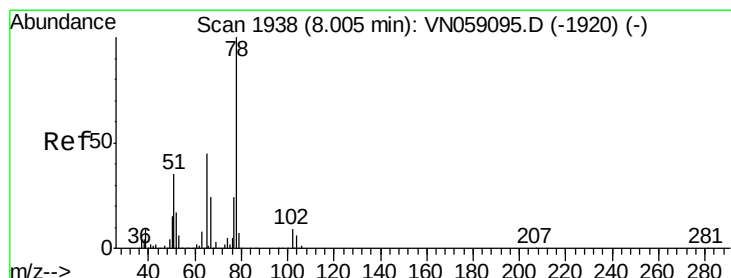
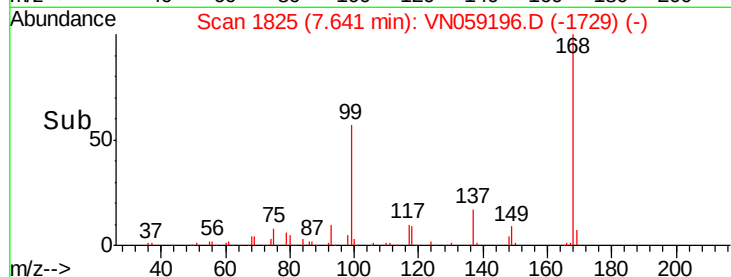
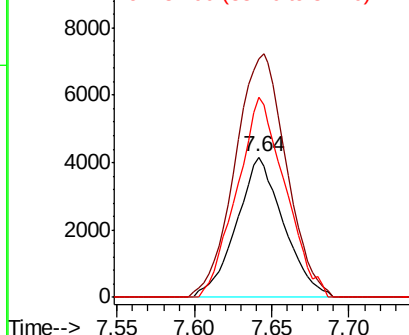
56 100

69 169.8 25.8 38.8#

84 142.9 65.0 97.4#



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: 53.770 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059196.D

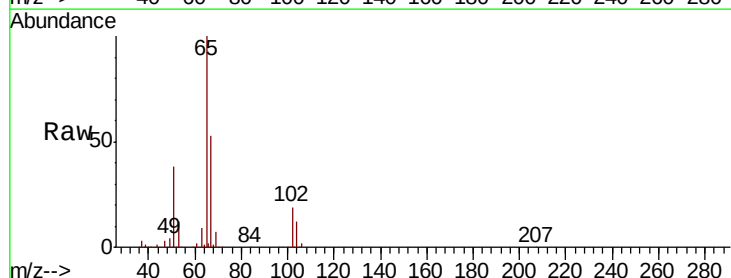
Acq: 12 Nov 2019 17:19

Tgt Ion: 65 Resp: 290764

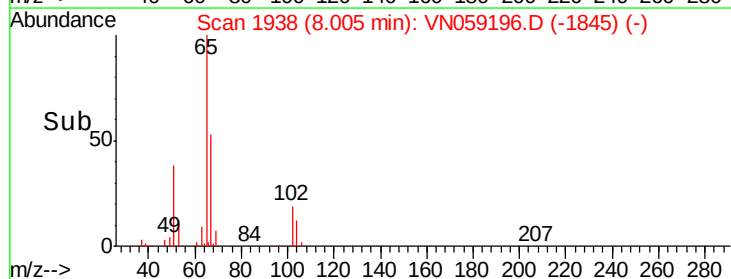
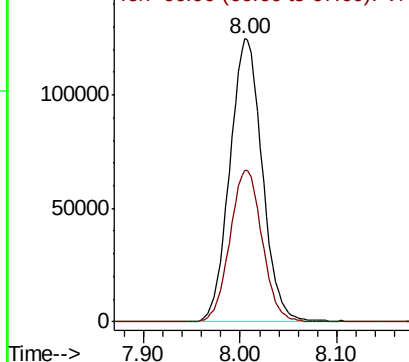
Ion Ratio Lower Upper

