

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059901.D
 Acq On : 29 Jan 2020 10:32
 Operator : JC/MD
 Sample : VN0129WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 23:59:21 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	209736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	316594	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	268301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	98882	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	109242	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	
35) Dibromofluoromethane	7.57	113	94185	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
50) Toluene-d8	10.08	98	368417	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	12.40	95	113448	43.02	ug/l	0.00
Spiked Amount			Recovery	=	86.04%	

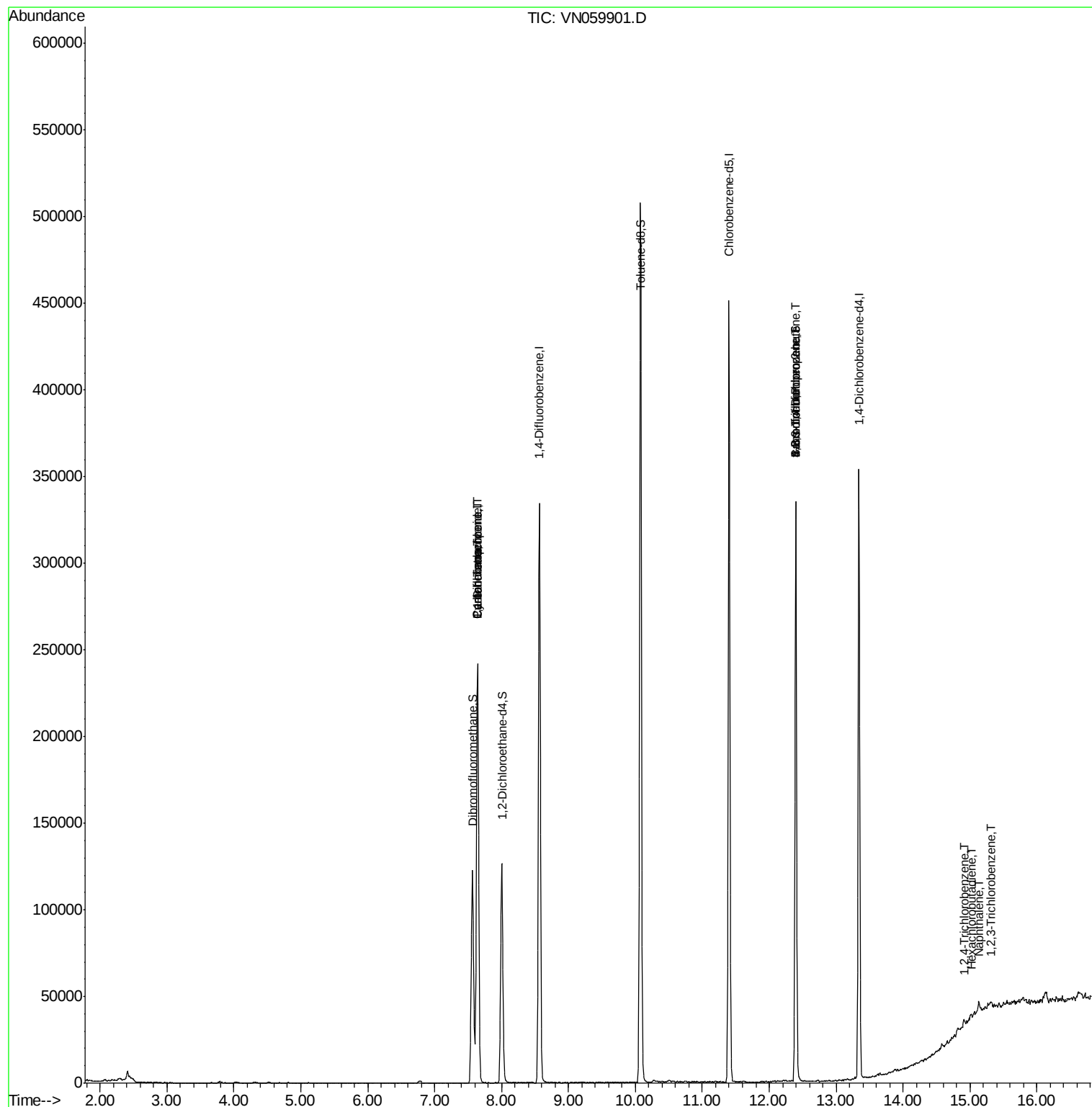
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1459	Below Cal		99
20) Methylene Chloride	4.53	84	305	Below Cal	#	46
31) Cyclohexane	7.64	56	3792	1.100	ug/l #	10
36) 1,1-Dichloropropene	7.64	75	14549	5.277	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19350	6.452	ug/l #	16
71) Bromoform	12.39	173	400	0.245	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	56003	33.654	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	56003	72.272	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.26	75	104	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.91	180	1161	0.613	ug/l	95
94) Hexachlorobutadiene	15.01	225	387	0.371	ug/l	66
95) Naphthalene	15.13	128	5609	1.041	ug/l	95
96) 1,2,3-Trichlorobenzene	15.31	180	2022	1.096	ug/l	84

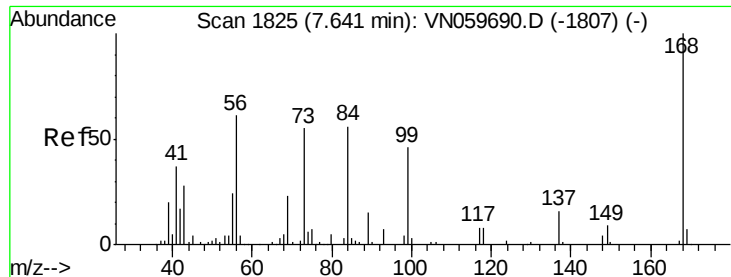
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012920\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
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# 1825

Delta R.T. 0.00 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

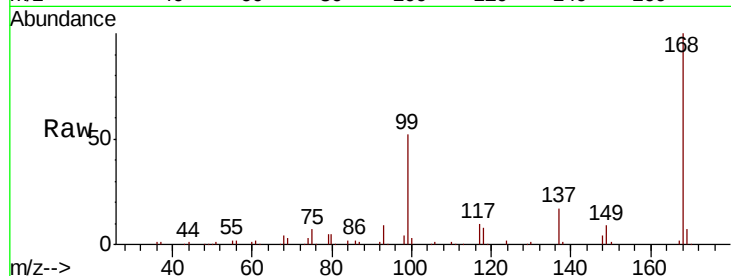
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 209736

Ion Ratio Lower Upper

168 100

99 51.9 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059901.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059901.D (-1732) (-)

7.64

80000

60000

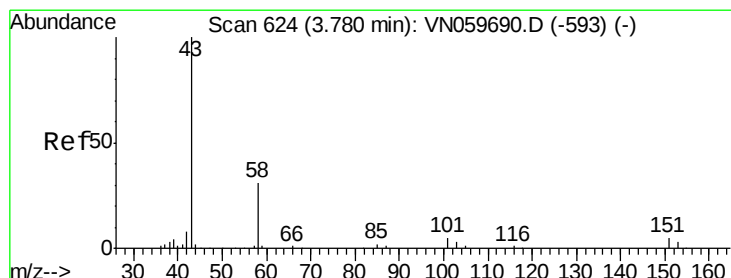
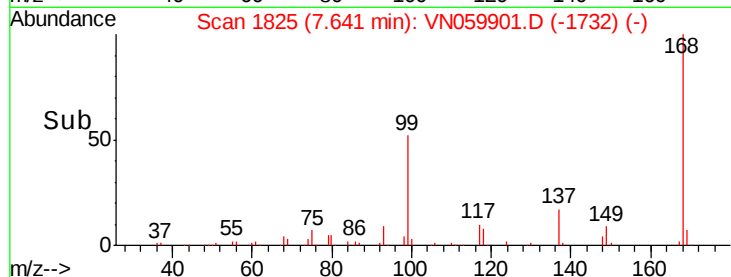
40000

