

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059912.D
 Acq On : 29 Jan 2020 15:10
 Operator : JC/MD
 Sample : L1289-30
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 30 00:02:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	309889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111812	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	109207	48.15	ug/l	0.00
Spiked Amount						
			Recovery	=	96.30%	
35) Dibromofluoromethane	7.57	113	95410	51.63	ug/l	0.00
Spiked Amount						
			Recovery	=	103.26%	
50) Toluene-d8	10.08	98	368337	51.44	ug/l	0.00
Spiked Amount						
			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	12.40	95	120983	46.87	ug/l	0.00
Spiked Amount						
			Recovery	=	93.74%	

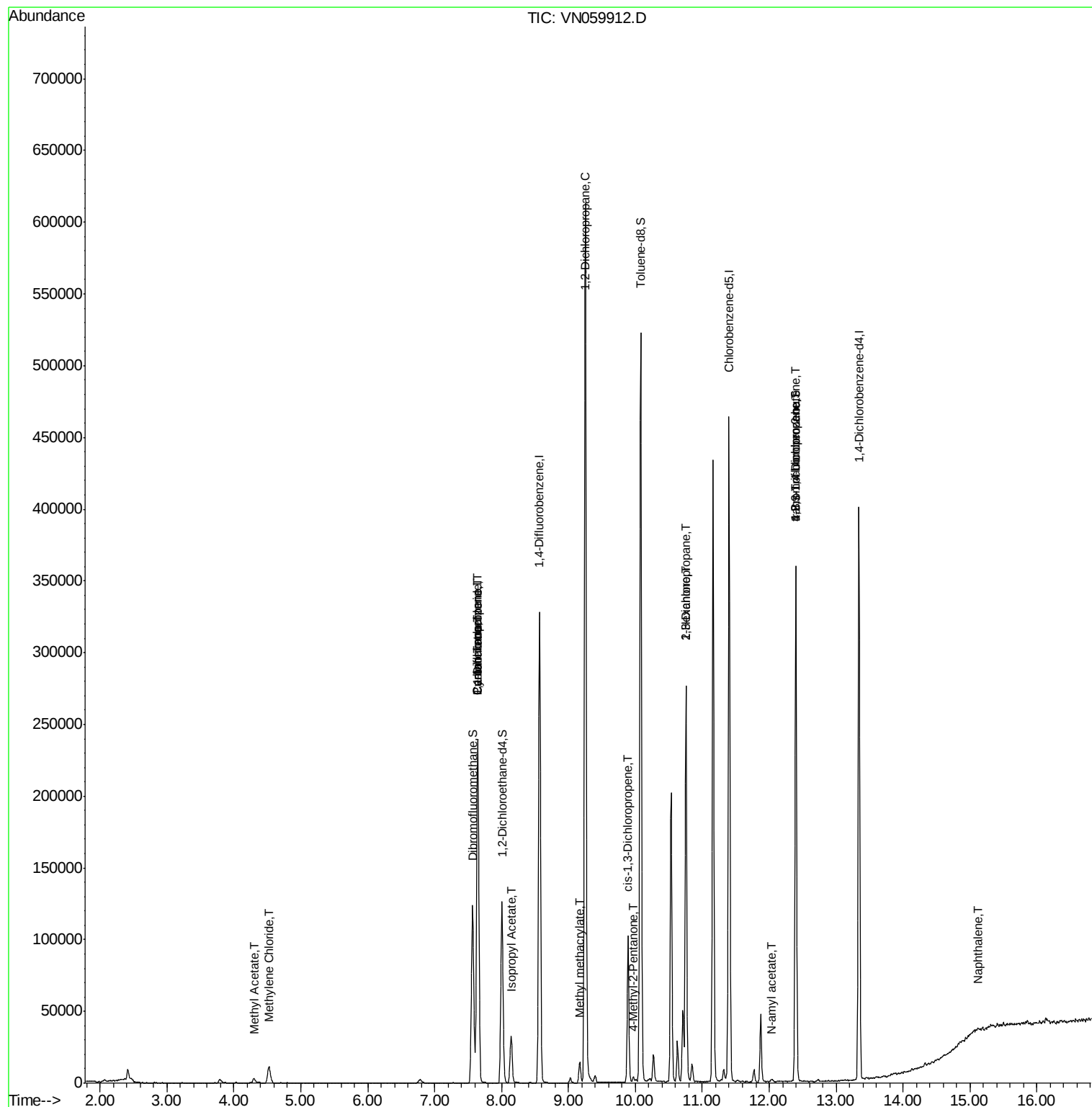
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	4728	Below Cal		93
18) Methyl Acetate	4.30	43	6112	2.307	ug/l	99
20) Methylene Chloride	4.52	84	9494	3.421	ug/l #	84
31) Cyclohexane	7.65	56	3711	1.106	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13863	5.137	ug/l #	45
38) Carbon Tetrachloride	7.64	117	19101	6.507	ug/l #	17
43) Isopropyl Acetate	8.14	43	39919	9.169	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	721	0.362	ug/l #	44
48) Methyl methacrylate	9.17	41	1876	0.963	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2025	0.805	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	19076	5.735	ug/l #	57
57) 1,3-Dichloropropane	10.75	76	3192	0.999	ug/l #	42
59) 2-Hexanone	10.75	43	38142	20.572	ug/l #	56
74) N-amyl acetate	12.03	43	3067	0.964	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	60792	32.307	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	60792	69.380	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.31	75	172	Below Cal	#	6
95) Naphthalene	15.13	128	1275	0.209	ug/l #	69

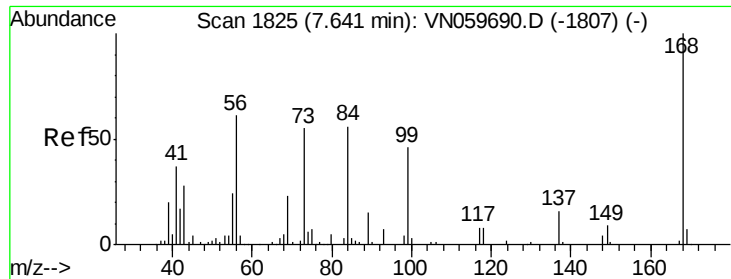
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
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: VN059912.D

Acq: 29 Jan 2020 15:10

Instrument :

MSVOA_N

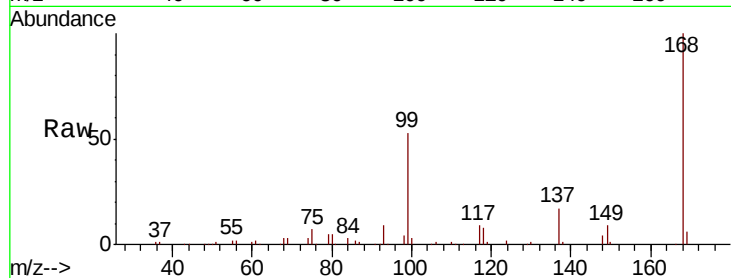
ClientSampleId :

Tot Ion:168 Resp: 204236

Ion Ratio Lower Upper

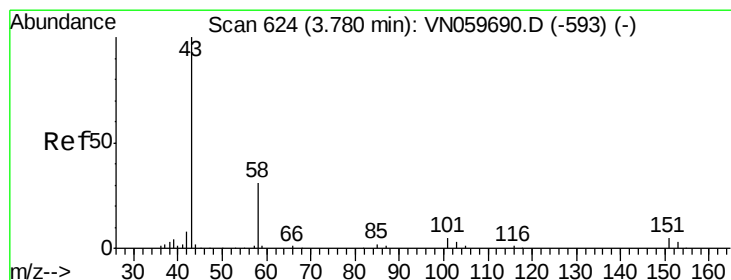
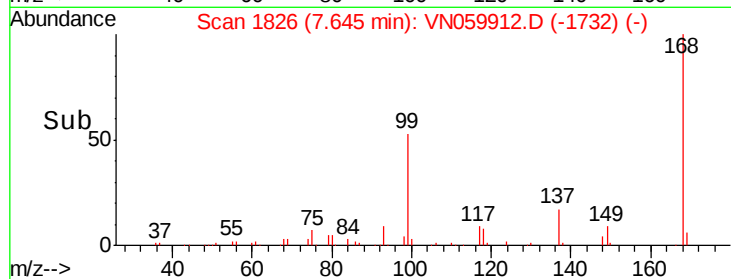
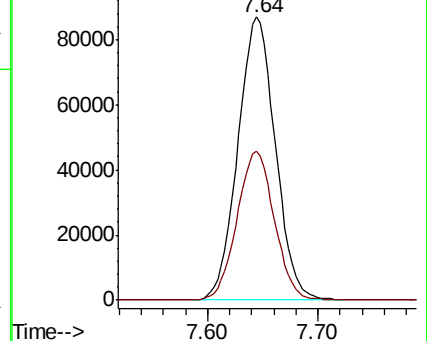
168 100

99 52.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059912.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059912.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059912.D