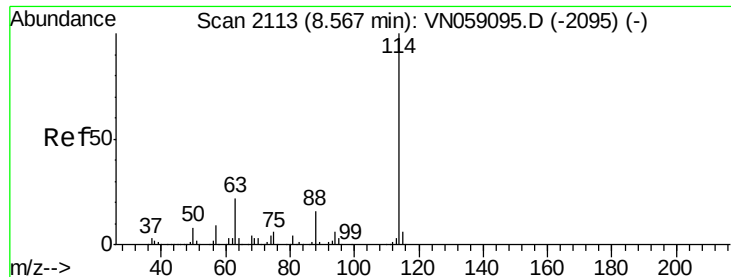
65 100

67 53.3 0.0 107.4



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

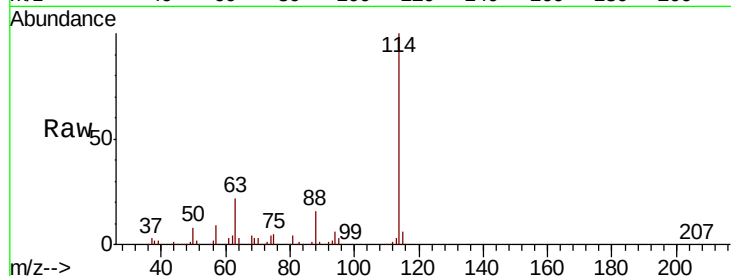




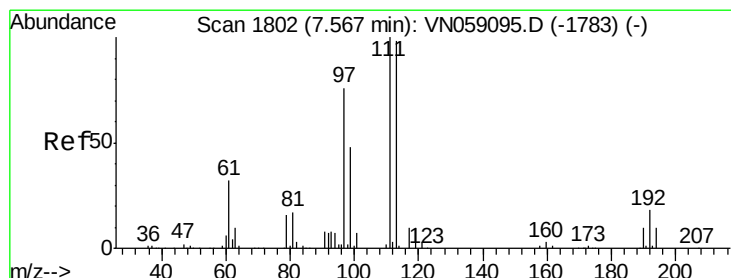
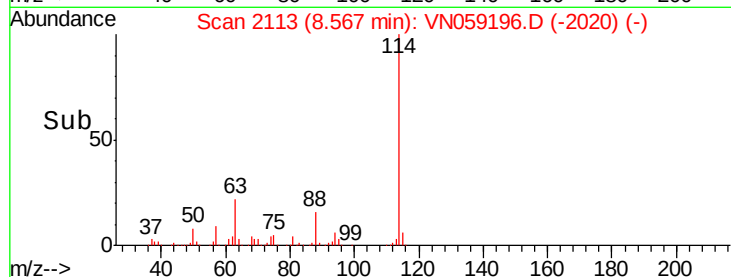
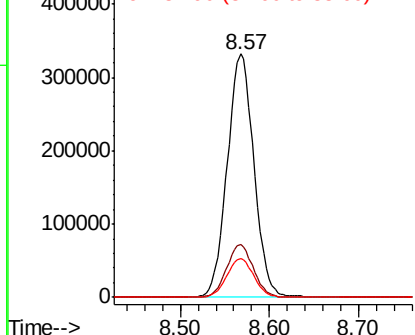
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059196.D
 Acq: 12 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.4
88	15.9	0.0	32.2

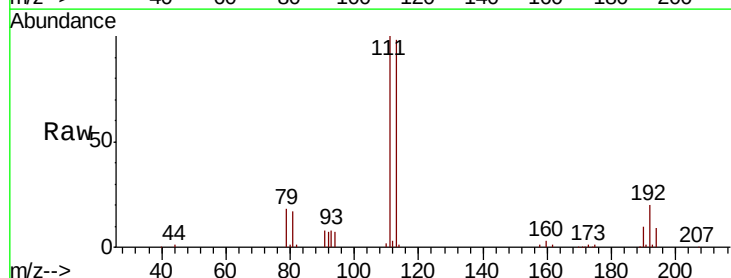


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

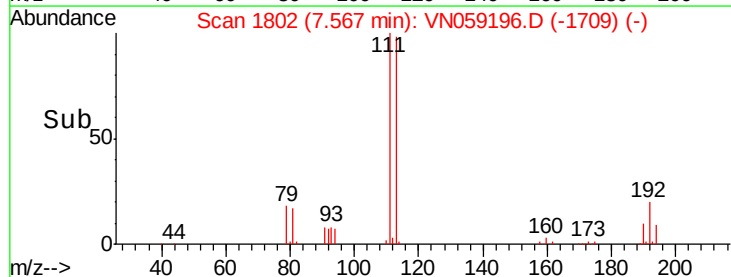
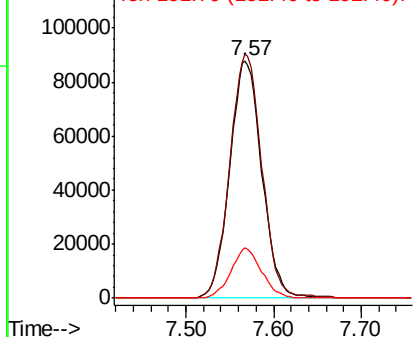


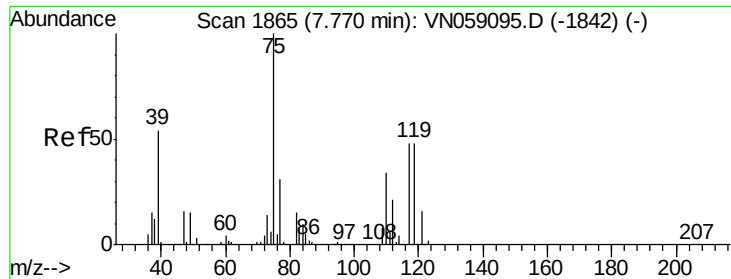
#35
 Dibromofluoromethane
 Concen: 54.338 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059196.D
 Acq: 12 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.8	124.2
192	20.0	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

