

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012920\
 Data File : VN059902.D
 Acq On : 29 Jan 2020 10:55
 Operator : JC/MD
 Sample : VN0129MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 29 23:59:33 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	209418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	317851	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	280127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	114990	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	111678	48.02	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.04%	
35) Dibromofluoromethane	7.56	113	95076	50.16	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.32%	
50) Toluene-d8	10.08	98	373987	50.92	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	124260	46.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.86%	

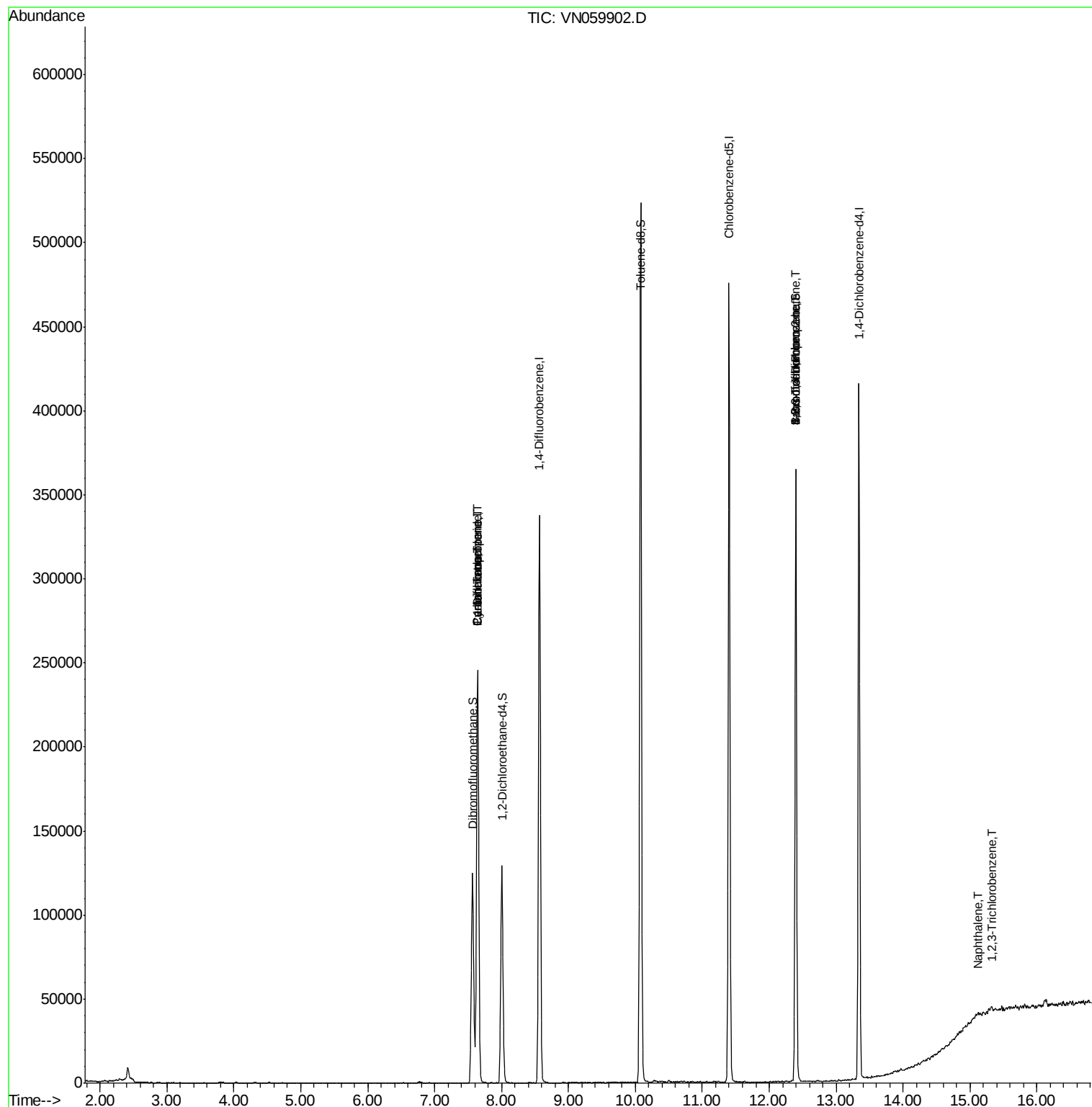
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	1248	Below Cal	#	45
20) Methylene Chloride	4.52	84	321	Below Cal	#	61
31) Cyclohexane	7.64	56	3871	1.125	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14348	5.184	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18494	6.142	ug/l #	15
71) Bromoform	12.40	173	745	0.437	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	61789	31.930	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	61789	68.569	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.29	75	62	Below Cal	#	6
95) Naphthalene	15.13	128	1781	0.284	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.31	180	466	0.217	ug/l #	69

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

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Operator : JC/MD
Sample : VN0129MBL01
Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 29 23:59:33 2020
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: VN059902.D

Acq: 29 Jan 2020 10:55

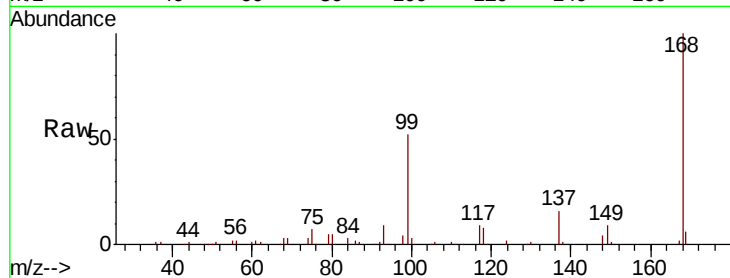
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 209418

Ion Ratio Lower Upper

168 100

99 52.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

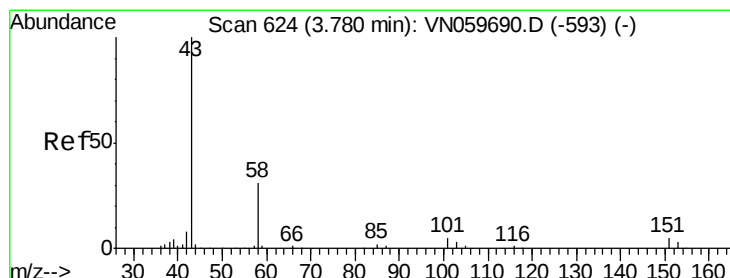
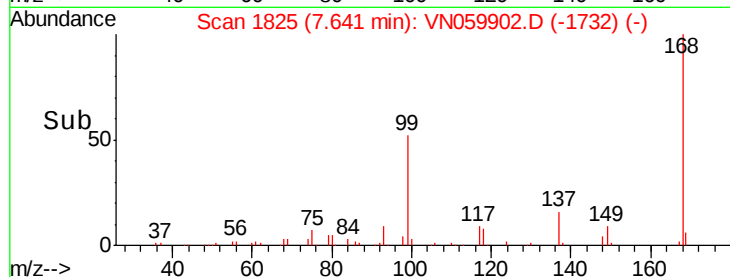
60000