20000

0

7.60 7.70

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN059901.D

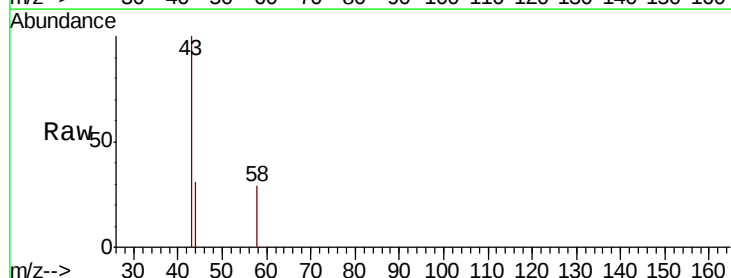
Acq: 29 Jan 2020 10:32

Tgt Ion: 43 Resp: 1459

Ion Ratio Lower Upper

43 100

58 28.7 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059901.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059901.D (-530) (-)

3.79

600

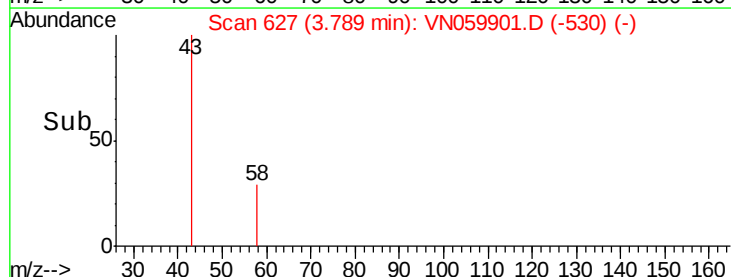
400

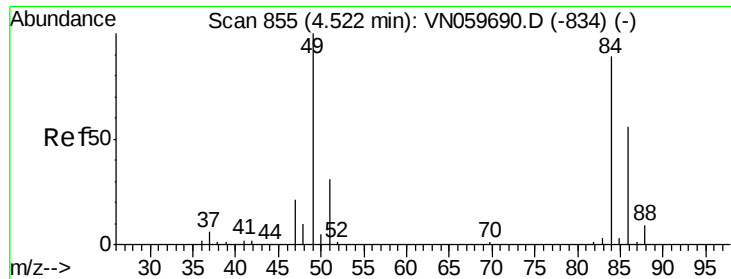
200

0

3.75 3.80 3.85

Time-->

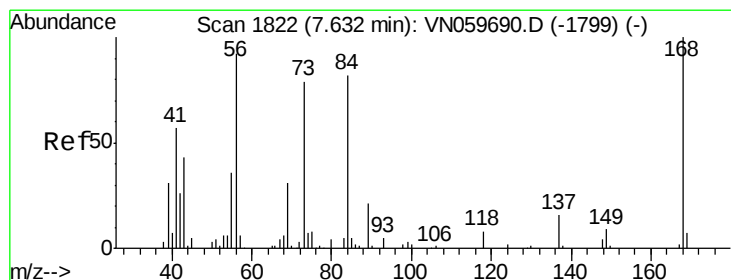
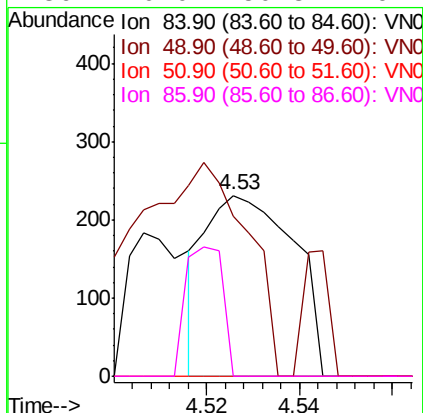
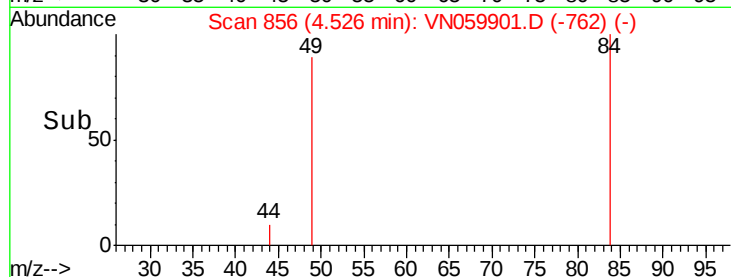
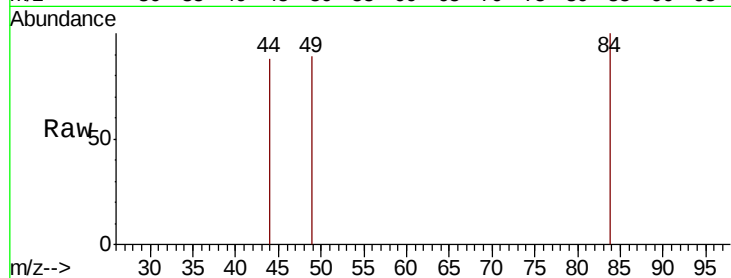




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN059901.D
Acq: 29 Jan 2020 10:32

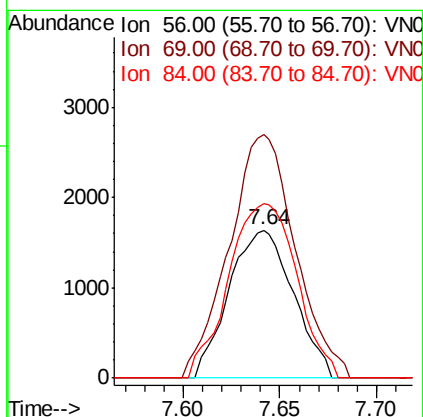
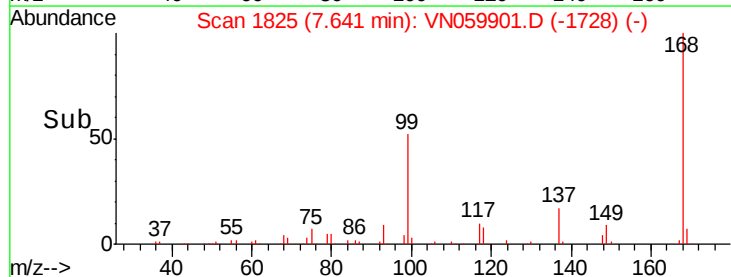
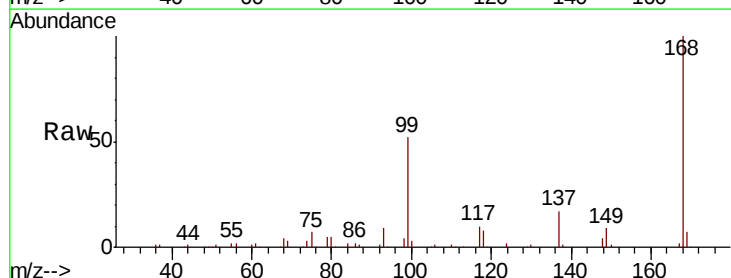
Instrument :
MSVOA_N
ClientSampled :

