

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059299.D
 Acq On : 19 Nov 2019 11:46
 Operator : JC/SP
 Sample : VN1119WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:42:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438383	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	676832	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	586179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	216968	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	257363	47.76	ug/l	0.00
Spiked Amount			Recovery	=	95.52%	
35) Dibromofluoromethane	7.57	113	204005	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.08	98	821994	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
62) 4-Bromofluorobenzene	12.40	95	264777	46.13	ug/l	0.00
Spiked Amount			Recovery	=	92.26%	

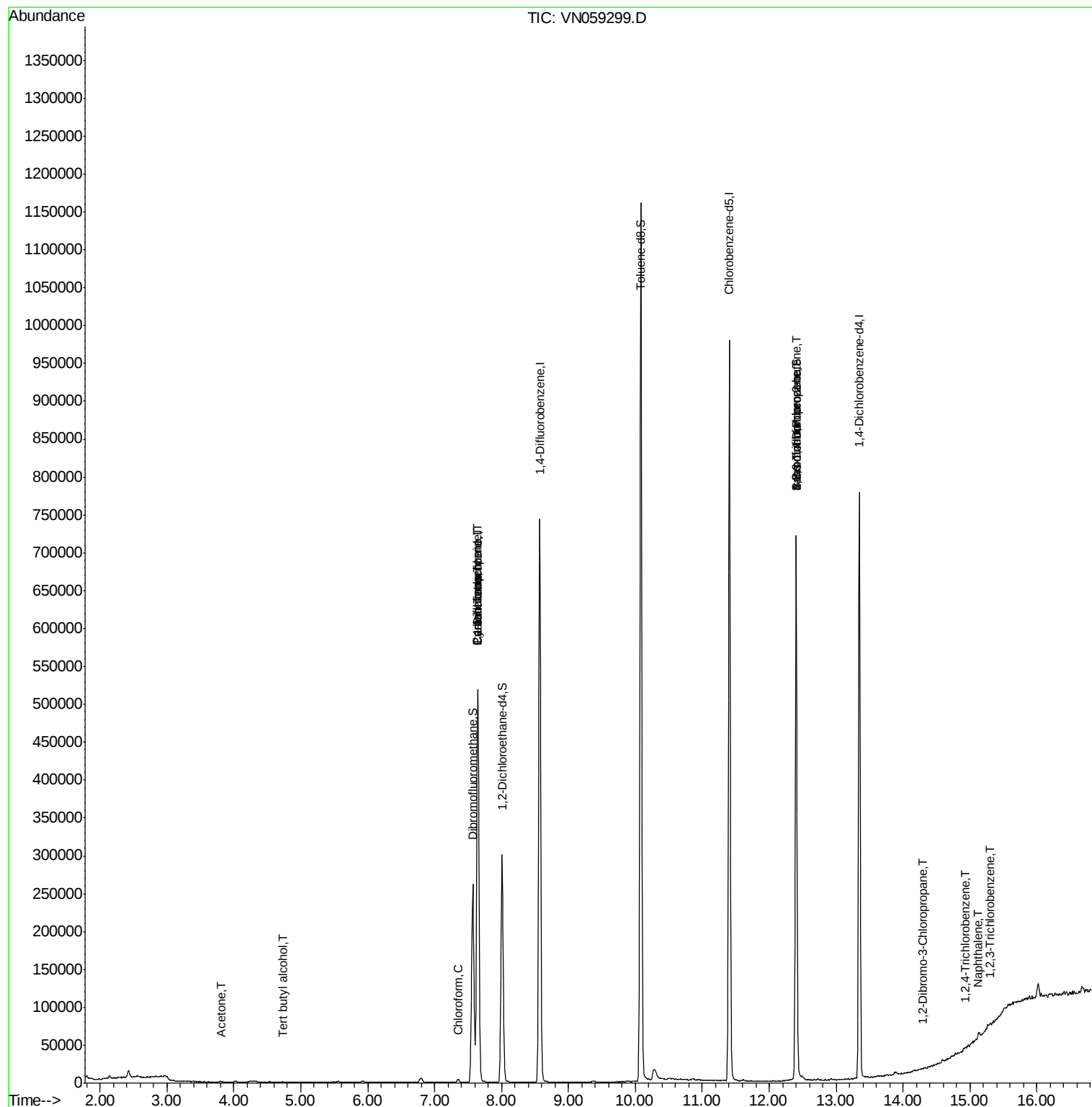
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	302	0.294	ug/l #	72
16) Acetone	3.80	43	632	0.226	ug/l #	44
30) Chloroform	7.35	83	3928	0.462	ug/l	97
31) Cyclohexane	7.65	56	8368	0.997	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32176	5.086	ug/l #	45
38) Carbon Tetrachloride	7.64	117	42058	6.679	ug/l #	16
71) Bromoform	12.40	173	1270	0.381	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	128309	25.975	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128309	68.608	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.28	75	384	0.384	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.92	180	880	3.250	ug/l	76
95) Naphthalene	15.13	128	3658	3.350	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.30	180	1407	0.376	ug/l	79

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

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QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059299.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_N

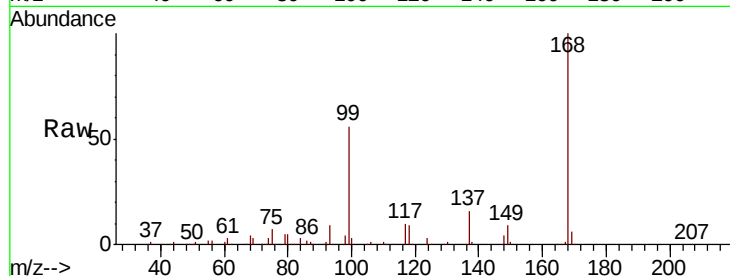
ClientSampleId :

Tot Ion:168 Resp: 438383

Ion Ratio Lower Upper

168 100

99 55.8 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

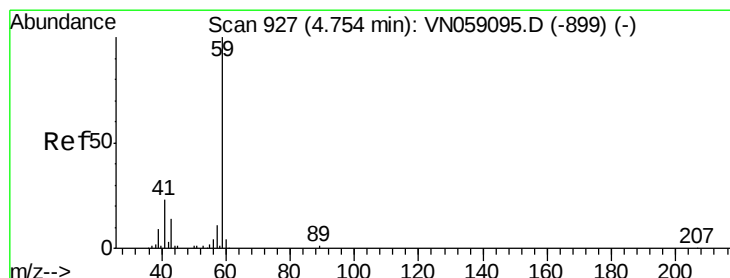
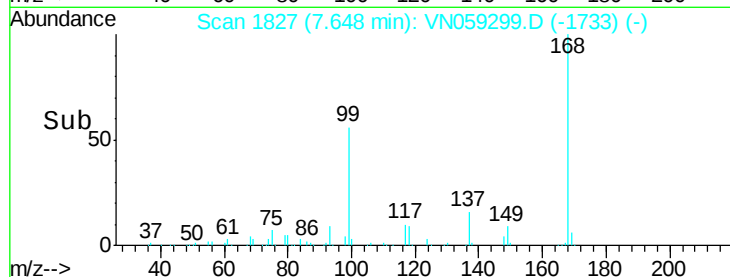
100000

50000

0

7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.294 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.02 min