40000

20000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN059902.D

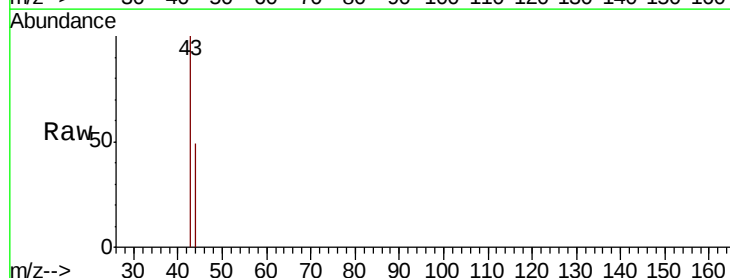
Acq: 29 Jan 2020 10:55

Tgt Ion: 43 Resp: 1248

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

500

400

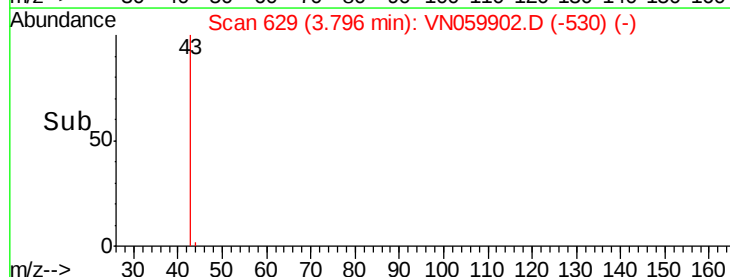
300

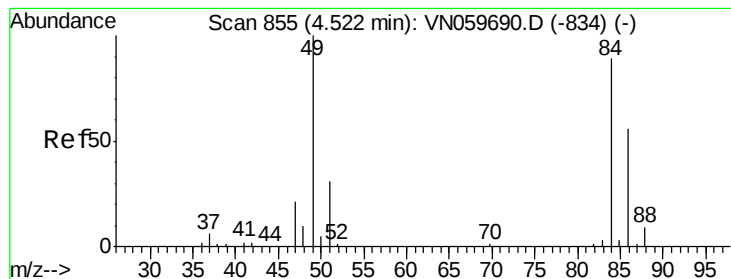
200

100

0

Time-->





#20

Methylene Chloride

Concen: Below Cal

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 321

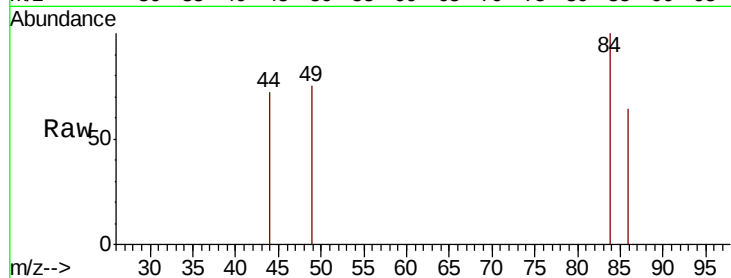
Ion Ratio Lower Upper

84 100

49 74.6 106.6 160.0#

51 0.0 31.9 47.9#

86 63.6 50.8 76.2

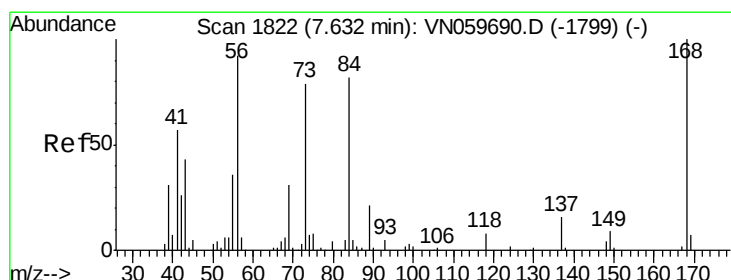
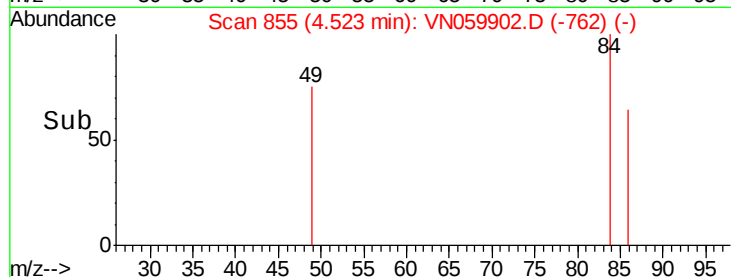
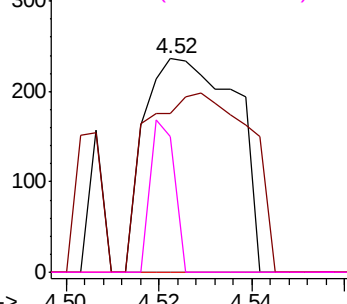


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

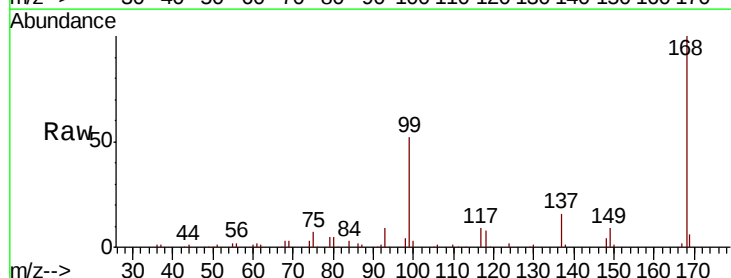
Tgt Ion: 56 Resp: 3871

Ion Ratio Lower Upper

56 100

69 164.6 26.5 39.7#

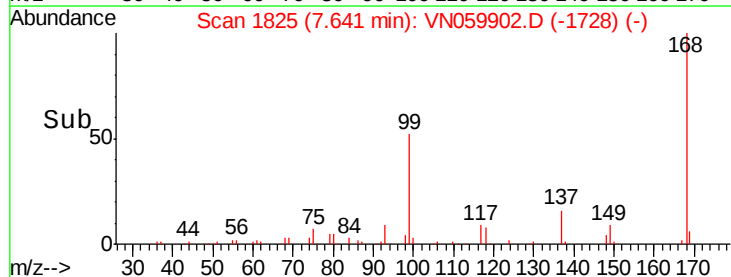
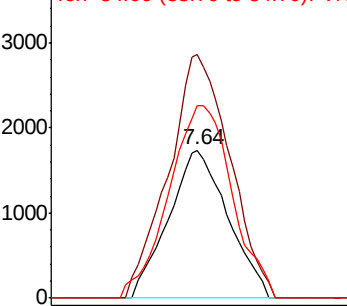
84 130.1 65.3 97.9#