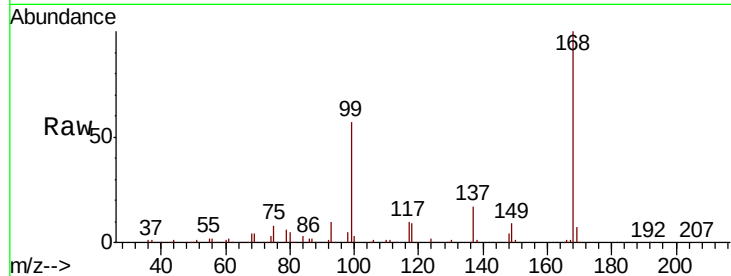




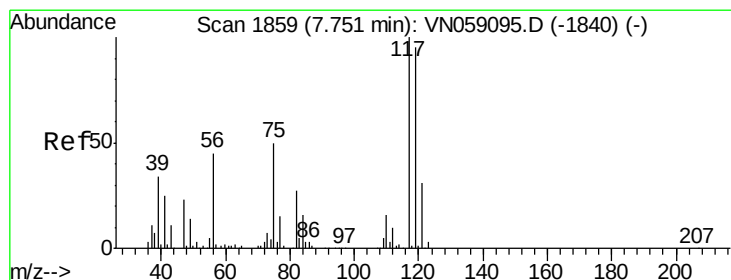
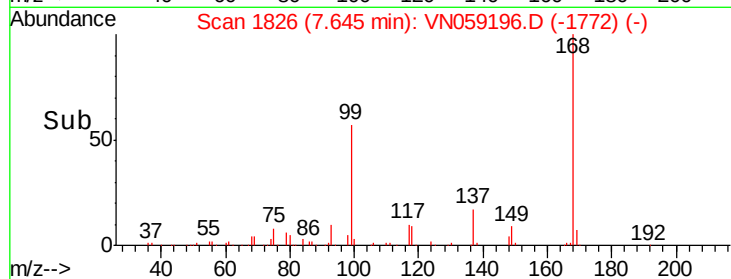
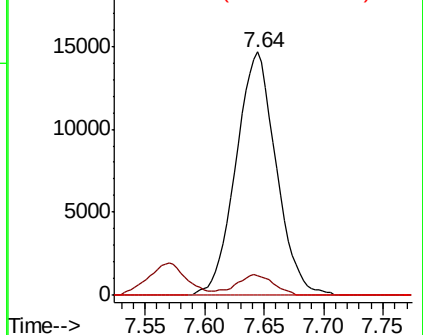
#36
 1,1-Dichloropropene
 Concen: 5.317 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059196.D
 Acq: 12 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	75	Resp	34274
Ion Ratio	Lower	Upper	
75	100		
110	7.6	17.1	51.2#
77	0.0	24.8	37.2#

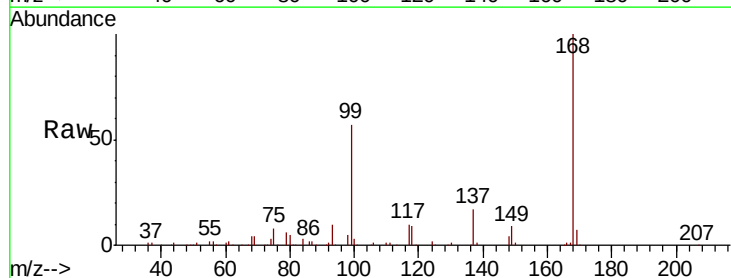


Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-1842) (-)
 Ion 109.90 (109.60 to 110.60): VN059095.D (-1842) (-)
 Ion 76.90 (76.60 to 77.60): VN059095.D (-1842) (-)

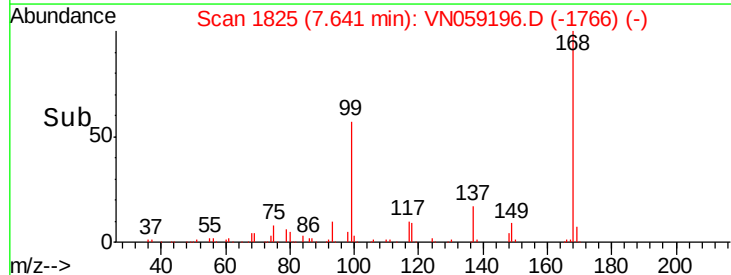
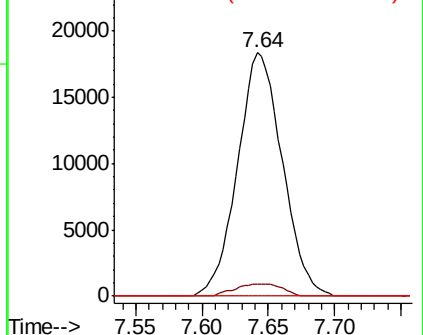


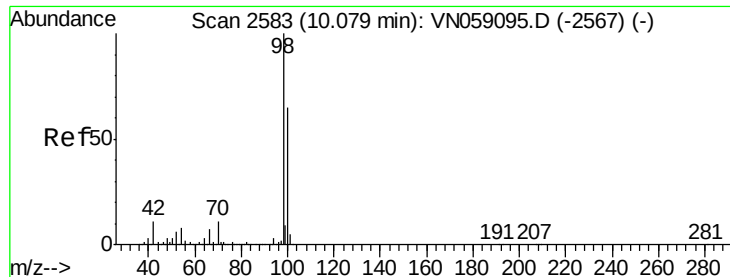
#38
 Carbon Tetrachloride
 Concen: 6.694 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059196.D
 Acq: 12 Nov 2019 17:19