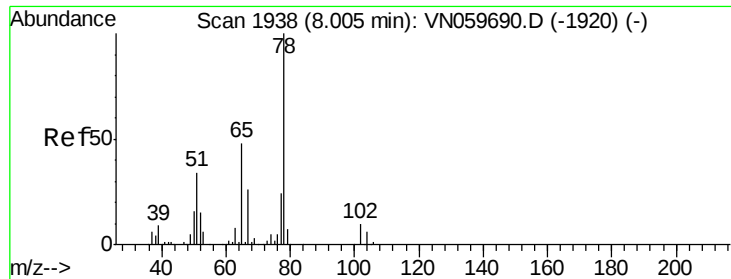
Tot Ion: 84 Resp: 305
Ion Ratio Lower Upper
84 100
49 88.7 106.6 160.0#
51 0.0 31.9 47.9#
86 0.0 50.8 76.2#



#31
Cyclohexane
Concen: 1.100 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059901.D
Acq: 29 Jan 2020 10:32

Tgt Ion: 56 Resp: 3792
Ion Ratio Lower Upper
56 100
69 153.0 26.5 39.7#
84 118.0 65.3 97.9#

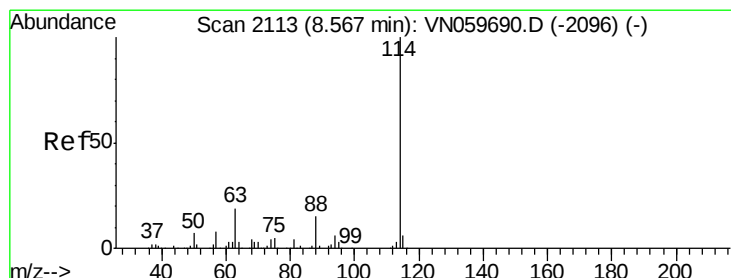
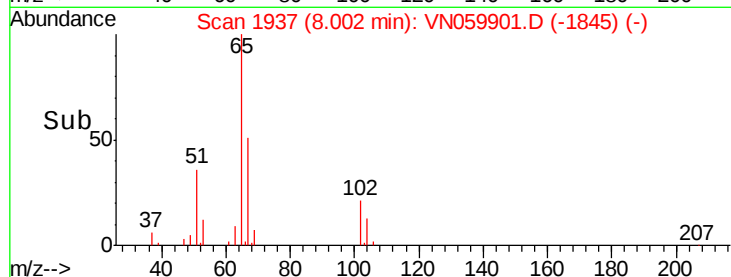
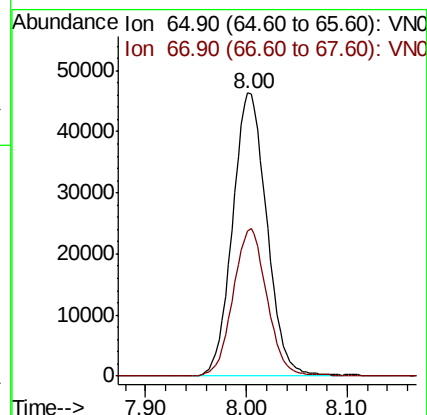
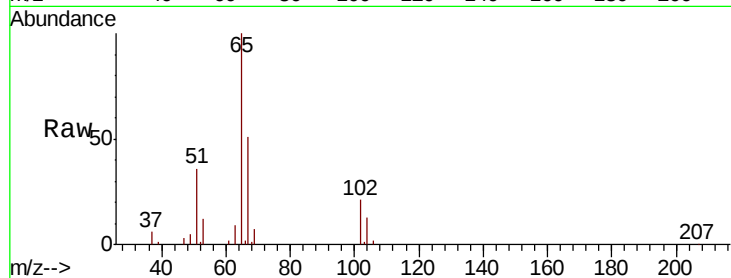




#33
 1,2-Dichloroethane-d4
 Concen: 46.902 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

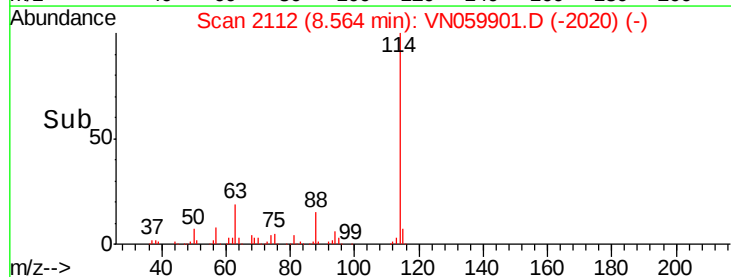
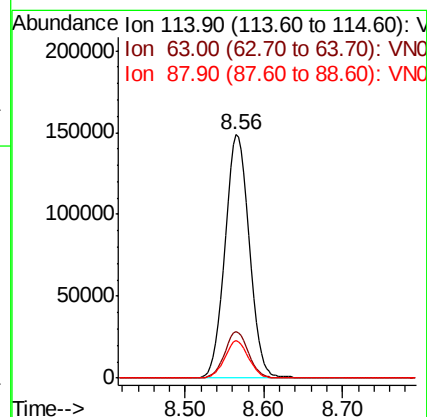
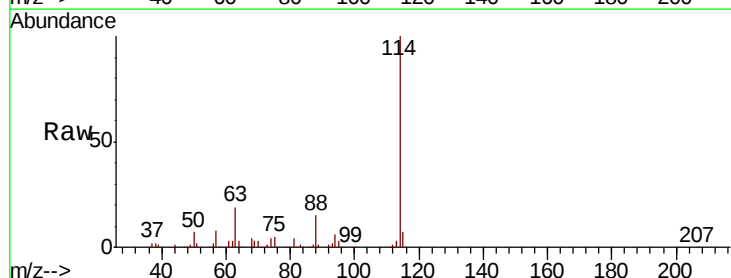
Instrument :
 MSVOA_N
 ClientSampled :

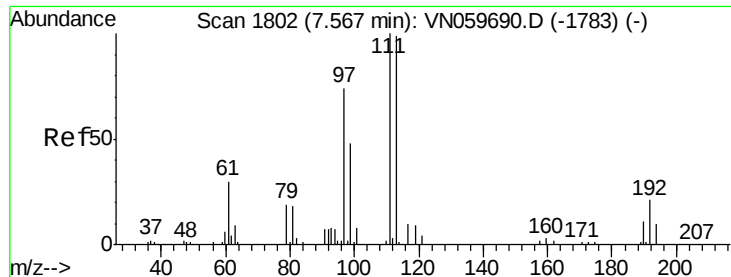
Tot Ion: 65 Resp: 109242
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 114 Resp: 316594
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 43.6
 88 15.3 0.0 31.4