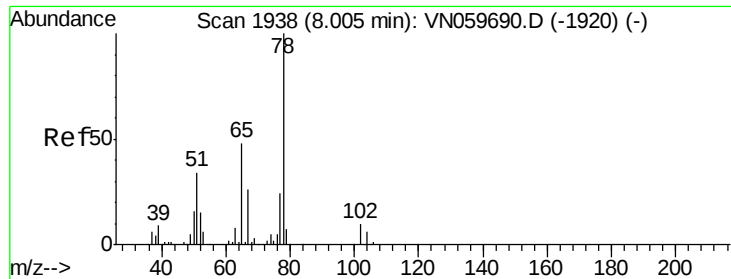


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

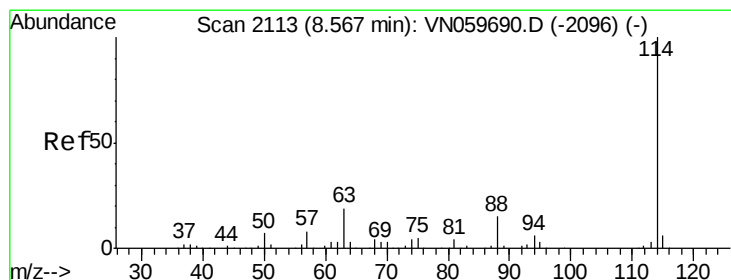
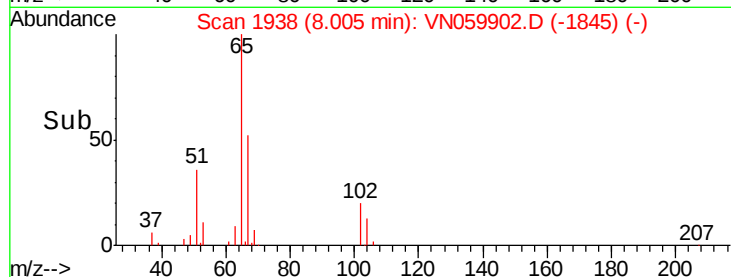
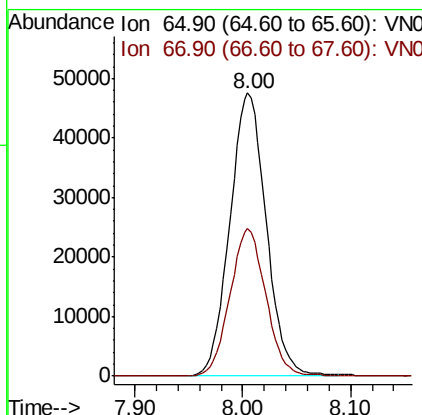
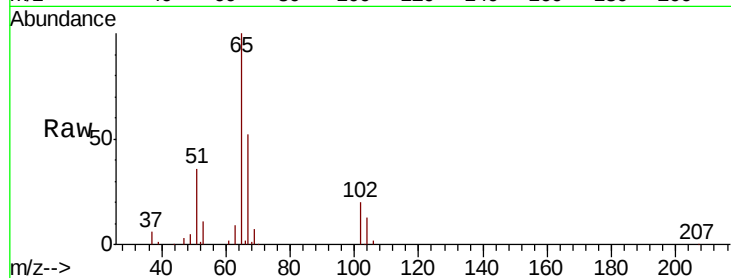




#33
 1,2-Dichloroethane-d4
 Concen: 48.020 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059902.D
 Acq: 29 Jan 2020 10:55

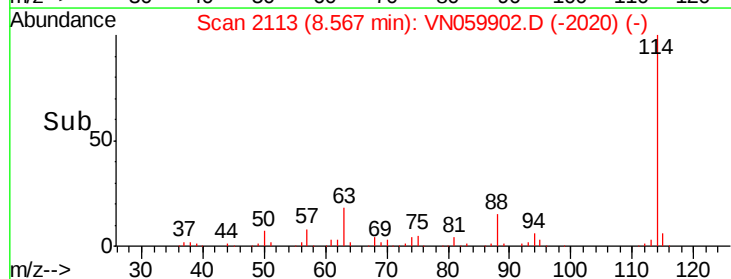
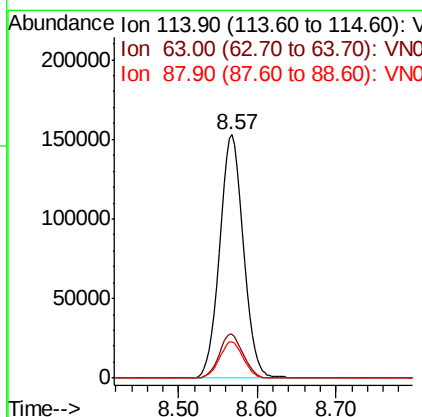
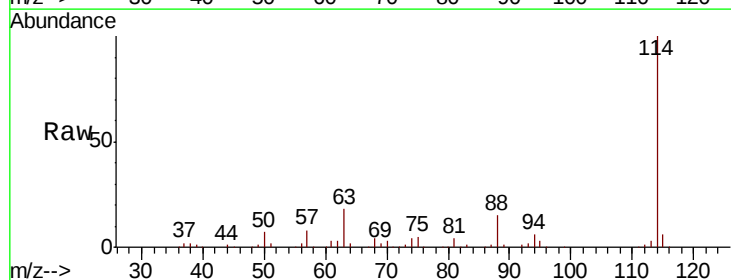
Instrument :
 MSVOA_N
 ClientSampleId :

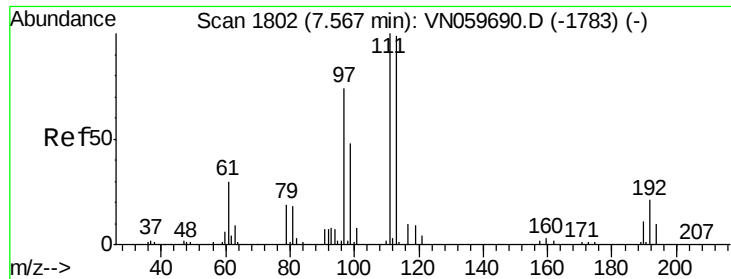
Tot Ion: 65 Resp: 111678
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059902.D
 Acq: 29 Jan 2020 10:55

Tgt Ion: 114 Resp: 317851
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 43.6
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 50.159 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

Instrument :
MSVOA_N
ClientSampled :