Lab File: VN059299.D

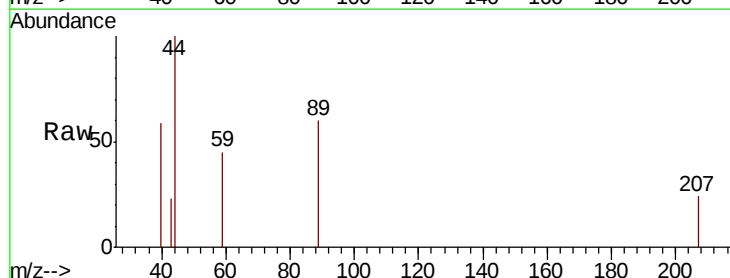
Acq: 19 Nov 2019 11:46

Tgt Ion: 59 Resp: 302

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.73

300

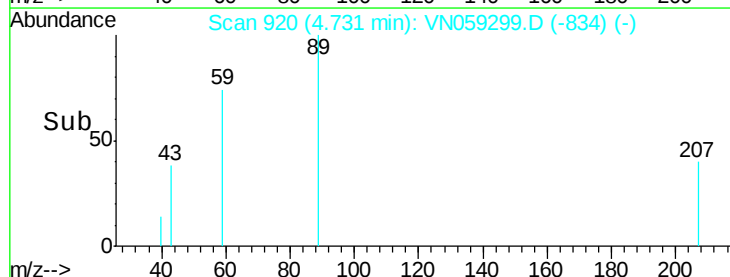
200

100

0

4.72 4.74 4.76

Time-->

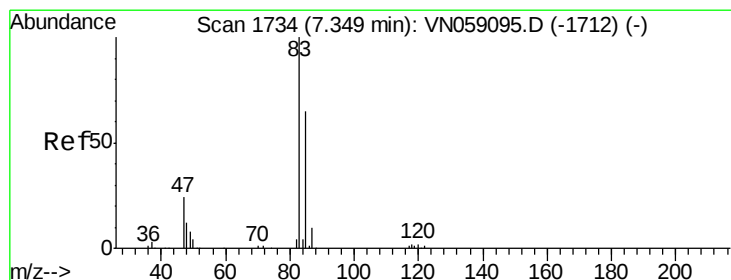
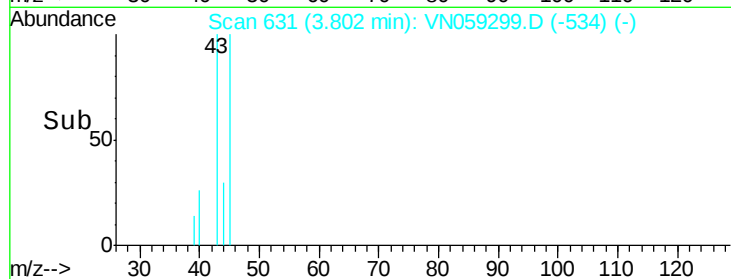
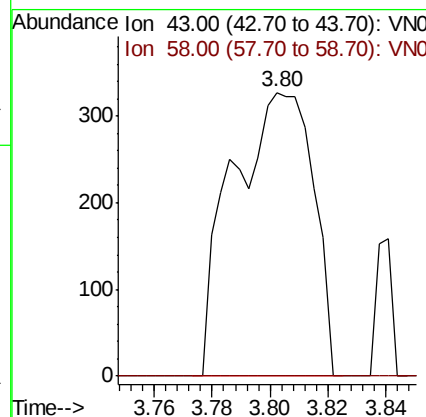
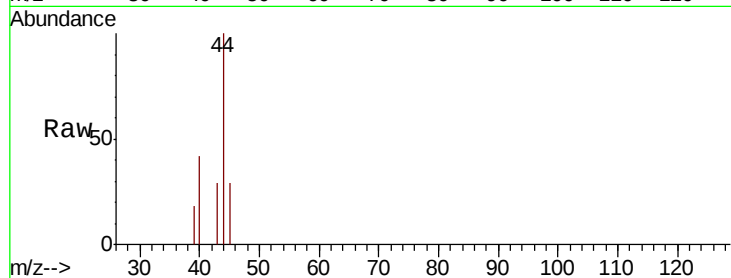




#16
Acetone
Concen: 0.226 ug/l
RT: 3.80 min Scan# 631
Delta R.T. 0.01 min
Lab File: VN059299.D
Acq: 19 Nov 2019 11:46

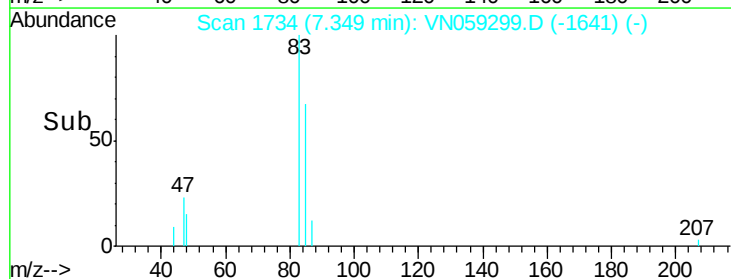
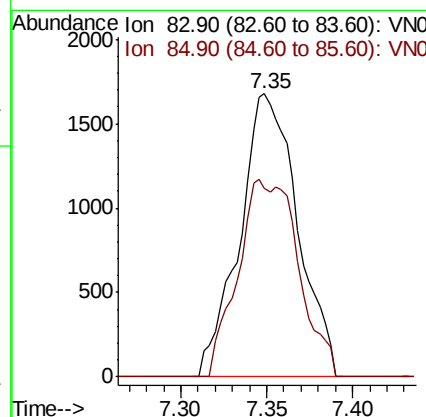
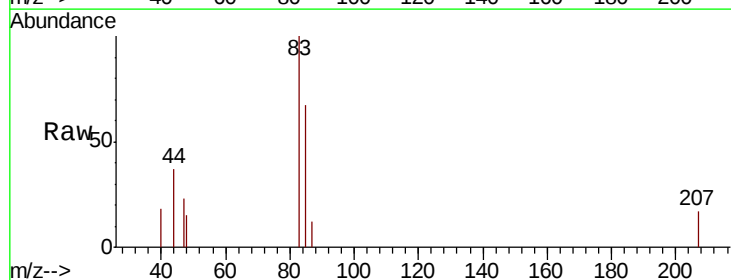
Instrument :
MSVOA_N
ClientSampled :

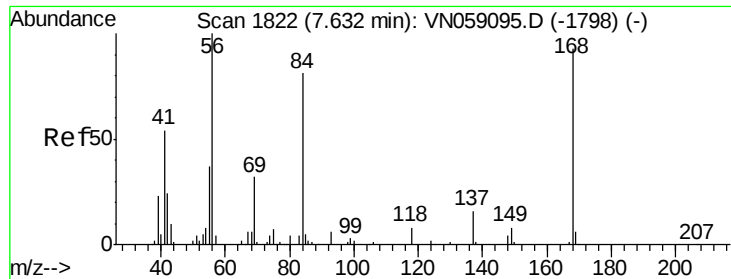
Tot Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#



#30
Chloroform
Concen: 0.462 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059299.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 83 Resp: 3928
Ion Ratio Lower Upper
83 100
85 66.8 51.8 77.8