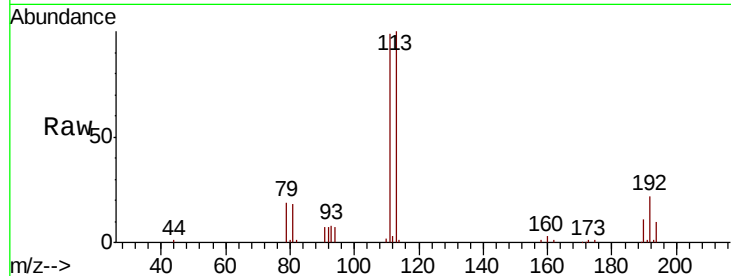




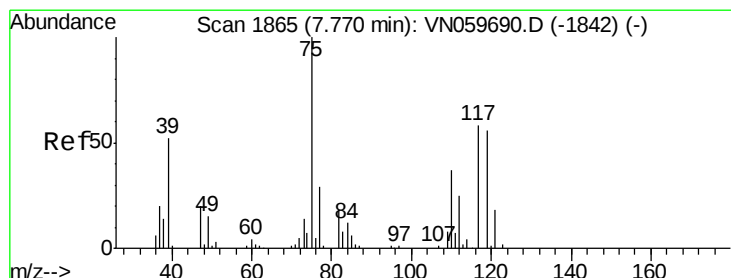
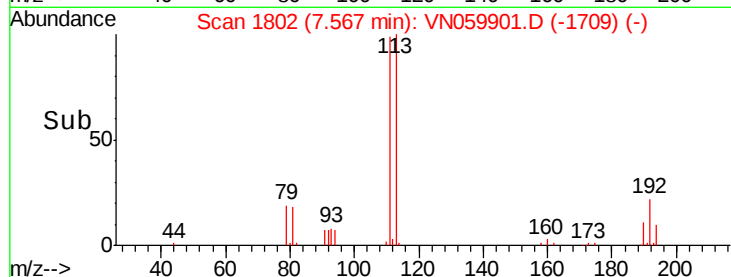
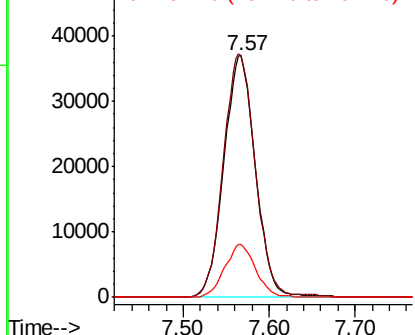
#35
 Dibromofluoromethane
 Concen: 49.886 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 94185
 Ion Ratio Lower Upper
 113 100
 111 101.5 83.5 125.3
 192 21.5 15.4 23.2

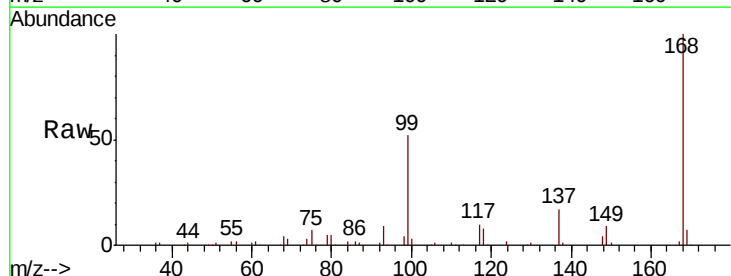


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

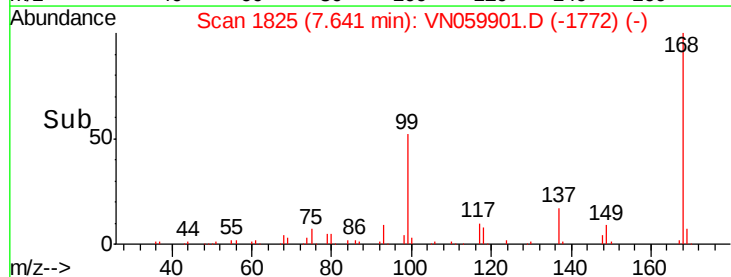
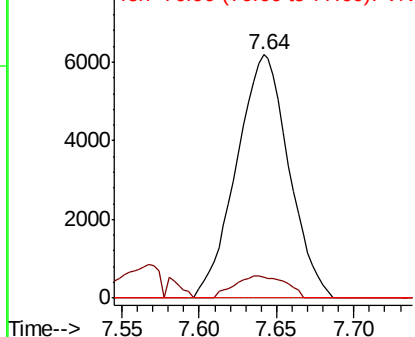


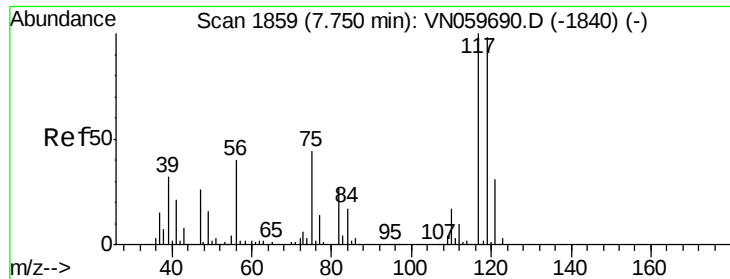
#36
 1,1-Dichloropropene
 Concen: 5.277 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 75 Resp: 14549
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.6 49.7#
 77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

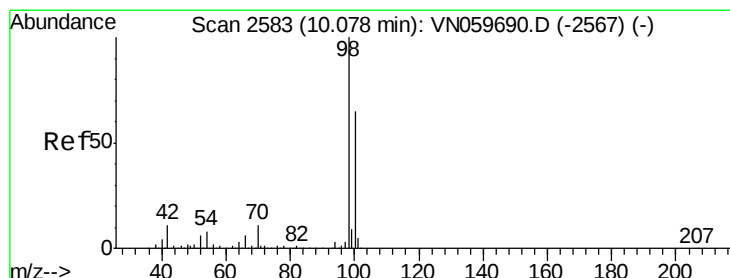
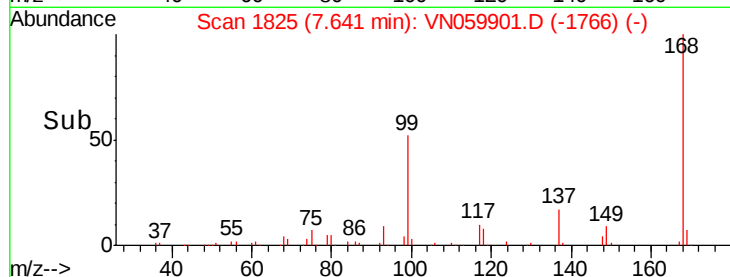
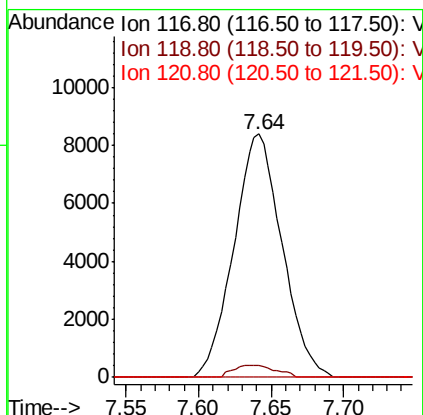
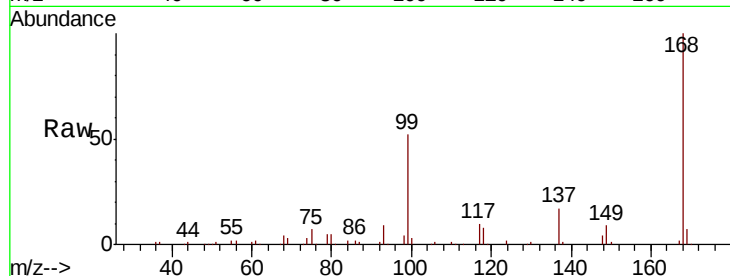




#38
 Carbon Tetrachloride
 Concen: 6.452 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