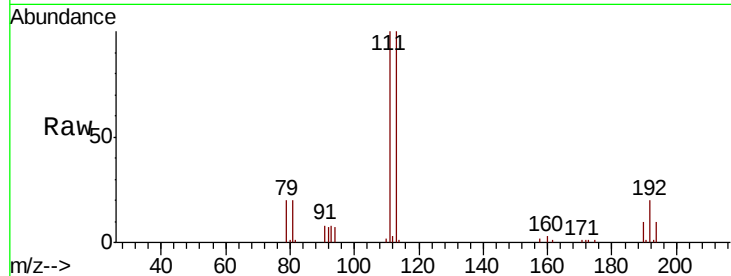
Tot Ion:113 Resp: 95076

Ion Ratio Lower Upper

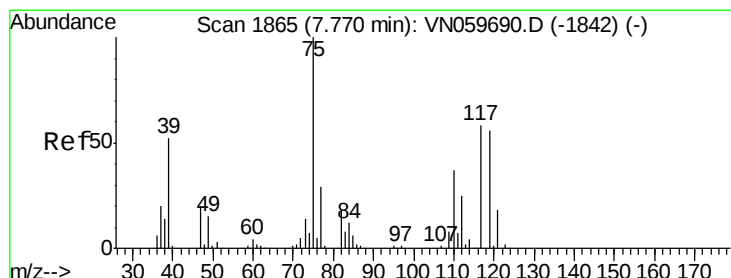
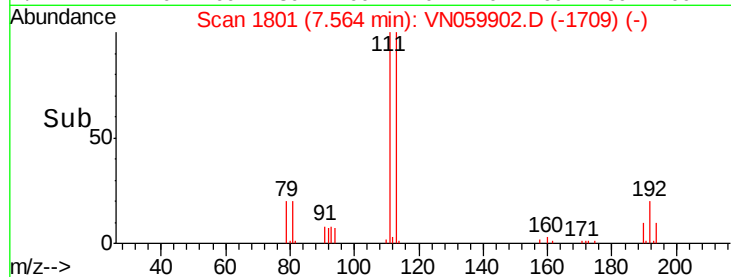
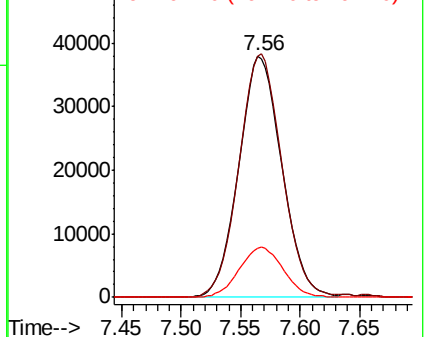
113 100

111 101.1 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: 5.184 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

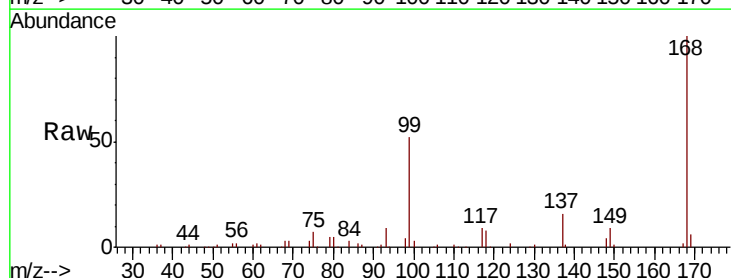
Tgt Ion: 75 Resp: 14348

Ion Ratio Lower Upper

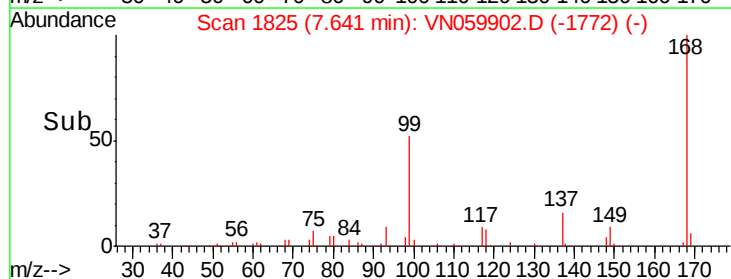
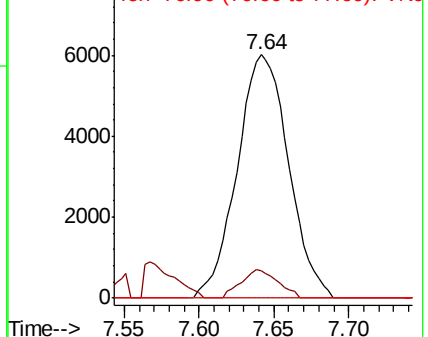
75 100

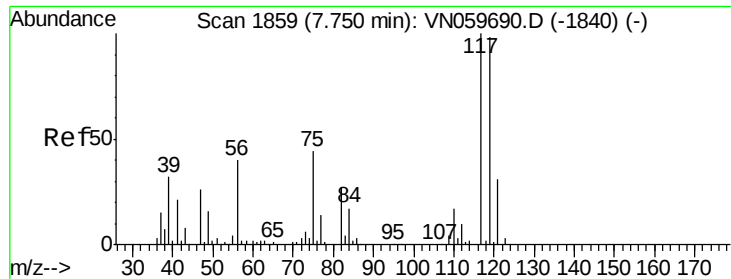
110 8.3 16.6 49.7#

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: 6.142 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

Instrument :

MSVOA_N

ClientSampled :

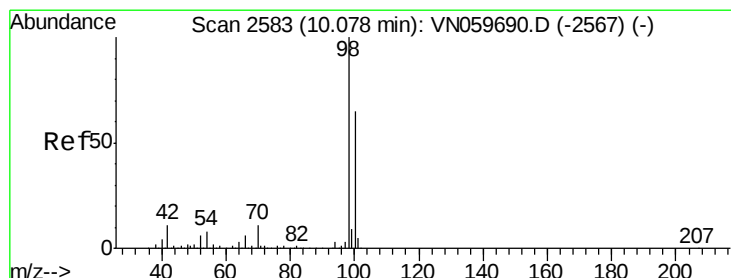
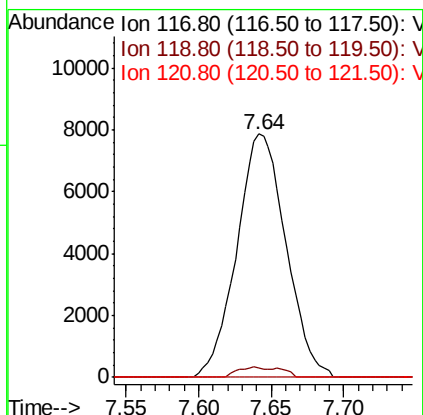
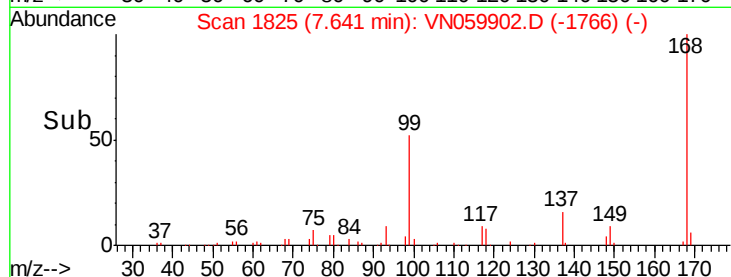
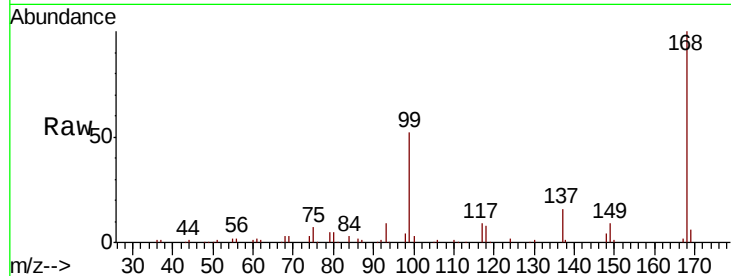
Tot Ion:117 Resp: 18494