Tgt Ion	117	Resp	42944
Ion Ratio	Lower	Upper	
117	100		
119	4.9	75.6	113.4#
121	0.0	24.6	36.8#



Abundance Ion 116.80 (116.50 to 117.50): VN059196.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059196.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059196.D (-1766) (-)





#50

Toluene-d8

Concen: 52.944 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN059196.D

Acq: 12 Nov 2019 17:19

Instrument :

MSVOA_N

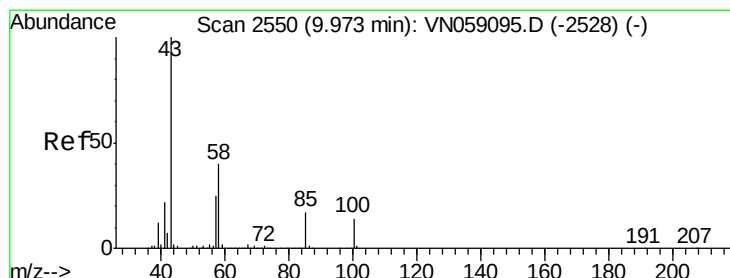
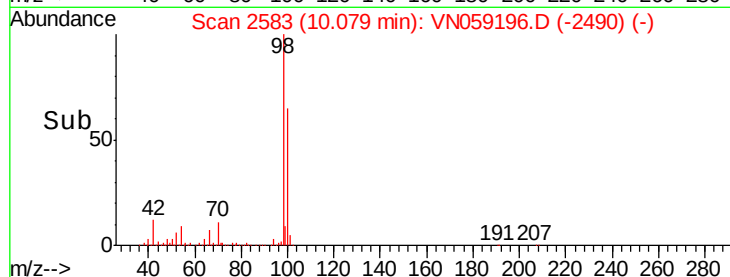
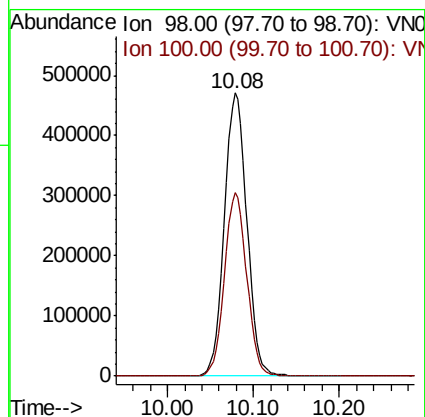
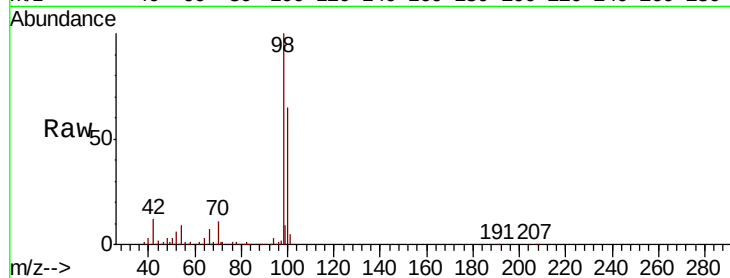
ClientSampleId :

Tot Ion: 98 Resp: 858686

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.572 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.11 min

Lab File: VN059196.D

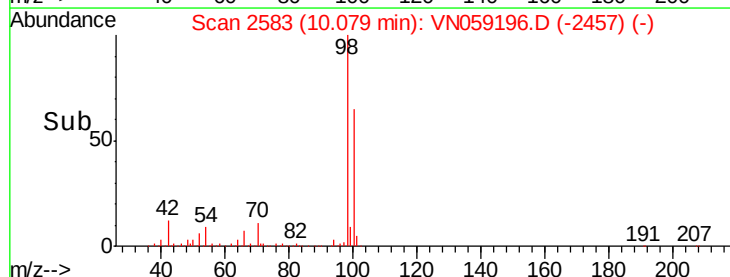
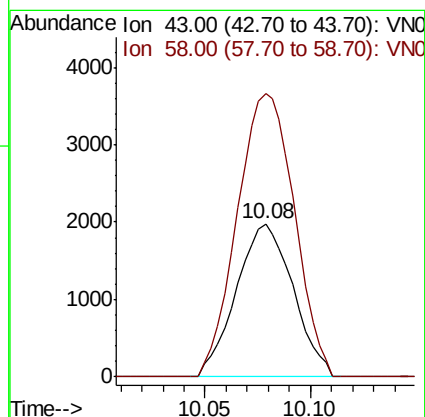
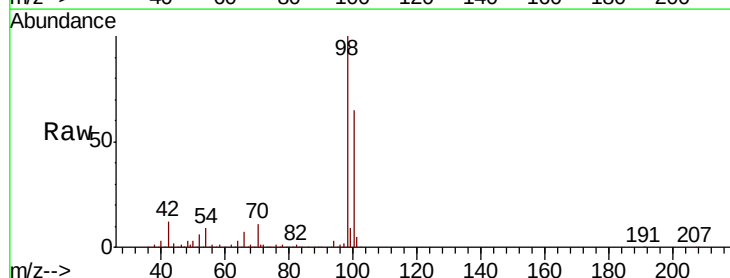
Acq: 12 Nov 2019 17:19