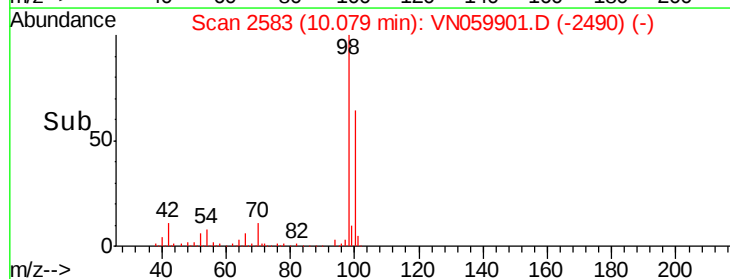
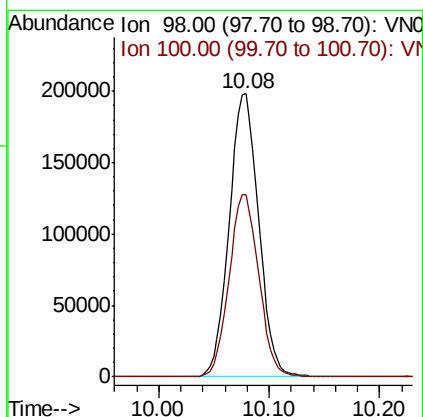
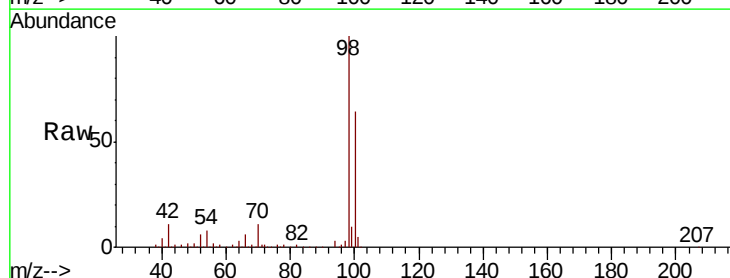
Instrument :
 MSVOA_N
 ClientSampled :

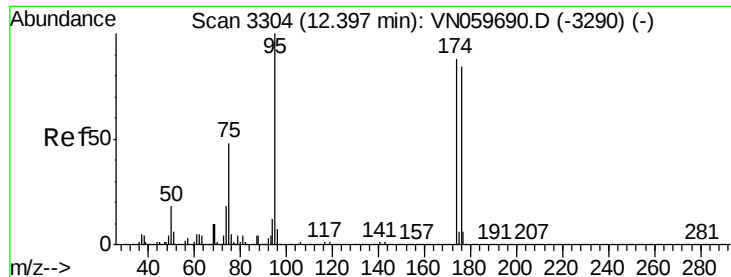
Tot Ion:117 Resp: 19350
 Ion Ratio Lower Upper
 117 100
 119 4.7 76.5 114.7#
 121 0.0 25.1 37.7#



#50
 Toluene-d8
 Concen: 50.364 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 98 Resp: 368417
 Ion Ratio Lower Upper
 98 100
 100 64.7 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 43.021 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_N

ClientSampled :

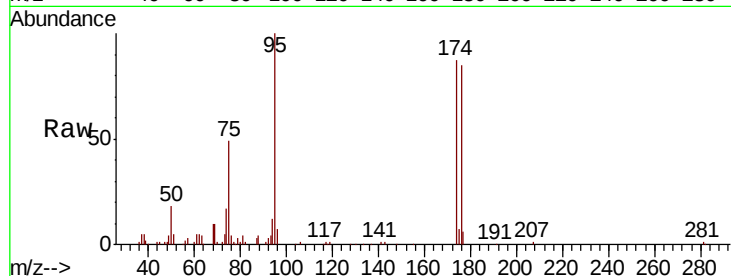
Tot Ion: 95 Resp: 113448

Ion Ratio Lower Upper

95 100

174 88.0 0.0 151.4

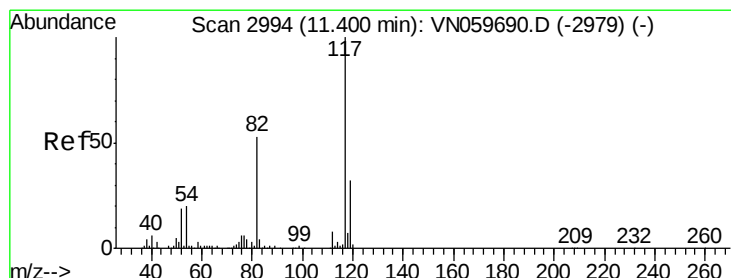
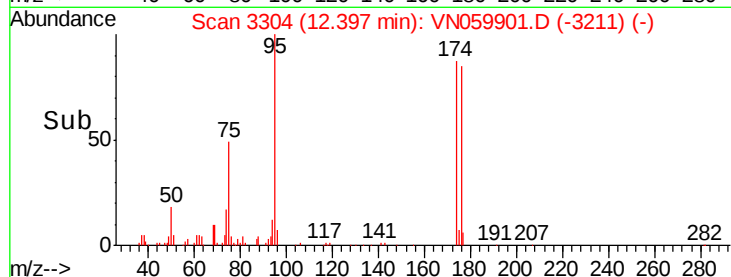
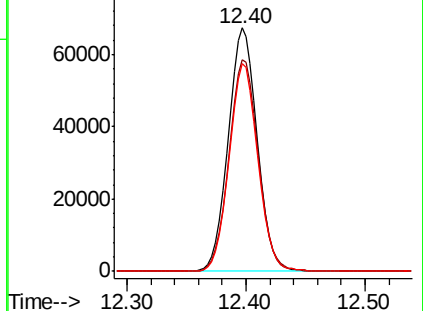
176 84.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059901.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN059901.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN059901.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

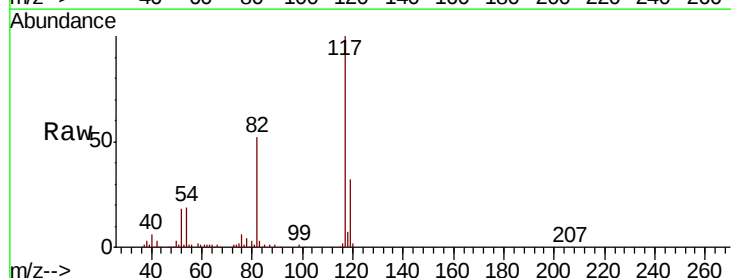
Tgt Ion: 117 Resp: 268301

Ion Ratio Lower Upper

117 100

82 51.7 45.9 68.9

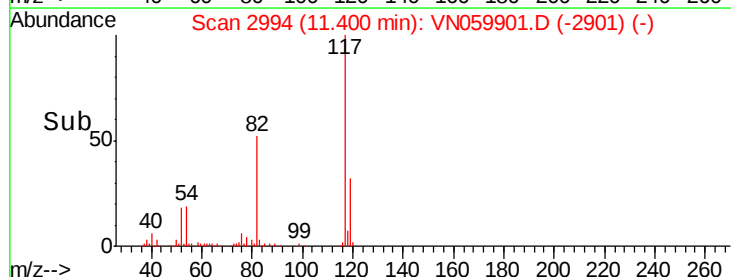
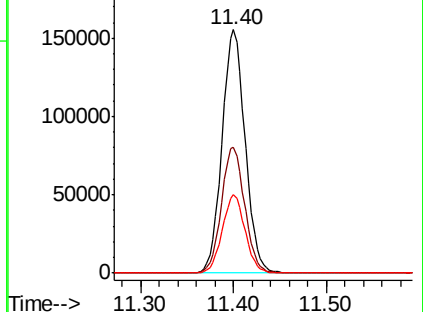
119 32.0 25.5 38.3

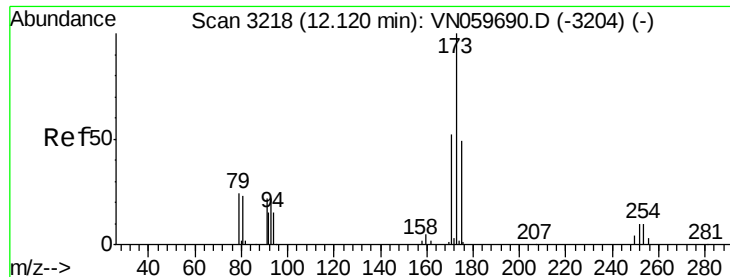


Abundance Ion 116.90 (116.60 to 117.60): VN059901.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN059901.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN059901.D (-2901) (-)