Ion Ratio Lower Upper

117 100

119 4.0 76.5 114.7#

121 0.0 25.1 37.7#



#50

Toluene-d8

Concen: 50.924 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059902.D

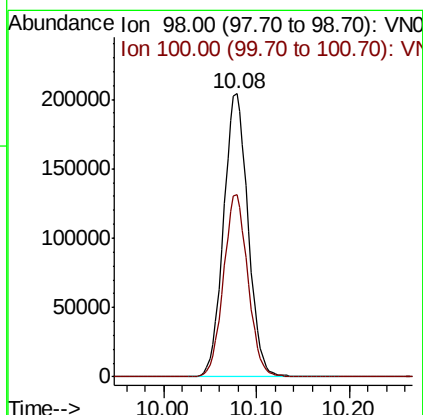
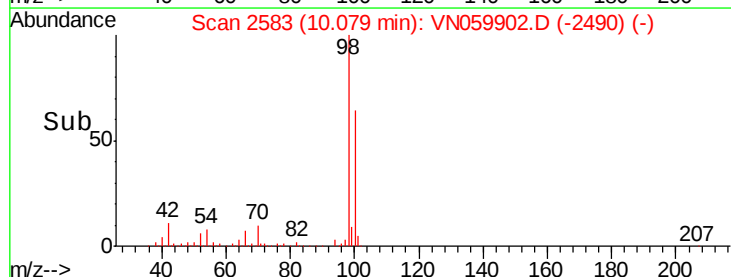
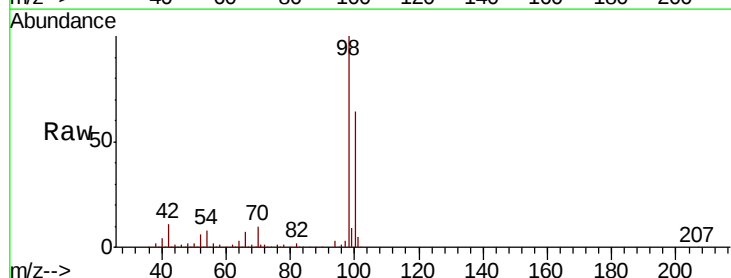
Acq: 29 Jan 2020 10:55

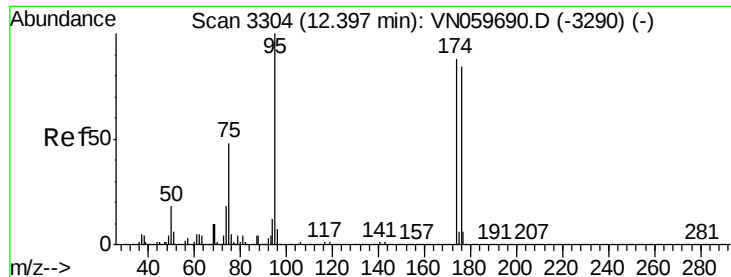
Tgt Ion: 98 Resp: 373987

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8





#62

4-Bromofluorobenzene

Concen: 46.934 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

Instrument :

MSVOA_N

ClientSampled :

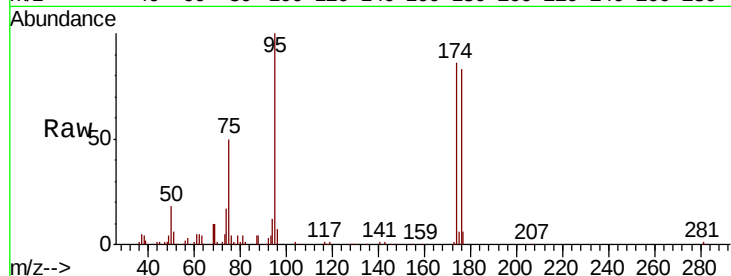
Tot Ion: 95 Resp: 124260

Ion Ratio Lower Upper

95 100

174 87.3 0.0 151.4

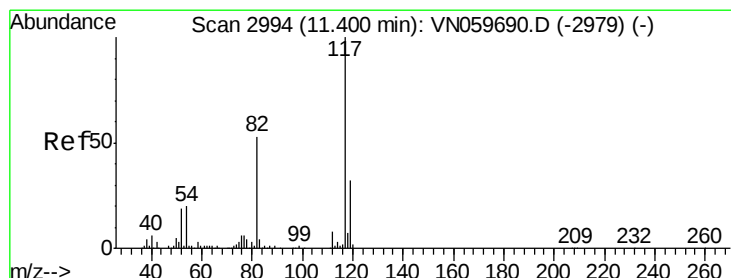
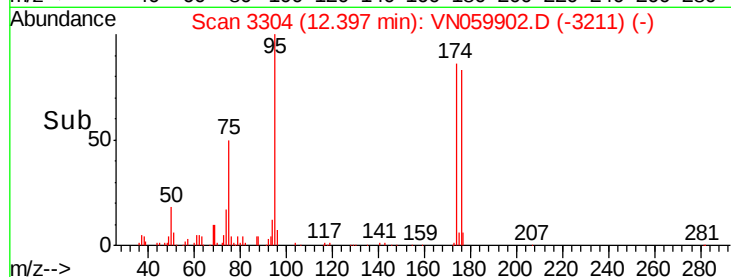
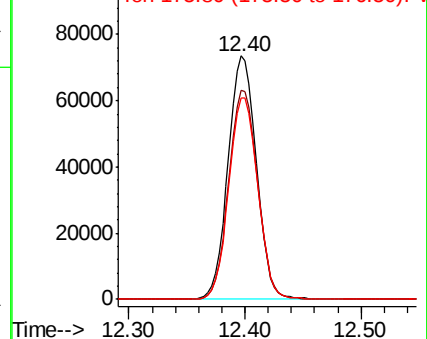
176 84.7 0.0 146.0



Abundance Ion 94.90 (94.60 to 95.60): VN059902.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN059902.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN059902.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