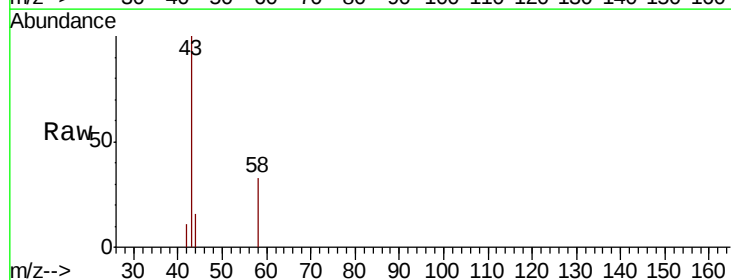
Acq: 29 Jan 2020 15:10

Tgt Ion: 43 Resp: 4728

Ion Ratio Lower Upper

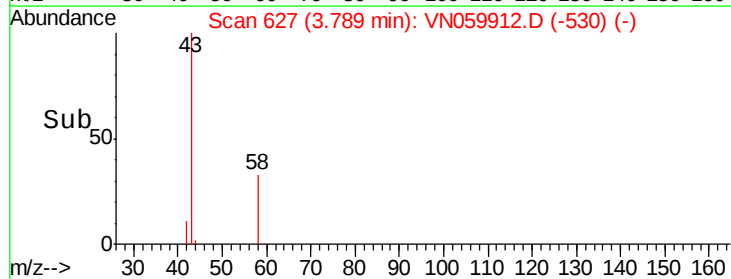
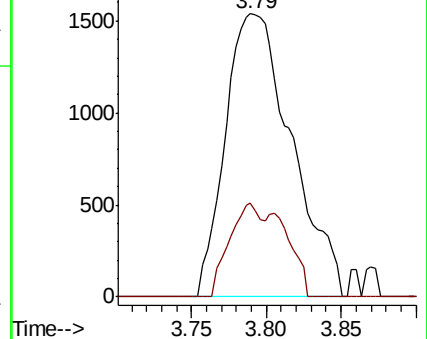
43 100

58 33.3 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059912.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059912.D (-530) (-)

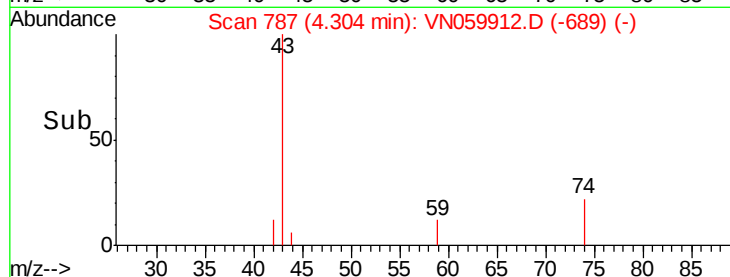
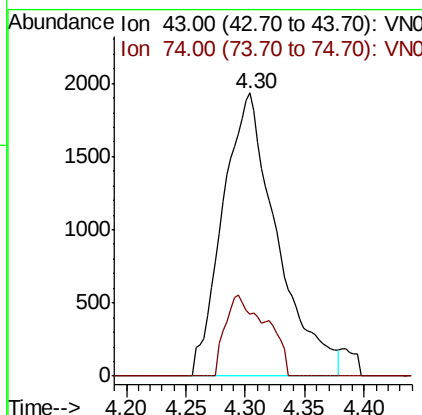
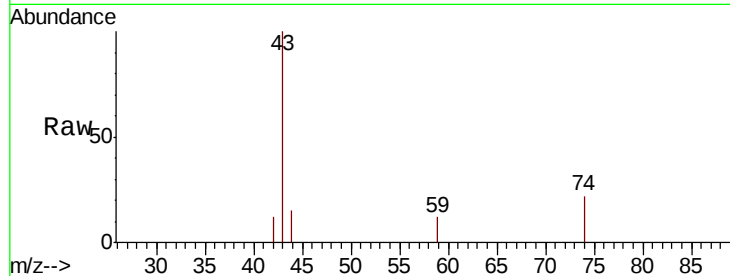




#18
Methyl Acetate
Concen: 2.307 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

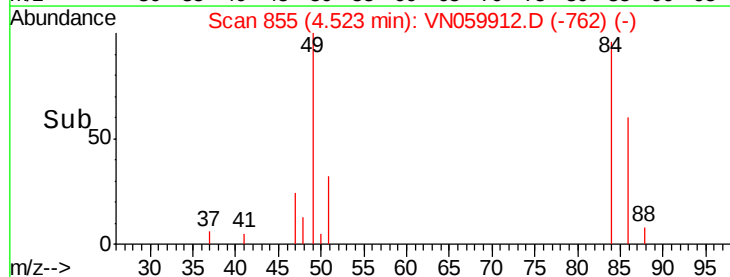
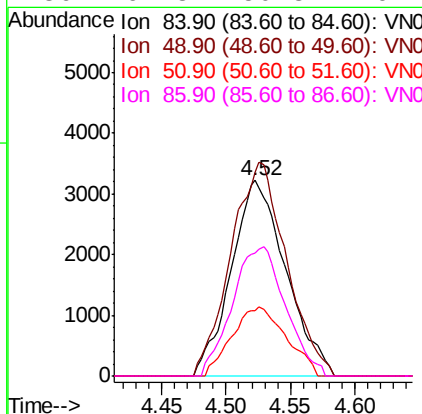
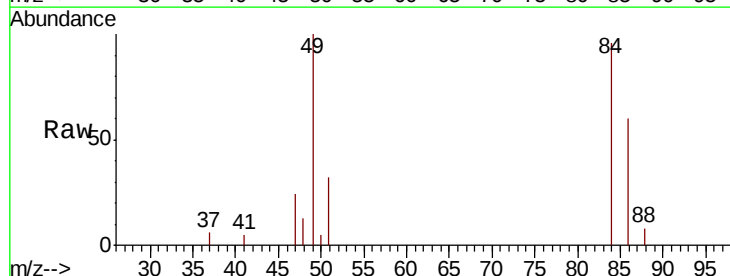
Instrument :
MSVOA_N
ClientSampleId :

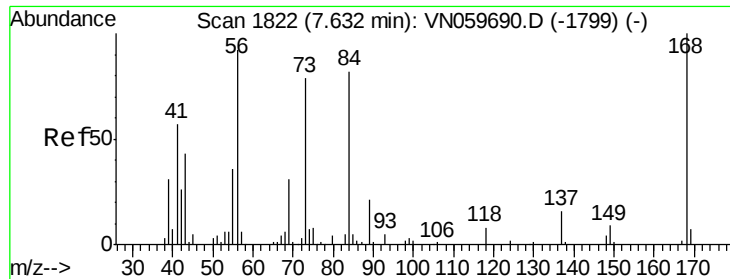
Tot Ion: 43 Resp: 6112
Ion Ratio Lower Upper
43 100
74 21.6 17.5 26.3



#20
Methylene Chloride
Concen: 3.421 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

Tgt Ion: 84 Resp: 9494
Ion Ratio Lower Upper
84 100
49 104.4 106.6 160.0#
51 33.7 31.9 47.9
86 62.8 50.8 76.2

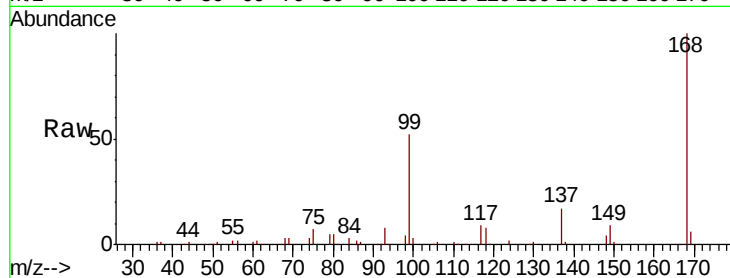




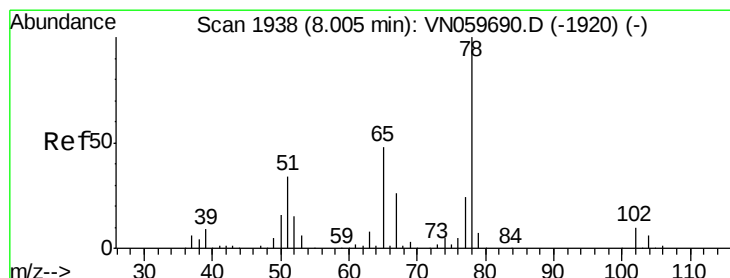
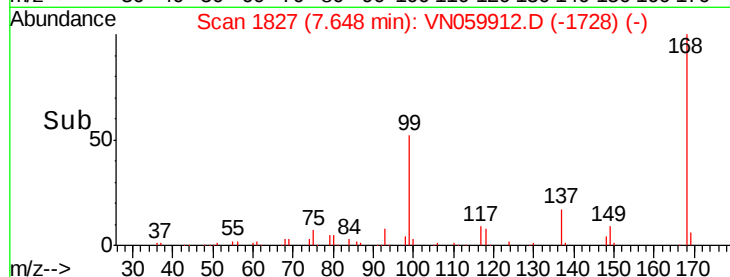
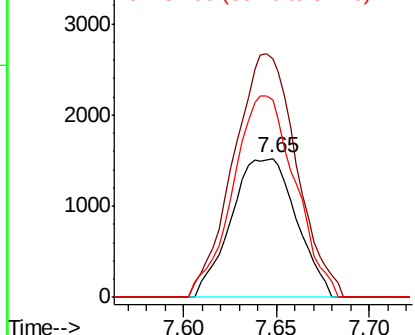
#31
Cyclohexane
Concen: 1.106 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3711
Ion Ratio Lower Upper
56 100
69 171.3 26.5 39.7#
84 142.5 65.3 97.9#