#71

Bromoform

Concen: 0.245 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_N

ClientSampleId :

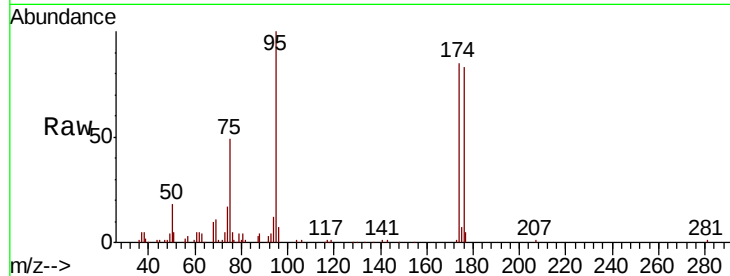
Tot Ion:173 Resp: 400

Ion Ratio Lower Upper

173 100

175 1550.0 23.8 71.4#

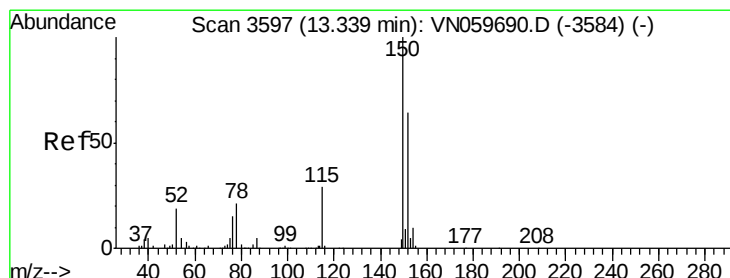
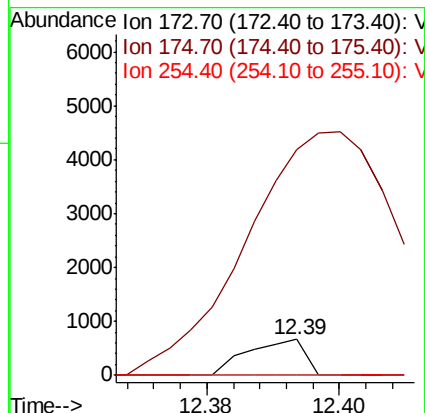
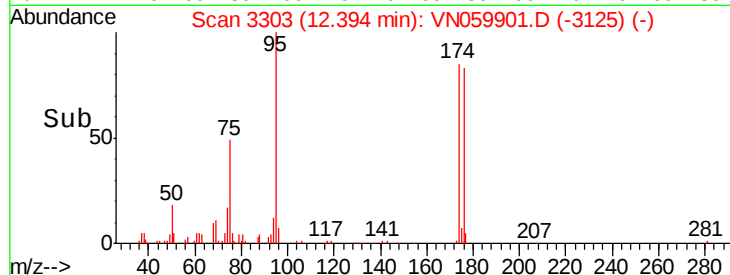
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

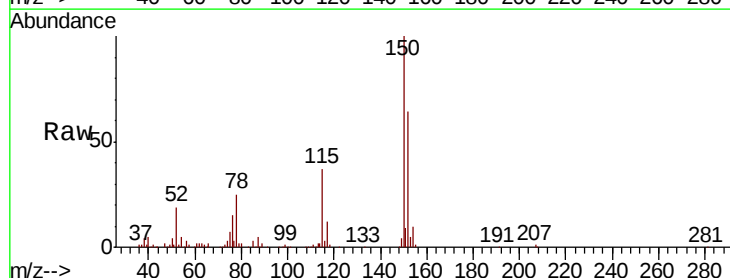
Tgt Ion:152 Resp: 98882

Ion Ratio Lower Upper

152 100

115 58.5 30.3 90.9

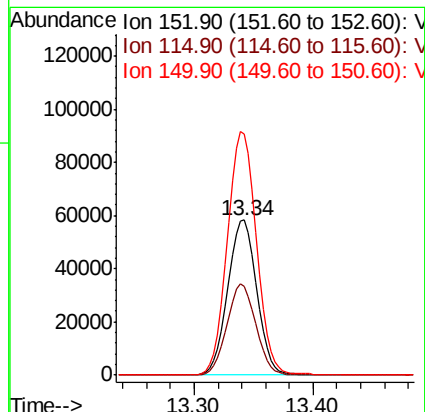
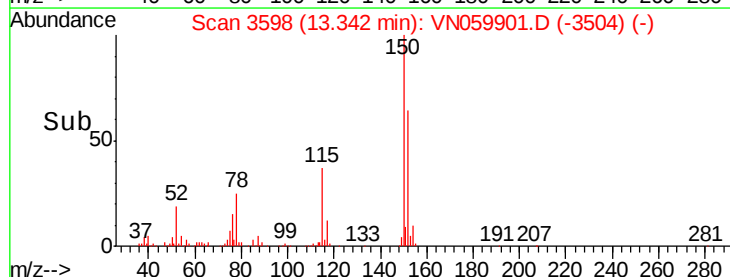
150 157.3 0.0 345.2

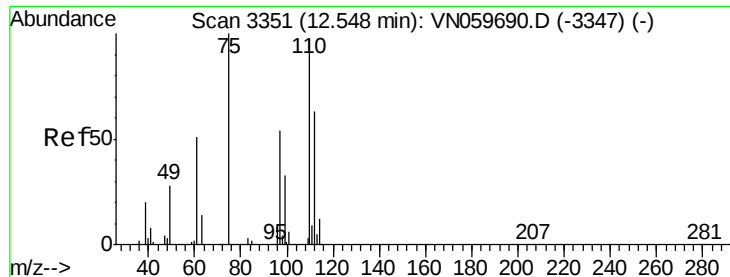


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 33.654 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_N

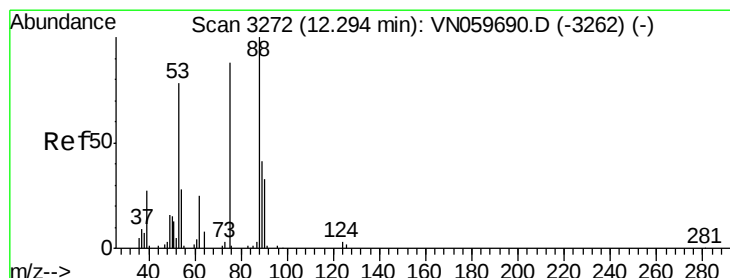
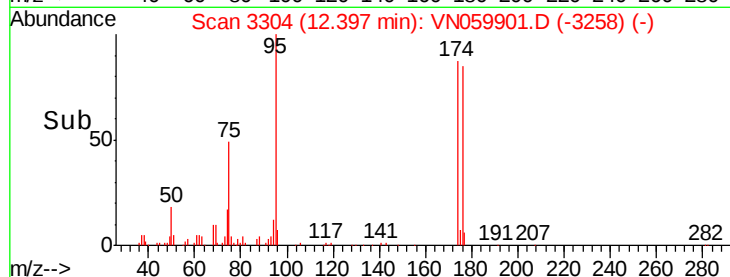
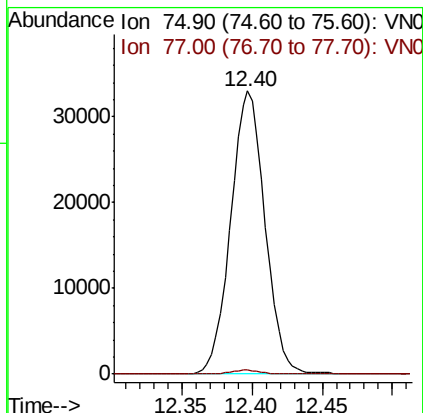
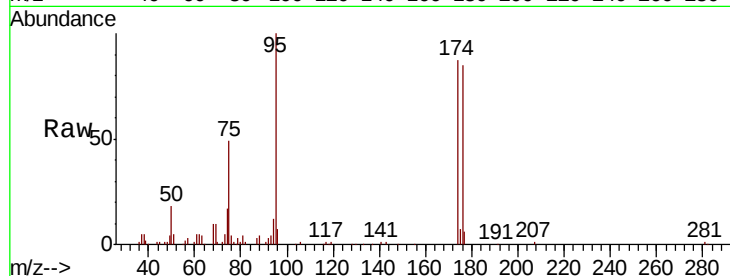
ClientSampleId :