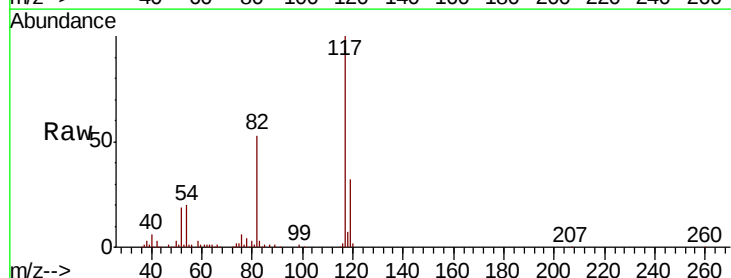
Tgt Ion: 117 Resp: 280127

Ion Ratio Lower Upper

117 100

82 52.9 45.9 68.9

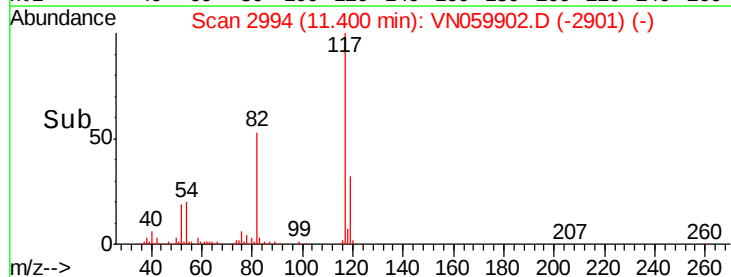
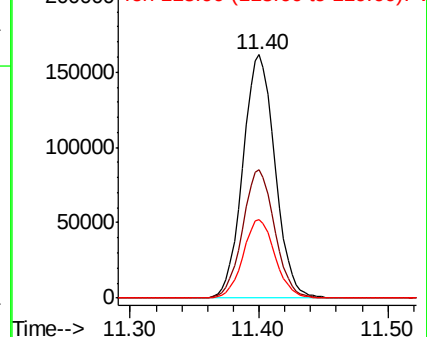
119 32.3 25.5 38.3

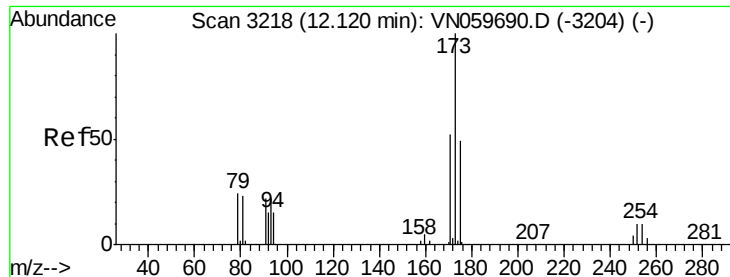


Abundance Ion 116.90 (116.60 to 117.60): VN059902.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN059902.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN059902.D (-2979) (-)





#71

Bromoform

Concen: 0.437 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.28 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

Instrument :

MSVOA_N

ClientSampleId :

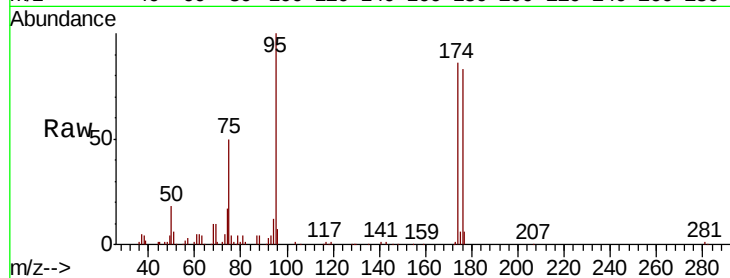
Tot Ion:173 Resp: 745

Ion Ratio Lower Upper

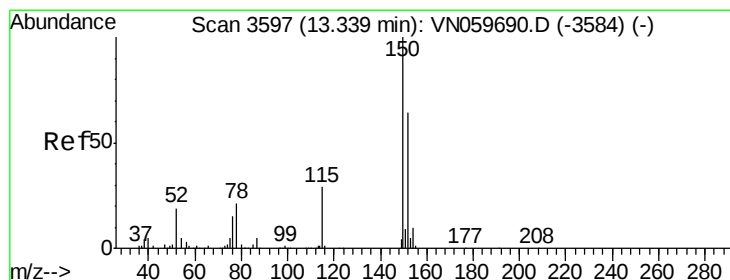
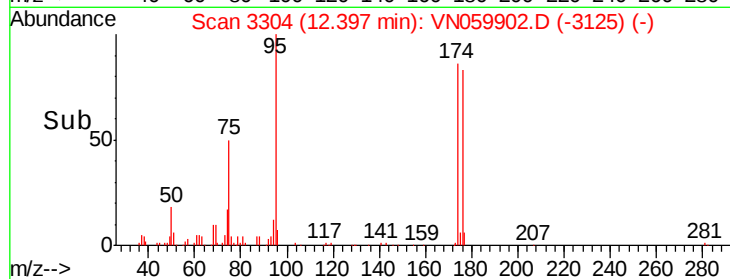
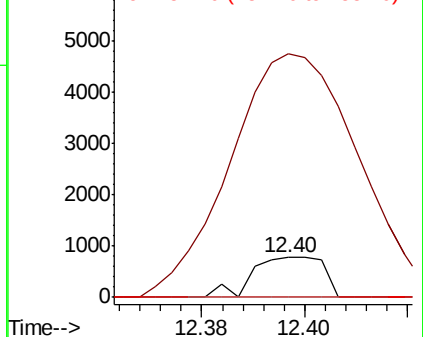
173 100

175 888.3 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# 3597

Delta R.T. 0.00 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

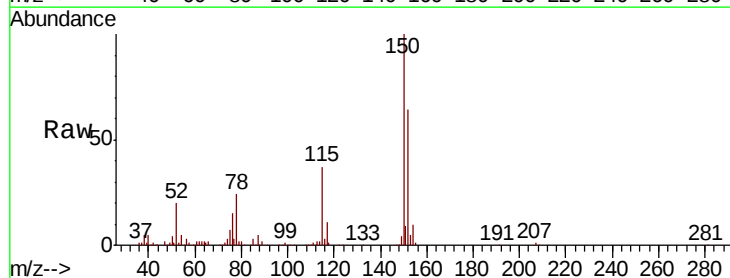
Tgt Ion:152 Resp: 114990

Ion Ratio Lower Upper

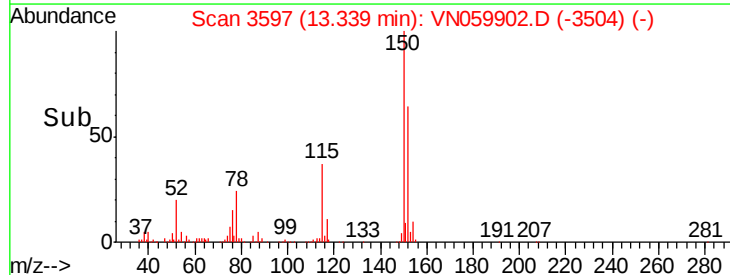
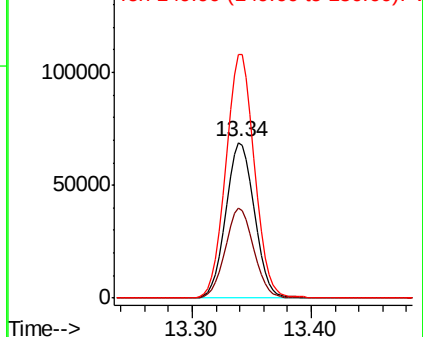
152 100