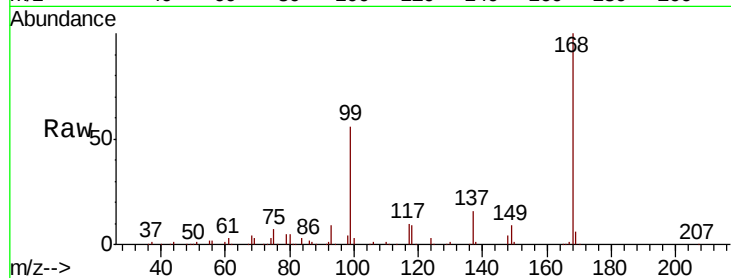




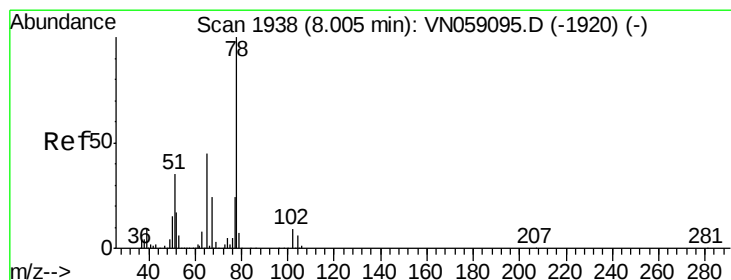
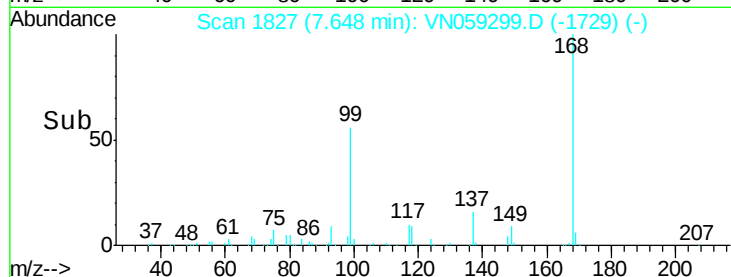
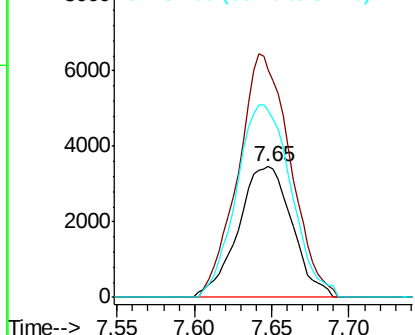
#31
Cyclohexane
Concen: 0.997 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.02 min
Lab File: VN059299.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 8368
Ion Ratio Lower Upper
56 100
69 175.0 25.8 38.8#
84 142.8 65.0 97.4#

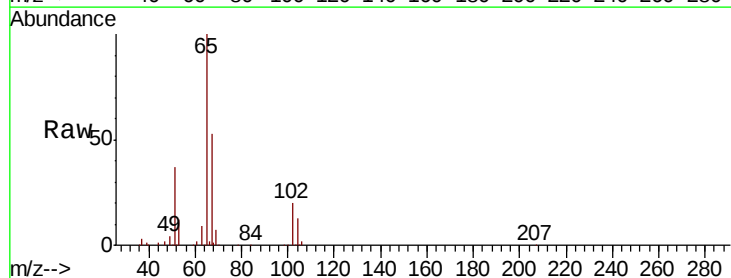


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

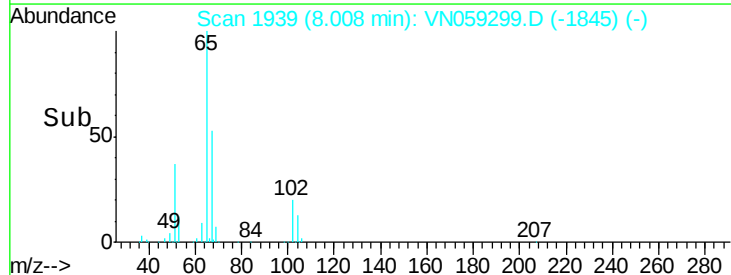
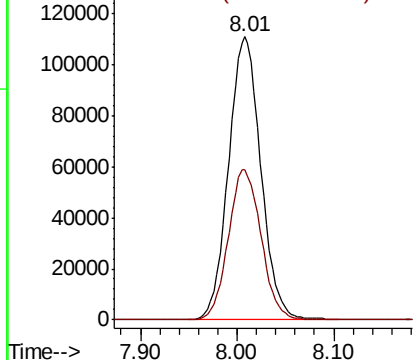


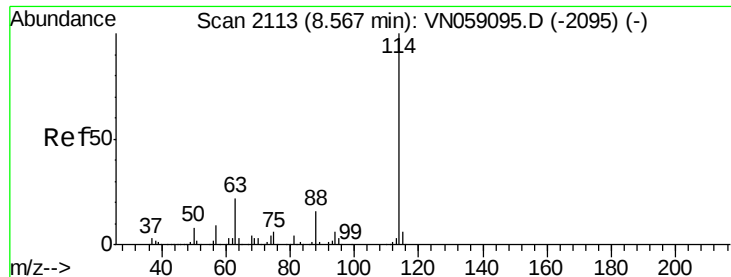
#33
1,2-Dichloroethane-d4
Concen: 47.758 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. 0.00 min
Lab File: VN059299.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 65 Resp: 257363
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.4



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

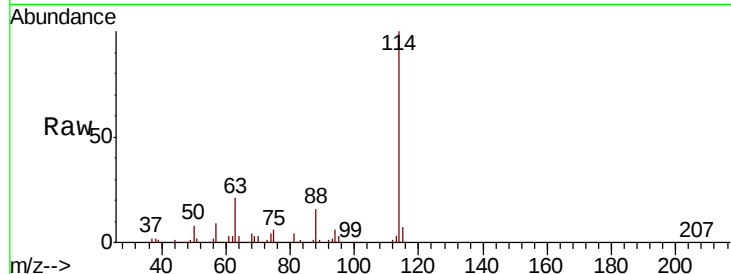




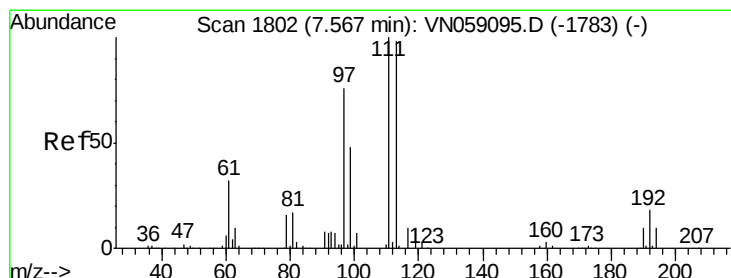
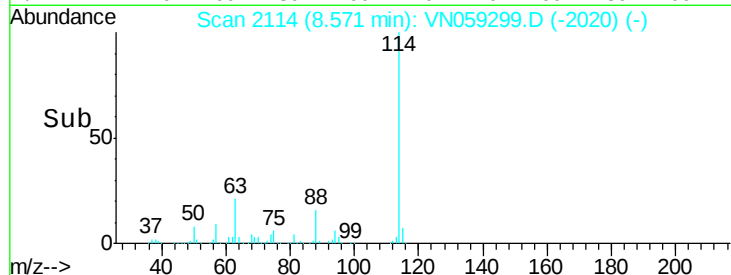
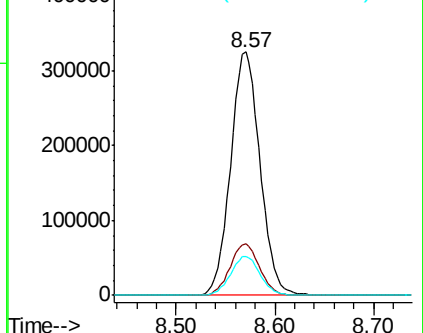
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059299.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.4
88	15.9	0.0	32.2

