

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012120\
 Data File : VN059803.D
 Acq On : 21 Jan 2020 11:32
 Operator : JC/MD
 Sample : VN0121WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jan 22 02:44:04 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	201486	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	302495	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	257526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	103868	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	104207	46.57	ug/l	0.00
Spiked Amount			Recovery	=	93.14%	
35) Dibromofluoromethane	7.57	113	90197	50.00	ug/l	0.00
Spiked Amount			Recovery	=	100.00%	
50) Toluene-d8	10.08	98	350678	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	12.40	95	112428	44.62	ug/l	0.00
Spiked Amount			Recovery	=	89.24%	

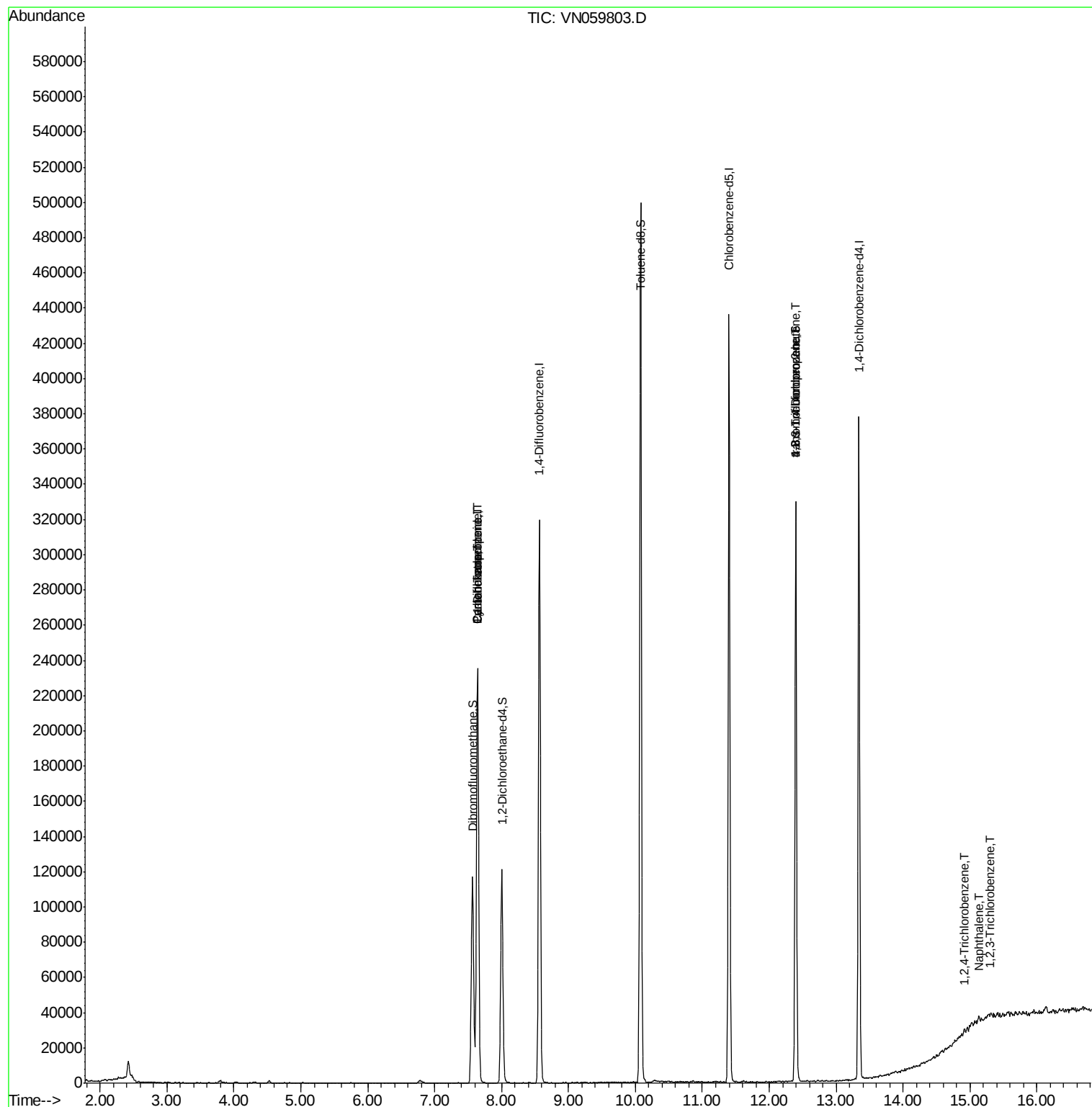
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	2251	Below Cal		98
20) Methylene Chloride	4.52	84	1019	Below Cal	#	84
31) Cyclohexane	7.64	56	3716	1.122	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	13278	5.041	ug/l #	51
38) Carbon Tetrachloride	7.64	117	18845	6.577	ug/l #	16
76) 1,2,3-Trichloropropane	12.40	75	57052	32.639	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	57052	70.091	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	14.27	75	93	Below Cal	#	6
93) 1,2,4-Trichlorobenzene	14.90	180	476	0.239	ug/l #	81
95) Naphthalene	15.14	128	2183	0.386	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.31	180	920	0.475	ug/l	88

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

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Jan 22 02:44:04 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: VN059803.D

Acq: 21 Jan 2020 11:32

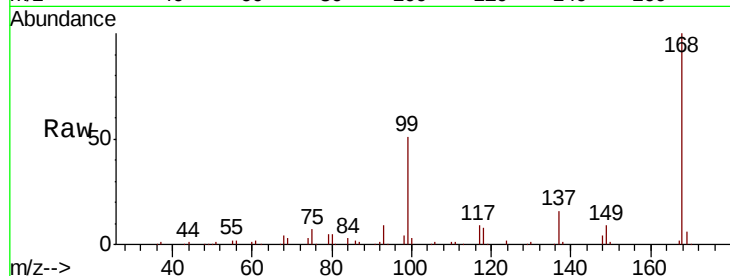
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 201486

Ion Ratio Lower Upper

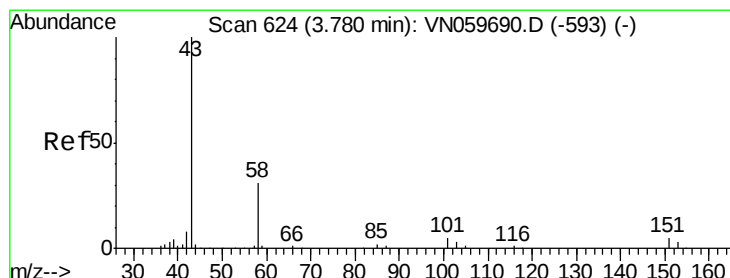
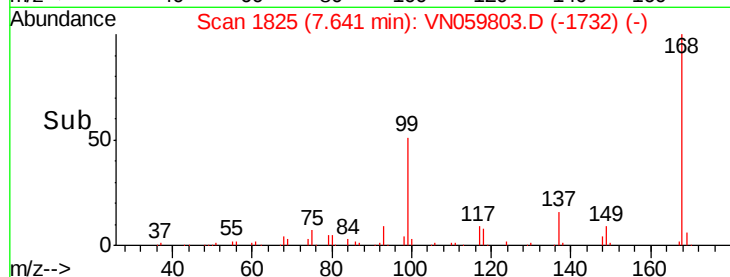
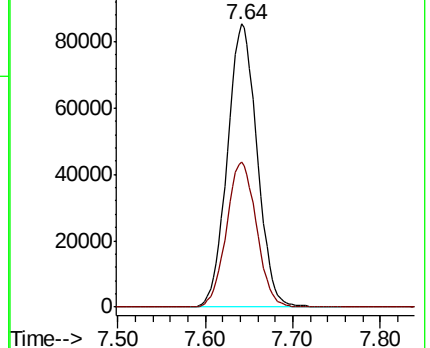
168 100