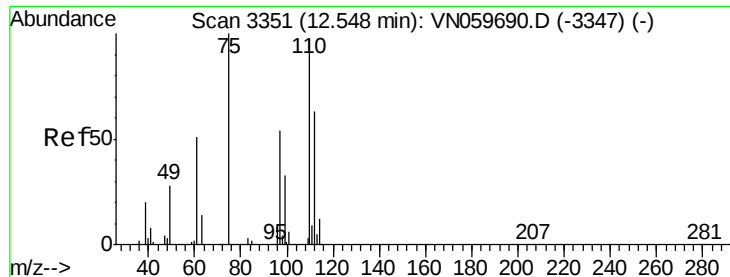
115 57.3 30.3 90.9

150 156.5 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: 31.930 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

Instrument :

MSVOA_N

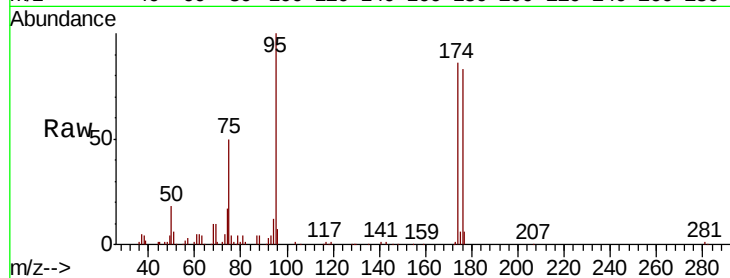
ClientSampled :

Tot Ion: 75 Resp: 61789

Ion Ratio Lower Upper

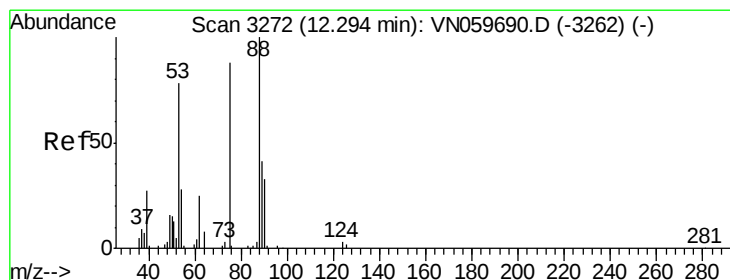
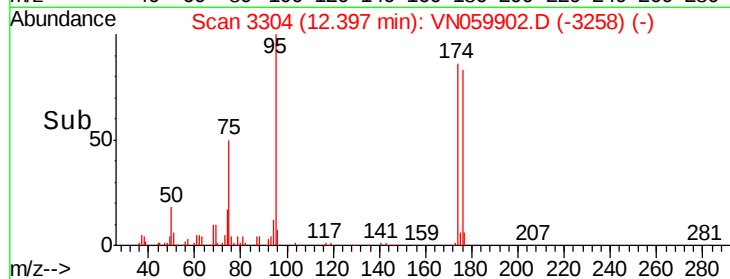
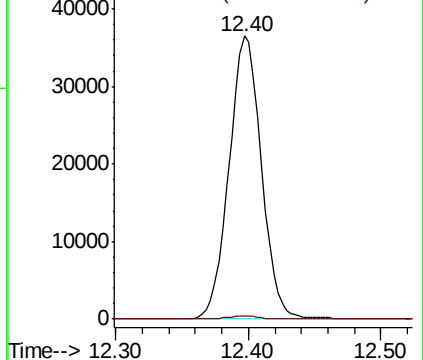
75 100

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: 68.569 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059902.D

Acq: 29 Jan 2020 10:55

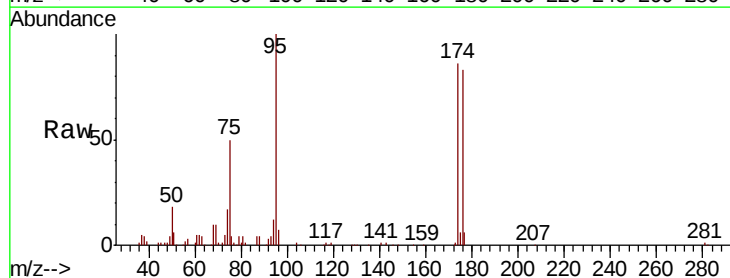
Tgt Ion: 75 Resp: 61789

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

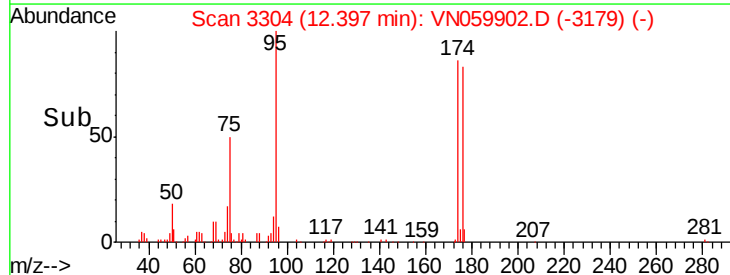
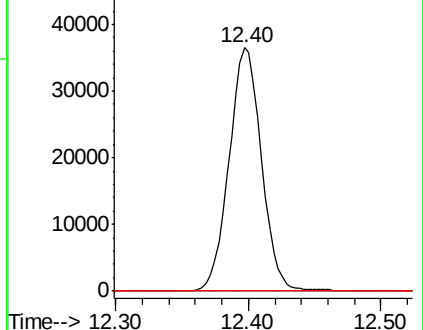
89 0.0 35.4 53.2#