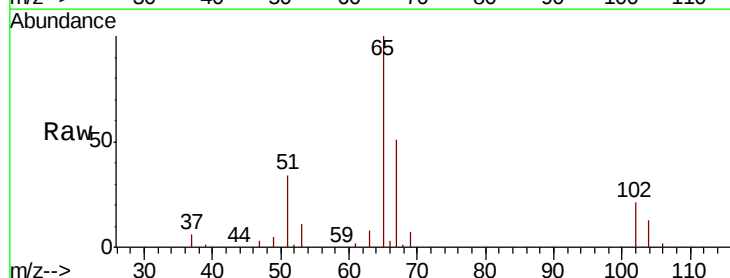


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

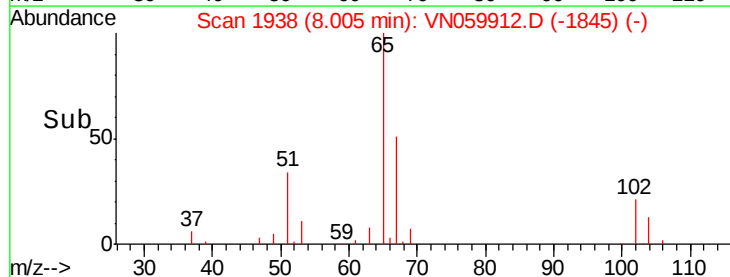
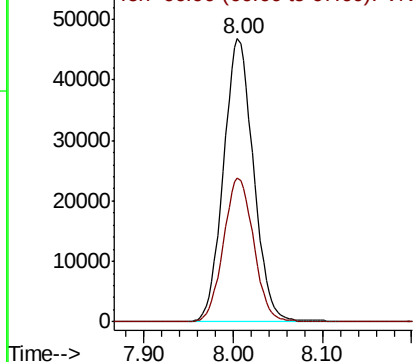


#33
1,2-Dichloroethane-d4
Concen: 48.149 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

Tgt Ion: 65 Resp: 109207
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.0



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

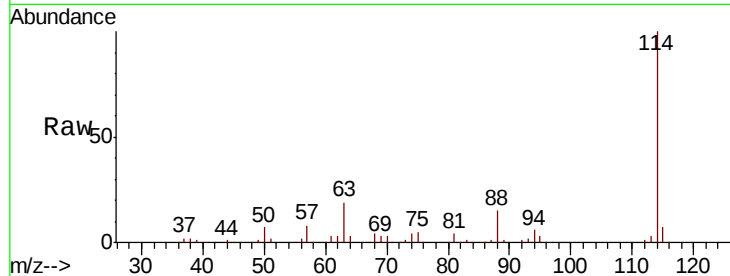




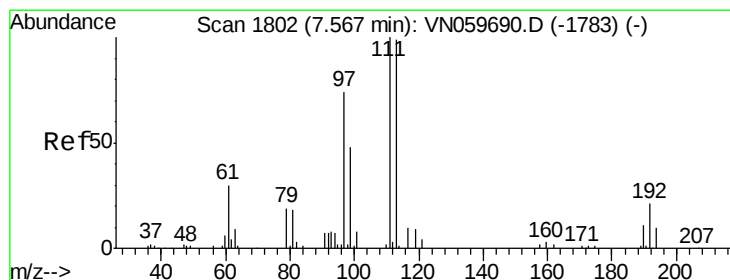
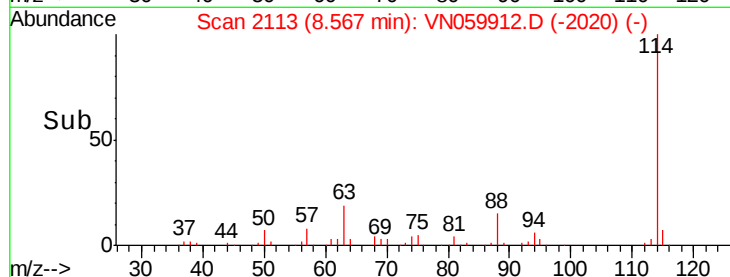
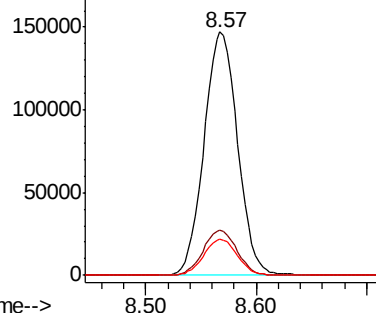
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059912.D
 Acq: 29 Jan 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 309889
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 43.6
 88 14.7 0.0 31.4

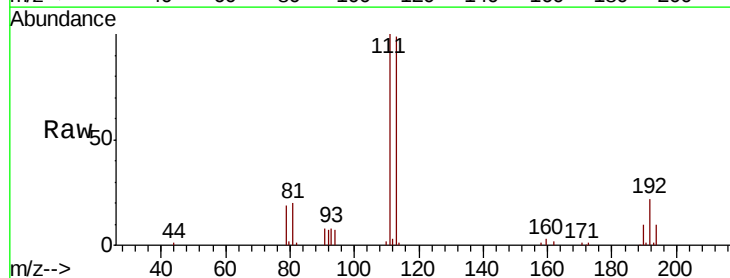


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

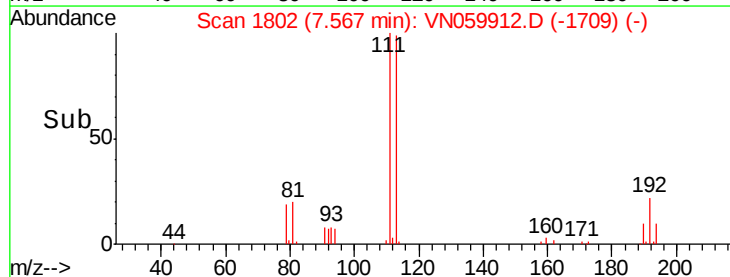
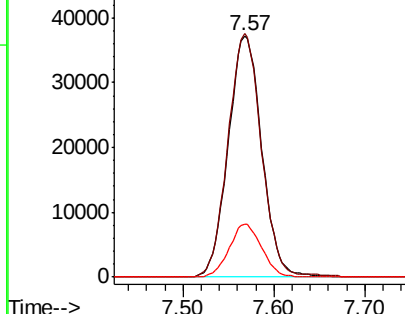


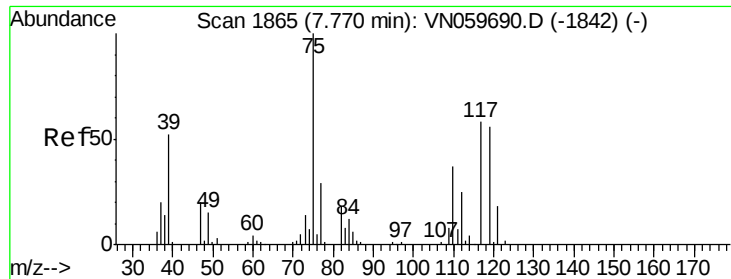
#35
 Dibromofluoromethane
 Concen: 51.629 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059912.D
 Acq: 29 Jan 2020 15:10

Tgt Ion:113 Resp: 95410
 Ion Ratio Lower Upper
 113 100
 111 100.4 83.5 125.3
 192 21.1 15.4 23.2



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

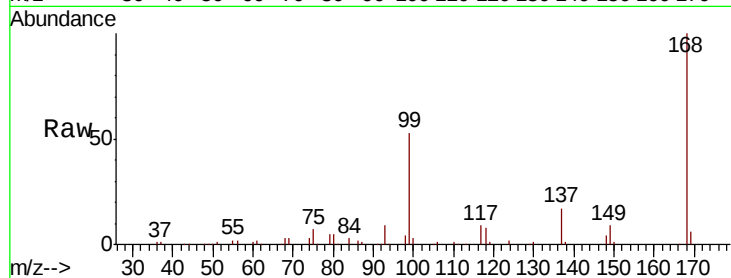




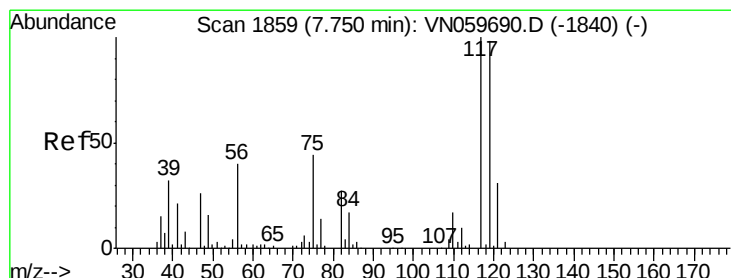
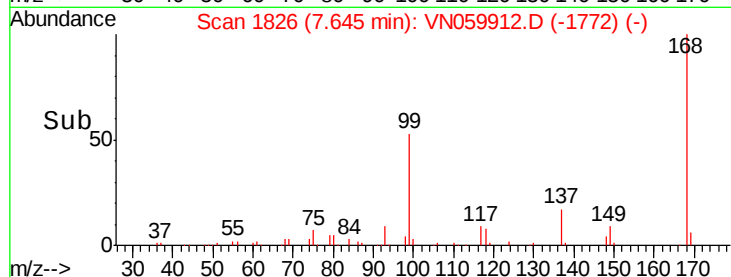
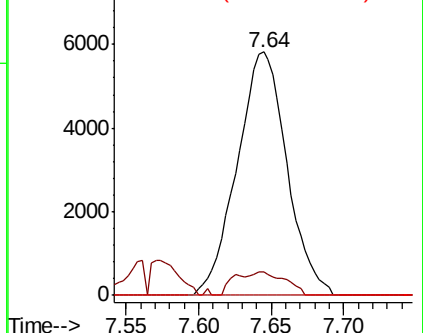
#36
 1,1-Dichloropropene
 Concen: 5.137 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059912.D
 Acq: 29 Jan 2020 15:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	2.9	16.6	49.7#
77	0.0	25.1	37.7#