99 51.1 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: Below Cal

RT: 3.80 min Scan# 631

Delta R.T. 0.02 min

Lab File: VN059803.D

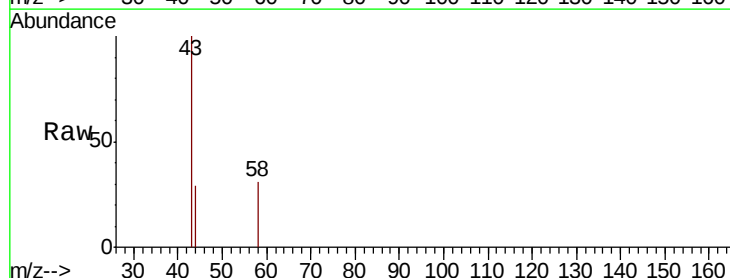
Acq: 21 Jan 2020 11:32

Tgt Ion: 43 Resp: 2251

Ion Ratio Lower Upper

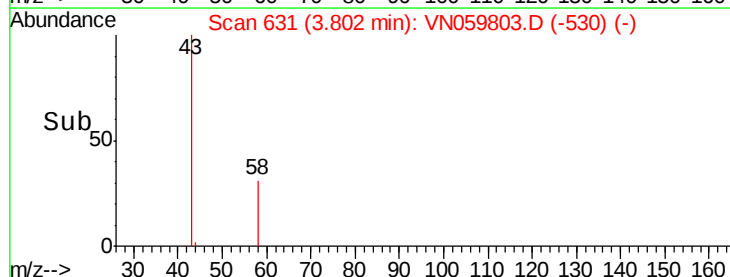
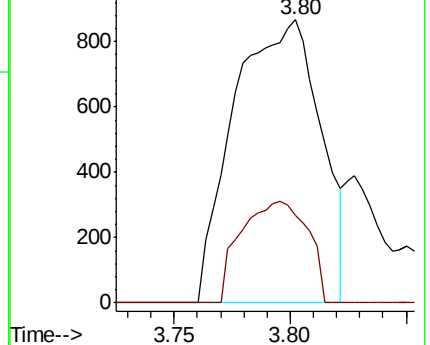
43 100

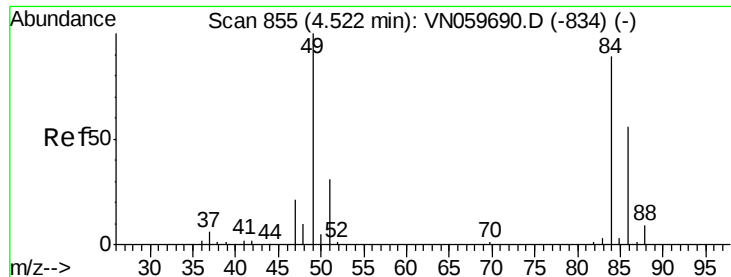
58 30.8 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

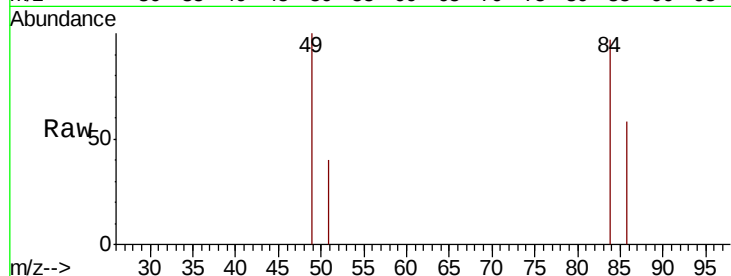




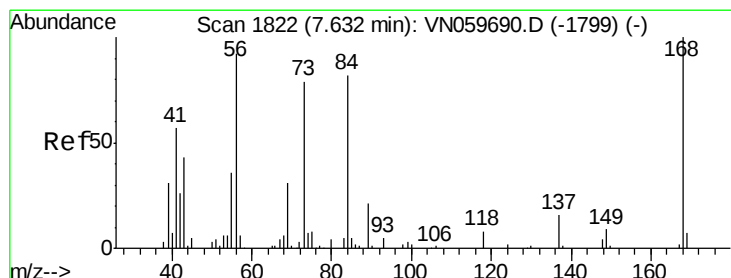
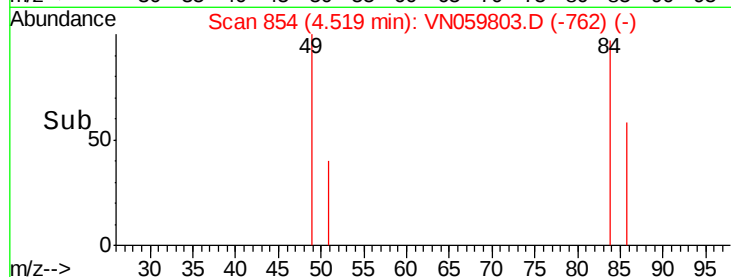
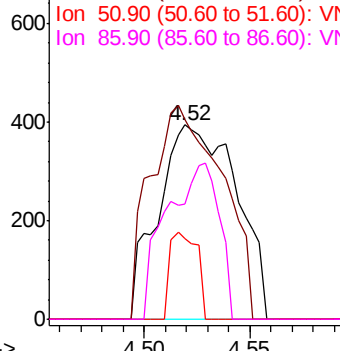
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059803.D
Acq: 21 Jan 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 1019
Ion Ratio Lower Upper
84 100
49 102.8 106.6 160.0#
51 41.6 31.9 47.9
86 59.4 50.8 76.2