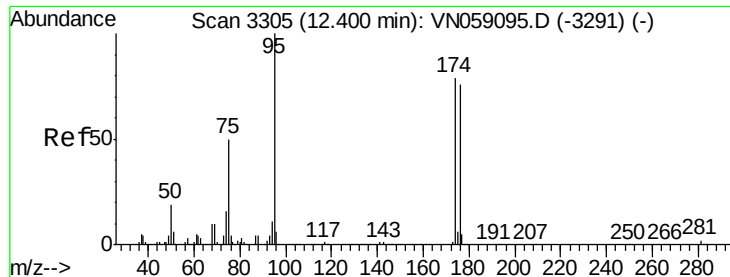
Tgt Ion: 43 Resp: 3697

Ion Ratio Lower Upper

43 100

58 186.2 31.5 47.3#

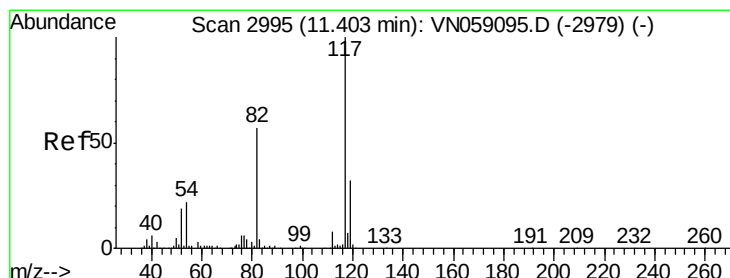
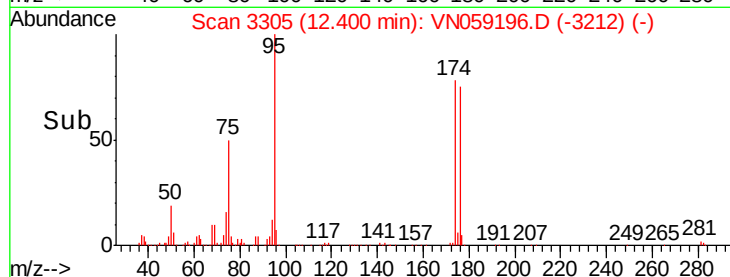
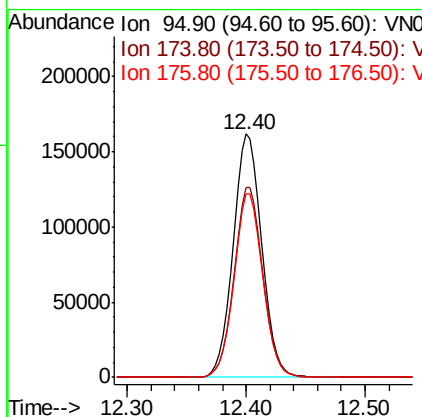
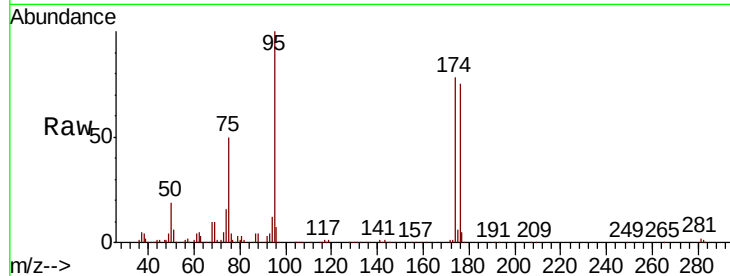




#62
4-Bromofluorobenzene
Concen: 46.008 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059196.D
Acq: 12 Nov 2019 17:19

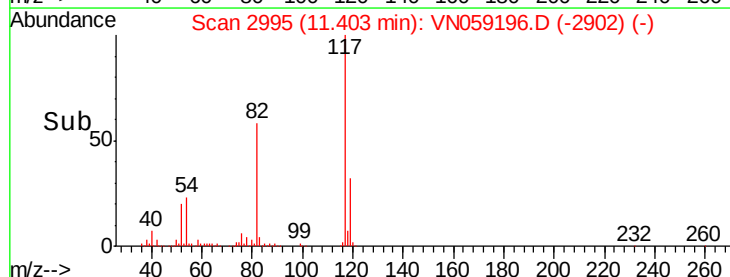
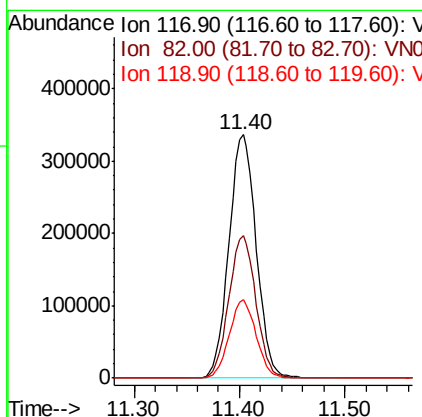
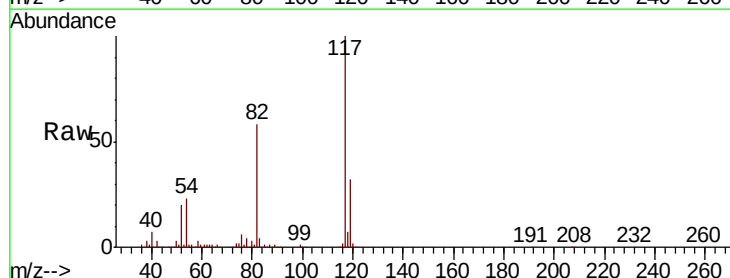
Instrument :
MSVOA_N
ClientSampled :