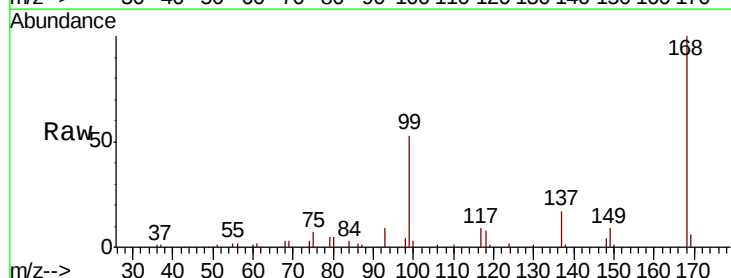


Abundance Ion 74.90 (74.60 to 75.60): VN059912.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN059912.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN059912.D (-1772) (-)

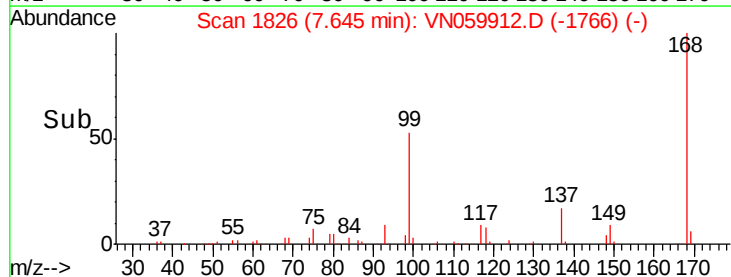
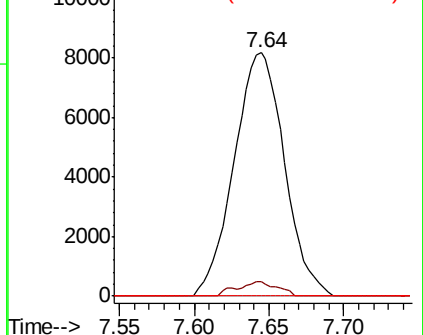


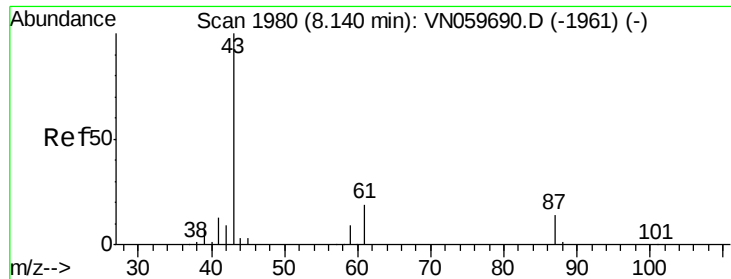
#38
 Carbon Tetrachloride
 Concen: 6.507 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059912.D
 Acq: 29 Jan 2020 15:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	76.5	114.7#
121	0.0	25.1	37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059912.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN059912.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN059912.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 9.169 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

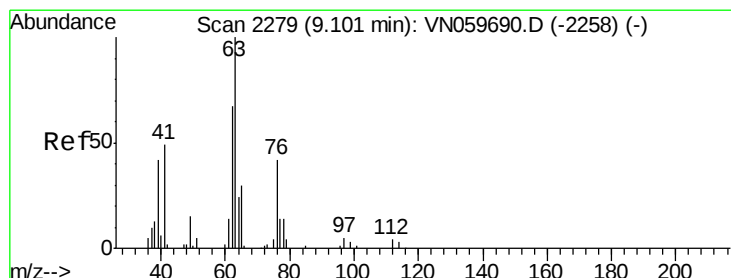
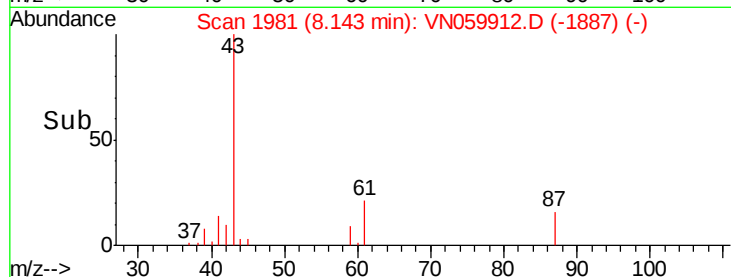
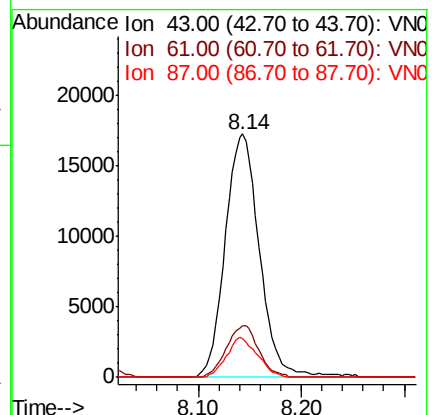
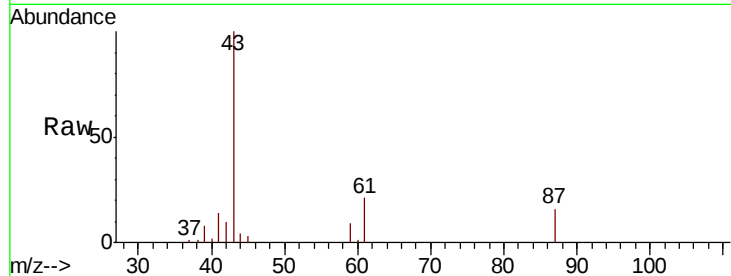
Tot Ion: 43 Resp: 39919

Ion Ratio Lower Upper

43 100

61 20.0 20.2 30.2#

87 14.7 9.5 14.3#



#45

1,2-Dichloropropane

Concen: 0.362 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN059912.D

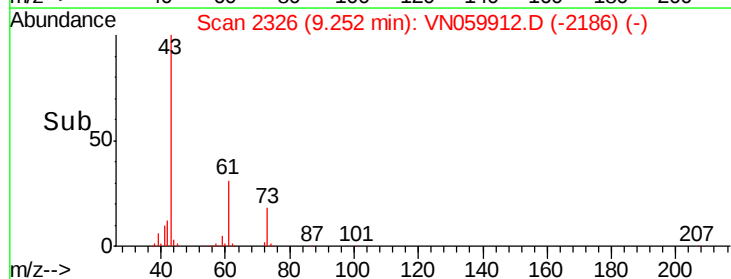
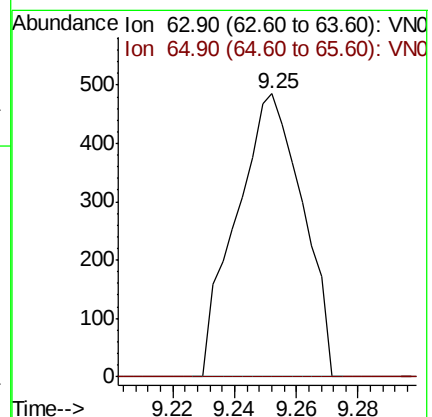
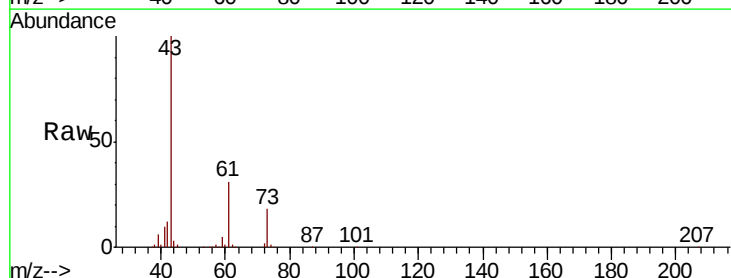
Acq: 29 Jan 2020 15:10