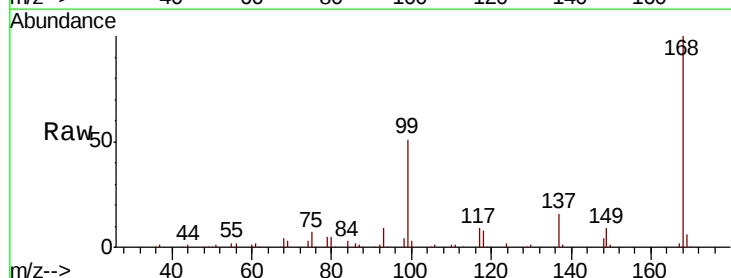


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

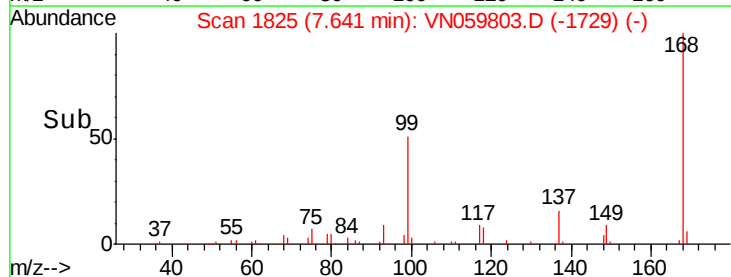
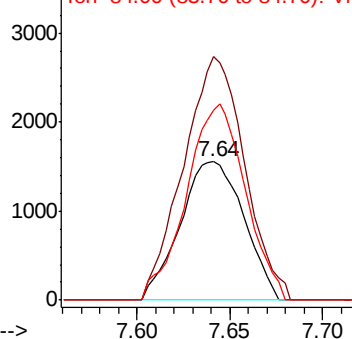


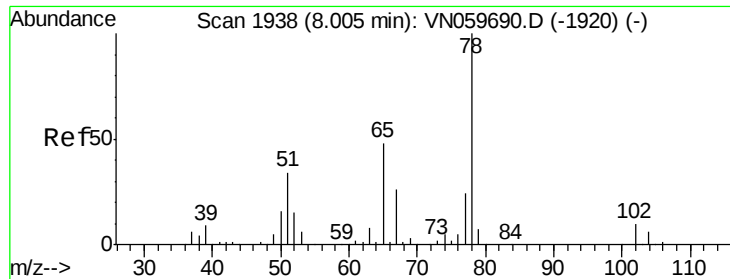
#31
Cyclohexane
Concen: 1.122 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN059803.D
Acq: 21 Jan 2020 11:32

Tgt Ion: 56 Resp: 3716
Ion Ratio Lower Upper
56 100
69 176.2 26.5 39.7#
84 137.7 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

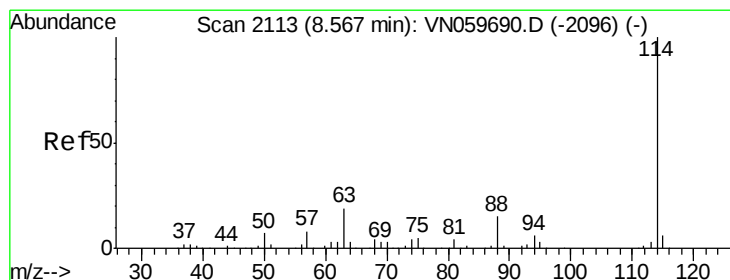
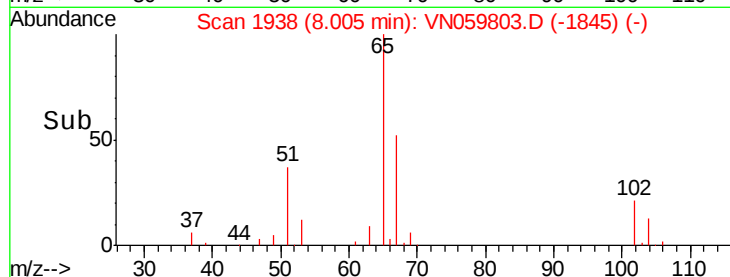
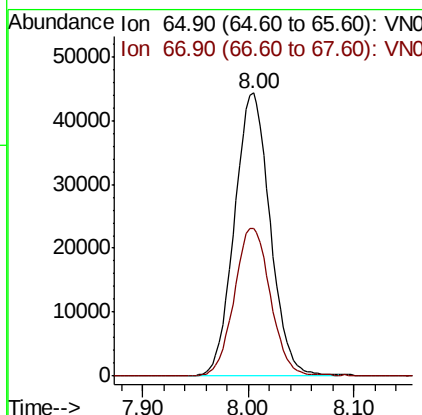
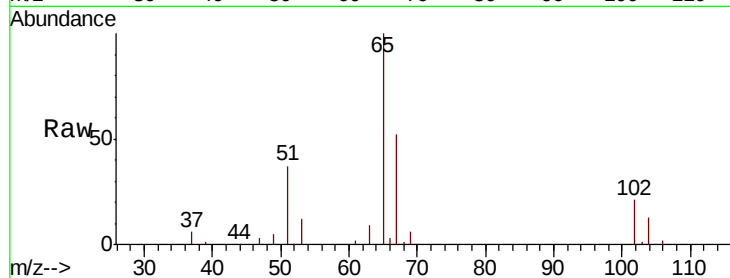




#33
 1,2-Dichloroethane-d4
 Concen: 46.572 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059803.D
 Acq: 21 Jan 2020 11:32

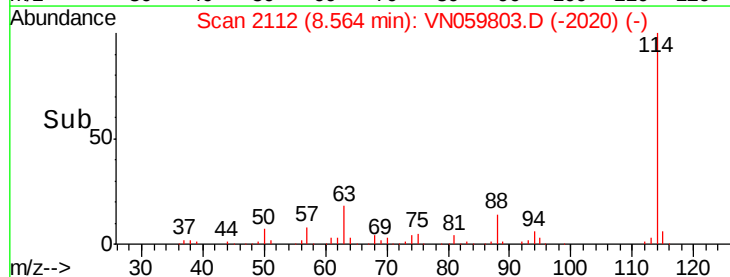
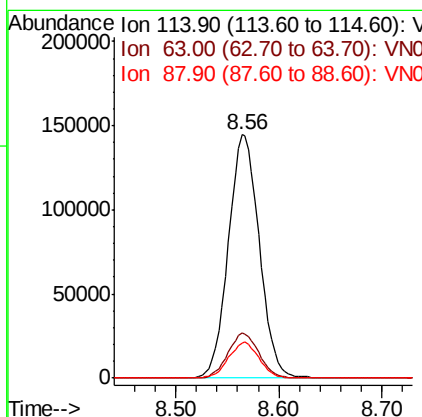
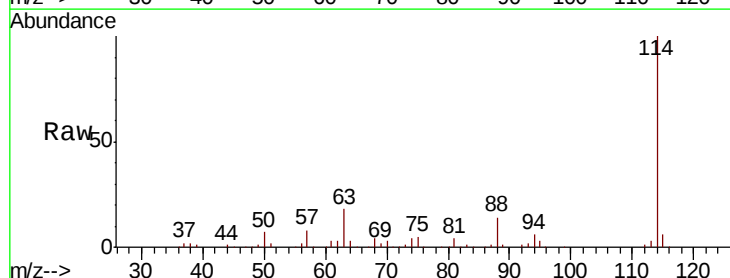
Instrument :
 MSVOA_N
 ClientSampleId :