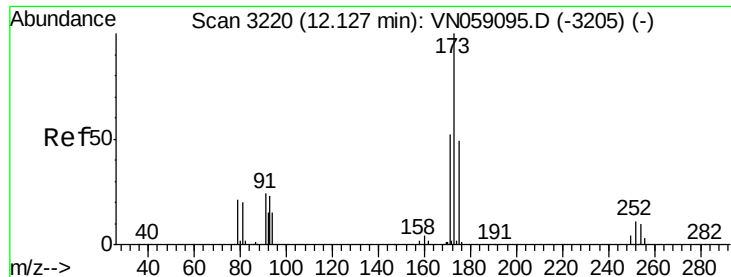
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.4	0.0	158.2
176	75.8	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059196.D
Acq: 12 Nov 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.8	68.8
119	32.1	25.8	38.6





#71

Bromoform

Concen: 0.533 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059196.D

Acq: 12 Nov 2019 17:19

Instrument :

MSVOA_N

ClientSampleId :

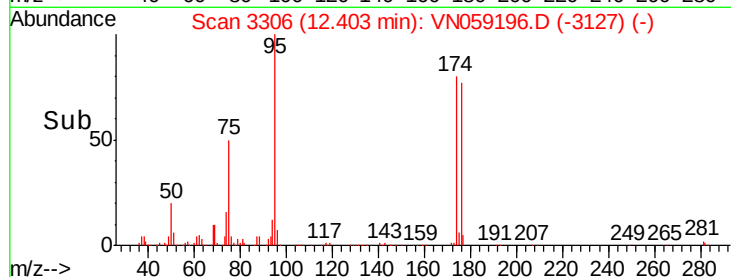
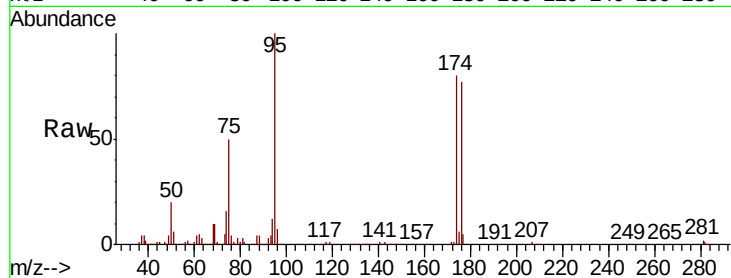
Tot Ion:173 Resp: 1825

Ion Ratio Lower Upper

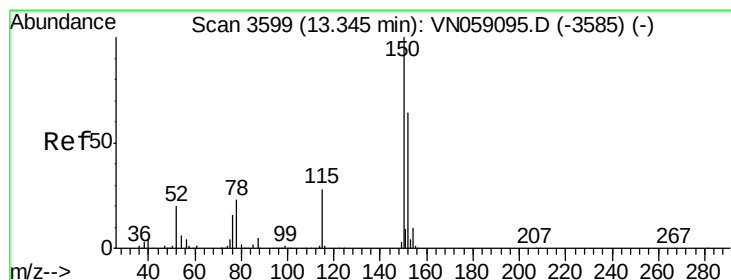
173 100

175 716.1 24.2 72.6#

254 0.0 0.1 0.1#



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059196.D

Acq: 12 Nov 2019 17:19

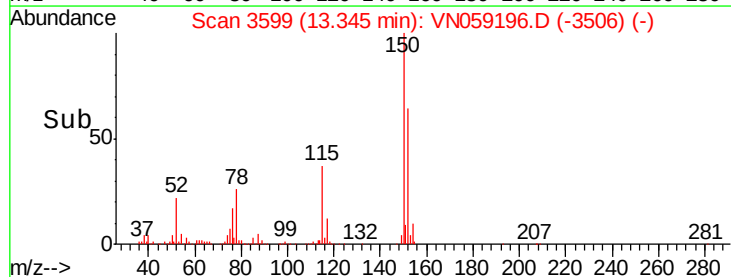
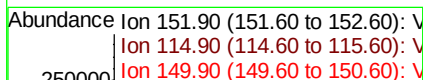
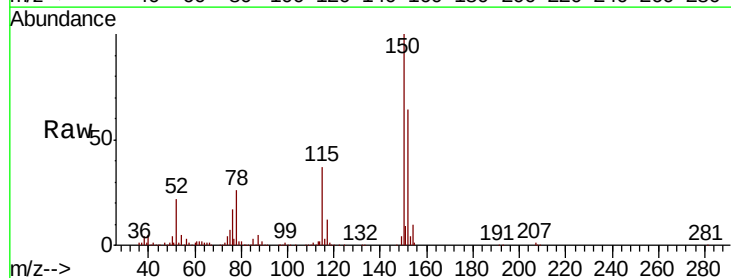
Tgt Ion:152 Resp: 216107