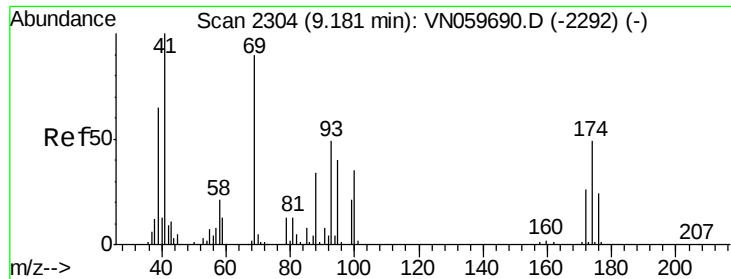
Tgt Ion: 63 Resp: 721

Ion Ratio Lower Upper

63 100

65 0.0 24.9 37.3#

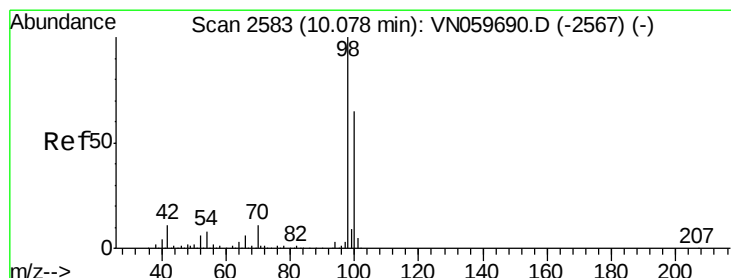
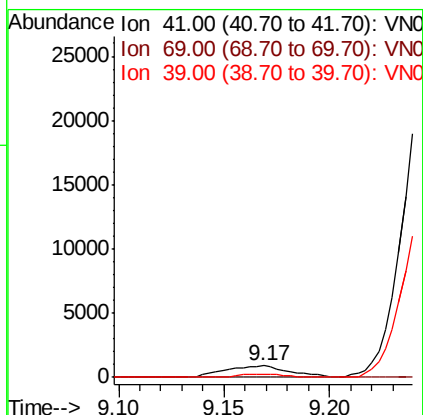
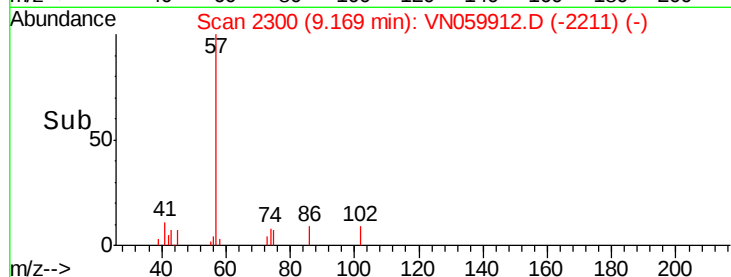
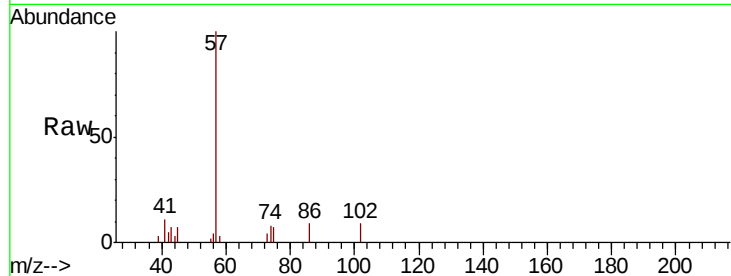




#48
Methvl methacrylate
Concen: 0.963 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.01 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

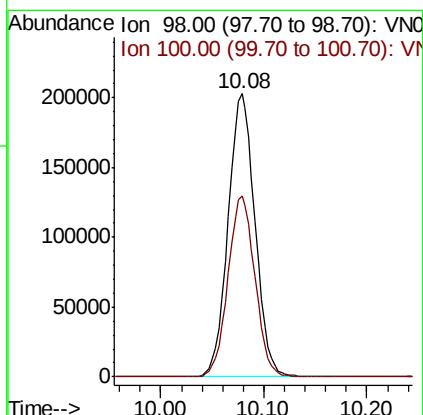
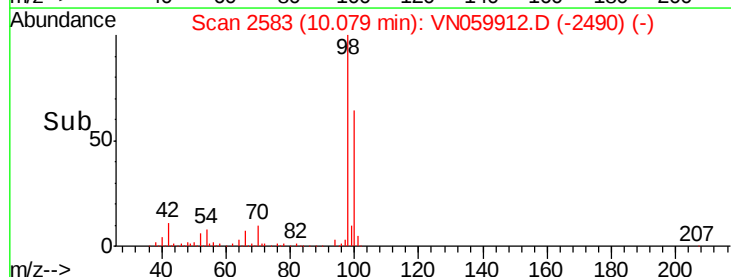
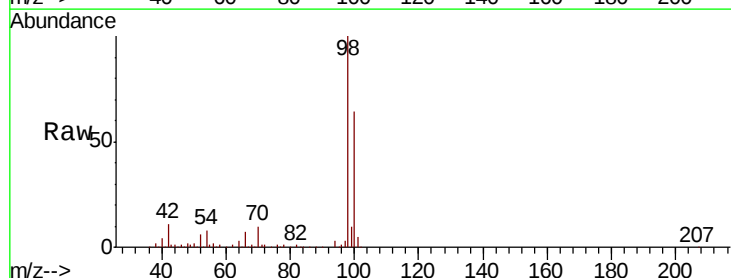
Instrument :
MSVOA_N
ClientSampleId :

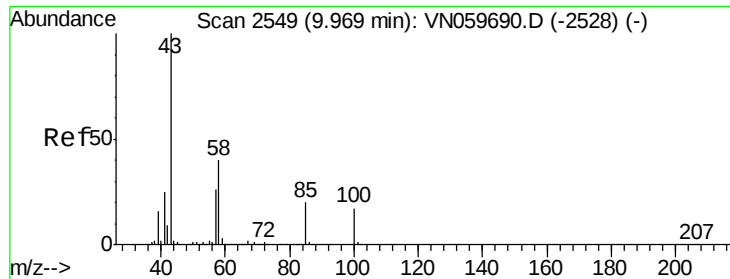
Tot Ion: 41 Resp: 1876
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.443 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

Tgt Ion: 98 Resp: 368337
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8

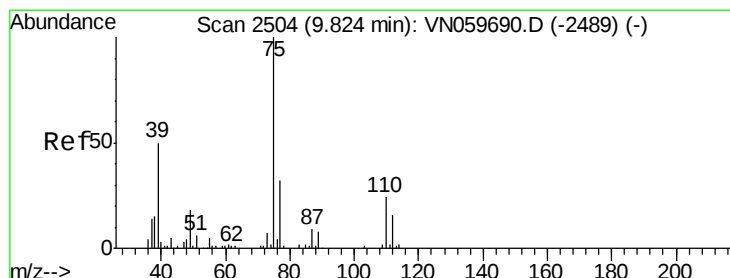
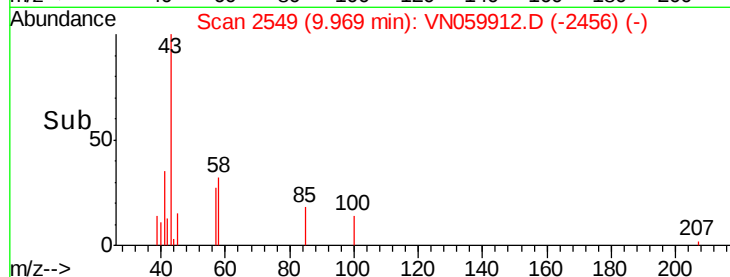
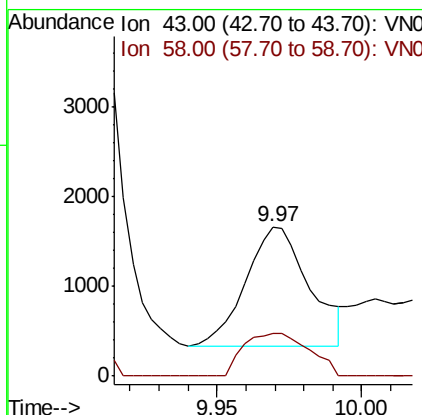
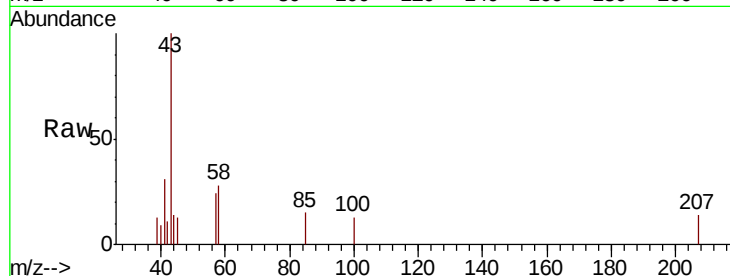




#51
4-Methyl-2-Pentanone
Concen: 0.805 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