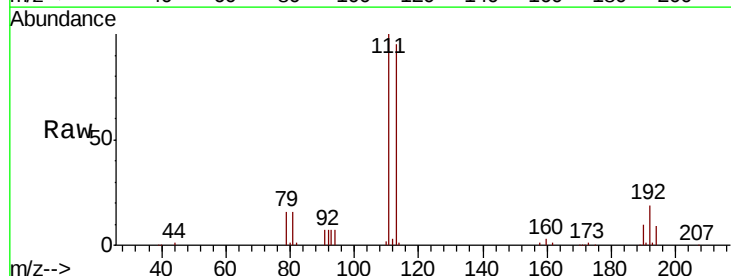


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

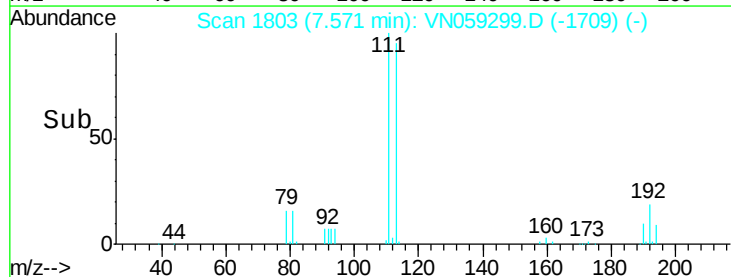
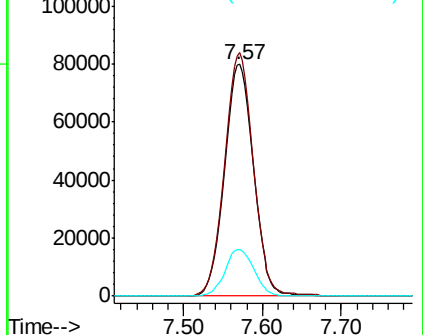


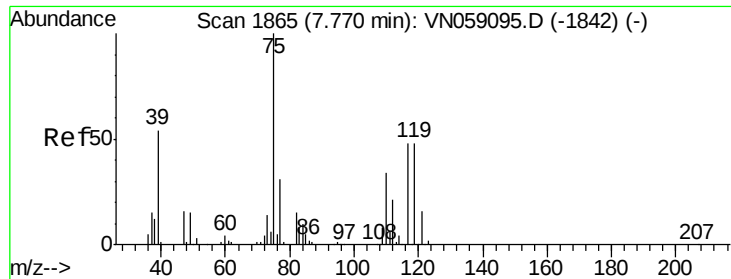
#35
 Dibromofluoromethane
 Concen: 50.479 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059299.D
 Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.8	124.2
192	20.2	16.1	24.1



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

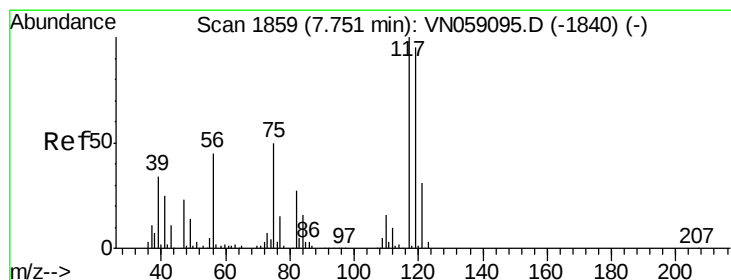
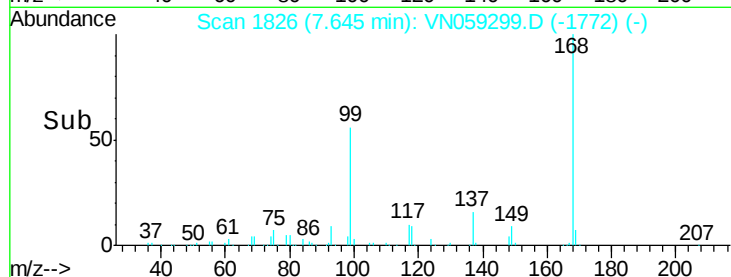
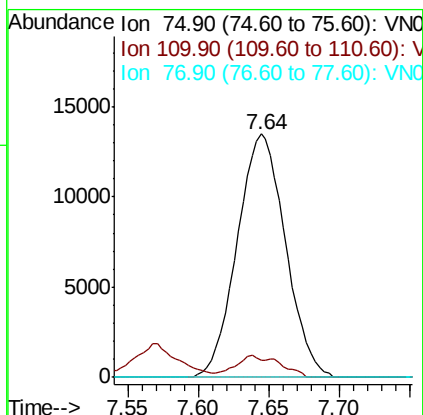
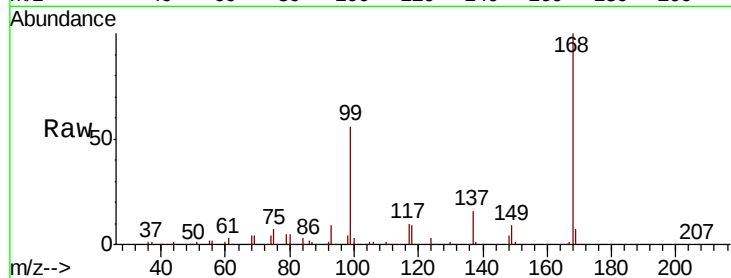




#36
 1,1-Dichloropropene
 Concen: 5.086 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059299.D
 Acq: 19 Nov 2019 11:46

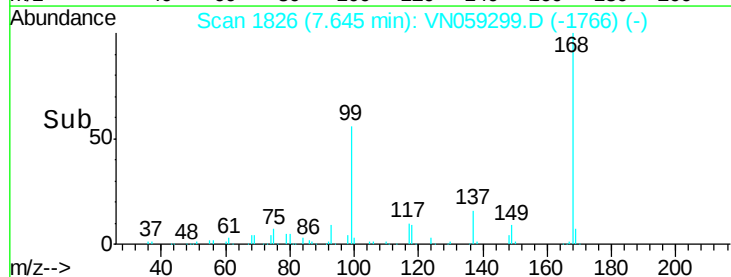
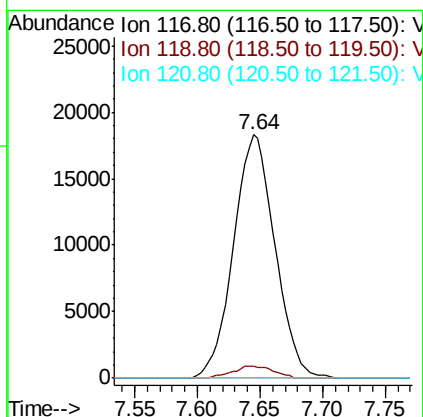
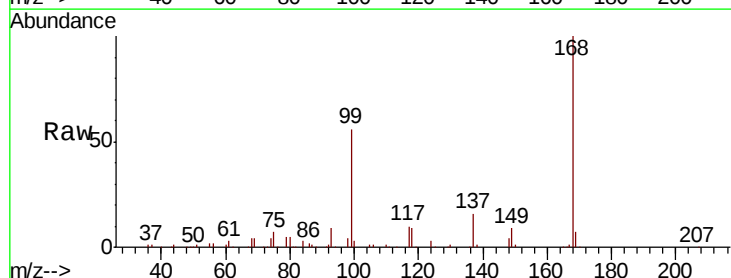
Instrument :
 MSVOA_N
 ClientSampled :