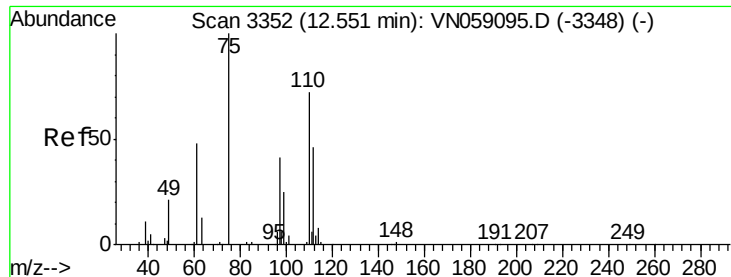
Ion Ratio Lower Upper

152 100

115 59.0 29.4 88.2

150 156.9 0.0 345.8





#76

1,2,3-Trichloropropane

Concen: 27.612 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN059196.D

Acq: 12 Nov 2019 17:19

Instrument :

MSVOA_N

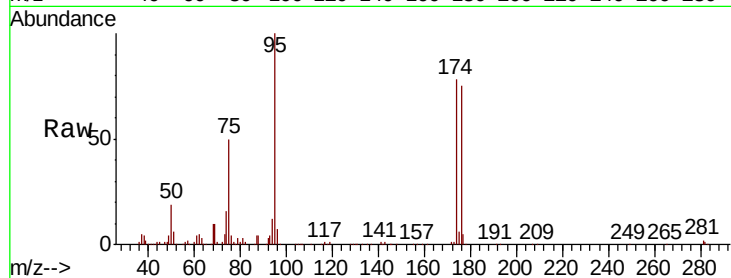
ClientSampleId :

Tot Ion: 75 Resp: 135850

Ion Ratio Lower Upper

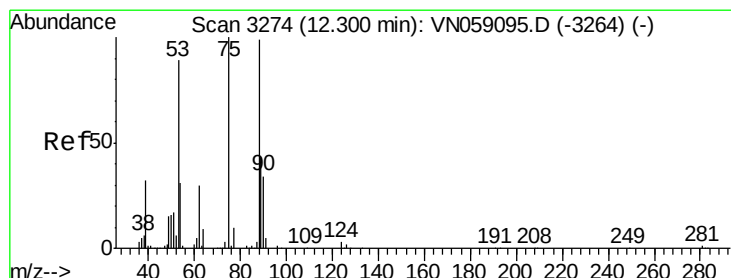
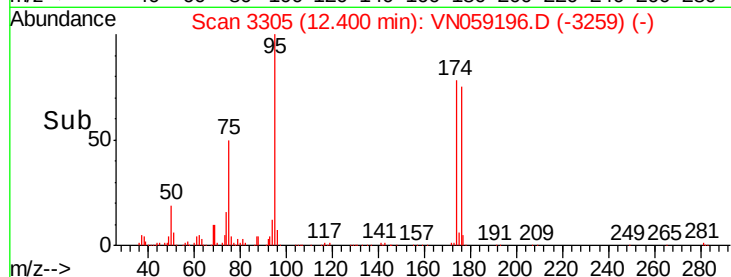
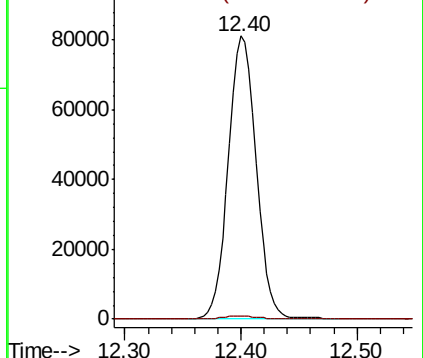
75 100

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: 72.930 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN059196.D

Acq: 12 Nov 2019 17:19

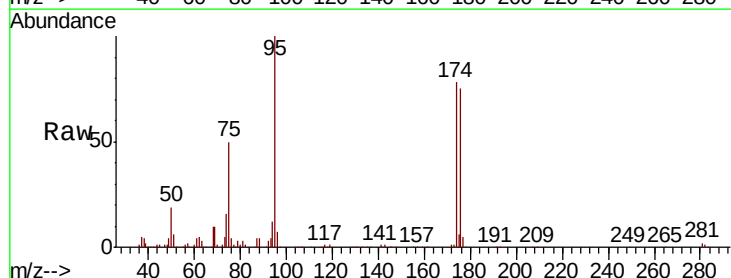
Tgt Ion: 75 Resp: 135850

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

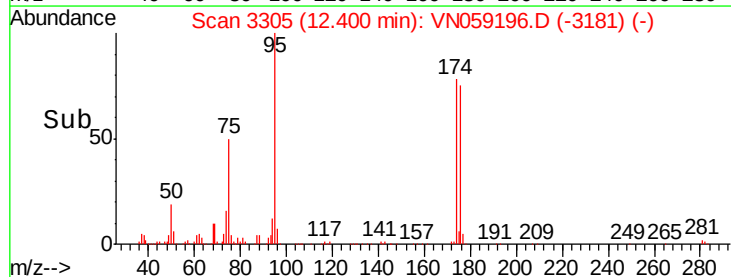
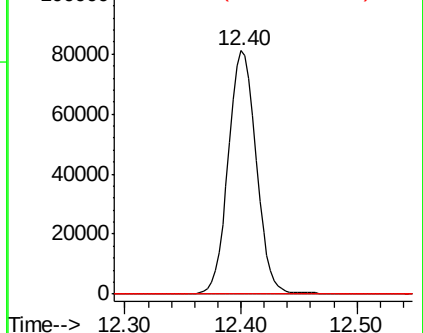
89 0.0 35.8 53.8#