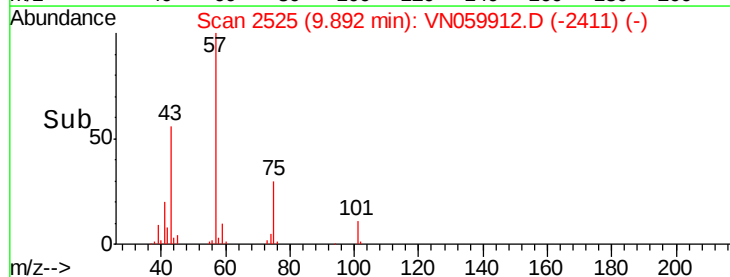
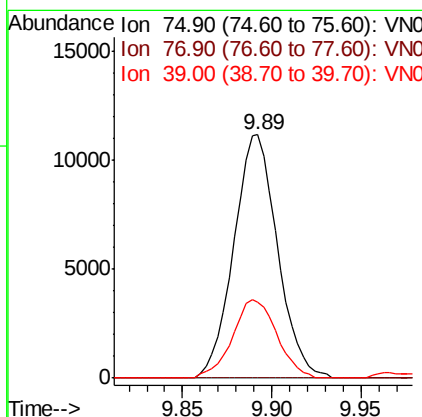
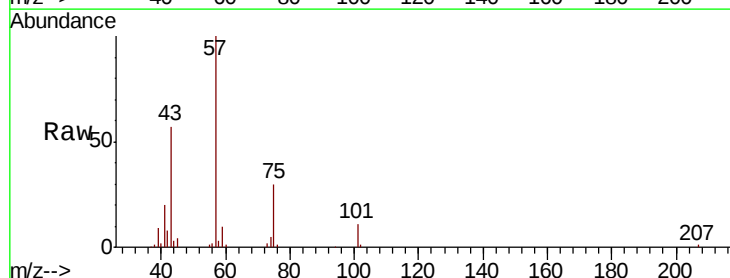
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 2025
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.8



#54
cis-1,3-Dichloropropene
Concen: 5.735 ug/l
RT: 9.89 min Scan# 2525
Delta R.T. 0.07 min
Lab File: VN059912.D
Acq: 29 Jan 2020 15:10

Tgt Ion: 75 Resp: 19076
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#
39 31.1 46.1 69.1#





#57

1,3-Dichloropropane

Concen: 0.999 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

Instrument :

MSVOA_N

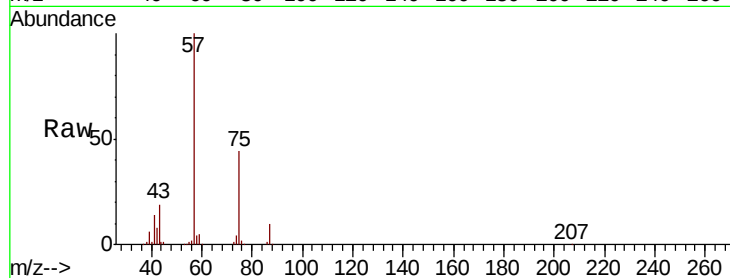
ClientSampled :

Tot Ion: 76 Resp: 3192

Ion Ratio Lower Upper

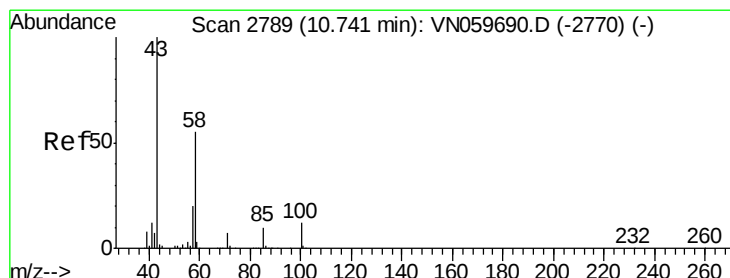
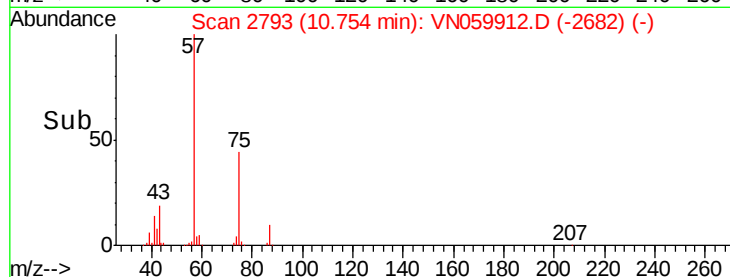
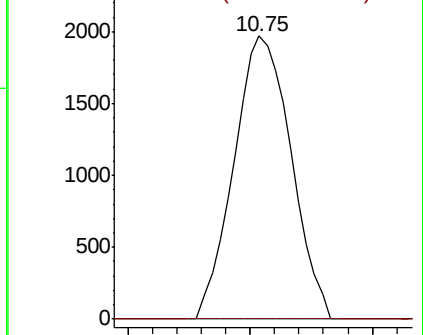
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 20.572 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059912.D

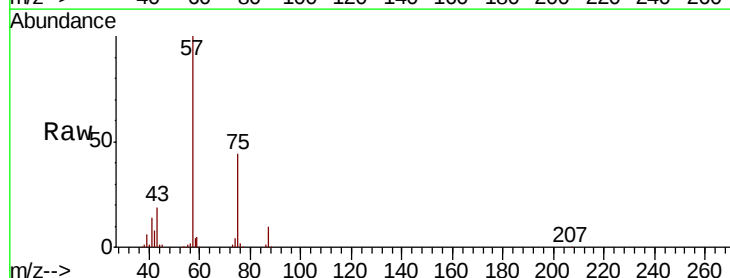
Acq: 29 Jan 2020 15:10

Tgt Ion: 43 Resp: 38142

Ion Ratio Lower Upper

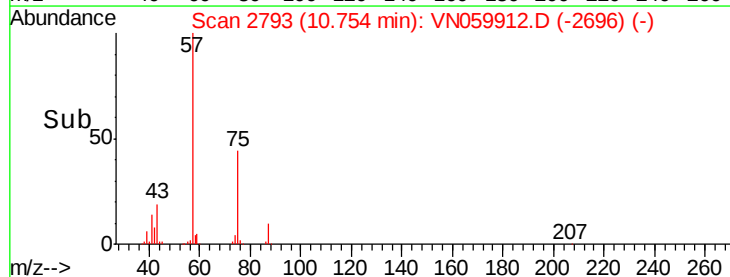
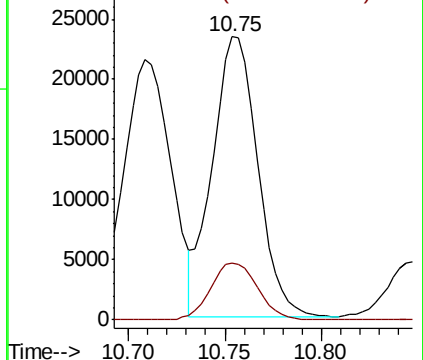
43 100

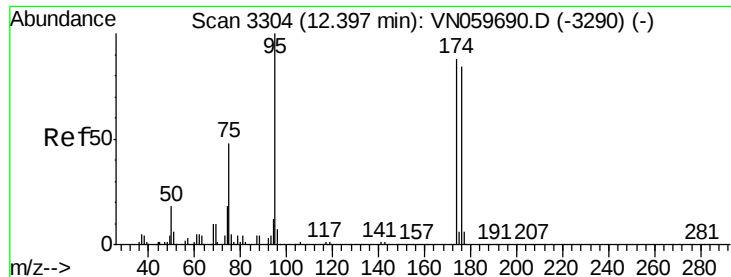
58 20.9 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.871 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

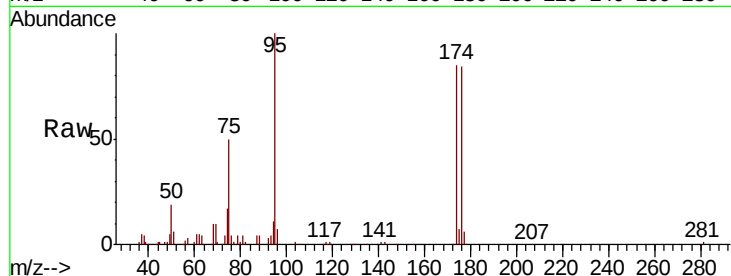
Tot Ion: 95 Resp: 120983

Ion Ratio Lower Upper

95 100

174 87.0 0.0 151.4

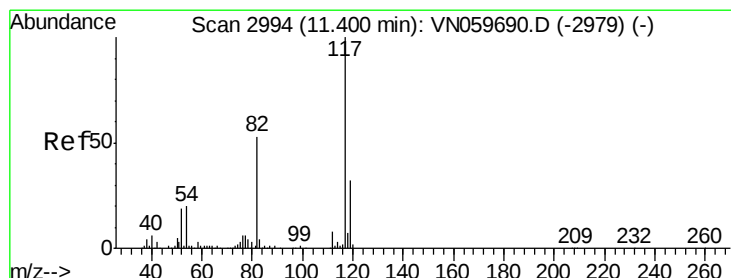
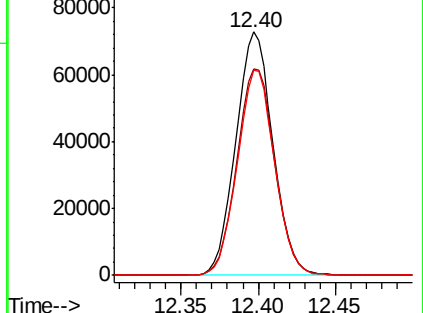
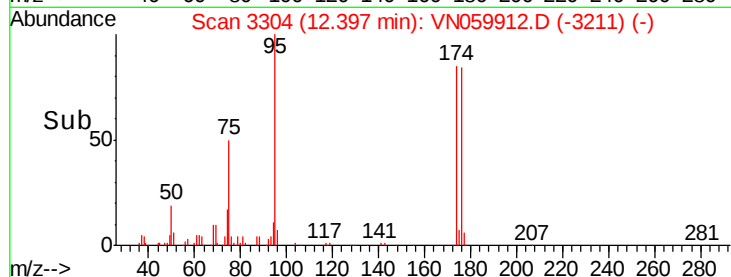
176 84.9 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059912.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059912.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059912.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