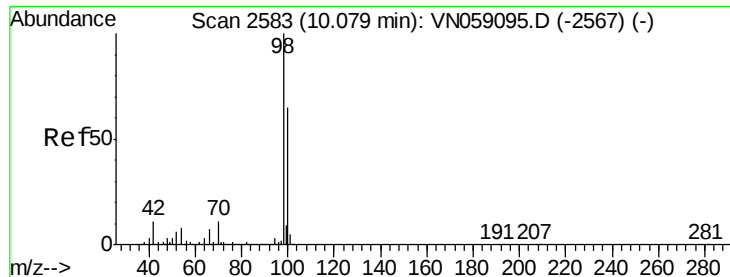
Tot Ion	75	Resp	32176
Ion Ratio	Lower	Upper	
75	100		
110	3.7	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.679 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059299.D
 Acq: 19 Nov 2019 11:46

Tgt Ion	117	Resp	42058
Ion Ratio	Lower	Upper	
117	100		
119	4.7	75.6	113.4#
121	0.0	24.6	36.8#





#50

Toluene-d8

Concen: 51.638 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059299.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_N

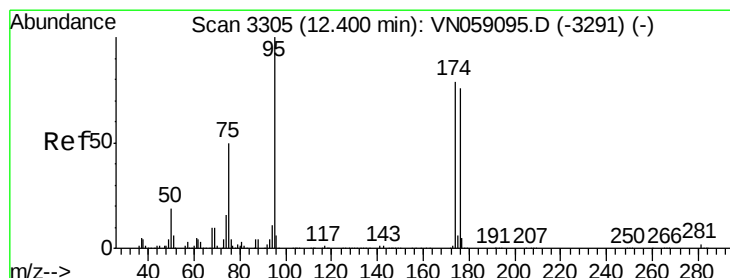
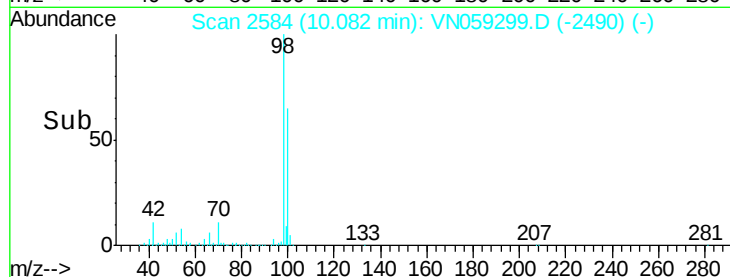
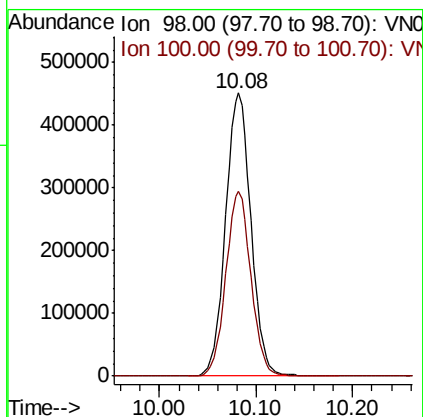
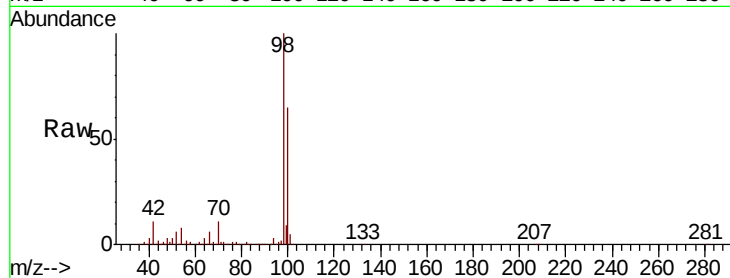
ClientSampleId :

Tot Ion: 98 Resp: 821994

Ion Ratio Lower Upper

98 100

100 64.4 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.132 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059299.D

Acq: 19 Nov 2019 11:46

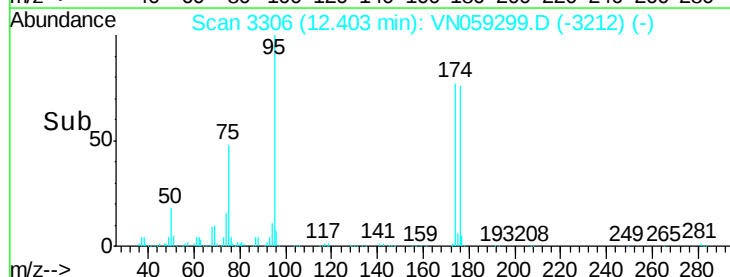
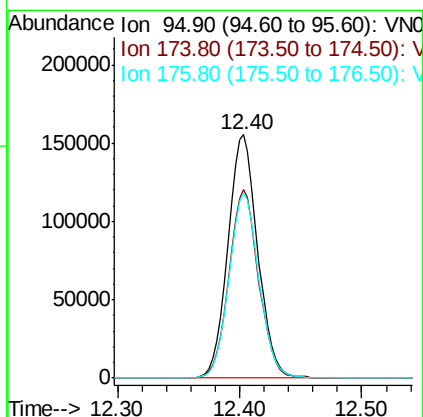
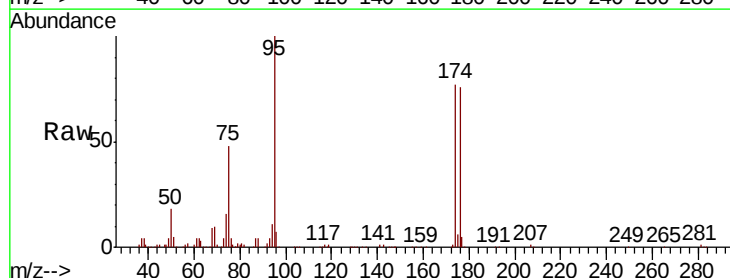
Tgt Ion: 95 Resp: 264777

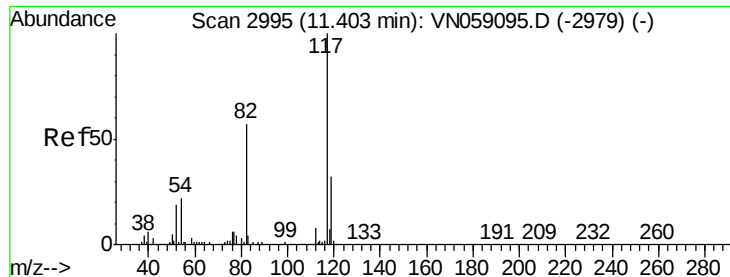
Ion Ratio Lower Upper

95 100

174 77.1 0.0 158.2

176 76.5 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059299.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