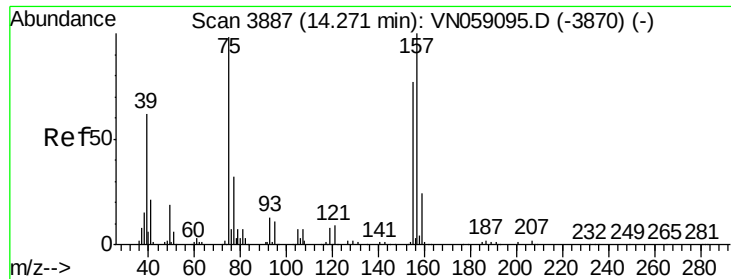


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

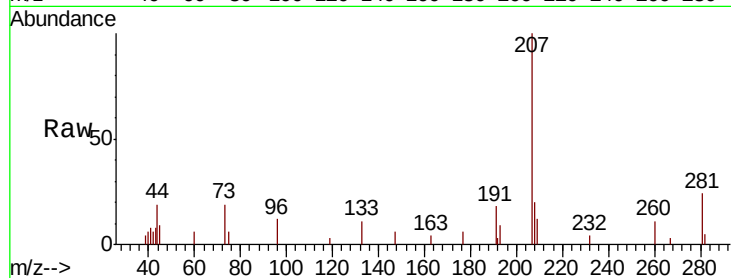




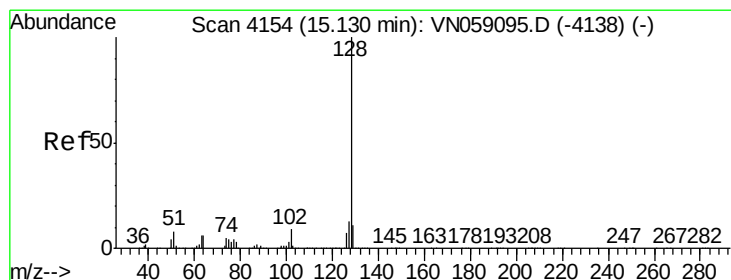
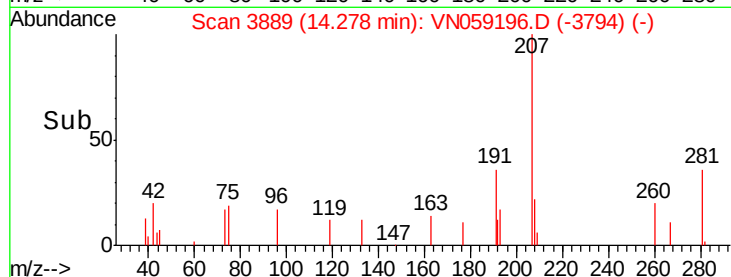
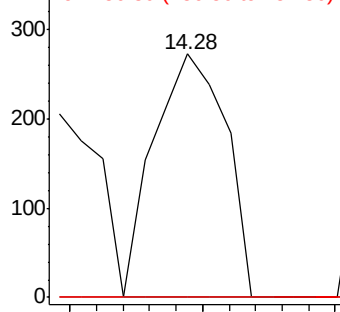
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.218 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.01 min
 Lab File: VN059196.D
 Acq: 12 Nov 2019 17:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 205
 Ion Ratio Lower Upper
 75 100
 155 0.0 40.2 120.6#
 157 0.0 51.8 155.5#

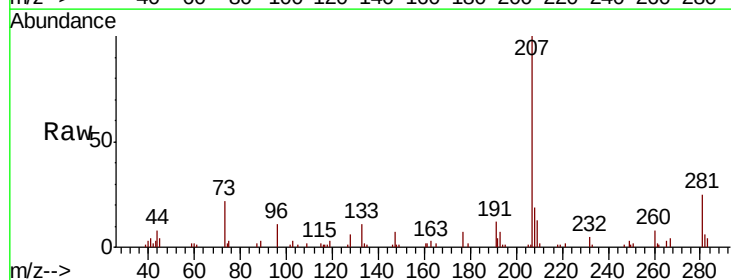


Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3870) (-)
 Ion 154.80 (154.50 to 155.50): VN059095.D (-3870) (-)
 Ion 156.80 (156.50 to 157.50): VN059095.D (-3870) (-)



#95
 Naphthalene
 Concen: 3.197 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059196.D
 Acq: 12 Nov 2019 17:19

Tgt Ion: 128 Resp: 1811
 Ion Ratio Lower Upper
 128 100
 127 5.0 10.2 15.2#
 129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059095.D (-4138) (-)
 Ion 127.00 (126.70 to 127.70): VN059095.D (-4138) (-)
 Ion 129.00 (128.70 to 129.70): VN059095.D (-4138) (-)