Tot Ion: 75 Resp: 56003

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.272 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

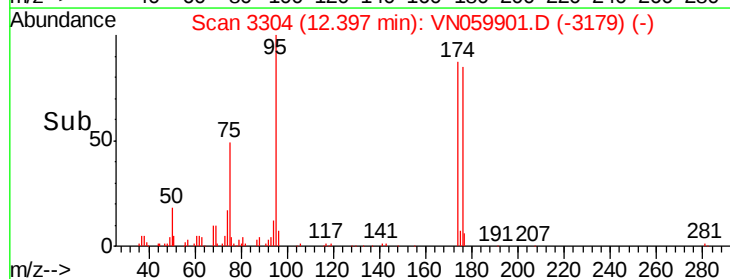
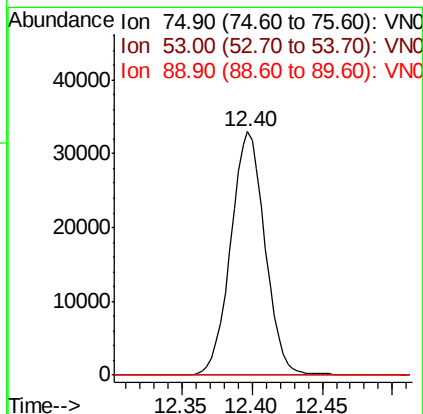
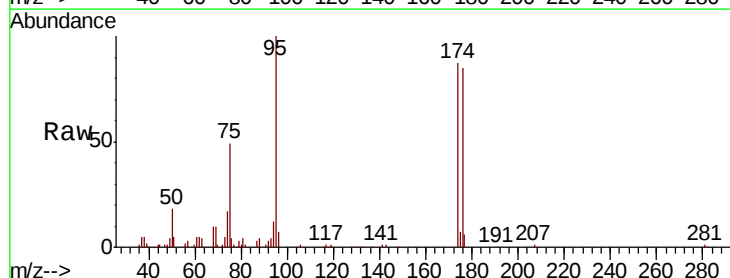
Tgt Ion: 75 Resp: 56003

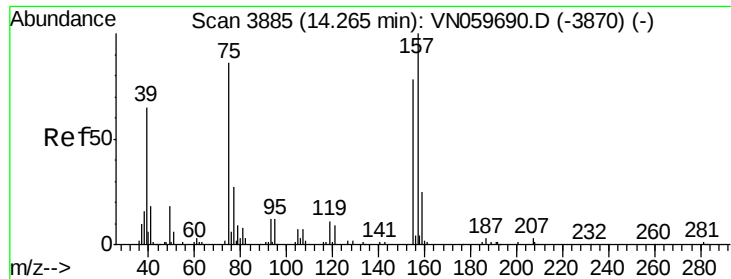
Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

89 0.0 35.4 53.2#

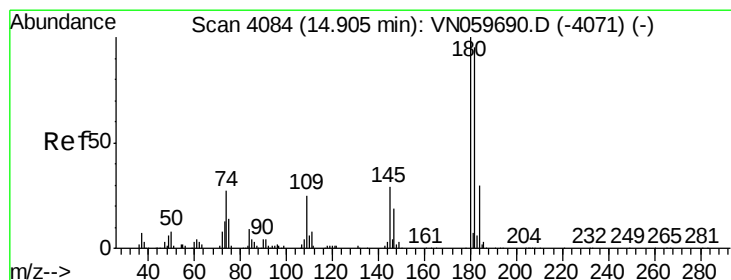
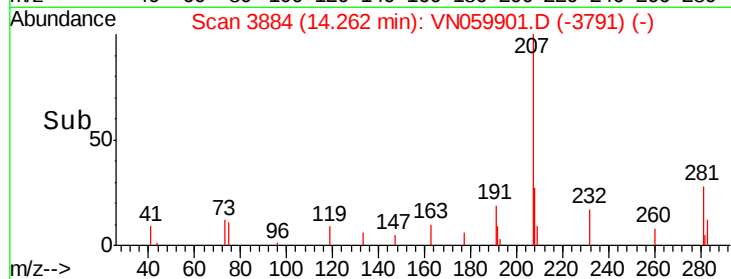
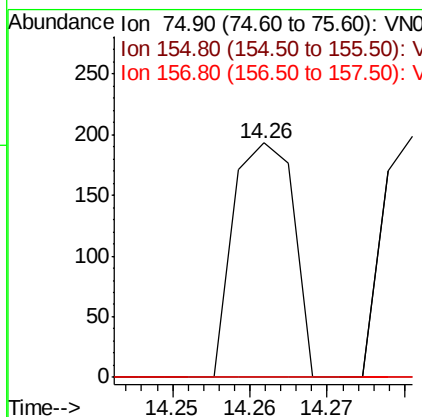
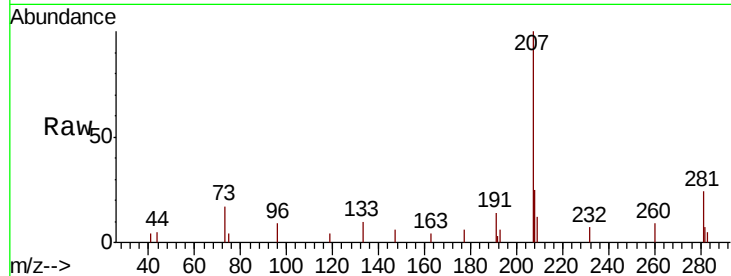




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

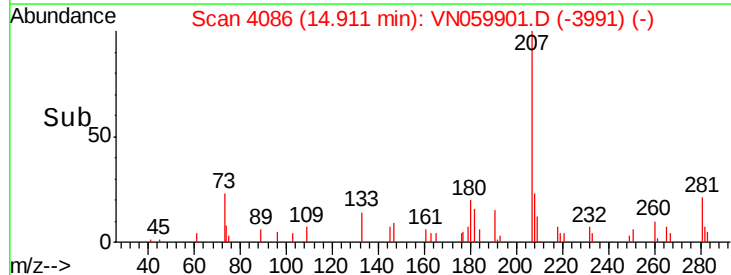
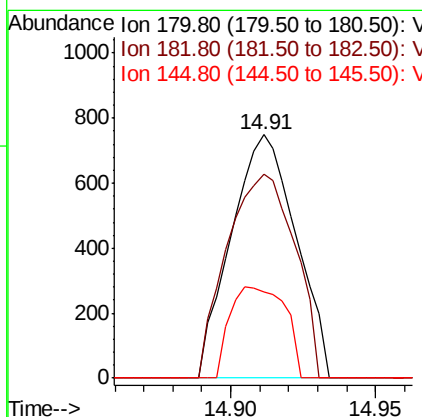
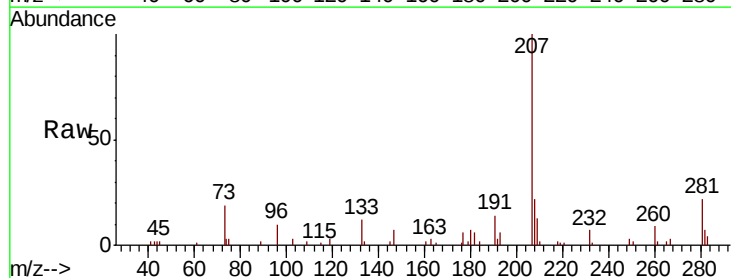
Instrument :
 MSVOA_N
 ClientSampled :