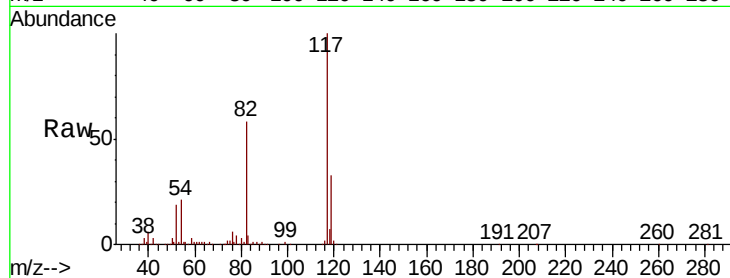
Tot Ion:117 Resp: 586179

Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.8

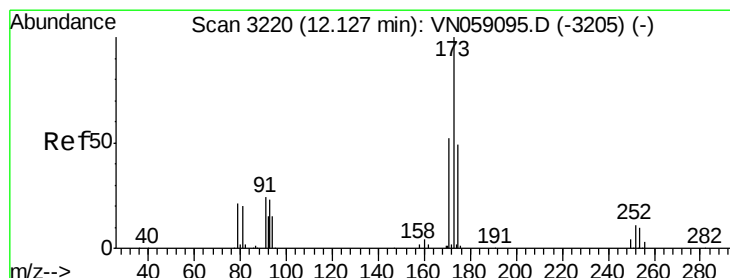
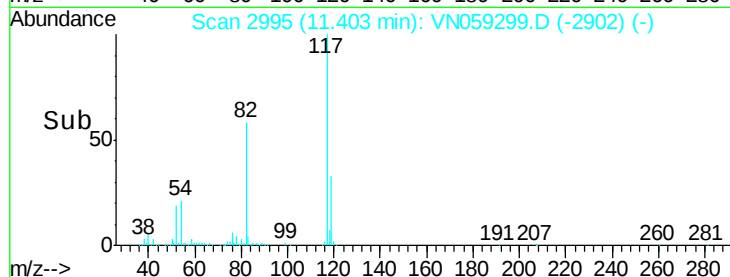
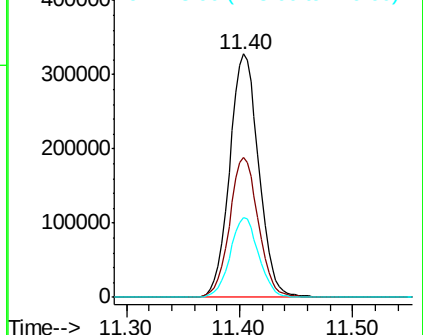
119 32.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.381 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN059299.D

Acq: 19 Nov 2019 11:46

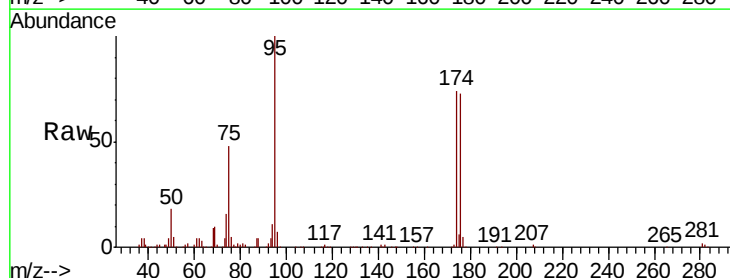
Tgt Ion:173 Resp: 1270

Ion Ratio Lower Upper

173 100

175 1003.2 24.2 72.6#

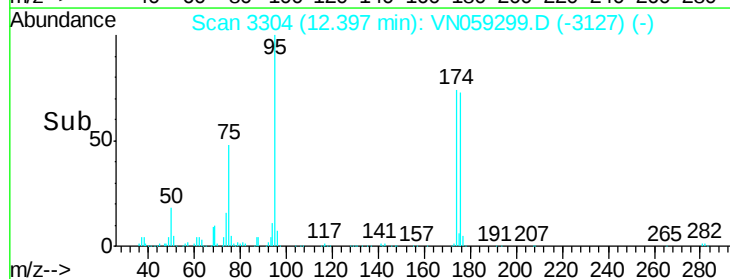
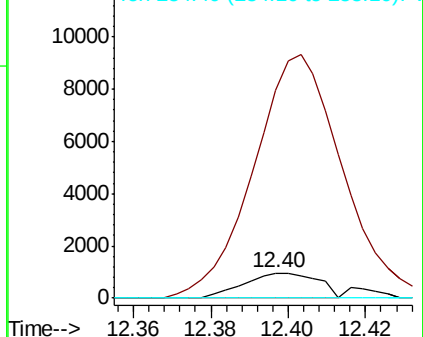
254 0.0 0.1 0.1#

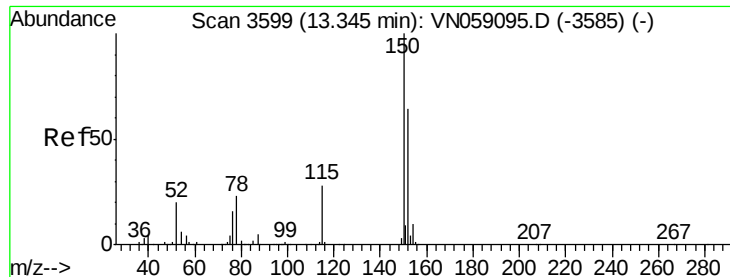


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



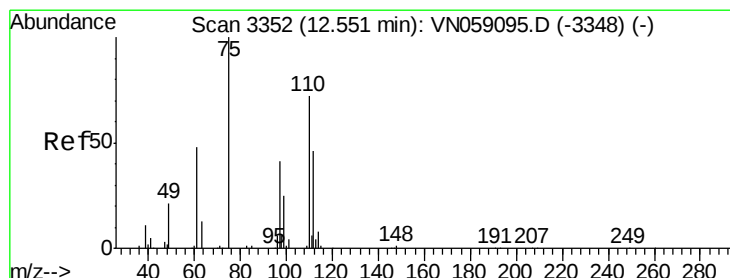
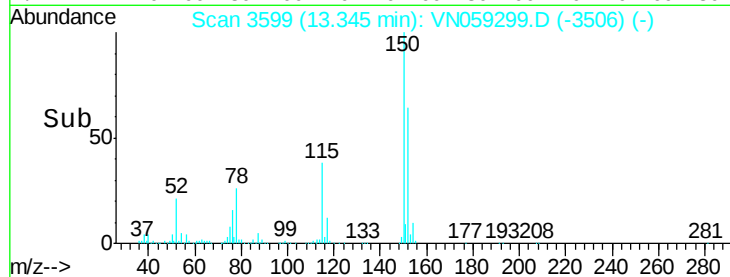
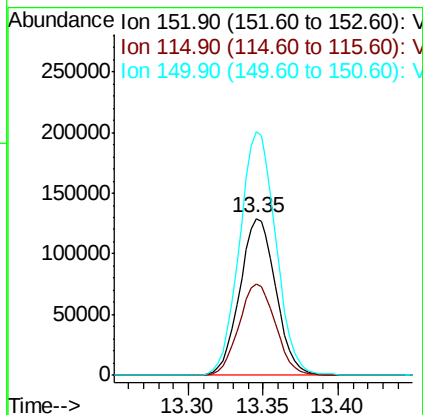
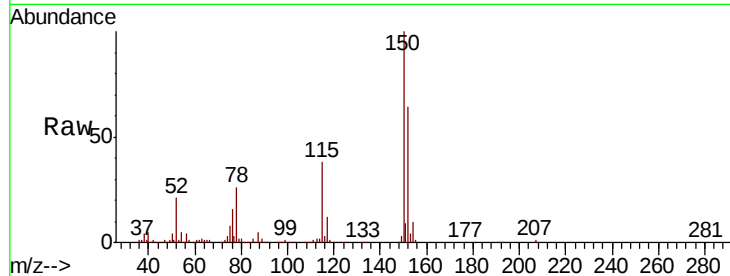