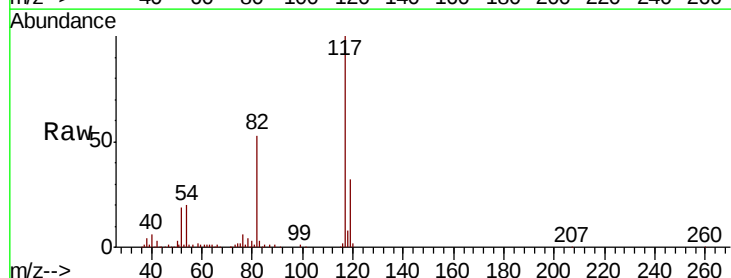
Tgt Ion: 117 Resp: 274539

Ion Ratio Lower Upper

117 100

82 52.7 45.9 68.9

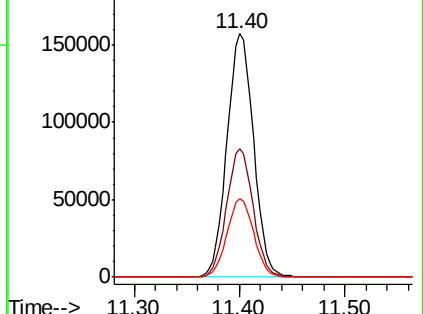
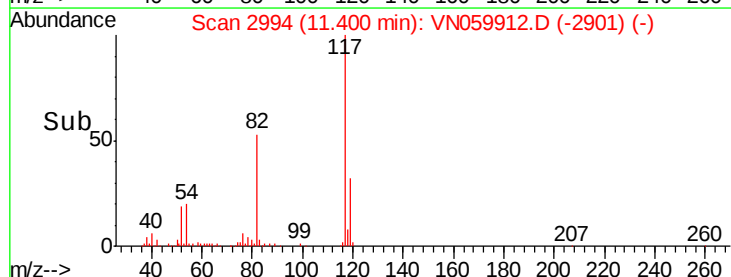
119 32.0 25.5 38.3

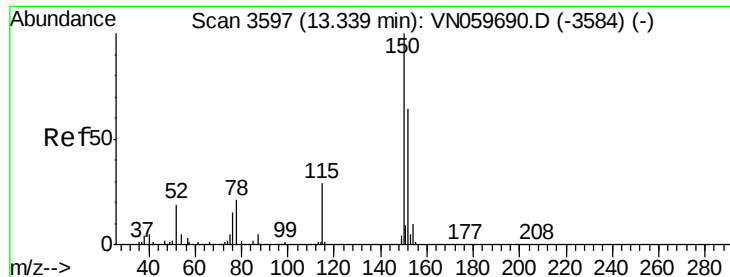


Abundance Ion 116.90 (116.60 to 117.60): VN059912.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059912.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059912.D (-2901) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

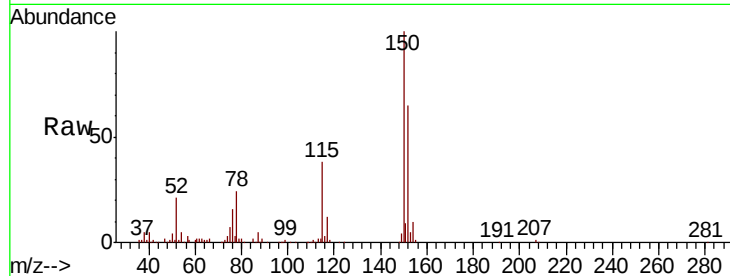
Tot Ion:152 Resp: 111812

Ion Ratio Lower Upper

152 100

115 58.1 30.3 90.9

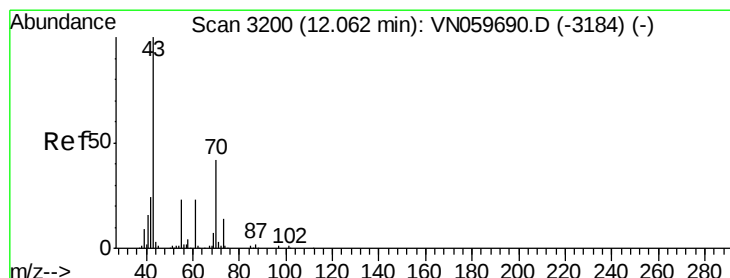
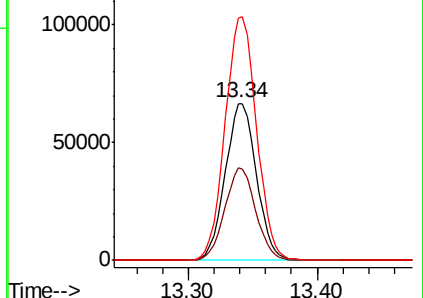
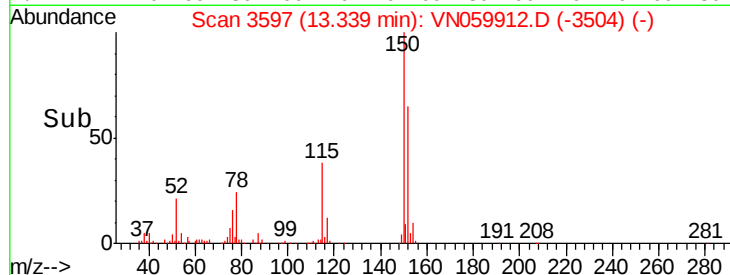
150 155.9 0.0 345.2



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



#74

N-ethyl acetate

Concen: 0.964 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

Tgt Ion: 43 Resp: 3067

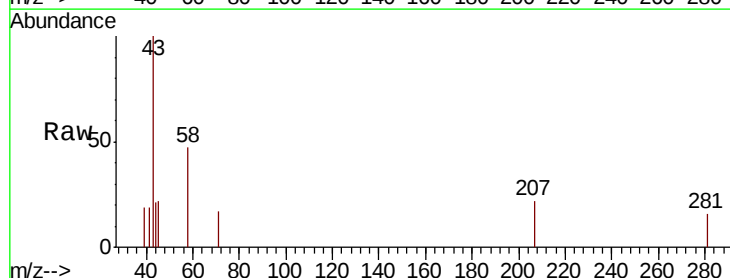
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.0 19.8 29.6#

61 0.0 18.3 27.5#

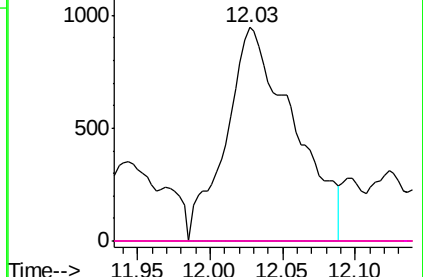
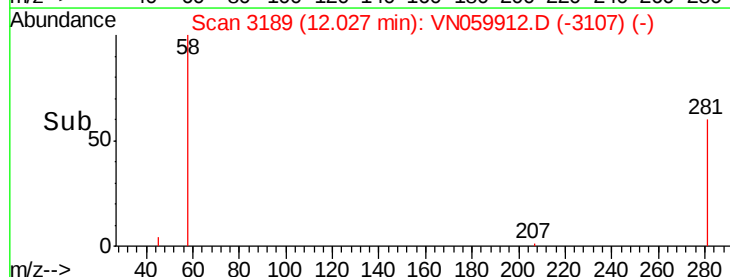


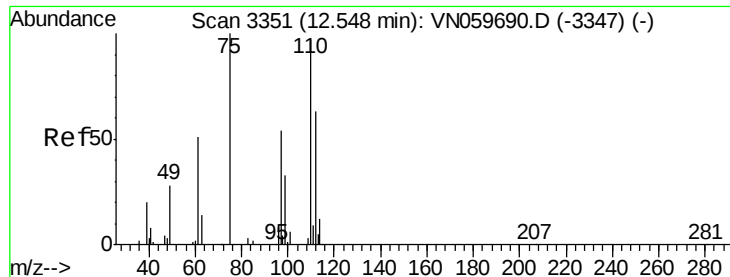
Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO





#76

1,2,3-Trichloropropane

Concen: 32.307 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

Instrument :