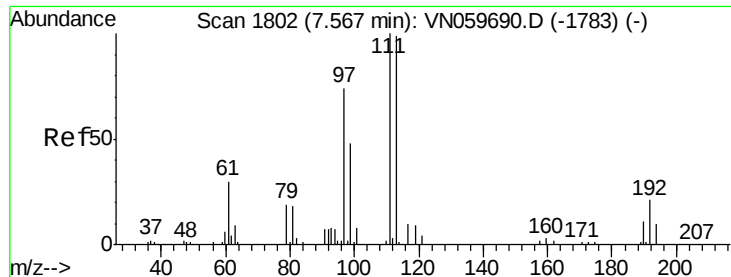
Tot Ion: 65 Resp: 104207
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059803.D
 Acq: 21 Jan 2020 11:32

Tgt Ion: 114 Resp: 302495
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 43.6
 88 14.5 0.0 31.4

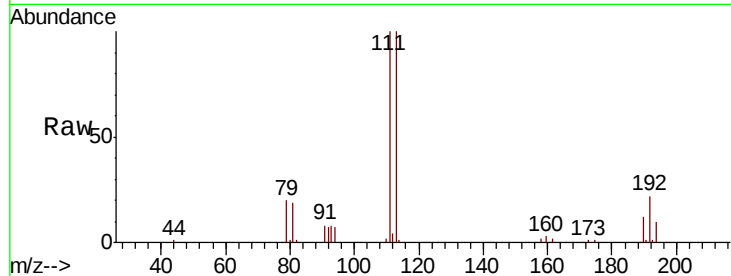




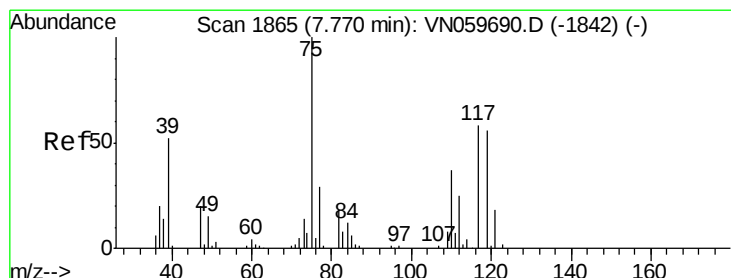
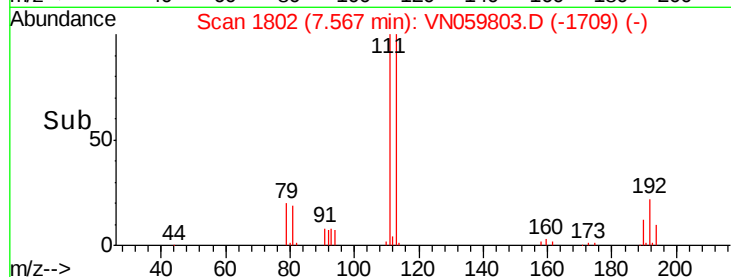
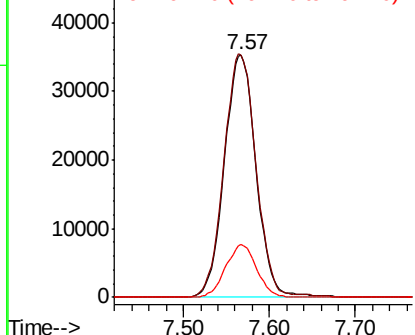
#35
Dibromofluoromethane
Concen: 50.001 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059803.D
Acq: 21 Jan 2020 11:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 90197
Ion Ratio Lower Upper
113 100
111 102.2 83.5 125.3
192 21.1 15.4 23.2

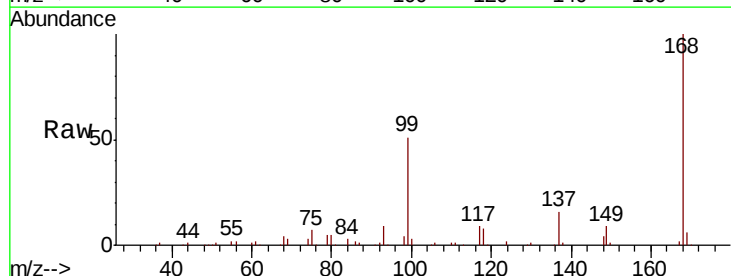


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

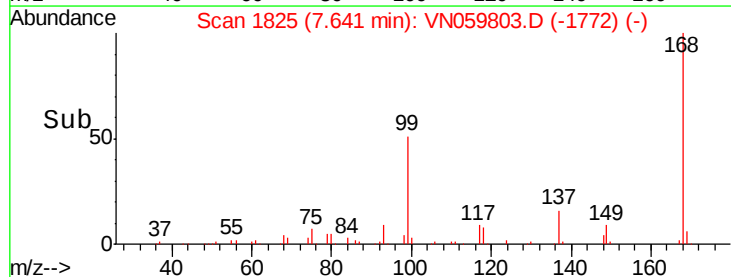
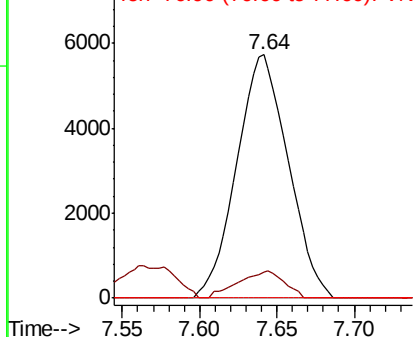


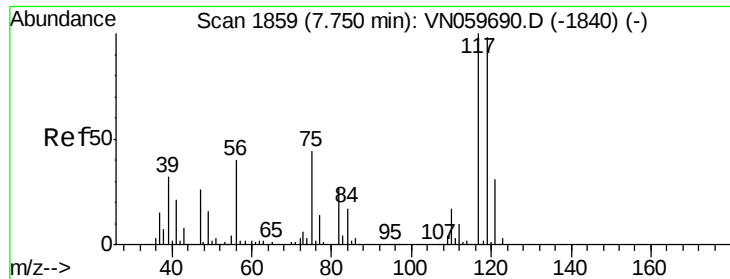
#36
1,1-Dichloropropene
Concen: 5.041 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.13 min
Lab File: VN059803.D
Acq: 21 Jan 2020 11:32

Tgt Ion: 75 Resp: 13278
Ion Ratio Lower Upper
75 100
110 10.1 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: 6.577 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN059803.D

Acq: 21 Jan 2020 11:32

Instrument :
MSVOA_N
ClientSampled :