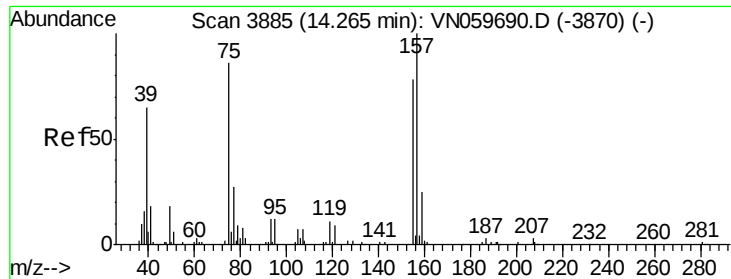


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

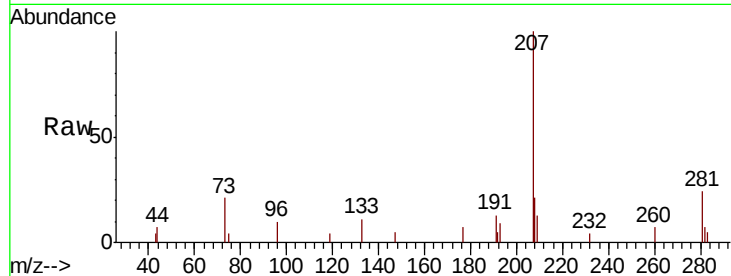




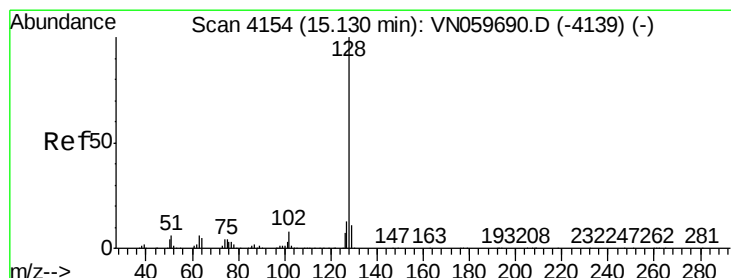
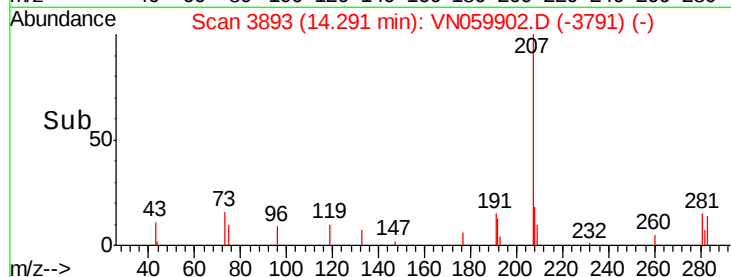
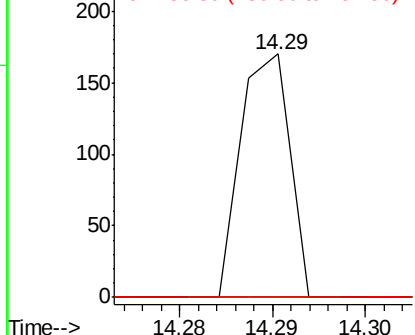
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.29 min Scan# 3893
 Delta R.T. 0.03 min
 Lab File: VN059902.D
 Acq: 29 Jan 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 62
 Ion Ratio Lower Upper
 75 100
 155 0.0 37.0 110.9#
 157 0.0 48.4 145.2#

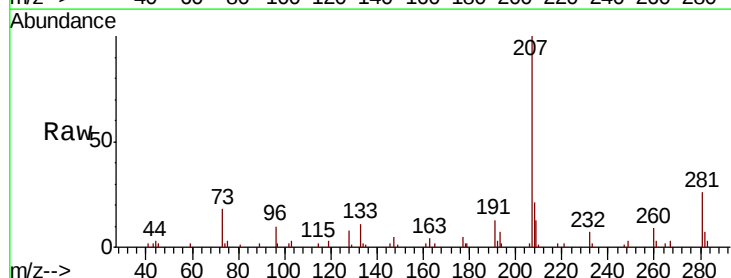


Abundance Ion 74.90 (74.60 to 75.60): VN059902.D (-3791) (-)
 Ion 154.80 (154.50 to 155.50): VN059902.D (-3791) (-)
 Ion 156.80 (156.50 to 157.50): VN059902.D (-3791) (-)

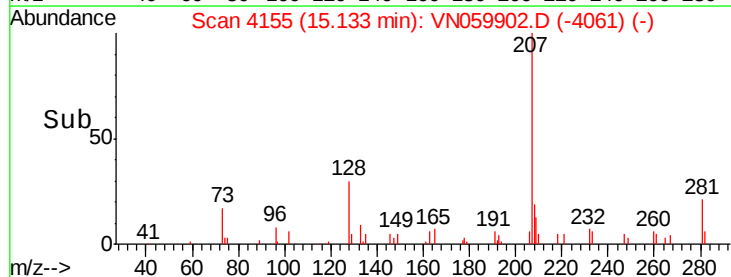
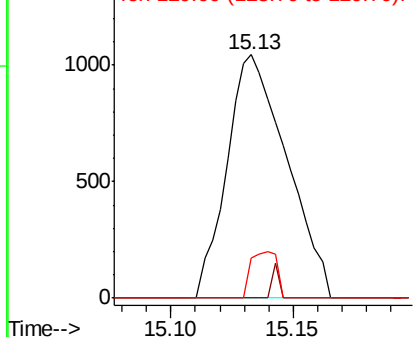


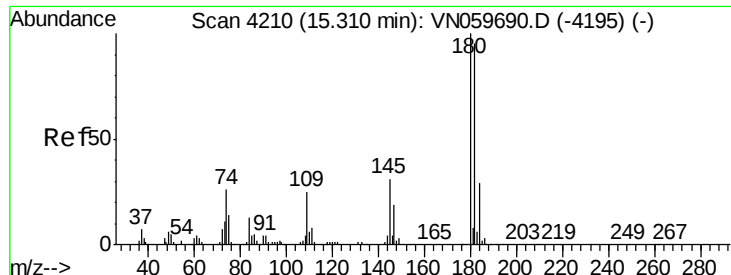
#95
 Naphthalene
 Concen: 0.284 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN059902.D
 Acq: 29 Jan 2020 10:55

Tgt Ion: 128 Resp: 1781
 Ion Ratio Lower Upper
 128 100
 127 1.6 10.4 15.6#
 129 8.1 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN059902.D (-4061) (-)
 Ion 127.00 (126.70 to 127.70): VN059902.D (-4061) (-)
 Ion 129.00 (128.70 to 129.70): VN059902.D (-4061) (-)

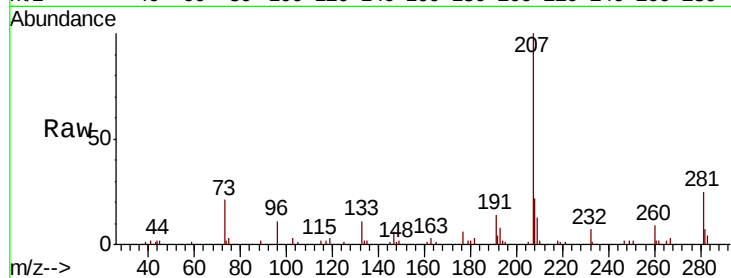




#96
 1,2,3-Trichlorobenzene
 Concen: 0.217 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059902.D
 Acq: 29 Jan 2020 10:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.1	47.4	142.3
145	91.2	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