MSVOA_N

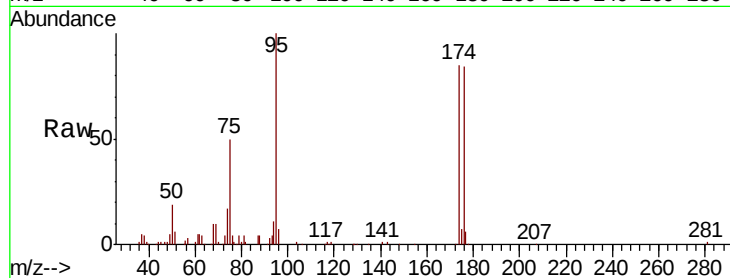
ClientSampleId :

Tot Ion: 75 Resp: 60792

Ion Ratio Lower Upper

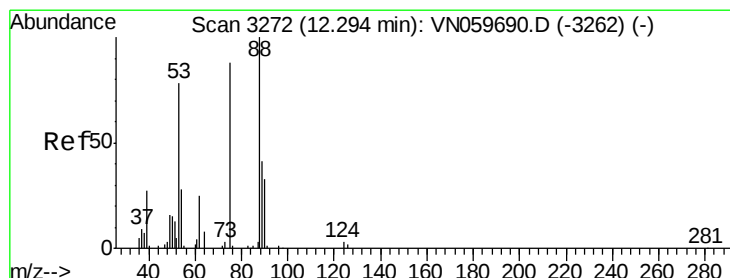
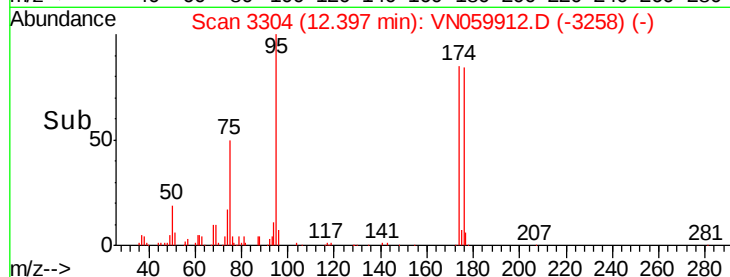
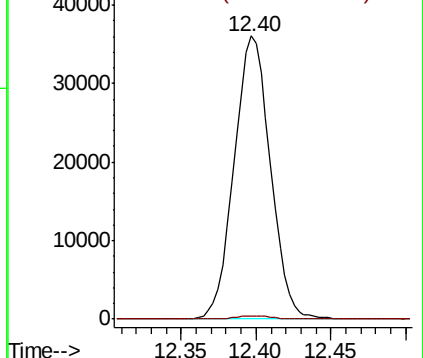
75 100

77 1.0 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: 69.380 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

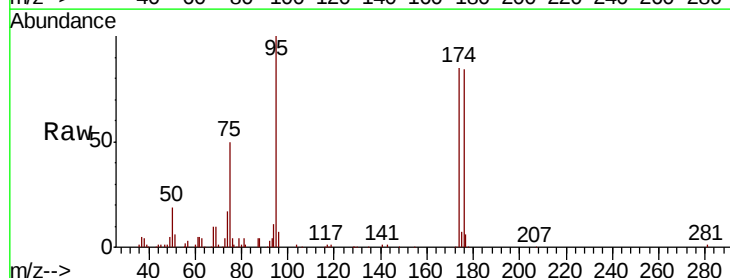
Tgt Ion: 75 Resp: 60792

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

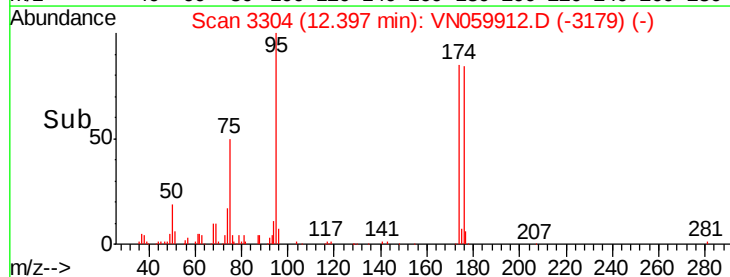
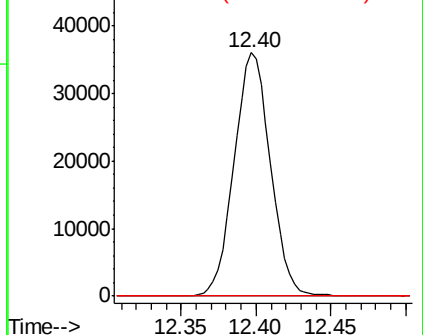
89 0.0 35.4 53.2#

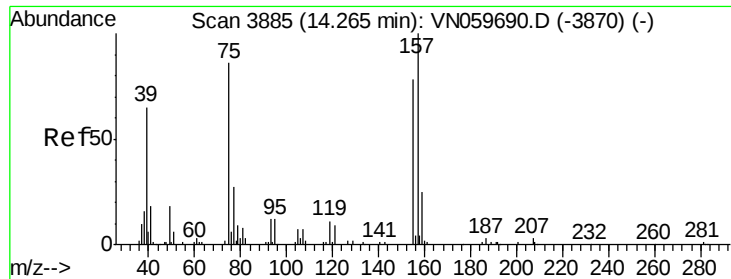


Abundance Ion 74.90 (74.60 to 75.60): VN0

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: Below Cal

RT: 14.31 min Scan# 3899

Delta R.T. 0.05 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

Instrument :

MSVOA_N

ClientSampleId :

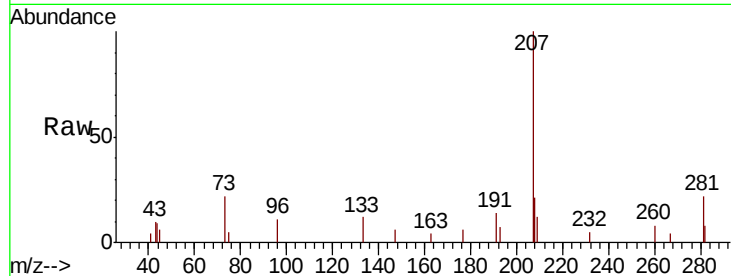
Tot Ion: 75 Resp: 172

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

157 0.0 48.4 145.2#

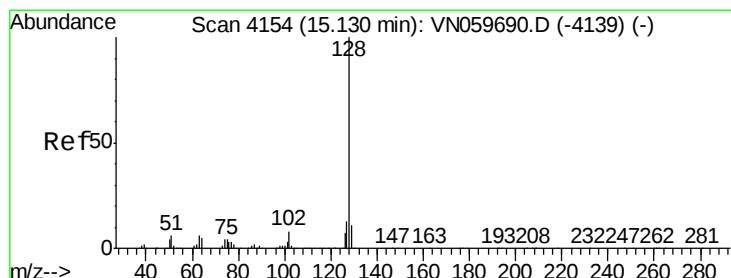
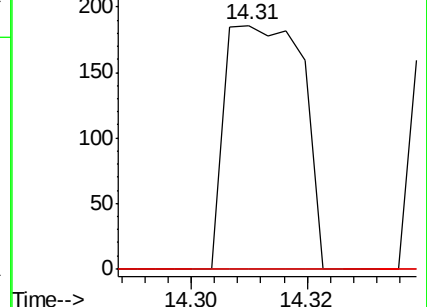
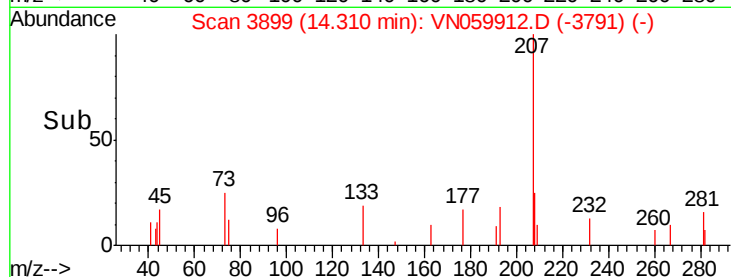


Abundance Ion 74.90 (74.60 to 75.60): VN059912.D (-3870) (-)

Ion 154.80 (154.50 to 155.50): VN059912.D (-3870) (-)

Ion 156.80 (156.50 to 157.50): VN059912.D (-3870) (-)

Time-->



#95

Naphthalene

Concen: 0.209 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059912.D

Acq: 29 Jan 2020 15:10

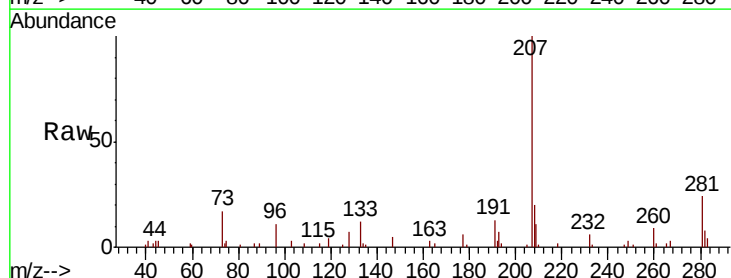
Tgt Ion: 128 Resp: 1275

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059912.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN059912.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN059912.D (-4061) (-)

Time-->