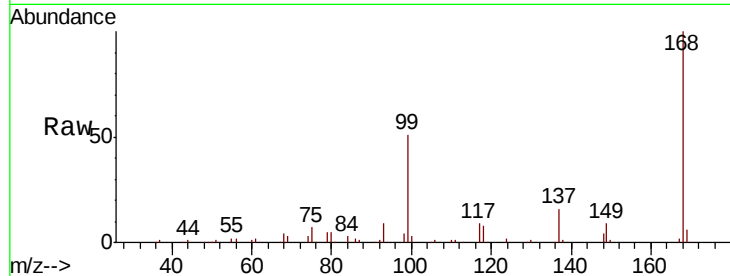
Tot Ion:117 Resp: 18845

Ion Ratio Lower Upper

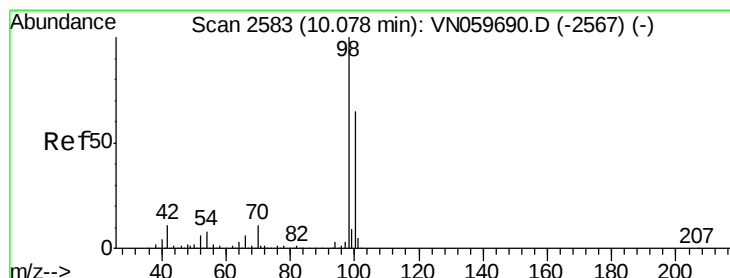
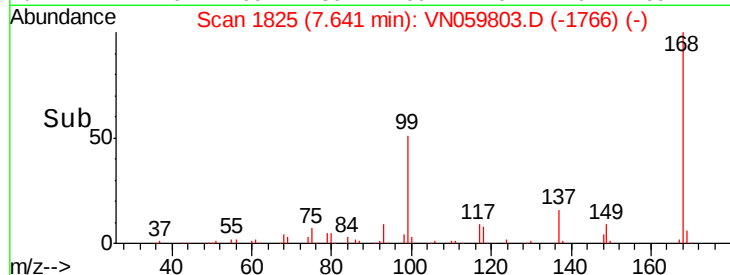
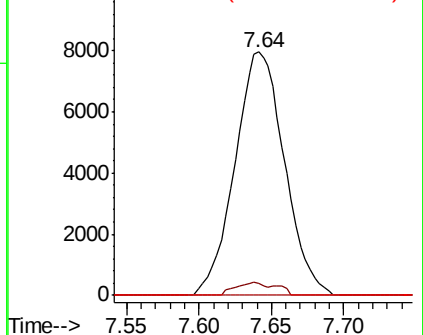
117 100

119 4.7 76.5 114.7#

121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 50.174 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN059803.D

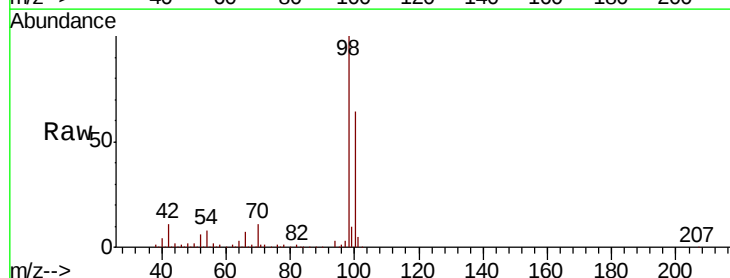
Acq: 21 Jan 2020 11:32

Tgt Ion: 98 Resp: 350678

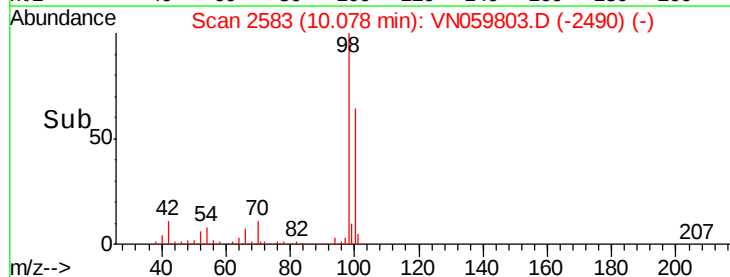
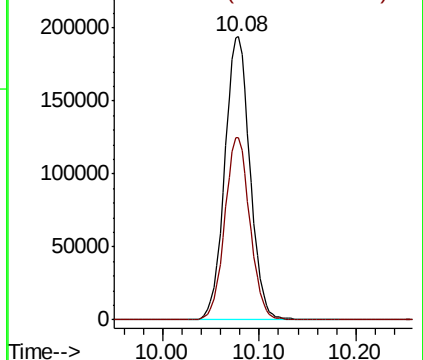
Ion Ratio Lower Upper

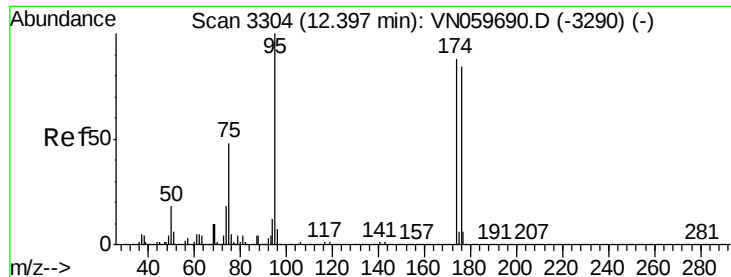
98 100

100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN

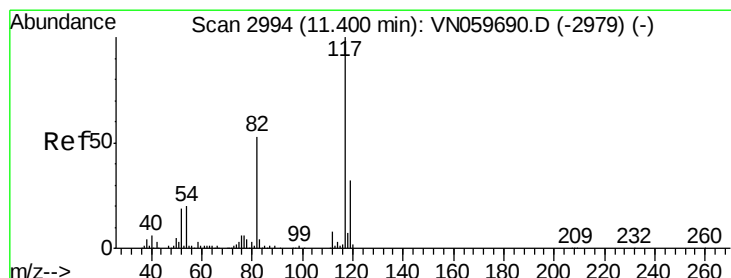
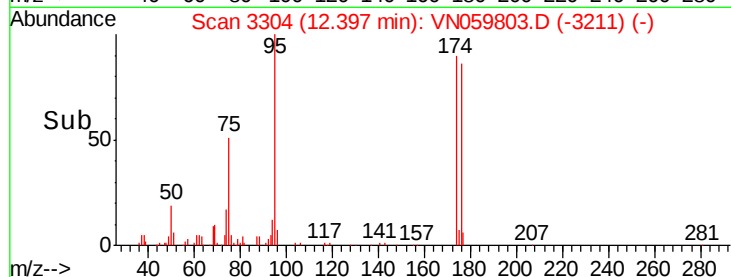
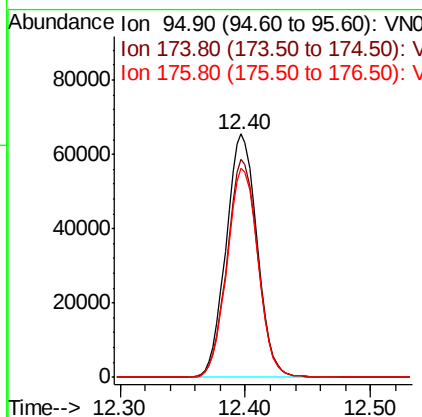
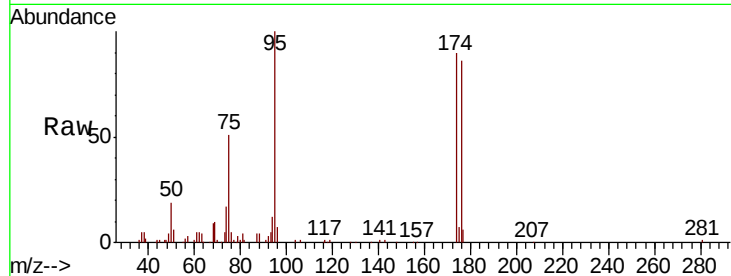