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059299.D
Acq: 19 Nov 2019 11:46

Instrument :
MSVOA_N
ClientSampleId :

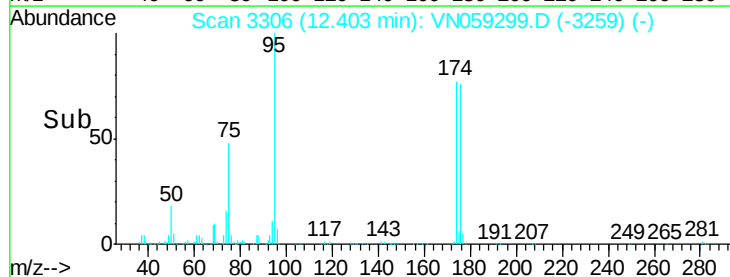
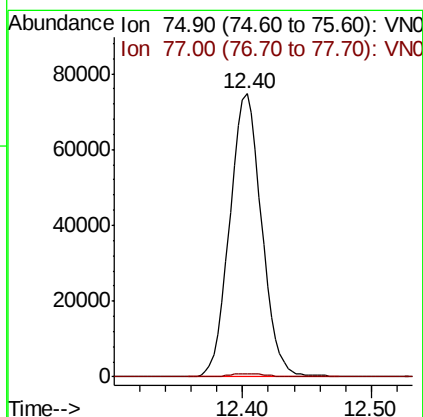
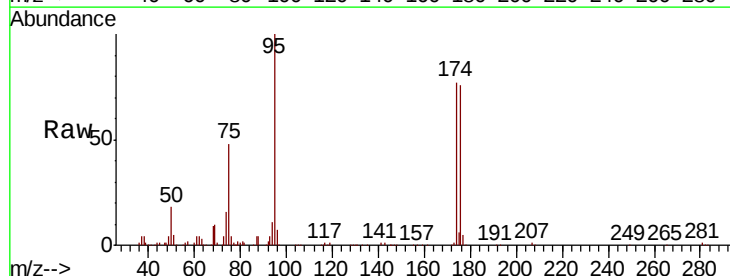
Tot Ion:152 Resp: 216968
Ion Ratio Lower Upper
152 100
115 59.2 29.4 88.2
150 156.9 0.0 345.8

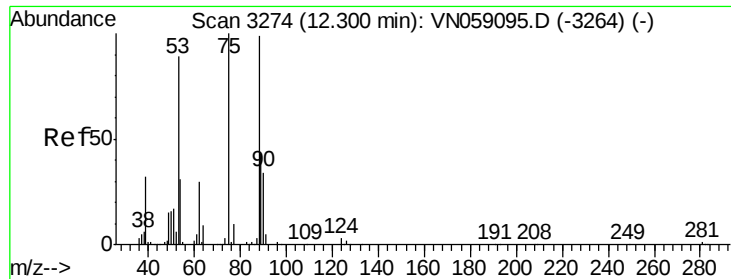


#76

1,2,3-Trichloropropane
Concen: 25.975 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN059299.D
Acq: 19 Nov 2019 11:46

Tgt Ion: 75 Resp: 128309
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 68.608 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059299.D

Acq: 19 Nov 2019 11:46

Instrument :

MSVOA_N

ClientSampled :

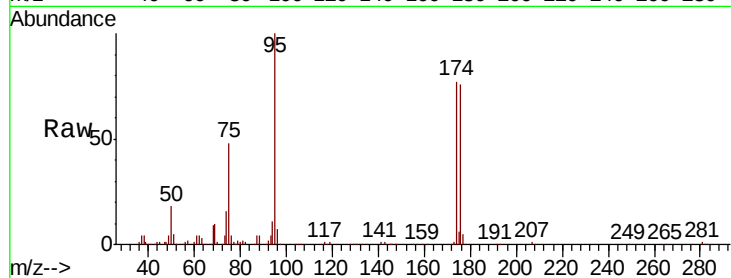
Tot Ion: 75 Resp: 128309

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

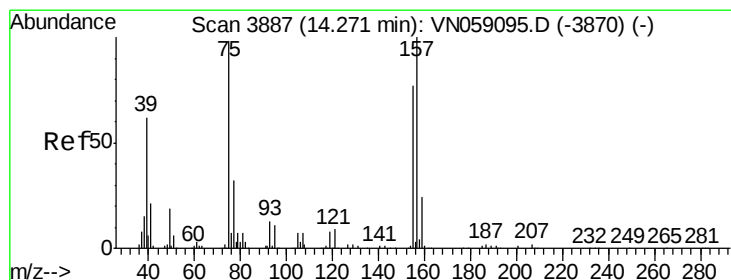
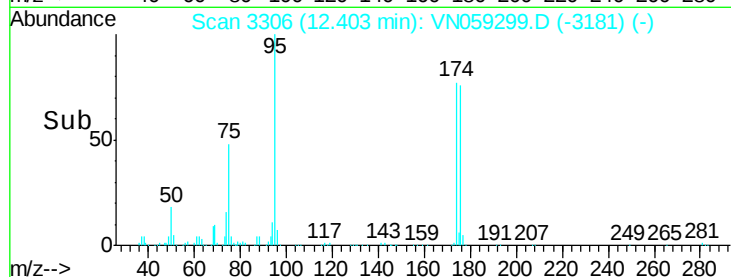
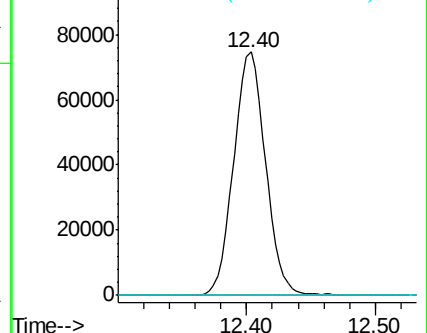
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.384 ug/l

RT: 14.28 min Scan# 3890

Delta R.T. 0.01 min

Lab File: VN059299.D

Acq: 19 Nov 2019 11:46

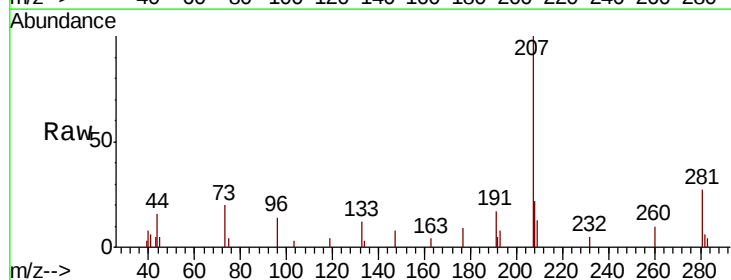
Tgt Ion: 75 Resp: 384

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

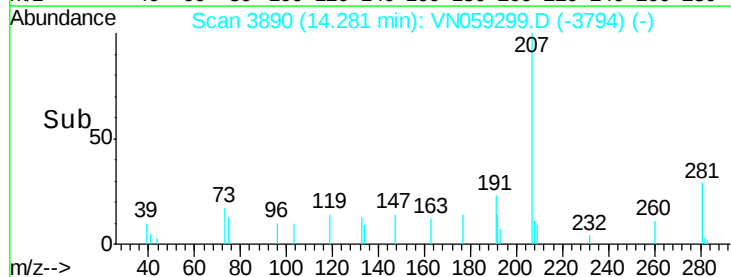
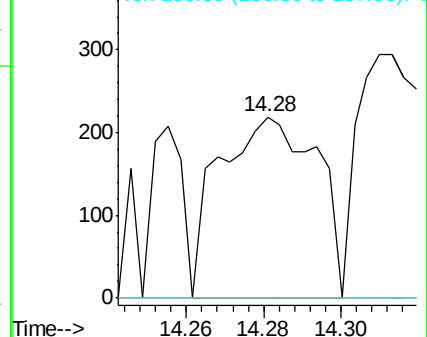
157 0.0 51.8 155.5#