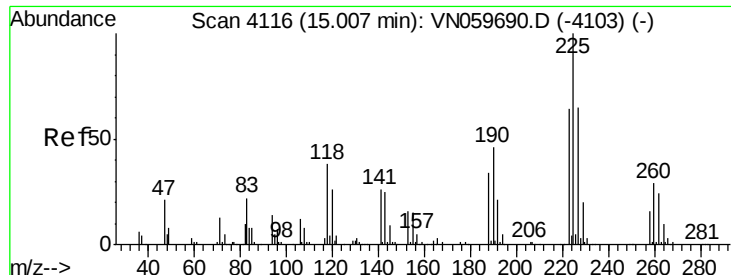
Tot Ion: 75 Resp: 104
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.613 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

Tgt Ion: 180 Resp: 1161
 Ion Ratio Lower Upper
 180 100
 182 88.0 46.9 140.7
 145 31.8 15.0 45.1





#94

Hexachlorobutadiene

Concen: 0.371 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

Instrument :

MSVOA_N

ClientSampled :

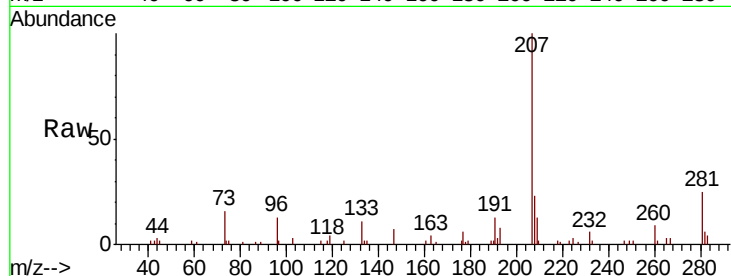
Tot Ion:225 Resp: 387

Ion Ratio Lower Upper

225 100

223 36.7 31.8 95.3

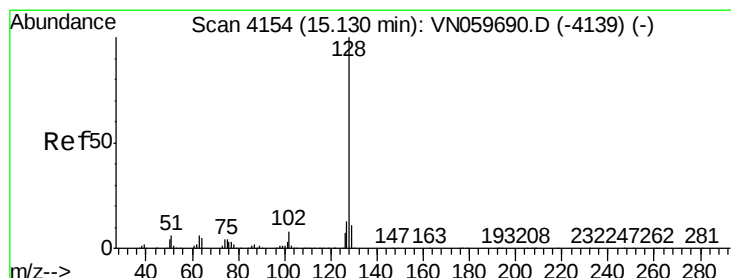
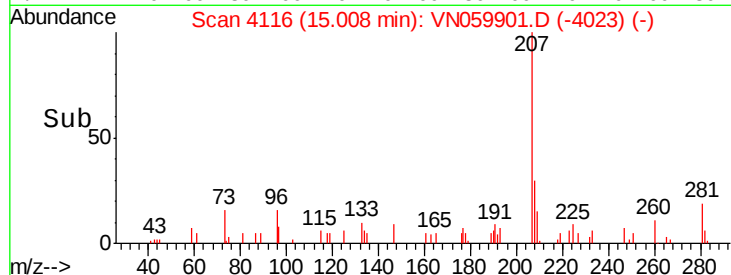
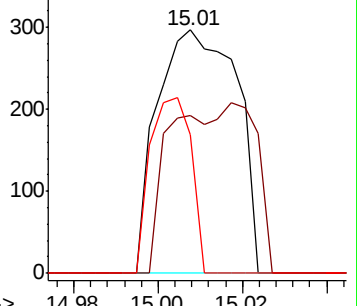
227 37.5 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.041 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059901.D

Acq: 29 Jan 2020 10:32

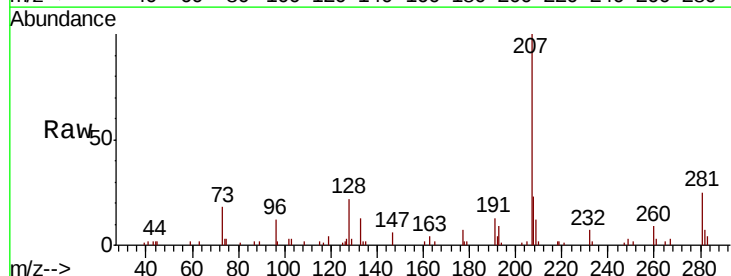
Tgt Ion:128 Resp: 5609

Ion Ratio Lower Upper

128 100

127 10.9 10.4 15.6

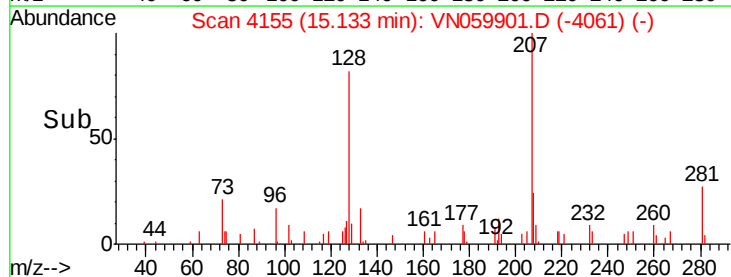
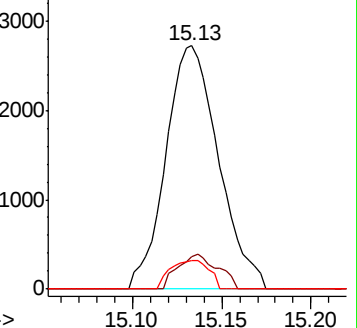
129 8.8 8.6 12.8

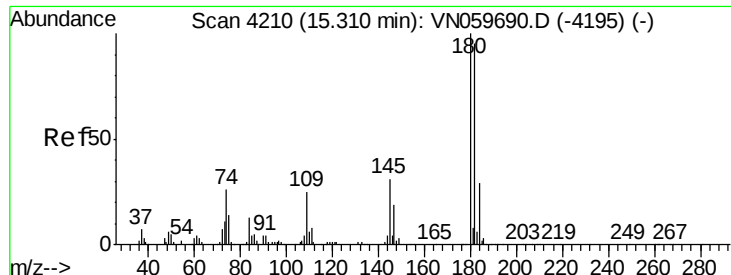


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

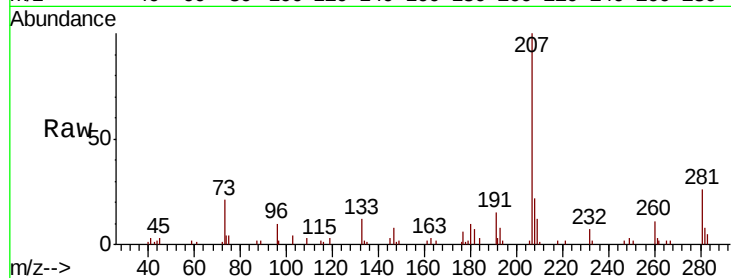




#96
 1,2,3-Trichlorobenzene
 Concen: 1.096 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059901.D
 Acq: 29 Jan 2020 10:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.1	47.4	142.3
145	35.6	16.3	48.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