#62
4-Bromofluorobenzene
Concen: 44.621 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059803.D
Acq: 21 Jan 2020 11:32

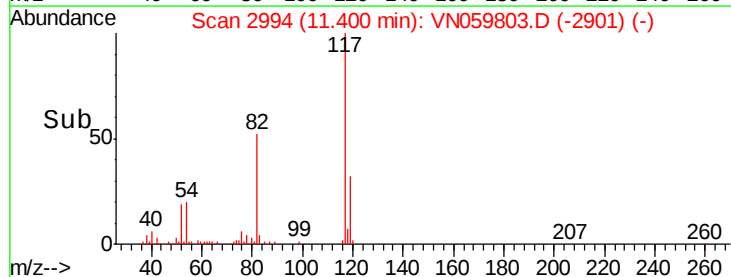
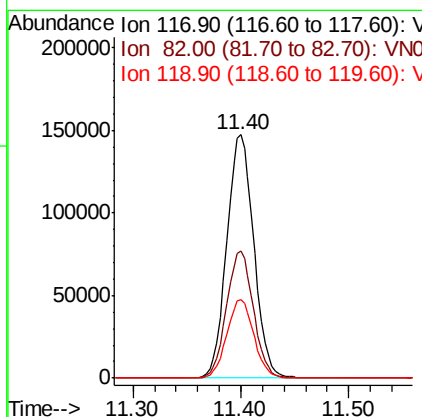
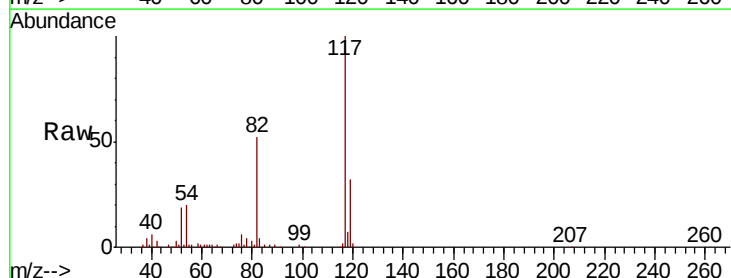
Instrument :
MSVOA_N
ClientSampled :

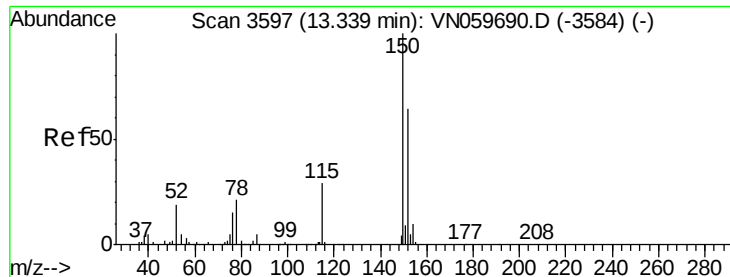
Tot Ion: 95 Resp: 112428
Ion Ratio Lower Upper
95 100
174 88.9 0.0 151.4
176 86.0 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059803.D
Acq: 21 Jan 2020 11:32

Tgt Ion: 117 Resp: 257526
Ion Ratio Lower Upper
117 100
82 52.4 45.9 68.9
119 32.3 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN059803.D

Acq: 21 Jan 2020 11:32

Instrument :

MSVOA_N

ClientSampled :

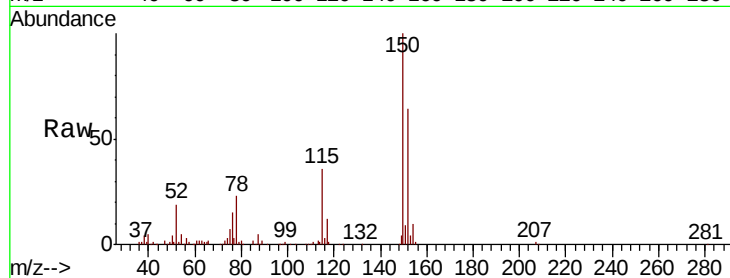
Tot Ion:152 Resp: 103868

Ion Ratio Lower Upper

152 100

115 56.7 30.3 90.9

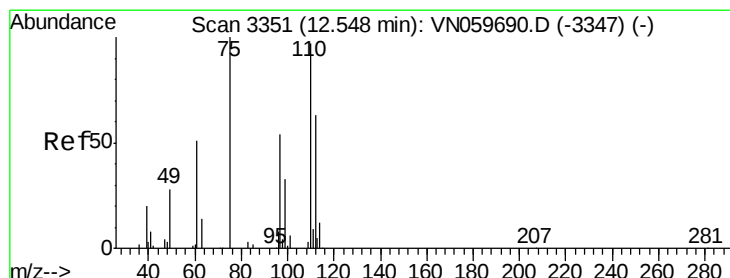
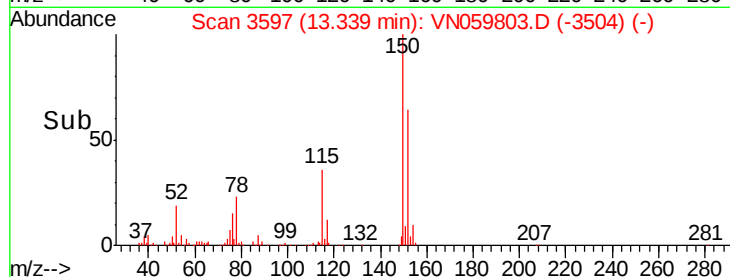
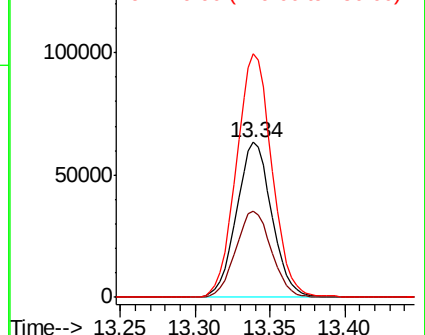
150 158.1 0.0 345.2



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: 32.639 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059803.D