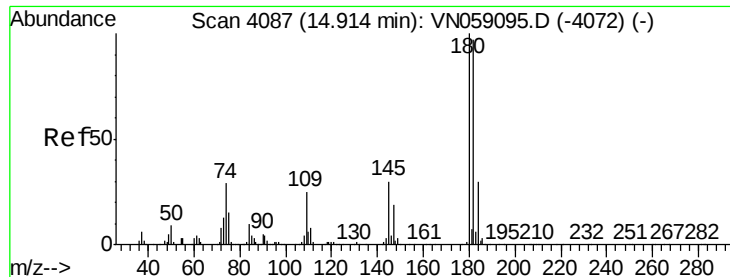


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

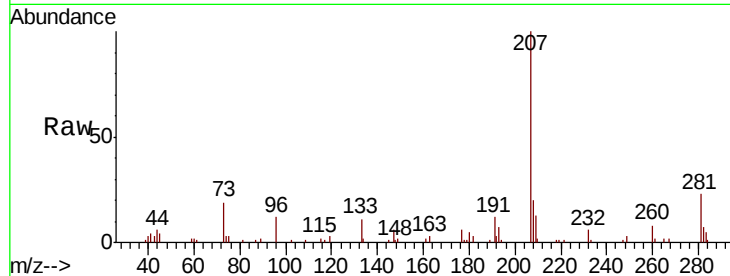




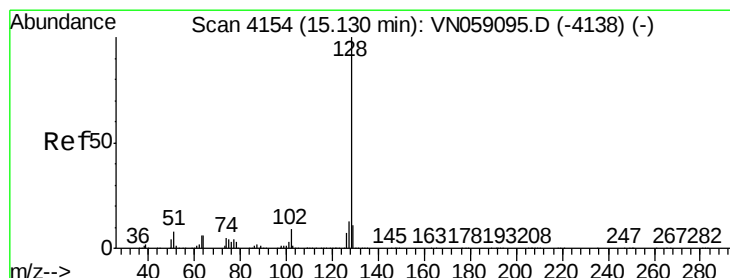
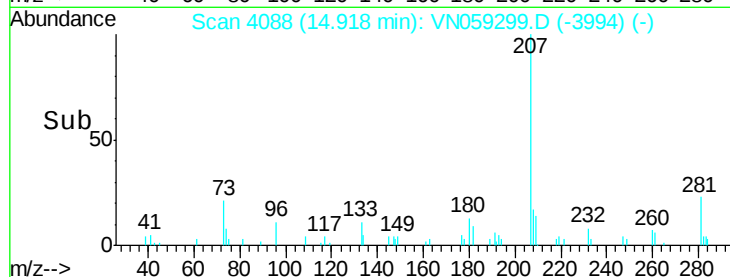
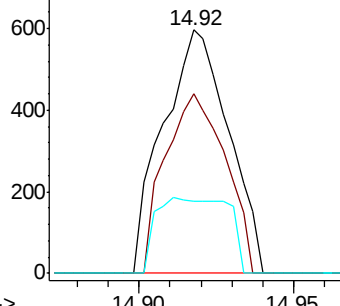
#93
 1,2,4-Trichlorobenzene
 Concen: 3.250 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059299.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	68.0	48.1	144.3
145	34.1	15.1	45.3

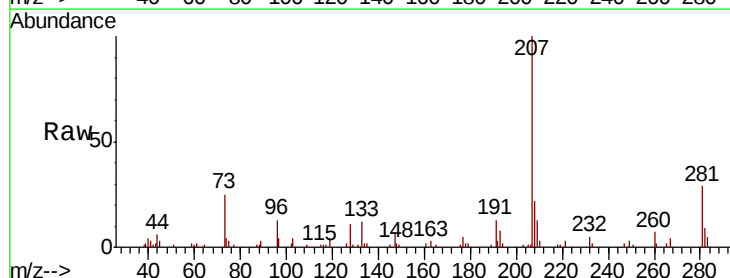


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

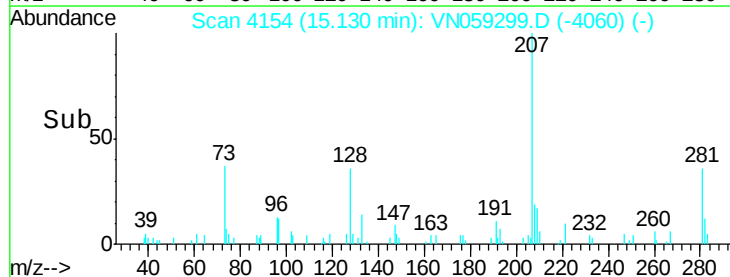
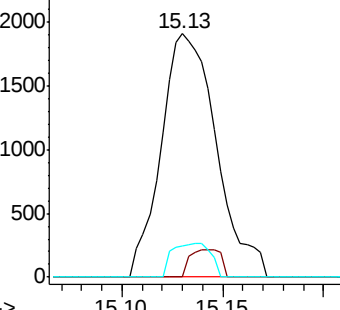


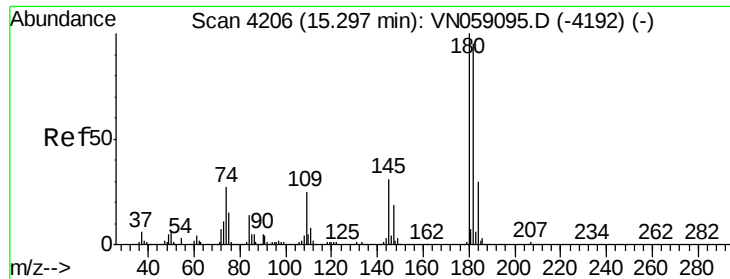
#95
 Naphthalene
 Concen: 3.350 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. 0.00 min
 Lab File: VN059299.D
 Acq: 19 Nov 2019 11:46

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.3	10.2	15.2#
129	9.7	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

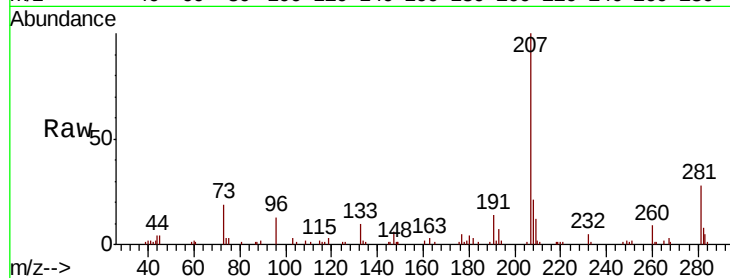




#96
 1,2,3-Trichlorobenzene
 Concen: 0.376 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.01 min
 Lab File: VN059299.D
 Acq: 19 Nov 2019 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	76.4	47.3	141.8
145	46.0	15.8	47.3



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