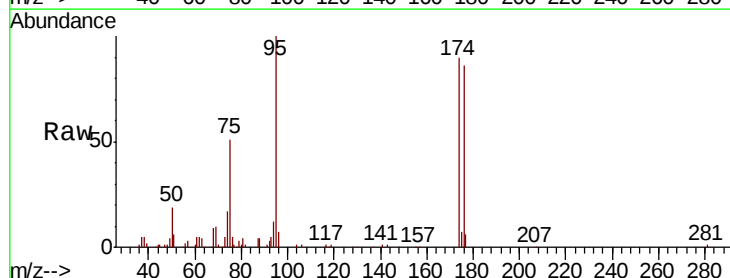
Acq: 21 Jan 2020 11:32

Tgt Ion: 75 Resp: 57052

Ion Ratio Lower Upper

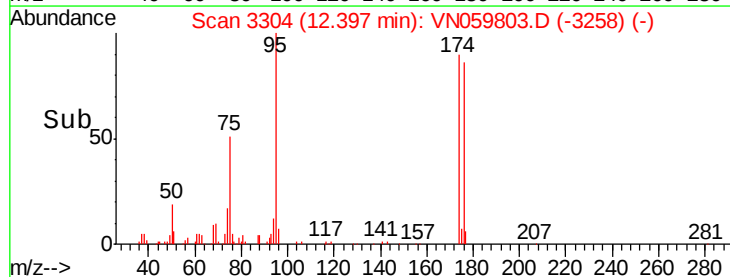
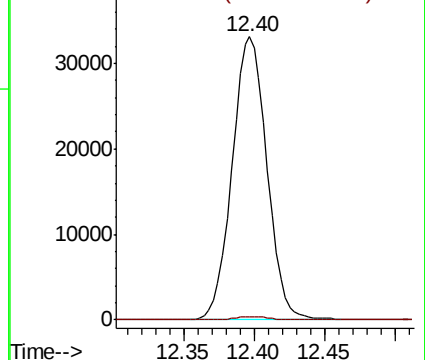
75 100

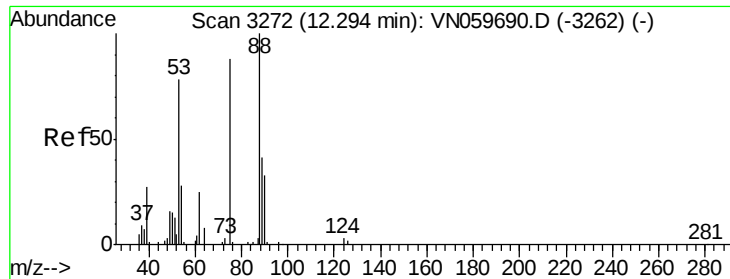
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 70.091 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059803.D

Acq: 21 Jan 2020 11:32

Instrument :

MSVOA_N

ClientSampleId :

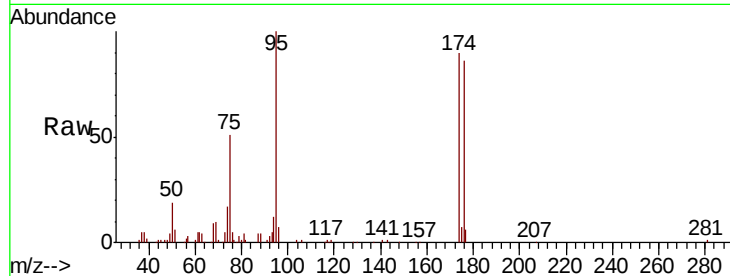
Tot Ion: 75 Resp: 57052

Ion Ratio Lower Upper

75 100

53 0.0 78.1 117.1#

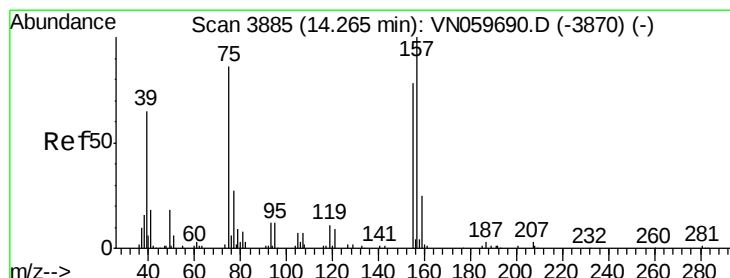
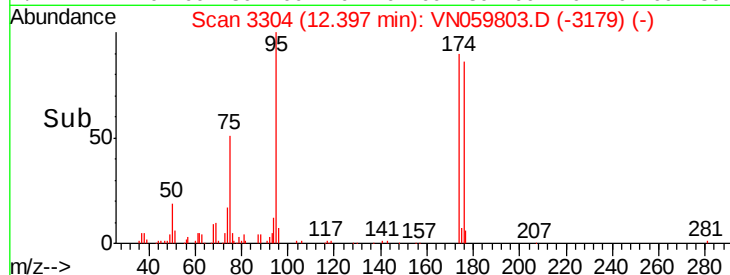
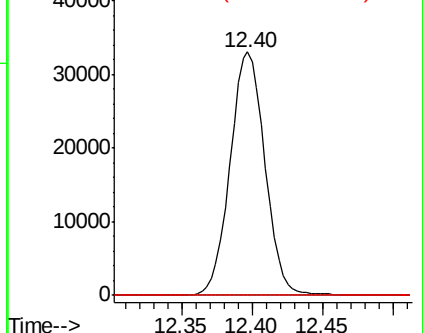
89 0.0 35.4 53.2#



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: 14.27 min Scan# 3887

Delta R.T. 0.01 min

Lab File: VN059803.D

Acq: 21 Jan 2020 11:32

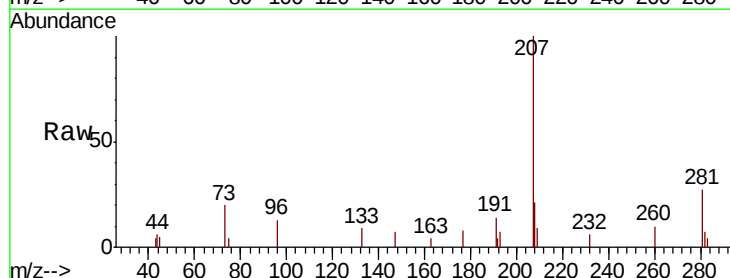
Tgt Ion: 75 Resp: 93

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

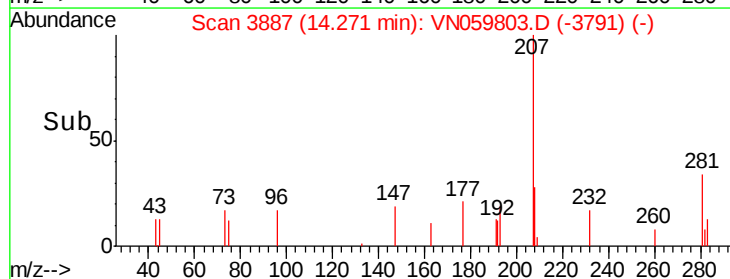
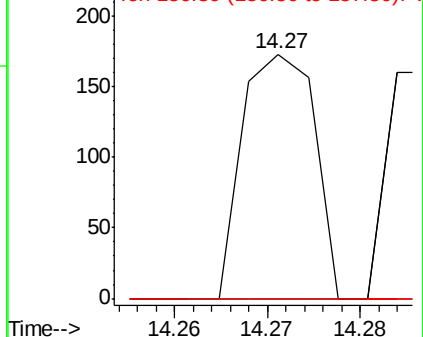
157 0.0 48.4 145.2#

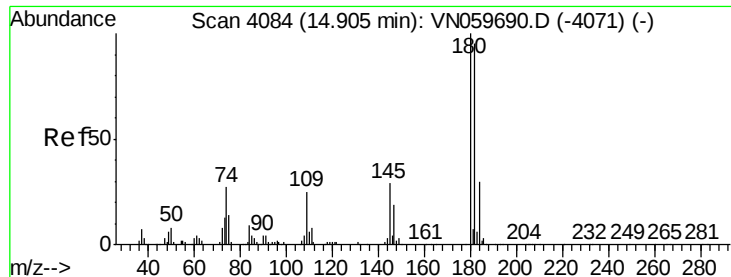


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

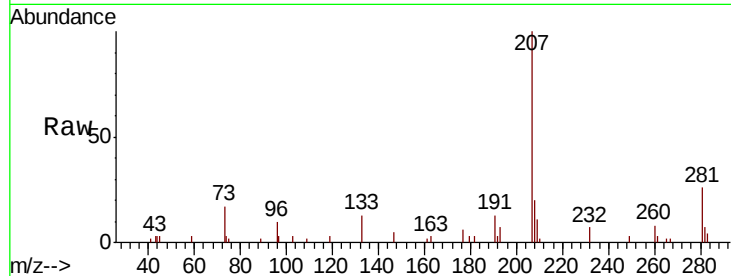




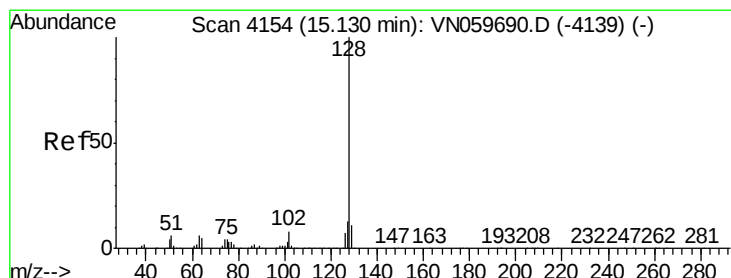
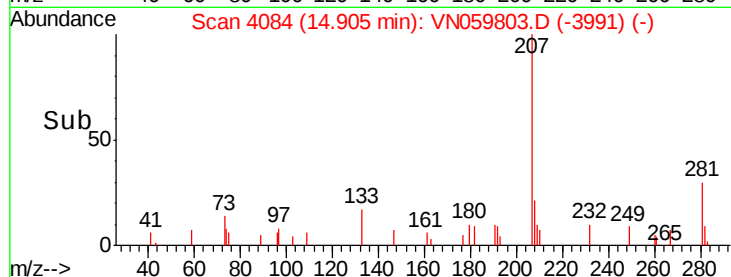
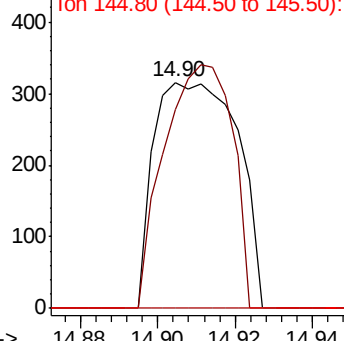
#93
 1,2,4-Trichlorobenzene
 Concen: 0.239 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059803.D
 Acq: 21 Jan 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 476
 Ion Ratio Lower Upper
 180 100
 182 87.4 46.9 140.7
 145 0.0 15.0 45.1#

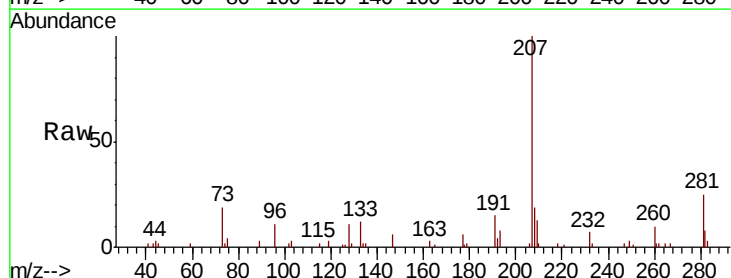


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

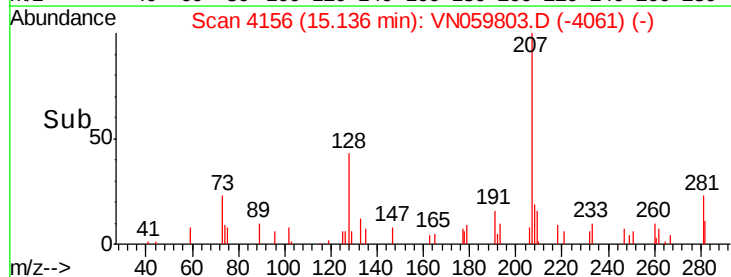
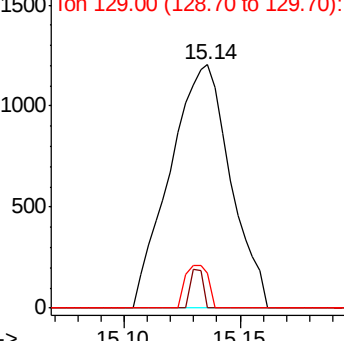


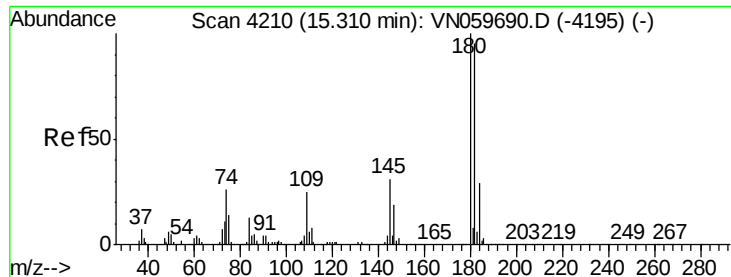
#95
 Naphthalene
 Concen: 0.386 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.01 min
 Lab File: VN059803.D
 Acq: 21 Jan 2020 11:32

Tgt Ion:128 Resp: 2183
 Ion Ratio Lower Upper
 128 100
 127 3.3 10.4 15.6#
 129 6.7 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: 0.475 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN059803.D
 Acq: 21 Jan 2020 11:32

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.5	47.4	142.3
145	30.7	16.3	48.9

